

Microbiome Information for: Parkinson's Disease

For prescribing Medical professionals Review

The suggestions below are based on an Expert System (Artificial Intelligence) modelled after the MYCIN Expert System produced at Stanford University School of Medicine in 1972. The system uses over 1,800,000 facts with backward chaining to sources of information. The typical sources are studies published on the US National Library of Medicine.

Many recent studies has found that symptoms and symptom severity has strong associations to the microbiome for many conditions. Correcting the microbiome dysfunction is beleived to reduce the severity of symptoms. In some cases, this correction may cause symptoms to disappear.

These are *a priori suggestions* that are predicted to independently reduce microbiome dysfunction. Suggestions should *only be done after a review* by a medical professional factoring in patient's conditions, allergies and other issues.

This report may be freely shared by a patient to their medical professionals

Best practise for making microbiome adjustments is to obtain the individuals microbiome. The following are the best microbiome to use with this expert system model. The suggestions below are intended as temporary suggestions until a test result in received.

In the USA

Ombre (<https://www.ombrelab.com/>)

Thorne (<https://www.thorne.com/products/dp/gut-health-test>)

Worldwide: BiomeSight (<https://biomesight.com>) - Discount Code 'MICRO'

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Parkinson's Disease

Nota Bena: Many studies are done with a small sample size or mixtures of condition subsets which can greatly diminish the ability to detect bacteria shifts.

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Actinomycetes	class	Low	1760	Proteus	genus	High	210425
Bacteroidia	class	Low	200643	Pseudobutyrvibrio	genus	Low	46205
Akkermansiaceae	family	High	1647988	Ralstonia	genus	High	48736
Barnesiellaceae	family	High	2005519	Roseburia	genus	Low	841
Bifidobacteriaceae	family	High	31953	Ruminiclostridium	genus	Low	1508657
Carnobacteriaceae	family	High	186828	Ruminococcus	genus	Low	1263
Christensenellaceae	family	High	990719	Sellimonas	genus	High	1769710
Coriobacteriaceae	family	High	84107	Senegalimassilia	genus	High	1473205
Desulfovibrionaceae	family	High	194924	Serratia	genus	Low	613
Enterobacteriaceae	family	High	543	Shigella	genus	High	620
Enterococcaceae	family	High	81852	Sphingomonas	genus	High	13687
Erysipelotrichaceae	family	Low	128827	Sporobacter	genus	High	44748
Flavobacteriaceae	family	High	49546	Staphylococcus	genus	High	1279
Helicobacteraceae	family	Low	72293	Streptococcus	genus	High	1301
Lachnospiraceae	family	Low	186803	Turicibacter	genus	High	191303
Lactobacillaceae	family	High	33958	Veillonella	genus	Low	29465
Moraxellaceae	family	High	468	Victivallis	genus	High	172900
Nitrobacteraceae	family	High	41294	Coriobacteriales	order	Low	84999
Oscillospiraceae	family	High	216572	Marinilabiliales	order	High	1970189
Pasteurellaceae	family	Low	712	[Clostridium] leptum	species	Low	1535
Porphyromonadaceae	family	High	171551	[Ruminococcus] torques	species	High	33039
Prevotellaceae	family	Low	171552	Actinomyces oris	species	High	544580
Rikenellaceae	family	High	171550	Agathobacter rectalis	species	Low	39491
Ruminococcaceae	family	High	541000	Akkermansia muciniphila	species	High	239935
Staphylococcaceae	family	High	90964	Alistipes communis	species	High	2585118
Streptococcaceae	family	High	1300	Alistipes ihumii	species	High	1470347
Sutterellaceae	family	High	995019	Alistipes shahii	species	High	328814
Synergistaceae	family	High	649777	Anaerostipes hadrus	species	Low	649756
Tissierellaceae	family	High	1737406	Bacteroides fragilis	species	High	817
Veillonellaceae	family	High	31977	Bifidobacterium bifidum	species	Low	1681
Verrucomicrobiaceae	family	High	203557	Bifidobacterium dentium	species	High	1689
Acidaminococcus	genus	High	904	Bifidobacterium longum	species	High	216816
Acinetobacter	genus	High	469	Blautia coccoides	species	Low	1532
Aerococcus	genus	High	1375	Blautia glucerasea	species	Low	536633
Agathobacter	genus	Low	1766253	Blautia obeum	species	High	40520
Akkermansia	genus	High	239934	Blautia producta	species	High	33035
Alistipes	genus	High	239759	Blautia wexlerae	species	Low	418240
Anaerobutyricum	genus	Low	2569097	Bordetella pertussis	species	High	520
Anaerostipes	genus	Low	207244	Christensenella minuta	species	High	626937
Anaerotruncus	genus	High	244127	Clostridioides difficile	species	High	1496
Aquabacterium	genus	High	92793	Clostridium sporogenes	species	High	1509

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Aspergillus	genus	High	5052	Collinsella aerofaciens	species	High	74426
Bifidobacterium	genus	High	1678	Coprococcus eutactus	species	Low	33043
Bilophila	genus	High	35832	Dorea longicatena	species	High	88431
Blautia	genus	Low	572511	Enterobacter cloacae	species	High	550
Butyricimonas	genus	High	574697	Enterocloster asparagiformis	species	High	333367
Butyrivibrio	genus	High	830	Escherichia coli	species	High	562
Candida	genus	High	5475	Eubacterium xylanophilum	species	High	39497
Catabacter	genus	High	270497	Faecalibacterium prausnitzii	species	Low	853
Catenisphaera	genus	High	1774107	Gemmiger formicilis	species	High	745368
Christensenella	genus	High	990721	Gordonibacter pamelaee	species	High	471189
Cloacibacillus	genus	High	508459	Helicobacter pylori	species	High	210
Clostridium	genus	High	1485	Holdemanella biformis	species	High	1735
Coprococcus	genus	Low	33042	Holdemania filiformis	species	High	61171
Desulfovibrio	genus	High	872	Intestinimonas butyriciproducens	species	High	1297617
Dorea	genus	Low	189330	Intestinimonas sp.	species	High	1965293
Eggerthella	genus	High	84111	Klebsiella pneumoniae	species	High	573
Enterococcus	genus	High	1350	Klebsiella quasipneumoniae	species	High	1463165
Erysipelatoclostridium	genus	Low	1505663	Klebsiella variicola	species	High	244366
Escherichia	genus	High	561	Lacrimispora saccharolytica	species	Low	84030
Eubacterium	genus	Low	1730	Lactococcus garvieae	species	High	1363
Faecalibacterium	genus	Low	216851	Lancefieldella parvula	species	Low	1382
Flavonifractor	genus	High	946234	Ligilactobacillus salivarius	species	High	1624
Fusicatenibacter	genus	Low	1407607	Limosilactobacillus reuteri	species	Low	1598
Fusobacterium	genus	Low	848	Malassezia restricta	species	Low	76775
Granulicatella	genus	High	117563	Mediterraneibacter gnavus	species	Low	33038
Holdemania	genus	High	61170	Mesorhizobium loti	species	High	381
Hungatella	genus	High	1649459	Morganella morganii	species	Low	582
Intestinibacter	genus	High	1505657	Papillibacter cinnamivorans	species	High	100176
Intestinimonas	genus	High	1392389	Paraprevotella clara	species	High	454154
Klebsiella	genus	High	570	Porphyromonas asaccharolytica	species	High	28123
Lachnospira	genus	Low	28050	Porphyromonas gingivalis	species	High	837
Lactobacillus	genus	High	1578	Proteus mirabilis	species	High	584
Lactococcus	genus	Low	1357	Roseburia faecis	species	High	301302
Megamonas	genus	High	158846	Roseburia intestinalis	species	Low	166486
Megasphaera	genus	High	906	Ruminococcus callidus	species	Low	40519
Methanobrevibacter	genus	High	2172	Ruminococcus gauvreauii	species	Low	438033
Odoribacter	genus	High	283168	Saccharomyces cerevisiae	species	High	4932
Oscillospira	genus	High	119852	Salmonella enterica	species	High	28901
Parabacteroides	genus	High	375288	Segatella copri	species	Low	165179
Paraprevotella	genus	Low	577309	Sphingobacterium spiritivorum	species	High	258
Peptoclostridium	genus	High	1481960	Streptococcus anginosus	species	High	1328
Phascolarctobacterium	genus	High	33024	Streptococcus equinus	species	High	1335
Porphyromonas	genus	High	836	Streptococcus lutetiensis	species	High	150055
Prevotella	genus	Low	838	Streptococcus mutans	species	High	1309
Proteus	genus	High	583	Streptococcus salivarius	species	High	1304
				Thomasclavelia ramosa	species	Low	1547

Substance to Consider Adding or Taking

These are the most significant substances that are likely to improve the microbiome dysfunction. Dosages are based on the dosages used in clinical studies. For more information see: <https://microbiomeprescription.com/library/dosages>. These are provided as examples only

Colors indicates the type of substance: i.e. probiotics and prebiotics, herbs and spices, etc. There is no further meaning to them.

Antibiotics annotated with [CFS] have been used with various degree of success with Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, Chronic Lyme, Chronic Q-Fever and Long COVID conditions. Rotation of antibiotics with 3 weeks off between courses is recommended.

(2->1)-beta-D-fructofuranan {Inulin}	32 gram/day	green tea	
Abstention from eating {Fasting}		Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	2
Bifidobacterium animalis subsp. lactis {B. Lactis}	1 BCFU/day	gram/day	
Dendrobium officinale Kimura {Tiepishihu}		ketogenic diet	
Epicatechin {Green tea polyphenol}		Lactobacillus plantarum {L. plantarum}	60 BCFU/day
Fiber, total dietary		Lycium barbarum x Lycium chinense, {Goji Fruit, Juice}	
fructo-oligosaccharides	15 gram/day	metformin (prescription)	
fruit		oligosaccharides {oligosaccharides}	
fruit/legume fibre		polyphenols	3 gram/day
Grape Polyphenols {Grape Flavonoids}		resveratrol-pterostilbene {grapes, blueberries}	2 gram/day
grapes		resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}	
		Slow digestible carbohydrates. {Low Glycemic}	
		synthetic disaccharide derivative of lactose {Lactulose}	

Retail Probiotics

Over 260 retail probiotics were evaluated with the following deemed beneficial with no known adverse risks.

jarow formulas / bifidus balance® + fos
 ferring / vsl#3
 jarow formula / ideal bowel support® lp299v®
 HMF Metabolic
 blackmores (au) / probiotics+ immune defence
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)
 optibac / bifidobacteria & fibre
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 biospec / probiotic-5
 HMF Forte
 spain (es) / profaes4 edad escolar
 blackmore (au) / probiotics+ bowel support
 NaturalPharma / Profit Probiotics
 UltraFlora® Intensive Care
 nature's way (au) / restore probiotic 30 billion 30s
 HMF IBS Relief
 Maple Life Science™ / Bifidobacterium Animalis
 Floradapt Cardio
 blackmore (au) / probiotics+ daily health
 Purica Probiotic Cardio
 Activia®
 UltraFlora® Control
 Maple Life Science™ / Lactobacillus plantarum
 FloraVantage® Control
 HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL
 CustomProbiotics.com / L. Plantarum Probiotic Powder
 ISCON Elegance/ Ochek Capsule 10
 UltraFlora® Immune Booster
 Nutrition Essentials / Probiotic (900 BCFU)
 up4 / women's
 Bromatech (IT) / Adomelle
 Optibac Probiotics / Bifidobacterium lactis HN019
 spain (es) / profaes4 viajeros
 goodbelly drink
 Symprove™
 optibac / for every day max
 custom probiotics / six strain probiotic powder
 HLH BIOPHARMA(DE) / LACTOBACT ® FORTE
 FloraVantage® Balance
 ImmuneBiotech Medical Sweden AB / GutMagnific®
 Resbiotic / resB® Lung Support
 spain (es) / ns defenbiotic kids
 naturopathica (au) / gastrohealth fibrepro
 blackmore (au) / probiotics+ eczema relief
 SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturerized)
 HMF Intensive
 Bulk Probiotics / L. Plantarum Probiotic Powder
 Immune Defense Daily Chewable Probiotic
 blackmores (au) / probiotics + adults daily (90 capsules)
 nature's way (au) / restore probiotic daily health 90s
 Bromatech(IT) / FEMELLE
 SuperSmart / Candalb
 custom probiotics / four strain lactobacilli
 zint nutrition / probiotic collagen +

Metabolics / Lactobacillus Plantarum Powder
Nature's Lab Cardio
genestra brands® hm
quality health(au)/ fridge free probiotic 25b
optibac / for your cholesterol

Note: Some of these are only available regionally – search the web for sources.

Substance to Consider Reducing or Eliminating

These are the most significant substances have been identified as probably contributing to the microbiome dysfunction.

In some cases blood work may show low levels of some vitamins, etc. listed below. This may be due to *greedy* bacteria reported at a high level above. Viewing bacteria data on the Kyoto Encyclopedia of Genes and Genomes (<https://www.kegg.jp/>) may provide better insight on the course of action to take.

2-aminoacetic acid {glycine}	low protein diet
allium sativum {garlic}	Moringa Oleifera
amoxicillin [CFS]	pediococcus acidilactic {RBB9 PEDIOCOCCUS ACIDILACTI}
bifidobacterium longum {B.Longum }	Pentahydroxypentane {Xylitol}
Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}	Propolis {Bee glue}
Cinnamomum zeylanicum {Ceylon Cinnamon}	Rheum × hybridum {Rhubarb}
Disodium fumarate {Fumaric acid disodium salt}	Saccharomyces cerevisiae var boulardii {S. boulardii}
Ferrum {Iron Supplements}	Salvia hispanica {Chia Seeds}
Hericium erinaceus {Lion's Mane Mushroom }	Sodium alginate
high-fat diets	Sus domesticus {Pork}
Humulus lupulus compound {Xanthohumol}	Theobroma cacao {Cacao}
Lactocaseibacillus casei {L. casei}	Thymus vulgaris {thyme}
lactobacillus rhamnosus gg	Traditional Mediterranean diet {Mediterranean diet}
long-term, moderate-intensity exercise {exercise}	walnuts
	wheat

Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

[Alterations in gut microbiota and plasma metabolites: a multi-omics study of mild cognitive impairment in Parkinson's disease.](#)

Frontiers in neuroscience , Volume: 19 2025

Authors Lin Z,Li Y,Liu Y,Yang B,Yin P,Guan C,Fang Y,Yang L,Zan K,Cui G,Yu L,Wang X,Xu C

[The role of the gut microbiome in the progression of Parkinson's disease: a systematic review of patient cohorts.](#)

Journal of neurology , Volume: 273 Issue: 1 2025 Dec 6

Authors Peters M,Hegelmaier T,Wegner F,Höllerhage M,Ye L,Niesmann C,Schneidereit IV,Haghikia A,Klietz M

[Gut microbiome differences in Parkinson's disease patients in Central Kerala population.](#)

Neurodegenerative disease management , 2025 Oct 21

Authors Jacob AA,Rout S,Dash R,Venugopal G,Punde AR,John JK,Varghese SS,Cherupanakkal C,Mattethra GC,Ramadass B

[Human gut microbiome gene co-expression network reveals a loss in taxonomic and functional diversity in Parkinson's disease.](#)

NPJ biofilms and microbiomes , Volume: 11 Issue: 1 2025 Jul 24

Authors Vilette R,Novikova PV,Laczny CC,Mollenhauer B,May P,Wilmes P

[Associations Between Gut Microbiota Composition and Impulse Control Disorders in Parkinson's Disease.](#)

International journal of molecular sciences , Volume: 26 Issue: 13 2025 Jun 26

Authors Lin SH,Lin RJ,Chu CL,Chen YL,Fu SC

[Proinflammatory and GABA eating bacteria in Parkinson's disease gut microbiome from a meta-analysis prospective.](#)

NPJ Parkinson's disease , Volume: 11 Issue: 1 2025 Jun 3

Authors Marzouk NH,Rashwan HH,El-Hadidi M,Ramadan R,Mysara M

[Specific Bacterial Taxa and Their Metabolite, DHPS, May Be Linked to Gut Dyshomeostasis in Patients with Alzheimer's Disease, Parkinson's Disease, and Amyotrophic Lateral Sclerosis.](#)

Nutrients , Volume: 17 Issue: 9 2025 May 6

Authors Christopher CJ,Morgan KH,Tolleson CM,Trudell R,Fernandez-Romero R,Rice L,Abiodun BA,Vickery Z,Jones KA,Woodall BM,Nagy C,Mieczkowski PA,Bowen G,Campagna SR,Ellis JC

[Association between the relative abundance of butyrate-producing and mucin-degrading taxa and Parkinson's disease.](#)

Neuroscience , Volume: 576 2025 May 1

Authors Rust C,van den Heuvel LL,Bardien S,Carr J,Pretorius E,Seedat S,Hemmings SMJ

[Distinct gut microbiome characteristics and dynamics in patients with Parkinson's disease based on the presence of premotor rapid-eye movement sleep behavior disorders.](#)

Microbiome , Volume: 13 Issue: 1 2025 Apr 30

Authors Lee JY,Jo S,Lee J,Choi M,Kim K,Lee S,Kim HS,Bae JW,Chung SJ

[Comparative analysis of Parkinson's and inflammatory bowel disease gut microbiomes reveals shared butyrate-producing bacteria depletion.](#)

NPJ Parkinson's disease , Volume: 11 Issue: 1 2025 Mar 19

Authors Krueger ME,Boles JS,Simon ZD,Alvarez SD,McFarland NR,Okun MS,Zimmermann EM,Forsmark CE,Tansey MG

[The effect of supplementation with prebiotic fiber on the gut microbiota of a group of older people with Parkinson's disease from the city of Santiago de Chile. A pilot study.](#)

Nutricion hospitalaria , 2025 Feb 25

Authors García Milla P,Nieto Martínez G,Maulen M,Tapia C,Díaz W

[Plasma Metabolites as Mediators Between Gut Microbiota and Parkinson's Disease: Insights from Mendelian Randomization.](#)

Molecular neurobiology , 2025 Feb 17

Authors Chen J,Zhu L,Wang F,Zhu Y,Chen J,Liang C,Liu B,Pang A,Yang X

[Understanding Parkinson's: The microbiome and machine learning approach.](#)

Maturitas , Volume: 193 2025 Feb

Authors Rojas-Velazquez D,Kidwai S,Liu TC,El-Yacoubi MA,Garssen J,Tonda A,Lopez-Rincon A

[Retrospective analysis of diet and gut microbiota diversity and clinical pharmacology outcomes in patients with Parkinsonism syndrome.](#)

Heliyon , Volume: 10 Issue: 21 2024 Nov 15

Authors Hu Y,Wang H,Zhong Y,Sun Y

[Microbial biomarker discovery in Parkinson's disease through a network-based approach.](#)

NPJ Parkinson's disease , Volume: 10 Issue: 1 2024 Oct 26

Authors Zhao Z,Chen J,Zhao D,Chen B,Wang Q,Li Y,Chen J,Bai C,Guo X,Hu N,Zhang B,Zhao R,Yuan J

Oral and gut microbiome profiles in people with early idiopathic Parkinson's disease.**Communications medicine** , Volume: 4 Issue: 1 2024 Oct 23

Authors Stagaman K,Kmiecik MJ,Wetzel M,Aslibekyan S,Sonmez TF,Fontanillas P,23andMe Research Team,Tung J,Holmes MV,Walk ST,Houser MC,Norcliffe-Kaufmann L

Difference in gut microbial dysbiotic patterns between body-first and brain-first Parkinson's disease.**Neurobiology of disease** , Volume: 201 2024 Oct 15

Authors Park DG,Kang W,Shin U,Chalita M,Oh HS,Hyun DW,Kim H,Chun J,An YS,Lee EJ,Yoon JH

Metagenomic Analysis Reveals Large-Scale Disruptions of the Gut Microbiome in Parkinson's Disease.**Movement disorders : official journal of the Movement Disorder Society** , Volume: 39 Issue: 10 2024 Oct

Authors Metcalfe-Roach A,Cirstea MS,Yu AC,Ramay HR,Coker O,Boroomand S,Kharazyan F,Martino D,Sycuro LK,Appel-Cresswell S,Finlay BB

Oral aged garlic (Allium sativum) alleviates ulcerative colitis in mice by improving gut homeostasis.**Food & function** , Volume: 15 Issue: 17 2024 Aug 27

Authors Han D,Guan X,Zhu F,Yang Q,Su D

Gut microbiota from patients with Parkinson's disease causes motor deficits in honeybees.**Frontiers in microbiology** , Volume: 15 2024

Authors Zeng J,Li Y,Yan J,Chang R,Xu M,Zhou G,Meng J,Liu D,Mao Z,Yang Y

Sika Deer Velvet Antler Peptide Exerts Neuroprotective Effect in a Parkinson's Disease Model via Regulating Oxidative Damage and Gut Microbiota.**Pharmaceuticals (Basel, Switzerland)** , Volume: 17 Issue: 7 2024 Jul 22

Authors Liu Y,Li H,Yang M,Guo J,Sun Z,Wang S,Li R,Pang X,Kim Y,Wang X,Peng Y

Meta-analysis of shotgun sequencing of gut microbiota in Parkinson's disease.**NPJ Parkinson's disease** , Volume: 10 Issue: 1 2024 May 21

Authors Nishiwaki H,Ueyama J,Ito M,Hamaguchi T,Takimoto K,Maeda T,Kashihara K,Tsuboi Y,Mori H,Kurokawa K,Katsuno M,Hirayama M,Ohno K

Association between increased and decreased gut microbiota abundance and Parkinson's disease: A systematic review and subgroup meta-analysis.**Experimental gerontology** , Volume: 191 2024 Jun 15

Authors Bai F,You L,Lei H,Li X

Diet and the gut microbiome in patients with Parkinson's disease.**NPJ Parkinson's disease** , Volume: 10 Issue: 1 2024 Apr 22

Authors Kwon D,Zhang K,Paul KC,Folle AD,Del Rosario I,Jacobs JP,Keener AM,Bronstein JM,Ritz B

Yeast Prion Protein Sup35 Initiates a-Synuclein Pathology in Parkinson's Disease.**Movement disorders : official journal of the Movement Disorder Society** , Volume: 39 Issue: 5 2024 May

Authors Wang Y,Li H,Song N,Xie J

The role of HLA-DR on plasmacytoid dendritic cells in mediating the effects of Butyrivibrio gut microbiota on Parkinson's disease.**Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology** , Volume: 45 Issue: 8 2024 Aug

Authors Wang Z,Xia H,Feng T,Aibibuli A,Zhang M,Yang X

Changes in Bacterial Gut Composition in Parkinson's Disease and Their Metabolic Contribution to Disease Development: A Gut Community Reconstruction Approach.**Microorganisms** , Volume: 12 Issue: 2 2024 Feb 4

Authors Forero-Rodríguez J,Zimmermann J,Taubenheim J,Arias-Rodríguez N,Caicedo-Narvaez JD,Best L,Mendieta CV,López-Castiblanco J,Gómez-Muñoz LA,Gonzalez-Santos J,Arboleda H,Fernandez W,Kaletka C,Pinzón A

Dysbiosis of the Beneficial Gut Bacteria in Patients with Parkinson's Disease from India.**Annals of Indian Academy of Neurology** , Volume: 26 Issue: 6 2023 Nov-Dec

Authors Pavan S,Gorthi SP,Prabhu AN,Das B,Mutreja A,Vasudevan K,Shetty V,Ramamurthy T,Ballal M

Microbiota-microglia crosstalk between Blautia producta and neuroinflammation of Parkinson's disease: A bench-to-bedside translational approach.**Brain, behavior, and immunity** , Volume: 117 2024 Mar

Authors Liu J,Lv X,Ye T,Zhao M,Chen Z,Zhang Y,Yang W,Xie H,Zhan L,Chen L,Liu WC,Su KP,Sun J

Gut Microbiota Composition in Patients with Neurodegenerative Disorders (Parkinson's and Alzheimer's) and Healthy Controls: A Systematic Review.**Nutrients** , Volume: 15 Issue: 20 2023 Oct 13

Authors Heravi FS,Naseri K,Hu H

Gut microbiota-associated taurine metabolism dysregulation in a mouse model of Parkinson's disease.**mSphere** , Volume: 8 Issue: 6 2023 Dec 20

Authors Cui C,Song H,Han Y,Yu H,Li H,Yang Y,Zhang B

[Biomarkers of Parkinson's Disease: From Basic Research to Clinical Practice.](#)

Aging and disease , Volume: 15 Issue: 4 2024 Aug 1

Authors Ma ZL,Wang ZL,Zhang FY,Liu HX,Mao LH,Yuan L

[Study of the gut microbiome in Egyptian patients with Parkinson's Disease.](#)

BMC microbiology , Volume: 23 Issue: 1 2023 Jul 22

Authors Mehanna M,AbuRaya S,Ahmed SM,Ashmawy G,Ibrahim A,AbdelKhaliq E

[Anaerobes in specific infectious and noninfectious diseases: new developments.](#)

Anaerobe , Volume: 81 2023 Jun

Authors Boyanova L,Markovska R,Yordanov D,Gergova R,Hadzhiyski P

[Gut microbiota of Parkinson's disease in an appendectomy cohort: a preliminary study.](#)

Scientific reports , Volume: 13 Issue: 1 2023 Feb 7

Authors Nakahara K,Nakane S,Ishii K,Ikeda T,Ando Y

[Altered gut microbiota in patients with idiopathic Parkinson's disease: an age-sex matched case-control study.](#)

Acta neurologica Belgica , Volume: 123 Issue: 3 2023 Jun

Authors Babacan Yildiz G,Kayacan ZC,Karacan I,Sumbul B,Elbol B,Gelisin O,Akgul O

[Elevated serum anti-Saccharomyces cerevisiae antibody accompanied by gut mycobiota dysbiosis as a biomarker of diagnosis in patients with de novo Parkinson disease.](#)

European journal of neurology , Volume: 30 Issue: 11 2023 Nov

Authors Chen Y,Zhang LY,Fang Y,Li C,Xia DD,Zhang G,Wen Y,Zhang SZ,Hu L,Gu LY,Liu Y,Tian J,Yan YP,Yin XZ,Tao ZH,Zhang BR,Pu JL

[High levels of Bifidobacteriaceae are associated with the pathogenesis of Parkinson's disease.](#)

Frontiers in integrative neuroscience , Volume: 16 2022

Authors Zuo S,Wang H,Zhao Q,Tang J,Wang M,Zhang Y,Sang M,Tian J,Wang P

[Gut microbiota dysbiosis in Parkinson disease: A systematic review and pooled analysis.](#)

European journal of neurology , Volume: 30 Issue: 11 2023 Nov

Authors Kleine Bardenhorst S,Cereda E,Severgnini M,Barichella M,Pezzoli G,Keshavarzian A,Desideri A,Pietrucci D,Aho VTE,Scheperjans F,Hildebrand F,Weis S,Egert M,Karch A,Vital M,Rübsamen N

[Inflammatory microbes and genes as potential biomarkers of Parkinson`s disease.](#)

NPJ biofilms and microbiomes , Volume: 8 Issue: 1 2022 Dec 24

Authors Nie S,Wang J,Deng Y,Ye Z,Ge Y

[Parkinson's Disease and the Gut Microbiome in Rural California.](#)

Journal of Parkinson's disease , Volume: 12 Issue: 8 2022

Authors Zhang K,Paul KC,Jacobs JP,Chou HL,Duarte Folle A,Del Rosario I,Yu Y,Bronstein JM,Keener AM,Ritz B

[Metagenomics of Parkinson`s disease implicates the gut microbiome in multiple disease mechanisms.](#)

Nature communications , Volume: 13 Issue: 1 2022 Nov 15

Authors Wallen ZD,Demirkan A,Twa G,Cohen G,Dean MN,Standaert DG,Sampson TR,Payami H

[Fecal microbiome alterations in treatment-naïve de novo Parkinson's disease.](#)

NPJ Parkinson's disease , Volume: 8 Issue: 1 2022 Oct 10

Authors Boertien JM,Murtomäki K,Pereira PAB,van der Zee S,Mertsalmi TH,Levo R,Nojonen T,Mäkinen E,Jaakkola E,Laine P,Paulin L,Pekkonen E,Kaasinen V,Auvinen P,Scheperjans F,van Laar T,PPNN Study Group

[Early Dysbiosis and Dampened Gut Microbe Oscillation Precede Motor Dysfunction and Neuropathology in Animal Models of Parkinson's Disease.](#)

Journal of Parkinson's disease , Volume: 12 Issue: 8 2022

Authors Liang F,Chen CY,Li YP,Ke YC,Ho EP,Jeng CF,Lin CH,Chen SK

[Porphyromonas gingivalis: A key role in Parkinson's disease with cognitive impairment?](#)

Frontiers in neurology , Volume: 13 2022

Authors Li D,Ren T,Li H,Liao G,Zhang X

[Role of the gut-microbiota-metabolite axis in the rotenone model of early-stage Parkinson's Disease.](#)

Metabolic brain disease , Volume: 37 Issue: 7 2022 Oct

Authors Yan Z,Li R,Shi W,Yao L

[Oral and gut dysbiosis leads to functional alterations in Parkinson's disease.](#)

NPJ Parkinson's disease , Volume: 8 Issue: 1 2022 Jul 7

Authors Jo S,Kang W,Hwang YS,Lee SH,Park KW,Kim MS,Lee H,Yoon HJ,Park YK,Chalita M,Lee JH,Sung H,Lee JY,Bae JW,Chung SJ

[The Gut Microbiome in Parkinson`s Disease: A Longitudinal Study of the Impacts on Disease Progression and the Use of Device-Assisted Therapies.](#)

Frontiers in aging neuroscience , Volume: 14 2022

Authors Lubomski M,Xu X,Holmes AJ,Muller S,Yang JYH,Davis RL,Sue CM

[Nutritional Intake and Gut Microbiome Composition Predict Parkinson's Disease.](#)

Frontiers in aging neuroscience , Volume: 14 2022

Authors Lubomski M,Xu X,Holmes AJ,Muller S,Yang JYH,Davis RL,Sue CM

[Urolithins: potential biomarkers of gut dysbiosis and disease stage in Parkinson's patients.](#)

Food & function , Volume: 13 Issue: 11 2022 Jun 6

Authors Romo-Vaquero M,Fernández-Villalba E,Gil-Martinez AL,Cuenca-Bermejo L,Espín JC,Herrero MT,Selma MV

[GMrepo v2: a curated human gut microbiome database with special focus on disease markers and cross-dataset comparison.](#)

Nucleic acids research , Volume: 50 Issue: D1 2022 Jan 7

Authors Dai D,Zhu J,Sun C,Li M,Liu J,Wu S,Ning K,He LJ,Zhao XM,Chen WH

[Parkinson`s Disease and Gut Microbiota.](#)

Annals of nutrition & metabolism , 2021 Sep 9

Authors Hirayama M,Ohno K

[Cyanobacteria, Cyanotoxins, and Neurodegenerative Diseases: Dangerous Liaisons.](#)

International journal of molecular sciences , Volume: 22 Issue: 16 2021 Aug 13

Authors Sini P,Dang TBC,Fais M,Galioto M,Padedda BM,Lugliè A,Iaccarino C,Crosio C

[Association of Helicobacter pylori treatment with Parkinsonism and related disorders: A systematic review and meta-analysis.](#)

Life sciences , Volume: 281 2021 Sep 15

Authors Bai F,Li X

[Desulfovibrio Bacteria Are Associated With Parkinson`s Disease.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Murros KE,Huynh VA,Takala TM,Saris PEJ

[Helicobacter pylori eradication improves motor fluctuations in advanced Parkinson's disease patients: A prospective cohort study \(HP-PD trial\).](#)

PloS one , Volume: 16 Issue: 5 2021

Authors Lolekha P,Sriphanom T,Vilaichone RK

[Association of Parkinson`s Disease With Microbes and Microbiological Therapy.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Chen ZJ,Liang CY,Yang LQ,Ren SM,Xia YM,Cui L,Li XF,Gao BL

[Meta-analysis of the Parkinson`s disease gut microbiome suggests alterations linked to intestinal inflammation.](#)

NPJ Parkinson`s disease , Volume: 7 Issue: 1 2021 Mar 10

Authors Romano S,Savva GM,Bedarf JR,Charles IG,Hildebrand F,Narbad A

[Systematic analysis of gut microbiome reveals the role of bacterial folate and homocysteine metabolism in Parkinson's disease.](#)

Cell reports , Volume: 34 Issue: 9 2021 Mar 2

Authors Rosario D,Bidkhor G,Lee S,Bedarf J,Hildebrand F,Le Chatelier E,Uhlen M,Ehrlich SD,Proctor G,Wüllner U,Mardinoglu A,Shoaie S

[The Association Between the Gut Microbiota and Parkinson`s Disease, a Meta-Analysis.](#)

Frontiers in aging neuroscience , Volume: 13 2021

Authors Shen T,Yue Y,He T,Huang C,Qu B,Lv W,Lai HY

[Helicobacter pylori infection is associated with a poor response to levodopa in patients with Parkinson's disease: a systematic review and meta-analysis.](#)

Journal of neurology , Volume: 269 Issue: 2 2022 Feb

Authors Zhong R,Chen Q,Zhang X,Li M,Lin W

[Relationships of gut microbiota, short-chain fatty acids, inflammation, and the gut barrier in Parkinson's disease.](#)

Molecular neurodegeneration , Volume: 16 Issue: 1 2021 Feb 8

Authors Aho VTE,Houser MC,Pereira PAB,Chang J,Rudi K,Paulin L,Hertzberg V,Auvinen P,Tansey MG,Scheperjans F

[Clinical Phenotypes of Parkinson`s Disease Associate with Distinct Gut Microbiota and Metabolome Enterotypes.](#)

Biomolecules , Volume: 11 Issue: 2 2021 Jan 22

Authors Vascellari S,Melis M,Palmas V,Pisanu S,Serra A,Perra D,Santoru ML,Oppo V,Cusano R,Uva P,Atzori L,Morelli M,Cossu G,Manzin A

[Does Gut Microbiota Influence the Course of Parkinson`s Disease? A 3-Year Prospective Exploratory Study in de novo Patients.](#)

Journal of Parkinson`s disease , Volume: 11 Issue: 1 2021

Authors Cilia R,Piatti M,Cereda E,Bolliri C,Caronni S,Ferri V,Cassani E,Bonvegna S,Ferrarese C,Zecchinelli AL,Barichella M,Pezzoli G

Short-Chain Fatty Acid-Producing Gut Microbiota Is Decreased in Parkinson`s Disease but Not in Rapid-Eye-Movement Sleep Behavior Disorder.

mSystems , Volume: 5 Issue: 6 2020 Dec 8

Authors Nishiwaki H,Hamaguchi T,Ito M,Ishida T,Maeda T,Kashihara K,Tsuboi Y,Ueyama J,Shimamura T,Mori H,Kurokawa K,Katsuno M,Hirayama M,Ohno K

Gut Microbial Ecosystem in Parkinson Disease: New Clinicobiological Insights from Multi-Omics.

Annals of neurology , Volume: 89 Issue: 3 2021 Mar

Authors Tan AH,Chong CW,Lim SY,Yap IKS,Teh CSJ,Loke MF,Song SL,Tan JY,Ang BH,Tan YQ,Kho MT,Bowman J,Mahadeva S,Yong HS,Lang AE

Altered gut microbiota in Parkinson`s disease patients/ healthy spouses and its association with clinical features.

Parkinsonism & related disorders , Volume: 81 2020 Dec

Authors Zhang F,Yue L,Fang X,Wang G,Li C,Sun X,Jia X,Yang J,Song J,Zhang Y,Guo C,Ma G,Sang M,Chen F,Wang P

Neuroprotective effects of probiotics bacteria on animal model of Parkinson`s disease induced by 6-hydroxydopamine: A behavioral, biochemical, and histological study.

Journal of immunoassay & immunochemistry , 2020 Oct 20

Authors Alipour Nosrani E,Tamtaji OR,Alibolandi Z,Sarkar P,Ghazanfari M,Azami Tameh A,Taghizadeh M,Banikazemi Z,Hadavi R,Naderi Taheri M

Gut bacterial deamination of residual levodopa medication for Parkinson`s disease.

BMC biology , Volume: 18 Issue: 1 2020 Oct 20

Authors van Kessel SP,de Jong HR,Winkel SL,van Leeuwen SS,Nelemans SA,Permentier H,Keshavarzian A,El Aidy S

Changes in Gastrointestinal Microbiome Composition in PD: A Pivotal Role of Covariates.

Frontiers in neurology , Volume: 11 2020

Authors Cosma-Grigorov A,Meixner H,Mrochen A,Wirtz S,Winkler J,Marxreiter F

Characterization of the intestinal microbiota during Citrobacter rodentium infection in a mouse model of infection-triggered Parkinson's disease.

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Cannon T,Sinha A,Trudeau LE,Maurice CF,Gruenheid S

Gut Microbiota and Metabolome Alterations Associated with Parkinson`s Disease.

mSystems , Volume: 5 Issue: 5 2020 Sep 15

Authors Vascellari S,Palmas V,Melis M,Pisanu S,Cusano R,Uva P,Perra D,Madau V,Sarchioto M,Oppo V,Simola N,Morelli M,Santoru ML,Atzori L,Melis M,Cossu G,Manzin A

Review: Extragastric diseases and Helicobacter pylori.

Helicobacter , Volume: 25 Suppl 1 2020 Sep

Authors Pellicano R,Ianiro G,Fagoonee S,Settanni CR,Gasbarrini A

Helicobacter pylori Eradication in Parkinson's Disease: A Randomized Placebo-Controlled Trial.

Movement disorders : official journal of the Movement Disorder Society , Volume: 35 Issue: 12 2020 Dec

Authors Tan AH,Lim SY,Mahadeva S,Loke MF,Tan JY,Ang BH,Chin KP,Mohammad Adnan AF,Ong SMC,Ibrahim AI,Zulkifli N,Lee JK,Lim WT,Teo YT,Kok YL,Ng TY,Tan AGS,Zulkifle IM,Ng CK,Ee SS,Arafin S,Mohamad Shukori K,Vadivelu JS,Marras C,Fox SH,Lang AE

Gut metagenomics-derived genes as potential biomarkers of Parkinson's disease.

Brain : a journal of neurology , Volume: 143 Issue: 8 2020 Aug 1

Authors Qian Y,Yang X,Xu S,Huang P,Li B,Du J,He Y,Su B,Xu LM,Wang L,Huang R,Chen S,Xiao Q

Meta-Analysis of Gut Dysbiosis in Parkinson`s Disease.

Movement disorders : official journal of the Movement Disorder Society , Volume: 35 Issue: 9 2020 Sep

Authors Nishiwaki H,Ito M,Ishida T,Hamaguchi T,Maeda T,Kashihara K,Tsuboi Y,Ueyama J,Shimamura T,Mori H,Kurokawa K,Katsuno M,Hirayama M,Ohno K

Clostridium difficile infection and risk of Parkinson's disease: a Swedish population-based cohort study.

European journal of neurology , Volume: 27 Issue: 11 2020 Nov

Authors Kang X,Ploner A,Ludvigsson JF,Williams DM,Larsson H,Pedersen NL,Wirdefeldt K

Parkinson`s disease-associated alterations of the gut microbiome predict disease-relevant changes in metabolic functions.

BMC biology , Volume: 18 Issue: 1 2020 Jun 9

Authors Baldini F,Hertel J,Sandt E,Thinnes CC,Neuberger-Castillo L,Pavelka L,Betsou F,Krüger R,Thiele I,NCER-PD Consortium.

Microbiota Composition and Metabolism Are Associated With Gut Function in Parkinson's Disease.

Movement disorders : official journal of the Movement Disorder Society , Volume: 35 Issue: 7 2020 Jul

Authors Cirstea MS,Yu AC,Golz E,Sundvick K,Kliger D,Radisavljevic N,Foulger LH,Mackenzie M,Huan T,Finlay BB,Appel-Cresswell S

Can Gut Microbiota Be a Good Predictor for Parkinson's Disease? A Machine Learning Approach.

Brain sciences , Volume: 10 Issue: 4 2020 Apr 19

- Authors Pietrucci D,Teofani A,Unida V,Cerroni R,Biocca S,Stefani A,Desideri A
[\[Features of gut microbiota in patients with idiopathic Parkinson`s disease\].](#)
Zhonghua yi xue za zhi , Volume: 100 Issue: 13 2020 Apr 7
 Authors Li Y,Li RX,Du YT,Xu XJ,Xue Y,Gao D,Gao T,Sheng Z,Zhang LY,Tuo HZ
[Gut Microbiota Altered in Mild Cognitive Impairment Compared With Normal Cognition in Sporadic Parkinson's Disease.](#)
Frontiers in neurology , Volume: 11 2020
 Authors Ren T,Gao Y,Qiu Y,Jiang S,Zhang Q,Zhang J,Wang L,Zhang Y,Wang L,Nie K
[Microbiome changes: an indicator of Parkinson`s disease?](#)
Translational neurodegeneration , Volume: 8 2019
 Authors Haikal C,Chen QQ,Li JY
[The gut in Parkinson`s disease: Bottom-up, top-down, or neither?](#)
Neurogastroenterology and motility : the official journal of the European Gastrointestinal Motility Society ,
 Volume: 32 Issue: 1 2020 Jan
 Authors Leclair-Visonneau L,Neunlist M,Derkinderen P,Lebouvier T
[Analysis of the Gut Microflora in Patients With Parkinson`s Disease.](#)
Frontiers in neuroscience , Volume: 13 2019
 Authors Jin M,Li J,Liu F,Lyu N,Wang K,Wang L,Liang S,Tao H,Zhu B,Alkasir R
[Increasing Comparability and Utility of Gut Microbiome Studies in Parkinson`s Disease: A Systematic Review.](#)
Journal of Parkinson`s disease , 2019 Sep 4
 Authors Boertien JM,Pereira PAB,Aho VTE,Scheperjans F
[Gut Microbiota Differs Between Parkinson`s Disease Patients and Healthy Controls in Northeast China.](#)
Frontiers in molecular neuroscience , Volume: 12 2019
 Authors Li C,Cui L,Yang Y,Miao J,Zhao X,Zhang J,Cui G,Zhang Y
[Gut microbiota in Parkinson's disease: Temporal stability and relations to disease progression.](#)
EBioMedicine , Volume: 44 2019 Jun
 Authors Aho VTE,Pereira PAB,Voutilainen S,Paulin L,Pekkonen E,Auvinen P,Scheperjans F
[Dysbiosis of gut microbiota in a selected population of Parkinson`s patients.](#)
Parkinsonism & related disorders , Volume: 65 2019 Aug
 Authors Pietrucci D,Cerroni R,Unida V,Farcomeni A,Pierantozzi M,Mercuri NB,Biocca S,Stefani A,Desideri A
[New insights from uncultivated genomes of the global human gut microbiome.](#)
Nature , Volume: 568 Issue: 7753 2019 Apr
 Authors Nayfach S,Shi ZJ,Seshadri R,Pollard KS,Kyrpides NC
[Quantification of hydrogen production by intestinal bacteria that are specifically dysregulated in Parkinson`s disease.](#)
PloS one , Volume: 13 Issue: 12 2018
 Authors Suzuki A,Ito M,Hamaaguchi T,Mori H,Takeda Y,Baba R,Watanabe T,Kurokawa K,Asakawa S,Hirayama M,Ohno K
[Unraveling gut microbiota in Parkinson`s disease and atypical parkinsonism.](#)
Movement disorders : official journal of the Movement Disorder Society , 2018 Dec 21
 Authors Barichella M,Severgnini M,Cilia R,Cassani E,Bolliri C,Caronni S,Ferri V,Cancello R,Ceccarani C,Faierman S,Pinelli G,De Bellis G,Zecca L,Cereda E,Consolandi C,Pezzoli G
[Changes of Colonic Bacterial Composition in Parkinson`s Disease and Other Neurodegenerative Diseases.](#)
Nutrients , Volume: 10 Issue: 6 2018 Jun 1
 Authors Gerhardt S,Mohajeri MH
[Gut microbiota in patients with Parkinson`s disease in southern China.](#)
Parkinsonism & related disorders , Volume: 53 2018 Aug
 Authors Lin A,Zheng W,He Y,Tang W,Wei X,He R,Huang W,Su Y,Huang Y,Zhou H,Xie H
[Alteration of the fecal microbiota in Chinese patients with Parkinson's disease.](#)
Brain, behavior, and immunity , Volume: 70 2018 May
 Authors Qian Y,Yang X,Xu S,Wu C,Song Y,Qin N,Chen SD,Xiao Q
[Oral administration of *Proteus mirabilis* damages dopaminergic neurons and motor functions in mice.](#)
Scientific reports , Volume: 8 Issue: 1 2018 Jan 19
 Authors Choi JG,Kim NJ,Ju IG,Eo H,Lim SM,Jang SE,Kim DH,Oh MS
[Progression of Parkinson`s disease is associated with gut dysbiosis: Two-year follow-up study.](#)
PloS one , Volume: 12 Issue: 11 2017
 Authors Minato T,Maeda T,Fujisawa Y,Tsuji H,Nomoto K,Ohno K,Hirayama M
[More than constipation - bowel symptoms in Parkinson's disease and their connection to gut microbiota.](#)
European journal of neurology , Volume: 24 Issue: 11 2017 Nov
 Authors Mertsalmi TH,Aho VTE,Pereira PAB,Paulin L,Pekkonen E,Auvinen P,Scheperjans F
[The nasal and gut microbiome in Parkinson's disease and idiopathic rapid eye movement sleep behavior disorder.](#)

Movement disorders : official journal of the Movement Disorder Society , Volume: 33 Issue: 1 2018 Jan

Authors Heintz-Buschart A, Pandey U, Wicke T, Sixel-Döring F, Janzen A, Sittig-Wiegand E, Trenkwalder C, Oertel WH, Mollenhauer B, Wilmes P

[Gut Microbiota, Nitric Oxide, and Microglia as Prerequisites for Neurodegenerative Disorders.](#)

ACS chemical neuroscience , Volume: 8 Issue: 7 2017 Jul 19

Authors Tse JKY

[Taxonomic and functional shifts in the microbiome of severely obese, prediabetic patients: Ketogenic diet versus energy-matched standard diet.](#)

Diabetes, obesity & metabolism , 2025 Dec 15

Authors Stone J, Tripyla A, Scalise MC, Balmer ML, Bally L, Meinel DM

[Mediterranean diet, gut microbiota, and type 2 diabetes: A systematic review and meta-analysis of intervention trials.](#)

Nutrition, metabolism, and cardiovascular diseases : NMCD , 2025 Nov 3

Authors Lauria F, Formisano A, Dello Russo M, Quaglia C, Giacco R, Russo GL, Spagnuolo C, Vitale M

[Resveratrol as an Adjunct Antiviral Agent in Pediatric Viral Infections: A Review on Mechanistic Insights and Gut Microbiota Modulation.](#)

International journal of molecular sciences , Volume: 26 Issue: 23 2025 Nov 24

Authors Leonardi R, Lo Bianco M, Spinello S, Betta P, Gagliano C, Calabrese V, Polizzi A, Malaguarnera G

[Medium-chain triglycerides and ketogenic diet prevent alterations of the gut microbiome in transgenic Alzheimer's disease mice.](#)

Communications biology , 2025 Dec 7

Authors M'Bra PEH, Suárez-Urbe I, Avino M, Ng Kwan Lim E, Mayhue M, Balthazar P, Aumont A, Prévost K, Massé E, Fernandes KJL

[Resveratrol ameliorates early-weaning stressed calves via alterations in gut microbiome and metabolome.](#)

Journal of dairy science , 2025 Dec 3

Authors Ma X, Wang D, Kuang Y, Nan S, Niu Y, Wu Y, Zhang W

[A 30% high-fiber diet mitigates oxidative stress and inflammation while modulating cecal microbiota in rats undergoing high-intensity exercise.](#)

BMC sports science, medicine & rehabilitation , 2025 Nov 29

Authors Athari SZ, Amoghli Tabrizi B, Khakpour M, Kianfar N, Khani E, Abbasi A, Nourazar MA

[Lactiplantibacillus plantarum Lp20 Alleviates High Fat Diet-Induced Obesity in Mice via Its Bile Salt Hydrolase Activity.](#)

Nutrients , Volume: 17 Issue: 22 2025 Nov 14

Authors Bai X, Lu F, Jing Y, Wang H, Qian H, Zhang M, Zhai Z, Hao Y

[Impact of Diet on Gut Microbiota in Diverticular Disease of the Colon: An Exploratory Retrospective Study.](#)

Microorganisms , Volume: 13 Issue: 11 2025 Oct 23

Authors Tursi A, Procaccianti G, D'Amico F, De Bastiani R, Allegretta L, Antonino N, Baldi E, Casamassima C, Casella G, Ciuffi M, De Bastiani M, Lazzarotto L, Licci C, Mancuso M, Penna A, Pranzo G, Sanna G, Tosetti C, Zamparella M, Picchio M, Turroni S

[Depending on intensity, exercise improved or worsened pathology in a model of prodromal Parkinson's disease.](#)

NPJ Parkinson's disease , Volume: 11 Issue: 1 2025 Nov 23

Authors Baldauf L, Feja M, Stanojlovic M, Strowig T, Visscher C, Schaeffer E, Berg D, Hankel J, Richter F

[Stachyose attenuates DSS-induced colitis and is associated with elevated colonic medium-chain fatty acids: an integrated multi-omics analysis.](#)

NPJ science of food , Volume: 9 Issue: 1 2025 Nov 18

Authors Kim G, Chen K, Xing Z, Wu X, Zhang H, Fang Y, Zhang Z, He N, Li S, Zhang F

[Oral Administration of Lactiplantibacillus plantarum KBL396 Regulates Serum 5-Hydroxytryptamine and Gut Microbiota: Evidence from a Preclinical Mouse Model and a Randomized Controlled Human Trial.](#)

Probiotics and antimicrobial proteins , 2025 Nov 17

Authors Myung W, Jang SJ, Lee G, Lee C, Lee K, Moon SH, Jeong Y, Kim WK, Park S, Lee H, Park YS, Shin S, Nam TW, Jeon HJ, Ko G

[Ketone ester supplementation protects from experimental colitis via improved goblet cell differentiation and function.](#)

European journal of nutrition , Volume: 64 Issue: 8 2025 Nov 12

Authors Rohwer N, Sander A, Ocivirk S, Wiebel M, Köhl AA, Schebb NH, Grune T, Weylandt KH

[Postbiotic delivery via alginate encapsulation alleviates DSS-induced colitis by modulating gut microbiota and SCFA-mediated immune signaling.](#)

Food research international (Ottawa, Ont.) , Volume: 221 Issue: Pt 3 2025 Dec

Authors Yu Q, Zhu J, Huang M, Bai J, Zhu Y, Zhao Y, Yang Y, Xiao X

[Bifidobacterium longum supplementation prevents intestinal inflammation and cognitive impairment in sleep-deprived mice by modulating clock gene expression.](#)

Food & function , 2025 Nov 10

Authors Huang L, Li X, Guo M, Lu W, Zhao J, Xiao Y, Chen W

[Gut microbiota composition and long-term physical activity in healthy older adults at high and low performance levels.](#)

Experimental gerontology , Volume: 212 2025 Nov 4

Authors Fiorilli G,Medoro A,Viciani E,di Cagno A,Calcagno G,Di Costanzo A,Castagnetti A,Scapagnini G,Davinelli S

Aerobic exercise and gut flora: a key link to improved cognitive impairment in mice with Parkinson's disease.

Frontiers in aging neuroscience , Volume: 17 2025

Authors Shan WP,Yan SL,Guo YY,Yang HK,Wang JC,Xiang J

Multi-Strain Probiotics Alleviate Alcoholic Liver Disease Via Microbiota-Metabolism Axis: A Randomized Controlled Study.

Probiotics and antimicrobial proteins , 2025 Nov 3

Authors Feng J,Wu J,Zhang M,Chen W,Zhao J,Lv Y,Lai R,Fang S,Li Y

Dietary composition and fasting regimens differentially impact the gut microbiome and short-chain fatty acid profile in a Pakistani cohort.

Frontiers in systems biology , Volume: 5 2025

Authors Gul F,Herrema H,Ameer A,David M,Nasir A,Gerasimidis K,Ijaz UZ,Javed S

Comparative analysis of dietary fiber impact on bile acid metabolism and gut microbiota composition in mice.

Npj gut and liver , Volume: 2 Issue: 1 2025

Authors Zöchling A,Séneca J,Pjevac P,Auñon-Lopez A,Zebeli Q,Pignitter M,Duszka K

Phytochemical analysis and bioactive potential of Moringa, Eucalyptus, and Nerium extracts against microbial, diabetic, inflammatory, and oxidative stress challenges.

3 Biotech , Volume: 15 Issue: 11 2025 Nov

Authors Challa BR,Kantamneni GD,Suravajhala M,Vadlamudi S,Manne M,Chathyushya KB

Effects of different intake levels of brown rice and whole wheat on the mental state of mice.

Food chemistry , Volume: 496 Issue: Pt 2 2025 Oct 9

Authors Zhi L,Wu T,Zhu Y,Zhao Q,Xue Y,Shen Q

Effects of home-based exercise training on gut microbiota and possible relations with cognitive function and metabolic health in postmenopausal women with type 2 diabetes mellitus: a randomized control trial.

Diabetes research and clinical practice , Volume: 229 2025 Oct 17

Authors Vahed A,Molanouri Shamsi M,Siadat SD,Behmanesh M,Negares R,Agh-Mohammadi S,Ebrahimi M

A Pharmacokinetic-Pharmacodynamic Approach to Propose an Amoxicillin Dosage Regimen for Treatment of Escherichia coli and Staphylococcus delphini Infections in Mink (Neovison vison).

Journal of veterinary pharmacology and therapeutics , 2025 Oct 17

Authors Ronaghinia AA,Nikolaisen NK,Fertner M,Pirollo M,Frandsen HL,Struve T,Toutain PL,Damborg P

The addition of encapsulated Bacillus subtilis, Enterococcus faecium, and Lactobacillus plantarum postbiotics, either alone or with inulin, improves slaughter weight, gut function, and microbiota in broilers.

BMC veterinary research , Volume: 21 Issue: 1 2025 Oct 14

Authors Atan Çirpici H,Kirkpınar F

Resveratrol alleviates IBD-associated neuropsychiatric comorbidities via microbiota-dependent arginine metabolism reprogramming and microglial M2 polarization through gut-brain axis.

Cell communication and signaling : CCS , Volume: 23 Issue: 1 2025 Oct 10

Authors Fan YY,Yang ZJ,Wang MY,Qin SM,Lei JQ,Xie QL,Jiang LS,Luo YG,Lu XF,Li K,Lu JM,Liang Q,Wu XB,Huang GD,Xie JZ,Luo W,Qin SY,Yu B,Wei KC

Exercise-induced modulation of gut microbiota in individuals with obesity and type 2 diabetes: a systematic review and meta-analysis.

Frontiers in microbiology , Volume: 16 2025

Authors Lin W,Pu L,Qian X,Pan J,Cheng R,Sun P

High-fat diet, intestinal microecology and bone loss.

Nutrition & metabolism , Volume: 22 Issue: 1 2025 Oct 8

Authors Wang N,Tong X,Li YK

Garlic essential oil alleviate oxidative stress, inflammation and microbiota dybiosis from small intestinal damage in lipopolysaccharide-challenged weaned piglets.

Porcine health management , Volume: 11 Issue: 1 2025 Sep 30

Authors Chen Y,Song W,Sun C,Chen Y,Chen X,Chen S,Chen Q,Wang K

Comparative Molecular Profiling and Bioactivity Analysis of Algerian Propolis: Antioxidant, Antibacterial Activities, and In Silico NRF2-KEAP1 Pathway Modulation.

Current issues in molecular biology , Volume: 47 Issue: 9 2025 Sep 15

Authors Reguig A,Messai A,Bedaïda IK,Pinto DCGA,Bensouici C,Ouamane AT,Silva AMS,Roy JP

Systemic and gut microbiome changes with metformin and liraglutide in youth-onset type 2 diabetes: the MIGHTY study.

Gut microbes , Volume: 17 Issue: 1 2025 Dec

Authors Glaros SB,Mishra SP,Jain S,Davis FS,Gabel SA,Mueller GA,Jarmusch AK,Mabundo L,Courville AB,Walter MF,Walter PJ,Overdahl KE,Yadav H,Chung ST

Exercise-Induced Changes in Enterohepatic Communication Are Linked to Liver Steatosis Resolution.**Nutrients** , Volume: 17 Issue: 18 2025 Sep 15

Authors Zou Y,Xia J,Zhang S,Guo Y,Liu W,Qi Z

Gut microbiome-mediated health effects of fiber and polyphenol-rich dietary interventions.**Frontiers in nutrition** , Volume: 12 2025

Authors Meiners F,Ortega-Matienzo A,Fuellen G,Barrantes I

Individual and Combined Effects of Medium- and Long-Chain Triacylglycerol and 2'-Fucosyllactose on Small Intestinal Morphology, Barrier Function, and Gut Microbiota in Growing C57BL/6 Mice.**Nutrients** , Volume: 17 Issue: 17 2025 Aug 31

Authors Jin X,Shen M,Zhang M,Chen H,Jin Y,Zeng Y,Pan Z,Wang Z,Wang P,Yang Y,Yan Z,Zhu H,Li D

Polyphenol from walnut septum alleviates DSS-induced colonic injury by regulating the PI3K-AKT pathway signaling and gut microbiota in mice.**Phytomedicine : international journal of phytotherapy and phytopharmacology** , Volume: 147 2025 Aug 22

Authors Hong Z,Chen J,Shi C,Bai Y,Hu X,Pan Y,Dai J,Sheng J,Xie J,Tian Y

Effect of Lactiplantibacillus plantarum LPJZ-658 on caecum microbiota and serum metabolomics of Luhua broiler.**Frontiers in microbiology** , Volume: 16 2025

Authors Li M,Liu Z,Chen C,Liu Z,Liu L

Lactobacillus plantarum and Lactobacillus brevis alleviate enterotoxigenic Escherichia coli-induced intestinal inflammation and stabilize intestinal microorganisms and serum metabolites in piglets.**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 22 2025 Sep

Authors Han X,Gao R,Ding S,Yao H,Fang J,Liu G

Ketogenic Diet Modulates Gut Microbiota-Brain Metabolite Axis in a Sex- and Genotype-Specific Manner in APOE4 Mice.**Journal of neurochemistry** , Volume: 169 Issue: 9 2025 Sep

Authors Ivanich K,Yackzan A,Flemister A,Chang YH,Xing X,Chen A,Yanckello LM,Sun M,Aware C,Govindarajan M,Kramer S,Ericsson A,Lin AL

Lactococcus lactis and Bifidobacterium longum attenuate Clostridioides difficile- or Clostridium symbiosum-induced colitis and depression/anxiety-like behavior in male mice.**Microbes and infection** , 2025 Aug 28

Authors Joo MK,Ma X,Shin JW,Shin YJ,Kim DH

Mango by-Product-Based High-Fiber Confectionery Attenuates Liver Steatosis and Alters Gut Microbiota in High-Fat Diet-Fed Rats.**Molecular nutrition & food research** , 2025 Aug 30

Authors Barbosa Y,Gaytán-Martínez M,de Los Ríos-Arellano EA,Chavez-Santoscoy RA,Hinojosa-Alvarez S,Antunes-Ricardo M,Luzardo-Ocampo I,Ramírez-Jiménez AK

Probiotic Lactiplantibacillus plantarum Probio87 Improves Gut Microbial Profiles in HPV-Positive Women: A Randomized, Placebo-Controlled and Double-Blind Study.**Molecular nutrition & food research** , 2025 Aug 30

Authors Xu P,Mageswary MU,Nisaa AA,Samsudin SB,Rusdi NIBM,Jerip ARA,Oon CE,Sany SB,Tan CS,Zhu ZH,Liong MT

Strain-Specific Lactobacillus Probiotics Intervention in Mitigating Obesity and Metabolic Dysregulation via Gut Microbiota Modulation in a Mouse Model of High-Fat Diet.**Probiotics and antimicrobial proteins** , 2025 Aug 29

Authors Shad E,Azadikhah F,Shekarfroush S,Nazifi S,Eskandari MH

Multi-omics integration reveals the impact of mediterranean diet on hepatic metabolism and gut microbiota in mice with metabolic dysfunction-associated steatotic liver disease.**Frontiers in nutrition** , Volume: 12 2025

Authors Wang Z,Chen G,Sun X,Xiao J,Kong L,Jiang S,Xu T,Wang M,Zhao H

Enrichment of short-chain fatty acid-producing bacteria by pH-responsive sodium alginate and chitosan-encapsulated quercetin.**Frontiers in microbiology** , Volume: 16 2025

Authors Bai Q,Zhao Z,Duan Y,Cai R,Chen Y,Zhou C,Tian X,Yang Y,Wu H,Li M,You J,Song Q,Dong H,Liu T

Pharmacokinetics Study and Modelling of Amoxicillin After Intramuscular Administration in Veal Calves Suffering From Omphalitis.**Journal of veterinary pharmacology and therapeutics** , 2025 Aug 20

Authors Moustaghfir M,Espana B,Hauray K,Charretier R,Hammed A,Louzier V,Madec JY,Haenni M,Lupo A,Prouillac C

Lactiplantibacillus plantarum promotes lactoferrin synthesis and secretion in bovine mammary epithelial cells through STAT3 and AP-1 transcription factor pathways.**In vitro cellular & developmental biology. Animal** , 2025 Aug 13

Authors Zhou J,Lian S,Geng Z,Yang Y,Wu R,Wang J

A non-pharmacological intervention for insomnia: tryptophan-fructooligosaccharides combination improves sleep in mice via anti-inflammation and gut microbiota modulation.

Food & function , 2025 Aug 7

Authors Wong WY,Chan BD,Cho PT,Tai WC

Lactiplantibacillus plantarum MTCC 25433 and Quercetin Blend Ameliorate Benzo[a]pyrene-Induced Gut Dysregulation in a Murine Model.

Current microbiology , Volume: 82 Issue: 9 2025 Aug 4

Authors Goyal SP,Chandratre GA,Rawat A,Kondepudi KK,Badgajar PC,Saravanan C

Early-life 2'-Fucosyllactose and its combination with Bifidobacterium bifidum TMC3115: Sex-specific effects in learning, spatial memory, and hyperactivity in juvenile spontaneous hypertensive rats as an attention deficit/hyperactivity disorder model.

Journal of dairy science , 2025 Jul 31

Authors Yang Y,Wu S,Liu J,Luo Y,Li J,Wang K,He F,Cheng R

Modulation of Gut Microbiota by Cacao: Insights from an In Vitro Model.

Current issues in molecular biology , Volume: 47 Issue: 6 2025 Jun 3

Authors Kim J,Jung S,Kim G,Kim J,Son B,Shin H

The influence of resveratrol and β -Hydroxy- β -methyl butyric acid supplementation alone or in combination on the development and health of the duodenum in Tibetan sheep.

Frontiers in microbiology , Volume: 16 2025

Authors Zhang Y, Ji Q, Gui L, Gebeyew K, Hou S, Wang Z, Han L, Yang C

The impact of Bifidobacterium longum CCFM1112 on chronic constipation: a randomised, double-blind, placebo-controlled study.

Beneficial microbes , 2025 Jul 21

Authors Liu W,Wang J,Xue Y,Li J,Huang Y,Zhu S,Wang L,Wang G,Chen W,Zhao J

Multi-omics analyses the effect of Bifidobacterium longum subsp. longum BL21 supplementation on overweight and obese subjects: a randomized, double-blind, placebo-controlled study.

Nutrition & metabolism , Volume: 22 Issue: 1 2025 Jul 17

Authors Wang X,Xing Z,Wang R,Zhang G,Liu G,Li Z,Li L

Synbiotic Administration of d-Tagatose and Lactocaseibacillus casei ATCC 393 Improves Hyperlipidemia in BALB/c Mice by Modulating Gut Microbiota and Metabolic Parameters.

Food science & nutrition , Volume: 13 Issue: 7 2025 Jul

Authors Cavdar M,Nogay NH,Dincer E,Karabulut D,Onal MG,Bolat S

High-Fat Diet with Normal Caloric Intake Elevates TMA and TMAO Production and Reduces Microbial Diversity in Rats.

Nutrients , Volume: 17 Issue: 13 2025 Jul 5

Authors Szudzik M,Zajdel M,Samborowska E,Perlejewski K,Radkowski M,Ufnal M

Effect of a 6-Month Functional Food Intervention on the Microbiota of Stunted Children in East Nusa Tenggara, Indonesia-A Randomized Placebo-Controlled Parallel Trial.

Foods (Basel, Switzerland) , Volume: 14 Issue: 13 2025 Jun 24

Authors Surono IS,Venema K,Martosudarmo S,Kusumo PD

Effects of Dietary Ratio of Insoluble Fiber to Soluble Fiber on Reproductive Performance, Biochemical Parameters, and Fecal Microbial Composition of Gestating Sows.

Animals : an open access journal from MDPI , Volume: 15 Issue: 13 2025 Jun 23

Authors Wen X,Wu Q,Gao K,Yang X,Xiao H,Jiang Z,Wang L

The potential of cell-free supernatants from Lactocaseibacillus paracasei B1 and Lactiplantibacillus plantarum O24 as antioxidant and antimicrobial agents.

Food chemistry , Volume: 492 Issue: Pt 2 2025 Jul 3

Authors Keska P,Zielinska D,Karbowiak M,Kruk M,Lisiecka U,Stadnik J

Ingestion of dark chocolate improves constipation and alters the intestinal microbiota in Japanese women.

Bioscience of microbiota, food and health , Volume: 44 Issue: 3 2025

Authors Ito H,Shimonaka A,Natsume M,Yonekura K,Fukasawa T,Ito S,Sawazaki A,Tamura K,Kimura I,Koga J

Effects of supplementation with Saccharomyces boulardii CNCM I-1079 on the fecal microbiota of healthy young Japanese black calves: A field trial.

Canadian journal of veterinary research = Revue canadienne de recherche veterinaire , Volume: 89 Issue: 3 2025 Jul

Authors Mori K,Uchiuni A,Yamamoto K,Shimizu Y,Ueda R,Fukazawa H,Ohtsuka H

Transforming Gut Health through Ramadan Intermittent Fasting: A Review on Metabolic and Microbiomic Insights.

Clinical nutrition ESPEN , 2025 Jul 1

Authors Elhag MRA,Abu-Median AB,Da Boit M,Haris PI,Madkour MI,Alkawamleh DH,Faris M

Impact of exercise-induced alterations on gut microbiota diversity and composition: comparing effects of different training modalities.

Cell regeneration (London, England) , Volume: 14 Issue: 1 2025 Jul 2

Authors Wang Y,Bai S,Yang T,Guo J,Zhu X,Dong Y

Licorice Total Flavonoids and Its Gut-Enriched Lactobacillus plantarum Synergistically Activate the Nrf2 Pathway to Alleviate Liver Injury.

Journal of agricultural and food chemistry , 2025 Jul 2

Authors Qu Q,Ma Y,Gao X,Lin Y,Guan Y,Wang Z,Zhang W,Jin W,Guo A,Lv W,Guo S

The sex-specific effects of sodium alginate with varying viscosities on lipid metabolism and gut microbiota in rats.

Journal of the science of food and agriculture , 2025 Jul 2

Authors Chen Z,Ni M,Wang X,Liu Y,Shi J,Guo W,Li X,Zhang L,Lin N,Chen J

2'-Fucosyllactose synbiotics with Bifidobacterium bifidum to improve intestinal transcriptional function and gut microbiota in constipated mice.

Food research international (Ottawa, Ont.) , Volume: 217 2025 Oct

Authors Shan Y,Zheng M,Liang W,Ouyang L,Wang S

Combined Phytochemical Sulforaphane and Dietary Fiber Inulin Contribute to the Prevention of ER-Negative Breast Cancer via PI3K/AKT/MTOR Pathway and Modulating Gut Microbial Composition.

Nutrients , Volume: 17 Issue: 12 2025 Jun 17

Authors Wu H,Witt BL,van der Pol WJ,Morrow CD,Duck LW,Tollefsbol TO

Exercise Remodels Akkermansia-Associated Eicosanoid Metabolism to Alleviate Intestinal Senescence: Multi-Omics Insights.

Microorganisms , Volume: 13 Issue: 6 2025 Jun 13

Authors Yu C,Liu X,Li Y,Li S,Huang Y,Liu S,Shao H,Shen Y,Fu L

The effects of nut intake on gut microbiome composition and gut function in adults: a systematic review and meta-analysis.

Advances in nutrition (Bethesda, Md.) , 2025 Jun 13

Authors Snelson M,Biesiekierski JR,Chen S,Sultan N,Cardoso BR

Investigation of the Mitigating Mechanism of Bifidobacterium longum 300 in d-Galactose-Induced Cognitive Impairment in Mice.

Journal of agricultural and food chemistry , 2025 Jun 14

Authors Zhang X,Ma X,Zhang J,Nie H,Mu G,Wu X

Enzymatic synthesis of β -galactosylated xylitol derivatives modulates gut microbiota and improves obesity-related metabolic parameters in mice.

Food & function , 2025 Jun 13

Authors Sabater C,Buonaccorsi M,Delgado-Fernández P,Corzo N,de Las Rivas B,Muñoz R,Alba A,Utrilla P,Moreno FJ

Intermittent fasting inhibits the development of colorectal cancer in APC (Min/+) mice through gut microbiota and its related metabolites.

Frontiers in microbiology , Volume: 16 2025

Authors Chen J,Su R,He Y,Chen J

Human milk oligosaccharide 2'-fucosyllactose alleviates cognitive impairment via the vagal afferent pathway in Alzheimer's disease mice.

Food & function , 2025 Jun 13

Authors Jia M,Wang X,Ning F,Wang W,Hu X,Geng K,Wen J,Wu S,Wang B,Liu Z

Dietary Galacto-Oligosaccharides Enhance Growth Performance and Modulate Gut Microbiota in Weaned Piglets: A Sustainable Alternative to Antibiotics.

Animals : an open access journal from MDPI , Volume: 15 Issue: 11 2025 May 22

Authors Wang Y,Li Z,Chen G,Xing Y,Wang J,Zhao Y,Kang M,Huang K,Li E,Ma X

2'-Fucosyllactose Modulates the Intestinal Immune Response to Gut Microbiota and Buffers Experimental Colitis in Mice: An Integrating Investigation of Colonic Proteomics and Gut Microbiota Analysis.

Food science & nutrition , Volume: 13 Issue: 6 2025 Jun

Authors Dong J,Qian M,Zhou D,Zhu A,Zhang W

Impact of the Probiotic on the Modulation of Vaginal Bacterial and Fungal Microbiota in HPV-Positive Women.

Molecular nutrition & food research , 2025 Jun 11

Authors Xu P,Uma Mageswary M,Nisaa AA,Balasubramaniam SD,Samsudin SB,Rusdi NIBM,Jerip ARA,Oon CE,Bakar MHA,Tan JJ,Roslan FF,Kadir MN,Ismail EHBE,Sany SB,Tan CS,Liong MT

Prebiotic potential of wheat and dark rye: modulation of gut microbiota and short-chain fatty acid-producing bacteria.

Food science and biotechnology , Volume: 34 Issue: 11 2025 Jul

Authors Kim J,Kim J,Kim G,Kim S,Shin H

High doses of the galactooligosaccharides, 2'-fucosyllactose alleviate immunodeficiency in vitro and in vivo.

European journal of nutrition , Volume: 64 Issue: 5 2025 Jun 9

Authors Li X,Li Y,Cheng K,Song T,Wang Y,Zhou H,Xu Y,Chaibou OZ,Wang B,Li H

[Impact of Iron Deficiency on the Growth and Bioelectrical Profile of Different Gut Bacteria.](#)

MicrobiologyOpen , Volume: 14 Issue: 3 2025 Jun

Authors Quarta E,Bourqgia-Ramzi M,Muñoz-Rodríguez D,García-Esteban MT,Murciano-Cespedosa A,Mateos González

Á,Conejero-Meca FJ,Lombardo-Hernandez J,Mansilla-Guardiola J,Baroni S,Geninatti Crich S,Geuna S,Munaron L,Chiabrand

D,Herrera-Rincon C

[Comparative efficacy of preventive vs. therapeutic resveratrol in modulating gut microbiota and alleviating inflammation in DSS-induced colitis.](#)

BMC immunology , Volume: 26 Issue: 1 2025 May 28

Authors Qin S,Yang Z,Lei J,Xie Q,Jiang L,Fan Y,Luo Y,Wei K,Luo W,Yu B

[Lactobacillus plantarum and Galacto-Oligosaccharides Synbiotic Relieve Irritable Bowel Syndrome by Reshaping Gut Microbiota and Attenuating Mast Cell Hyperactivation.](#)

Nutrients , Volume: 17 Issue: 10 2025 May 14

Authors Yao Q,Zhang W,Wang Y,Shi L,Zhao Y,Liang J,Zhao Y,Kang J,Zheng X,Guo R,Yuan T,She Y,Liu Z

[Bifidobacterium animalis Subsp. lactis PB200 Improves Intestinal Barrier Function and Flora Disturbance in Mice with Antibiotic-Induced Intestinal Injury.](#)

Nutrients , Volume: 17 Issue: 10 2025 May 8

Authors Wang G,Gong H,Zou Y,Zhang H,Mao X

[Effects of Exercise on Gut Microbiome and Serum Metabolomics in Post-Traumatic Osteoarthritis Rats.](#)

Metabolites , Volume: 15 Issue: 5 2025 May 20

Authors Hao X,Shang X,Zhang Y,Hou W,Chi R,Pan C,Liu J,Deng X,Zhang J,Xu T

[Intake of Neutral core Human Milk Oligosaccharides \(HMOs\) during early life improves long-term bone quality.](#)

The Journal of nutritional biochemistry , 2025 May 20

Authors Bonnet N,Schmidt FN,Baruchet M,Migliavacca E,Ramos-Nieves M,Favre L,Brassart D,Mletzko K,Busse B,Sietse-Jan

K,Horcajada MN

[Impact of probiotic Lactobacillus plantarum GKM3 on gastrointestinal health in overweight and obese individuals: A randomized clinical trial.](#)

Clinical nutrition ESPEN , Volume: 68 2025 May 16

Authors Tsai YS,Lin XB,Lin SW,Chen YL,Hsu CL,Chen CC

[The protective effects of propolis against lipopolysaccharide-induced acute liver injury by modulating serum metabolites and gut flora.](#)

Scientific reports , Volume: 15 Issue: 1 2025 May 15

Authors Liu Z,Li Z,Guo Y,Li Y,Xuan H

[Supplementation of 2'-Fucosyllactose during the Growth Period Improves Neurodevelopmental Disorders in Offspring Mice Induced by Maternal Immune Activation.](#)

Journal of agricultural and food chemistry , 2025 May 11

Authors Wu X,Cao T,Ye J,Shi R,Bao X,Ge Y,Li D,Hao S,Liu F,Liu X

[A single-cell transcriptomic atlas of all cell types in the brain of 5xFAD Alzheimer mice in response to dietary inulin supplementation.](#)

BMC biology , Volume: 23 Issue: 1 2025 May 9

Authors Wang X,Zhang H,Wan Z,Li X,Ibáñez CF,Xie M

[Inulin Modulates Gut Microbiota and Increases Short-Chain Fatty Acids Levels to Inhibit Colon Tumorigenesis in Rat Models: A Systematic Review and Meta-Analysis.](#)

Journal of food science , Volume: 90 Issue: 5 2025 May

Authors Yu Y,He J,Fu H,Mi Y,Wu H,Gao Y,Li M

[Thyme oil-loaded chitosan microparticles: an antibacterial approach against pathogenic bacteria.](#)

3 Biotech , Volume: 15 Issue: 5 2025 May

Authors Thakur A,Sharma K

[Inulin Diet Alleviates Abdominal Aortic Aneurysm by Increasing Akkermansia and Improving Intestinal Barrier.](#)

Biomedicines , Volume: 13 Issue: 4 2025 Apr 9

Authors Guo S,Yang F,Zhang J,Liao Y,Xia N,Tang T,Wang C,Wang QK,Chen C,Hu D,Shan Z,Cheng X

[Bifidogenic Effect of 2'-Fucosyllactose \(2'-FL\) on the Gut Microbiome of Healthy Formula-Fed Infants: A Randomized Clinical Trial.](#)

Nutrients , Volume: 17 Issue: 6 2025 Mar 11

Authors Lazarini T,Tonon KM,Araujo Filho HB,Morais MB

[Gut Microbiota Modulation Through Mediterranean Diet Foods: Implications for Human Health.](#)

Nutrients , Volume: 17 Issue: 6 2025 Mar 8

Authors Perrone P,D'Angelo S

Biomacromolecular composite microspheres based on sodium alginate and tremella fuciformis polysaccharide for enhanced protection and delivery of camellia oil: A comprehensive study in simulated digestion.

International journal of biological macromolecules , Volume: 310 Issue: Pt 4 2025 Apr 24

Authors Cai Y,Xu P,Huang R,Huang J,Zhan J,Su J,You R,Lu Y

Alleviating Effect of Lactiplantibacillus plantarum HYY-S10 on Colitis in Mice Based on an Analysis of the Immune Axis in the Intestine.

Microorganisms , Volume: 13 Issue: 4 2025 Apr 7

Authors Li M,Liu X,Chen W,Xu H,Huang F,Yao Q,Jia X,Huang Y

Effect of a 24-week supervised concurrent exercise intervention on fecal microbiota diversity and composition in young sedentary adults: The ACTIBATE randomized controlled trial.

Clinical nutrition (Edinburgh, Scotland) , Volume: 49 2025 Apr 15

Authors Martinez-Tellez B,Xu H,Ortiz-Alvarez L,Rodríguez-García C,Schönke M,Jurado-Fasoli L,Osuna-Prieto FJ,Alcantara JMA,Acosta FM,Amaro-Gahete FJ,Folkerts G,Vilchez-Vargas R,Link A,Plaza-Diaz J,Gil A,Labayen I,Fernandez-Veledo S,Rensen PCN,Ruiz JR

The regulatory effects of epigallocatechin gallate on growth performance, systemic antioxidant status, immune response, and gut microbiota structure in geese.

Poultry science , Volume: 104 Issue: 7 2025 Apr 16

Authors Liu M,Ge Y,Xu E,Zhu T,Ruan H,Zheng J

Human Milk Oligosaccharide Lacto-N-Neotetraose Promotes Gut Microbiota Recovery in the Context of Antibiotic-Induced Dysbiosis.

Journal of agricultural and food chemistry , 2025 Apr 17

Authors Pang J,Sa Z,Zhao X,Li J,Bai G,Xia Y

Selenium-enriched green tea extracts: chemical constituents and effects on antioxidant and anti-inflammatory factors and four major intestinal flora in mice with intestinal disorders.

Journal of the science of food and agriculture , 2025 Apr 15

Authors Yang H,Tao H,Xu C,Song J,Teng C,Pan C,Wei S

Electrostatically assembled maghemite nanoparticles-Lactobacillus plantarum: A novel hybrid for enhanced antioxidant, antimicrobial, and antibiofilm efficacy.

Bioresource technology , 2025 Apr 12

Authors Shingade JA,Padalkar NS,Shin JH,Kim YH,Park TJ,Park JP,Patil AR

Supplemental Probiotics, Postbiotics, and Their Combination on the Growth, Slaughter Variables, Organ Development, Intestinal Morphology, and Cecal Microbiota of Broilers.

Probiotics and antimicrobial proteins , 2025 Apr 9

Authors Zhu X,Zhang X,Zhang Y,Li F

Development of Luteolin-Loaded Calcium Alginate and Gum Tragacanth Blend Microbeads for Oral Delivery: In Vitro Characterization, Antioxidant, Antimicrobial, and Anticancer Activity Against Colon Cancer Cell Line (HT-29).

Assay and drug development technologies , 2025 Apr 4

Authors Zafar A,Alsaidan OA,Mujtaba MA,Sultana S

Effects of combined prebiotic fiber supplementation and weight loss counseling in adults with metabolic dysfunction-associated steatotic liver disease: a randomized controlled trial.

European journal of nutrition , Volume: 64 Issue: 4 2025 Apr 2

Authors Mayengbam S,Raman M,Parnell JA,Eksteen B,Lambert JE,Eller LK,Nicolucci AC,Aktary ML,Reimer RA

Continuous intake of galacto-oligosaccharides containing syrup contributes to maintaining the health of household cats by modulating their gut microbiota.

Bioscience of microbiota, food and health , Volume: 44 Issue: 2 2025

Authors Hokkyo A,Kakiyama S,Shiwa Y,Kaga C,Kobayashi T,Nomoto K,Harima-Mizusawa N

Impact of a High-Fat Diet on the Gut Microbiome: A Comprehensive Study of Microbial and Metabolite Shifts During Obesity.

Cells , Volume: 14 Issue: 6 2025 Mar 20

Authors Mamun MAA,Rakib A,Mandal M,Singh UP

Alleviation effects of Lactobacillus plantarum in colitis aggravated by a high-salt diet depend on intestinal barrier protection, NF- κ B pathway regulation, and oxidative stress improvement.

Food & function , 2025 Mar 20

Authors Chen Y,Liu N,Chen F,Liu M,Mu Y,Wang C,Xia L,Peng M,Zhou M

Behavioral alterations in antibiotic-treated mice associated with gut microbiota dysbiosis: insights from 16S rRNA and metabolomics.

Frontiers in neuroscience , Volume: 19 2025

Authors Bibi A,Zhang F,Shen J,Din AU,Xu Y

Multi-omics analysis of the mechanism of alfalfa and wheat-induced rumen flatulence in Xizang sheep.

Microbiology spectrum , 2025 Mar 7

Authors Wu J,Zhang X,Ayesha K,Khuram S,Cui J,Wang G,Yangzong Z,Shi M,Jiang X,Li L,Liu G,Zhao W,Song T

Maternal dietary inulin intake during late gestation and lactation ameliorates intestinal oxidative stress in piglets with the involvements of gut microbiota and bile acids metabolism.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 20 2025 Mar

Authors Lu D,Feng C,Pi Y,Ye H,Wu Y,Huang B,Zhao J,Han D,Soede N,Wang J

Combination of dietary fiber and exercise training improves fat loss in mice, but does not ameliorate MASLD more than exercise alone.

American journal of physiology. Gastrointestinal and liver physiology , 2025 Mar 4

Authors Kovynev A,Charchuta MM,Begtašević A,Ducarmon QR,Rensen PCN,Schönke M

Chemical Characterization and Antibiotic-Enhancing Activity of the Essential Oils of Propolis of Melipona quadrifasciata quadrifasciata.

Plants (Basel, Switzerland) , Volume: 14 Issue: 4 2025 Feb 14

Authors Albuquerque ES,Paulo CLR,de Oliveira Borges JA,Gonçalves SA,Alencar GG,Ferreira do Carmo J,de Moraes Almeida AI,Santos MLD,Almeida-Bezerra JW,da Silva LE,Oliveira-Tintino CDM,Coutinho HDM

Intermittent fasting regulates gut microbiota and serum metabolome profiles in middle-aged mice fed high-fat diet.

Nutrition & metabolism , Volume: 22 Issue: 1 2025 Feb 25

Authors Li Z,Chen S,Yin B,Wei J,Wang D,Zhou H,Sun Z

Correlation between daily physical activity and intestinal microbiota in perimenopausal women.

Sports medicine and health science , Volume: 7 Issue: 3 2025 May

Authors Zheng Y,Ke J,Song J,Li X,Kuang R,Wang H,Li S,Li Y

Carbon dioxide enhances Akkermansia muciniphila fitness and anti-obesity efficacy in high-fat diet mice.

The ISME journal , 2025 Feb 23

Authors Wang X,Yang Q,Shi C,Wang Y,Guo D,Wan X,Dong P,Zhang Q,Hu Y,Zhang R,Yang H,Chen W,Liu Z

Sodium alginate alleviated isoniazid-induced liver injury by modulating fecal metabolites and gut microbiota.

International journal of biological macromolecules , Volume: 305 Issue: Pt 1 2025 Feb 15

Authors Wang X,Zhang J,Xia X,Fang Y,Yang L,Zhou Y,Hu S,Jiang L,Xiong K,Wang J

Human milk oligosaccharides 2'-fucosyllactose and 3-fucosyllactose attenuate ovalbumin-induced food allergy through immunoregulation and gut microbiota modulation.

Food & function , Volume: 16 Issue: 4 2025 Feb 17

Authors Wu S,Chen H,Yu R,Li H,Zhao J,Stanton C,Paul Ross R,Chen W,Yang B

Synergistic defecation effects of Bifidobacterium animalis subsp. lactis BL-99 and fructooligosaccharide by modulating gut microbiota.

Frontiers in immunology , Volume: 15 2024

Authors Zhang Q,Zhao W,Luo J,Shi S,Niu X,He J,Wang Y,Zeng Z,Jiang Q,Fang B,Chen J,Li Y,Wang F,He J,Guo J,Zhang M,Zhang L,Ge S,Hung WL,Wang R

Inulin alleviates chronic ketamine-induced impairments in memory and prepulse inhibition by regulating the gut microbiota, inflammation, and kynurenine pathway.

International journal of biological macromolecules , Volume: 294 2025 Mar

Authors Xu Z,Lu H,Hu C,Wen Y,Shang D,Gan T,Guo Z,Dai L,Luo Y

Fecal Metaproteomics as a Tool to Monitor Functional Modifications Induced in the Gut Microbiota by Ketogenic Diet: A Case Study.

Proteomics , 2025 Jan 5

Authors Tanca A,Masia S,Giustacchini P,Uzzau S

The relationship between a high-fat diet, gut microbiome, and systemic chronic inflammation: insights from integrated multiomics analysis.

The American journal of clinical nutrition , Volume: 121 Issue: 3 2025 Mar

Authors Du Z,Liu X,Xie Z,Wang Q,Lv Z,Li L,Wang H,Xue D,Zhang Y

Resveratrol and β -hydroxy- β -methylbutyric acid supplementation promotes ileal development and digestive function by altering microbial community abundance and metabolites in Tibetan sheep.

Frontiers in veterinary science , Volume: 11 2024

Authors Gan J, Ji Q, Su Q, Hou S, Gui L

Oral administration of Bifidobacterium longum and Bifidobacterium infantis ameliorates cefcapene pivoxil-induced attenuation of anti-programmed cell death protein-1 antibody action in mice.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 182 2025 Jan

Authors Funayama E,Hosonuma M,Tajima K,Isobe J,Baba Y,Murayama M,Narikawa Y,Toyoda H,Tsurui T,Maruyama Y,Sasaki A,Amari Y,Yamazaki Y,Nakashima R,Uchiyama J,Nakano R,Shida M,Sasaki A,Udaka Y,Oguchi T,Sambe T,Kobayashi S,Tsuji M,Kiuchi Y,Kim YG,Wada S,Tsunoda T,Akiyama M,Nobe K,Kuramasu A,Yoshimura K

Antimicrobial activities of seasonally collected bee products: honey, propolis, royal jelly, venom, and mellitin.

Brazilian journal of biology = Revista brasileira de biología , Volume: 84 2024

Authors Obeidat M,Haddad MA,Ghnamat SA

Amelioration of inflammatory bowel disease by Bifidobacterium animalis subsp. lactis XLTG11 in combination with mesalazine.

Frontiers in microbiology , Volume: 15 2024

Authors Ma W,Wu Y,Lin X,Yang L,Huang L

Chia Oil (Salvia hispanica L.) Improves the Intestinal Health of Wistar Rats Fed a Hypercaloric Diet.

Journal of the American Nutrition Association , 2024 Dec 17

Authors Moraes VN,Moreira LPD,Gomes MJC,Grancieri M,Lucio HG,Toledo RCL,Mishima MDV,Costa NMB,da Silva BP,Stampini Duarte Martino H

Pepper power: short-term impact of pepper consumption on the gut bacteriome composition in healthy volunteers.

PeerJ , Volume: 12 2024

Authors Owolo O,Audu HJ,Afolayan AO,Ayeni FA

Clinical Efficacy of Probiotics for Allergic Rhinitis: Results of an Exploratory Randomized Controlled Trial.

Nutrients , Volume: 16 Issue: 23 2024 Nov 30

Authors Lungaro L,Malfa P,Manza F,Costanzini A,Valentini G,Squarzanti DF,Viciani E,Velichevskaya A,Castagnetti A,Barbalinardo M,Gentili D,Cariani A,Ghisellini S,Caputo F,De Giorgio R,Caio G

Polyphenols-rich Portulaca oleracea L. (purslane) alleviates ulcerative colitis through restoring the intestinal barrier, gut microbiota and metabolites.

Food chemistry , Volume: 468 2025 Mar 15

Authors Li Z,Chu T,Sun X,Zhuang S,Hou D,Zhang Z,Sun J,Liu Y,Li J,Bian Y

Wheat β -glucan reduces obesity and hyperlipidemia in mice with high-fat and high-salt diet by regulating intestinal flora.

International journal of biological macromolecules , Volume: 288 2025 Feb

Authors Li M,Wang Q,Zhang X,Li K,Niu M,Zhao S

Polysaccharides from Lycium barbarum, yam, and sunflower ameliorate colitis in a structure and intrinsic flora-dependent manner.

Carbohydrate polymers , Volume: 349 Issue: Pt A 2025 Feb 1

Authors Zhang S,Zhou R,Xie X,Xiong S,Li L,Li Y

Omic characterizing and targeting gut dysbiosis in children with autism spectrum disorder: symptom alleviation through combined probiotic and medium-carbohydrate diet intervention - a pilot study.

Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec

Authors Li Y,Hu W,Lin B,Ma T,Zhang Z,Hu W,Zhou R,Kwok LY,Sun Z,Zhu C,Zhang H

Gut microbiota and mycobiota change with feeding duration in mice on a high-fat and high-fructose diet.

BMC microbiology , Volume: 24 Issue: 1 2024 Nov 29

Authors Zheng R,Xiang X,Shi Y,Xie J,Xing L,Zhang T,Zhou Z,Zhang D

The probiotic Lactobacillus plantarum alleviates colitis by modulating gut microflora to activate PPAR γ and inhibit MAPKs/NF- κ B.

European journal of nutrition , Volume: 64 Issue: 1 2024 Nov 28

Authors Zang R,Zhou R,Li Y,Wu H,Lu L,Xu H

Effect of Postbiotic Bifidobacterium longum CECT 7347 on Gastrointestinal Symptoms, Serum Biochemistry, and Intestinal Microbiota in Healthy Adults: A Randomised, Parallel, Double-Blind, Placebo-Controlled Pilot Study.

Nutrients , Volume: 16 Issue: 22 2024 Nov 19

Authors Naghibi M,Pont-Beltran A,Lamelas A,Llobregat L,Martinez-Blanch JF,Rojas A,Álvarez B,López Plaza B,Arcos Castellanos L,Chenoll E,Vijayakumar V,Day R

Correction: Kommerein et al. Antiplanktonic and Antibiofilm Activity of Rheum palmatum Against Streptococcus oralis and Porphyromonas gingivalis. Microorganisms 2022, 10, 965.

Microorganisms , Volume: 12 Issue: 11 2024 Oct 25

Authors Kommerein N,Vierengel N,Groß J,Opatz T,Al-Nawas B,Müller-Heupt LK

In-Vitro Antimicrobial Activities of Grape Seed, Green Tea, and Rosemary Phenolic Extracts Against Liver Abscess Causing Bacterial Pathogens in Cattle.

Microorganisms , Volume: 12 Issue: 11 2024 Nov 11

Authors Salih HM,Amachawadi RG,Kang Q,Li Y,Nagaraja TG

Generalized Ketogenic Diet Induced Liver Impairment and Reduced Probiotics Abundance of Gut Microbiota in Rat.

Biology , Volume: 13 Issue: 11 2024 Nov 4

Authors Song G,Song D,Wang Y,Wang L,Wang W

Probiotic-Loaded Bacterial Cellulose as an Alternative to Combat Carbapenem-Resistant Bacterial Infections.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 11 2024 Oct 25

Authors Gutiérrez-Fernández J, Cerezo-Collado L, Garcés V, Alarcón-Guijo P, Delgado-López JM, Domínguez-Vera JM

Tea Polyphenols Reduced Obesity by Modulating Gut Microbiota-SCFAs-Barrier and Inflammation in High-Fat Diet-Induced Mice.

Molecular nutrition & food research , Volume: 68 Issue: 24 2024 Dec

Authors Tian B, Huang P, Pan Y, Gu H, Yang K, Wei Z, Zhang X

Supplementation with inulin reverses cognitive flexibility alterations and modulates the gut microbiota in high-fat-fed mice.

Frontiers in behavioral neuroscience , Volume: 18 2024

Authors González-Velázquez G, Aguirre-Garrido JF, Oros-Pantoja R, Salinas-Velarde ID, Contreras I, Estrada JA, Soto-Piña AE

Galacto-oligosaccharides regulate intestinal mucosal sialylation to counteract antibiotic-induced mucin dysbiosis.

Food & function , Volume: 15 Issue: 24 2024 Dec 9

Authors Xu L, Li X, Han S, Mu C, Zhu W

Bifidobacterium longum BL-19 inhibits oxidative stress and inflammatory damage in the liver of mice with NAFLD by regulating the production of butyrate in the intestine.

Food science & nutrition , Volume: 12 Issue: 9 2024 Sep

Authors Zhang X, Xu J, Dong X, Tang J, Xie Y, Yang J, Zou L, Wu L, Fan J

2'-Fucosyllactose ameliorates aging-related osteoporosis by restoring gut microbial and innate immune homeostasis.

Journal of advanced research , 2024 Nov 14

Authors Li A, Kou R, Wang J, Zhang B, Zhang Y, Liu J, Hu Y, Wang S

Correlation between intestinal microbiota and urolithin metabolism in a human walnut dietary intervention.

BMC microbiology , Volume: 24 Issue: 1 2024 Nov 15

Authors Liu H, Birk JW, Provatas AA, Vaziri H, Fan N, Rosenberg DW, Gharaibeh RZ, Jobin C

Timing Matters: Late, but Not Early, Exercise Training Ameliorates MASLD in Part by Modulating the Gut-Liver Axis in Mice.

Journal of pineal research , Volume: 76 Issue: 8 2024 Dec

Authors Kovynev A, Ying Z, Zhang S, Olgiati E, Lambooi JM, Visentin C, Guigas B, Ducarmon QR, Rensen PCN, Schöнке M

Intermittent Fasting Improves Insulin Resistance by Modulating the Gut Microbiota and Bile Acid Metabolism in Diet-Induced Obesity.

Molecular nutrition & food research , 2024 Nov 9

Authors Lei S, Liu G, Wang S, Zong G, Zhang X, Pan L, Han J

The Impact of Fermented Milk Products Containing Bifidobacterium longum BB536 on the Gut Environment: A Randomized Double-Blind Placebo-Controlled Trial.

Nutrients , Volume: 16 Issue: 21 2024 Oct 22

Authors Ejima R, Mishima R, Sen A, Yamaguchi K, Mitsuyama E, Kaneko H, Kimura M, Arai S, Muto N, Hiraku A, Kato K, Kuwano Y, Maruyama H, Nakamura M, Iwabuchi N, Nakano M, Odamaki T, Tanaka M

Six months of different exercise type in sedentary primary schoolchildren: impact on physical fitness and saliva microbiota composition.

Frontiers in nutrition , Volume: 11 2024

Authors Mancini A, Vitucci D, Lasorsa VA, Lupo C, Brustio PR, Capasso M, Orrù S, Rainoldi A, Schena F, Buono P

Lactobacillus rhamnosus modulates murine neonatal gut microbiota and inflammation caused by pathogenic Escherichia coli.

BMC microbiology , Volume: 24 Issue: 1 2024 Nov 6

Authors Xuan H, Umar S, Zhong C, Yu W, Ahmed I, Wheatley JL, Sampath V, Chavez-Bueno S

Pediococcus pentosaceus RC007 and Saccharomyces boulardii RC009 as antibiotic alternatives for gut health in post-weaning pigs.

Journal of applied microbiology , 2024 Nov 5

Authors Parada J, Magnoli A, Poloni V, Isgro MC, Cavaglieri LR, Luna MJ, Carranza A, Cavaglieri L

Integrated Small Intestine Microbiota and Serum Metabolomics Reveal the Potential Mechanisms of Wine Steaming in Alleviating Rhubarb-Induced Diarrhea.

Journal of inflammation research , Volume: 17 2024

Authors Bai YY, Tian R, Qian Y, Zhang Q, Zhao CB, Yan YG, Zhang L, Yue SJ, Tang YP

Growth assessment of mixed cultures of probiotics and common pathogens.

Anaerobe , 2023 Oct 28

Authors Fredua-Agyeman M, Stapleton P, Gaisford S

Microbiota-Focused Dietary Approaches to Support Health: A Systematic Review.

The Journal of nutrition , Volume: 155 Issue: 2 2025 Feb

Authors Hindle VK, Veasley NM, Holscher HD

Gastroprotective effects of Pediococcus acidilactici GKA4 and Lactobacillus brevis GKL93 against ethanol-induced gastric ulcers via regulation of the immune response and gut microbiota in mice.

Food & function , Volume: 15 Issue: 23 2024 Nov 25

Authors Huang YE,Chen SY,Li TJ,Tsai YS,Chen CC,Yen GC

Effects of Thyme (*Thymus vulgaris*) Essential Oil on Bacterial Growth and Expression of Some Virulence Genes in *Salmonella enterica* Serovar Enteritidis.

Veterinary medicine and science , Volume: 10 Issue: 6 2024 Nov

Authors Hassanzadeh M,Mirzaie S,Pirmahalle FR,Yahyaaray R,Razmyar J

Potential probiotic *Lactiplantibacillus plantarum* strains alleviate TNF- α by regulating ADAM17 protein and ameliorate gut integrity through tight junction protein expression in in vitro model.

Cell communication and signaling : CCS , Volume: 22 Issue: 1 2024 Oct 28

Authors Devi MB,Bhattacharya A,Kumar A,Singh CT,Das S,Sarma HK,Mukherjee AK,Khan MR

Comparison of the Gut Microbiota of Patients Who Improve with Antibiotic Combination Therapy for Ulcerative Colitis and Those Who Do Not: Investigation by Fecal Metagenomic Analyses.

Nutrients , Volume: 16 Issue: 20 2024 Oct 16

Authors Ohkusa T,Kato K,Sekizuka T,Sugiyama T,Sato N,Kuroda M

Bifidogenic Effect of Human Milk Oligosaccharides on Pediatric IBD Fecal Microbiota.

Microorganisms , Volume: 12 Issue: 10 2024 Sep 30

Authors Otaru N,Bajic D,Van den Abbeele P,Vande Velde S,Van Biervliet S,Steinert RE,Rehman A

Effects of Different Levels of Green Tea Powder on Performance, Antioxidant Activity, Egg Mass, Quality, and Cecal Microflora of Chickens.

Animals : an open access journal from MDPI , Volume: 14 Issue: 20 2024 Oct 18

Authors Luo W,Tan Q,Li H,Ye T,Xiao T,Tian X,Wang W

Antimicrobial Activity of Honey and Propolis from Alba County, Romania.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 10 2024 Oct 10

Authors Vica ML,Glevitzky M,Dumitrel GA,Popa M,Glevitzky I,Teodoru CA

Characterization of thyme essential oil microcapsules and potato starch/pectin composite films and their impact on the quality of chilled mutton.

Food chemistry , Volume: 464 Issue: Pt 2 2025 Feb 1

Authors Wang J,Li L,Li Y,Song Q,Hu Y,Wang Q,Lu S

Mechanistic insights into EGCG's preventive effects on obesity-induced precocious puberty through multi-omics analyses.

Food & function , Volume: 15 Issue: 22 2024 Nov 11

Authors Gu Q,Du Q,Xia L,Lu X,Wan X,Shao Y,He J,Wu P

Impact of Long-term Fasting on Breath Volatile Sulphur Compounds, Inflammatory Markers and Saliva Microbiota Composition.

Oral health & preventive dentistry , Volume: 22 2024 Oct 24

Authors Loumé A,Grundler F,Wilhelmi de Toledo F,Giannopoulou C,Mesnager R

Development and Assessment of a Multipurpose Herbal Cream With *Moringa oleifera* Lam.

Cureus , Volume: 16 Issue: 9 2024 Sep

Authors Suresh M,Mukundan SK,Rajasekar S,Gokulakrishnan S,Purushothaman N,Sethuraman SP

Association of glycerolipid metabolism with gut microbiota disturbances in a hamster model of high-fat diet-induced hyperlipidemia.

Frontiers in cellular and infection microbiology , Volume: 14 2024

Authors Han L,Hu C,Du Z,Yu H,Du Y,Li L,Li F,Wang Y,Gao X,Sun X,Zhang Z,Qin Y

Resource sharing of an infant gut microbiota synthetic community in combinations of human milk oligosaccharides.

The ISME journal , Volume: 18 Issue: 1 2024 Jan 8

Authors Ioannou A,Berkhout MD,Scott WT Jr,Blijenberg B,Boeren S,Mank M,Knol J,Belzer C

A comprehensive update on the immunoregulatory mechanisms of *Akkermansia muciniphila*: insights into active ingredients, metabolites, and nutrient-driven modulation.

Critical reviews in food science and nutrition , 2024 Oct 16

Authors Mei L,Wang J,Hao Y,Zeng X,Yang Y,Wu Z,Ji Y

Effect of Endurance Exercise Training on Gut Microbiota and ER Stress.

International journal of molecular sciences , Volume: 25 Issue: 19 2024 Oct 5

Authors Yoon EJ,Lee SR,Ortutu BF,Kim JO,Jaiswal V,Baek S,Yoon SI,Lee SK,Yoon JH,Lee HJ,Cho JA

Effects of xylo-oligosaccharide supplementation on the production performance, intestinal morphology, cecal short-chain fatty acid levels, and gut microbiota of laying hens.

Poultry science , Volume: 103 Issue: 12 2024 Dec

Authors Xiong S,Zhang K,Wang J,Bai S,Zeng Q,Liu Y,Peng H,Xuan Y,Mu Y,Tang X,Ding X

Fructo-oligosaccharides promote butyrate production over citrus pectin during in vitro fermentation by colonic inoculum from pig.

Anaerobe , Volume: 90 2024 Oct 9

Authors Zhang Y,Mu C,Yu K,Su Y,Zoetendal EG,Zhu W

Oral delivery of electrohydrodynamically encapsulated *Lactiplantibacillus plantarum* CRD7 modulates gut health, antioxidant activity, and cytokines-related inflammation and immunity in mice.

Food & function , 2024 Oct 11

Authors Varada VV,Kumar S,Balaga S,Thanippilly AJ,Pushpadass HA,M RH,Jangir BL,Tyagi N,Samanta AK

Effects of iron supplements and iron-containing micronutrient powders on the gut microbiome in Bangladeshi infants: a randomized controlled trial.

Nature communications , Volume: 15 Issue: 1 2024 Oct 5

Authors Baldi A,Braat S,Hasan MI,Bennett C,Barrios M,Jones N,Abdul Azeez I,Wilcox S,Roy PK,Bhuiyan MSA,Ataide R,Clucas D,Larson LM,Hamadani J,Zimmermann M,Bowden R,Jex A,Biggs BA,Pasricha SR

Garlic Bioconverted by *Bacillus subtilis* Stimulates the Intestinal Immune System and Modulates Gut Microbiota Composition.

Molecular nutrition & food research , Volume: 68 Issue: 20 2024 Oct

Authors Tonog G,Yu H,Moon SK,Lee S,Jeong H,Kim HS,Kim KB,Suh HJ,Kim H

Alginate Oligosaccharides Enhance Gut Microbiota and Intestinal Barrier Function, Alleviating Host Damage Induced by Deoxynivalenol in Mice.

The Journal of nutrition , Volume: 154 Issue: 11 2024 Nov

Authors Mi J,Tong Y,Zhang Q,Wang Q,Wang Y,Wang Y,Lin G,Ma Q,Li T,Huang S

Gastrointestinal microbiota and metabolites responses to dietary cereal grains in an adult pig model.

Frontiers in microbiology , Volume: 15 2024

Authors Feng G,Deng M,Li R,Hou G,Ouyang Q,Jiang X,Liu X,Tang H,Chen F,Pu S,Wan D,Yin Y

Combination of *Lactiplantibacillus Plantarum* ELF051 and *Astragalus* Polysaccharides Improves Intestinal Barrier Function and Gut Microbiota Profiles in Mice with Antibiotic-Associated Diarrhea.

Probiotics and antimicrobial proteins , 2024 Oct 1

Authors Zhong B,Liang W,Zhao Y,Li F,Zhao Z,Gao Y,Yang G,Li S

Effect of Purified Resveratrol Butyrate Ester Monomers against Hypertension after Maternal High-Fructose Intake in Adult Offspring.

Nutrients , Volume: 16 Issue: 18 2024 Sep 17

Authors Tain YL,Hou CY,Tzeng HT,Lin SF,Chang-Chien GP,Lee WC,Wu KLH,Yu HR,Chan JYH,Hsu CN

Candidate-Probiotic *Lactobacilli* and Their Postbiotics as Health-Benefit Promoters.

Microorganisms , Volume: 12 Issue: 9 2024 Sep 19

Authors Dobрева L,Atanasova N,Donchev P,Krumova E,Abrashev R,Karakirova Y,Mladenova R,Tolchkov V,Ralchev N,Dishliyska V,Danova S

Synthesis of Tellurium Nanoparticles Using *Moringa oleifera* Extract, and Their Antibacterial and Antibiofilm Effects against Bacterial Pathogens.

Microorganisms , Volume: 12 Issue: 9 2024 Sep 6

Authors Ao B,Jiang H,Cai X,Liu D,Tu J,Shi X,Wang Y,He F,Lv J,Li J,Hu Y,Xia X,Hou J

Impacts of Whole-Grain Soft Red, Whole-Grain Soft White, and Refined Soft White Wheat Flour Crackers on Gastrointestinal Inflammation and the Gut Microbiota of Adult Humans.

Biology , Volume: 13 Issue: 9 2024 Aug 30

Authors Kinney GA,Haddad EN,Gopalakrishnan N,Sugino KY,Garrow LS,Ng PKW,Comstock SS

Mechanism of synergistic action of colistin with resveratrol and baicalin against mcr-1-positive *Escherichia coli*.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 180 2024 Nov

Authors Cheng P,Sun Y,Wang B,Liang S,Yang Y,Gui S,Zhang K,Qu S,Li L

Aged garlic oligosaccharides modulate host metabolism and gut microbiota to alleviate high-fat and high-cholesterol diet-induced atherosclerosis in ApoE(-/-) mice.

Food chemistry , Volume: 463 Issue: Pt 3 2025 Jan 15

Authors Wang X,Cui J,Gu Z,Guo L,Liu R,Guo Y,Qin N,Yang Y

Lactobacillus plantarum alleviates high-fat diet-induced obesity by altering the structure of mice intestinal microbial communities and serum metabolic profiles.

Frontiers in microbiology , Volume: 15 2024

Authors Zhu J,Liu X,Liu N,Zhao R,Wang S

Soybean oil induces neuroinflammatory response through brain-gut axis under high-fat diet.

Journal of traditional and complementary medicine , Volume: 14 Issue: 5 2024 Sep

Authors Liu X,Tao R,Guo F,Zhang L,Qu J,Li M,Wu X,Wang X,Zhu Y,Wen L,Wang J

Effect of oral metformin on gut microbiota characteristics and metabolite fractions in normal-weight type 2 diabetic mellitus patients.

Frontiers in endocrinology , Volume: 15 2024

Authors Niu X,Wang Y,Huang L,Guo P,Zhang S,Sun Y,Jin M

In vitro and ex vivo metabolism of chemically diverse fructans by bovine rumen Bifidobacterium and Lactobacillus species.

Animal microbiome , Volume: 6 Issue: 1 2024 Sep 9

Authors King ML,Xing X,Reintjes G,Klassen L,Low KE,Alexander TW,Waldner M,Patel TR,Wade Abbott D

Cytotoxicity assessment and antimicrobial effects of cell-free supernatants from probiotic lactic acid bacteria and yeast against multi-drug resistant Escherichia coli.

Letters in applied microbiology , Volume: 77 Issue: 9 2024 Sep 2

Authors Ozma MA,Ghotaslou R,Asgharzadeh M,Abbasi A,Rezaee MA,Kafil HS

Effects of inulin on intestinal flora and metabolism-related indicators in obese polycystic ovary syndrome patients.

European journal of medical research , Volume: 29 Issue: 1 2024 Aug 31

Authors Li X,Jiang B,Gao T,Nian Y,Bai X,Zhong J,Qin L,Gao Z,Wang H,Ma X

Heat-killed Bifidobacterium longum BBMN68 and inulin protect against high-fat diet-induced obesity by modulating gut microbiota.

Frontiers in nutrition , Volume: 11 2024

Authors Sun S,Zhang Q,Li D,Li H,Ma H,Wu X,Li Y,Wang P,Liu R,Feng H,Zhang Y,Sang Y,Fang B,Wang R

Effects of Physical Exercise on the Microbiota in Irritable Bowel Syndrome.

Nutrients , Volume: 16 Issue: 16 2024 Aug 11

Authors Li C,Li J,Zhou Q,Wang C,Hu J,Liu C

Effect of Saccharomyces boulardii on Liver Diseases: A Systematic Review.

Microorganisms , Volume: 12 Issue: 8 2024 Aug 15

Authors Maslennikov R,Benuni N,Levshina A,Adzhieva F,Demina T,Kucher A,Pervushova E,Yuryeva E,Poluektova E,Zolnikova O,Kozlov E,Sigidaev A,Ivashkin V

In Vitro and In Silico Studies of the Antimicrobial Activity of Prenylated Phenylpropanoids of Green Propolis and Their Derivatives against Oral Bacteria.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 8 2024 Aug 22

Authors Vieira TM,Barco JG,de Souza SL,Santos ALQ,Daoud I,Rahali S,Amdouni N,Bastos JK,Martins CHG,Ben Said R,Crotti AEM

Effects of Moringa oleifera Leaf Powder on the Growth Performance, Meat Quality, Blood Parameters, and Cecal Bacteria of Broilers.

Veterinary sciences , Volume: 11 Issue: 8 2024 Aug 14

Authors Akib MG,Rifat A,Bormon C,Dutta A,Ataheer MS,Azzam M,Farouk MH,Das R,Azad MAK,Mahfuz S

Lactocaseibacillus casei- and Bifidobacterium breve-fermented red pitaya promotes beneficial microbial proliferation in the colon.

Food & function , Volume: 15 Issue: 18 2024 Sep 16

Authors Cao L,Wan M,Xian Z,Zhou Y,Dong L,Huang F,Su D

Gut microbiome related to metabolic diseases after moderate-to-vigorous intensity exercise.

Journal of exercise science and fitness , Volume: 22 Issue: 4 2024 Oct

Authors Yun S,Seo Y,Lee Y,Lee DT

Examination of sex-specific interactions between gut microbiota and host metabolism after 12-week combined polyphenol supplementation in individuals with overweight or obesity.

Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec

Authors Jardon KM,Goossens GH,Most J,Galazzo G,Venema K,Penders J,Blaak EE

Role and mechanism of Lactobacillus casei in the modulation of alcohol preference in mice.

International immunopharmacology , Volume: 141 2024 Nov 15

Authors Li Y,Yang J,Guo L

Interactions between soluble dietary fibers from three edible fungi and gut microbiota.

International journal of biological macromolecules , Volume: 278 Issue: Pt 3 2024 Oct

Authors Dong H,Zhuang H,Yu C,Zhang X,Feng T

Effect of digested chia seed protein on the gut microbiota and colon morphology of mice fed a high-saturated-fat diet.

Food & function , Volume: 15 Issue: 18 2024 Sep 16

Authors Grancieri M,de São José VPB,Toledo RCL,Verediano TA,Sant'Ana C,Lúcio HG,Gonzalez de Mejia E,Martino HSD

Yeast mixture supplementation modulates faecal microbiota and ileum morphology of weaning pigs.

Animal : an international journal of animal bioscience , Volume: 18 Issue: 9 2024 Sep

Authors Sandrini S,Perricone V,Cremonesi P,Castiglioni B,Biscarini F,Verdile N,Brevini T,Comi M,Jiang X,Agazzi A

Oral aged garlic (Allium sativum) alleviates ulcerative colitis in mice by improving gut homeostasis.

Food & function , Volume: 15 Issue: 17 2024 Aug 27

Authors Han D,Guan X,Zhu F,Yang Q,Su D

Comparative Evaluation of Antibacterial Efficacy and Remineralization Potential of Acidulated Phosphate Fluoride Gel with Herbal Dental Gel Containing Zingiber officinale, Salvadora persica, and Cinnamomum zeylanicum: An In Vitro Study.

International journal of clinical pediatric dentistry , Volume: 17 Issue: 3 2024 Mar

Authors Kohli N,Hugar SM,Hallikerimath S,Gokhale N,Kadam K,Soneta SP

Empirical Therapy Versus Tailored Therapy of Helicobacter pylori in Korea: Results of the K-CREATE Study.

Helicobacter , Volume: 29 Issue: 4 2024 Jul-Aug

Authors Kim JS,Kim BW,Kim JI,Chung WC,Jung SW,Bang CS,Kim GH,Jeon SW,Joo MK,Lee SH,Lim YJ,Sung JK,Seo SY,Park SY, Lee WS,Lee HL,Kim KB,Kim HU

Propolis as a functional food and promising agent for oral health and microbiota balance: A review study.

Food science & nutrition , Volume: 12 Issue: 8 2024 Aug

Authors Etebarian A,Alhouei B,Mohammadi-Nasrabadi F,Esfarjani F

Effects of varying wheat levels on growth performance, intestinal barrier, and cecal microbiota of broilers.

Frontiers in veterinary science , Volume: 11 2024

Authors Wang L,Wei B,Si X,Huang Y,Zhang H,Chen W

Moringa leaf meal exerts growth benefits in small ruminants through modulating the gastrointestinal microbiome.

Applied microbiology and biotechnology , Volume: 108 Issue: 1 2024 Aug 12

Authors Nehra C,Harshini V,Shukla N,Chavda P,Savaliya K,Patil S,Shah T,Pandit R,Patil NV,Patel AK,Kachhawaha S,Kumawat RN,Joshi M,Joshi CG

Alginate Oligosaccharides Enhance Antioxidant Status and Intestinal Health by Modulating the Gut Microbiota in Weaned Piglets.

International journal of molecular sciences , Volume: 25 Issue: 15 2024 Jul 23

Authors Liu M,Deng X,Zhao Y,Everaert N,Zhang H,Xia B,Schroyen M

Preventive effects of probiotics on dental caries in vitro and in vivo.

BMC oral health , Volume: 24 Issue: 1 2024 Aug 8

Authors Zhang J,Wang Q,Duan Z

Effects of bacteriocin-producing Lactiplantibacillus plantarum on bacterial community and fermentation profile of whole-plant corn silage and its in vitro ruminal fermentation, microbiota, and CH(4) emissions.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Aug 7

Authors Li Z,Usman S,Zhang J,Zhang Y,Su R,Chen H,Li Q,Jia M,Amole TA,Guo X

Lactacaseibacillus rhamnosus GG alleviates sleep deprivation-induced intestinal barrier dysfunction and neuroinflammation in mice.

Food & function , 2024 Aug 5

Authors Pang X,Zhou B,Wu J,Mo Q,Yang L,Liu T,Jin G,Zhang L,Liu X,Xu X,Wang B,Cao H

Effect of dietary Moringa oleifera on production performance and gut health in broilers.

Journal of advanced veterinary and animal research , Volume: 11 Issue: 2 2024 Jun

Authors Gul S,Hussain F,Taj R,Ullah A

Formulation of Garlic Essential Oil-assisted Silver Nanoparticles and Mechanistic Evaluation of their Antimicrobial Activity against a Spectrum of Pathogenic Microorganisms.

Current topics in medicinal chemistry , Volume: 24 Issue: 22 2024

Authors Sarangi A,Das BS,Panigrahi LL,Arakha M,Bhattacharya D

Postbiotics from Saccharomyces cerevisiae fermentation stabilize microbiota in rumen liquid digesta during grain-based subacute ruminal acidosis (SARA) in lactating dairy cows.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Aug 1

Authors Guo J,Zhang Z,Guan LL,Yoon I,Plaizier JC,Khafipour E

Hepatoprotective potential of four fruit extracts rich in different structural flavonoids against alcohol-induced liver injury via gut microbiota-liver axis.

Food chemistry , Volume: 460 Issue: Pt 2 2024 Dec 1

Authors Chen Y,Ma H,Liang J,Sun C,Wang D,Chen K,Zhao J, Ji S, Ma C,Ye X,Cao J,Wang Y,Sun C

Lactacaseibacillus casei IB1 Alleviates DSS-Induced Inflammatory Bowel Disease by Regulating the Microbiota and Restoring the Intestinal Epithelial Barrier.

Microorganisms , Volume: 12 Issue: 7 2024 Jul 6

Authors Lao J,Yan S,Yong Y,Li Y,Wen Z,Zhang X,Ju X,Li Y

The Contrasting Effects of Two Distinct Exercise Training Modalities on Exhaustive Exercise-Induced Muscle Damage in Mice May Be Associated with Alterations in the Gut Microbiota.

International journal of molecular sciences , Volume: 25 Issue: 14 2024 Jul 17

Authors Zhang Y,Wang C,Lang H,Yu H,Zhou M,Rao X,Zhang Q,Yi L,Zhu J,Mi M

In Vitro Antimicrobial Potential of Portuguese Propolis Extracts from Gerês against Pathogenic Microorganisms.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 7 2024 Jul 16

Authors Oliveira RD,Araújo C,Almeida-Aguiar C

Postbiotic mediators derived from Lactobacillus species enhance riboflavin-mediated antimicrobial photodynamic therapy

for eradication of Streptococcus mutans planktonic and biofilm growth.

BMC oral health , Volume: 24 Issue: 1 2024 Jul 24

Authors Pourhajibagher M,Ghafari HA,Bahador A

Improving insulin resistance by sulforaphane via activating the Bacteroides and Lactobacillus SCFAs-GPR-GLP1 signal axis.

Food & function , 2024 Jul 24

Authors Tian S,Lei Y,Zhao F,Che J,Wu Y,Lei P,Kang YE,Shan Y

Enhancing gut microbiota and microbial function with inulin supplementation in children with obesity.

International journal of obesity (2005) , 2024 Jul 20

Authors Visuthranukul C,Sriswasdi S,Tepaamorndech S,Chamni S,Leelahavanichkul A,Joyjinda Y,Aksornkitti V,Chomtho S

Effects of combined treatment with hydrogen-rich electrolyzed water and tea polyphenols on oxidative stress, intestinal injury and intestinal flora disruption in heat-stressed mice.

Journal of thermal biology , Volume: 123 2024 Jul

Authors Zang Y,Zhang B,Zhang G,Hu J,Shu D,Han J,Hu M,Tu M,Qiao W,Liu R,Zang Y

Effects of Lactiplantibacillus plantarum CCFM1214 and Ligilactobacillus salivarius CCFM1215 on halitosis: a double-blind, randomized controlled trial.

Food & function , 2024 Jul 19

Authors Ding L,Wang Y,Jiang Z,Tang X,Mao B,Zhao J,Chen W,Zhang Q,Cui S

Aging Modulates the Effect of Dietary Glycemic Index on Gut Microbiota Composition in Mice.

The Journal of nutrition , Volume: 154 Issue: 9 2024 Sep

Authors Zhu Y,Yeo EN,Smith KM,Greenberg AS,Rowan S

Modulation of Human Gut Microbiota In Vitro by Inulin-Type Fructan from Codonopsis pilosula Roots.

Indian journal of microbiology , Volume: 64 Issue: 2 2024 Jun

Authors Li J,Cao L, Ji J,Shen M,Gao J

The interplay between diet and the gut microbiome: implications for health and disease.

Nature reviews. Microbiology , 2024 Jul 15

Authors Ross FC,Patangia D,Grimaud G,Lavelle A,Dempsey EM,Ross RP,Stanton C

Apple polysaccharide improves age-matched cognitive impairment and intestinal aging through microbiota-gut-brain axis.

Scientific reports , Volume: 14 Issue: 1 2024 Jul 13

Authors Zhang W,Zhong Y,Wang Z,Tang F,Zheng C

Microencapsulated Lactobacillus plantarum promotes intestinal development through gut colonization of layer chicks.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 18 2024 Sep

Authors Cui Y,Liu Y,Yang J,Duan H,Wang P,Guo L,Guo Y,Li S,Zhao Y,Wang J,Qi G,Guan J

Modulation of human gut microbiota by linear and branched fructooligosaccharides in an in vitro colon model (TIM-2).

Journal of applied microbiology , Volume: 135 Issue: 7 2024 Jul 2

Authors Popov IV,Koopmans B,Venema K

The role of bound polyphenols in the anti-obesity effects of defatted rice bran insoluble dietary fiber: An insight from multi-omics.

Food chemistry , Volume: 459 2024 Nov 30

Authors Zheng B,Zhao X,Ao T,Chen Y,Xie J,Gao X,Liu L,Hu X,Yu Q

Resveratrol Alleviates Liver Fibrosis Induced by Long-Term Inorganic Mercury Exposure through Activating the Sirt1/PGC-1α Signaling Pathway.

Journal of agricultural and food chemistry , Volume: 72 Issue: 28 2024 Jul 17

Authors Li S,Han B,Li J,Lv Z,Jiang H,Liu Y,Yang X,Lu J,Zhang Z

Effect of Lactocaseibacillus casei LC2W Supplementation on Glucose Metabolism and Gut Microbiota in Subjects at High Risk of Metabolic Syndrome: A Randomized, Double-blinded, Placebo-controlled Clinical Trial.

Probiotics and antimicrobial proteins , 2024 Jul 2

Authors Wang D,Wang X,Han J,You C,Liu Z,Wu Z

Physical activity shifts gut microbiota structure in aged subjects with overweight/obesity and metabolic syndrome.

Biology of sport , Volume: 41 Issue: 3 2024 Jul

Authors Ruiz-Limón P,Muralidharan J,Gomez-Perez AM,Murri M,Vioque J,Corella D,Fitó M,Vidal J,Salas-Salvadó J,Torres-Collado L,Collé O,Atzeni A,Castañer O,Bulló M,Bernal-López MR,Moreno-Indias I,Tinahones FJ

Probiotic Lactobacillus rhamnosus GG improves insulin sensitivity and offspring survival via modulation of gut microbiota and serum metabolite in a sow model.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Jul 2

Authors Gao T,Li R,Hu L,Hu Q,Wen H,Zhou R,Yuan P,Zhang X,Huang L,Zhuo Y,Xu S,Lin Y,Feng B,Che L,Wu D,Fang Z

Metagenomic and metabolomic analysis showing the adverse risk-benefit trade-off of the ketogenic diet.

Lipids in health and disease , Volume: 23 Issue: 1 2024 Jun 29

Authors Qiu H,Kan C,Han F,Luo Y,Qu N,Zhang K,Ma Y,Hou N,Wu D,Sun X,Shi J

Prebiotic Potential of Goji Berry (Lycium barbarum) in Improving Intestinal Integrity and Inflammatory Profiles via Modification of the Gut Microbiota in High-Fat Diet-Fed Rats.

Journal of medicinal food , Volume: 27 Issue: 8 2024 Aug

Authors Jeong E,Eun S,Chae S, Lee S

Quercetin Alleviates Insulin Resistance and Repairs Intestinal Barrier in db/db Mice by Modulating Gut Microbiota.

Nutrients , Volume: 16 Issue: 12 2024 Jun 14

Authors Yuan M,Sun T,Zhang Y,Guo C,Wang F,Yao Z,Yu L

Procyanidin B1 and Coumaric Acid from Highland Barley Alleviated High-Fat-Diet-Induced Hyperlipidemia by Regulating PPAR α -Mediated Hepatic Lipid Metabolism and Gut Microbiota in Diabetic C57BL/6J Mice.

Foods (Basel, Switzerland) , Volume: 13 Issue: 12 2024 Jun 12

Authors Liu Z,Liu J,Tang R,Zhang Z,Tian S

Machine Learning Metabolomics Profiling of Dietary Interventions from a Six-Week Randomised Trial.

Metabolites , Volume: 14 Issue: 6 2024 May 29

Authors Kouraki A,Nogal A,Nocun W,Louca P,Vijay A,Wong K,Michelotti GA,Menni C,Valdes AM

Ameliorating effects of Orostachys japonica against high-fat diet-induced obesity and gut dysbiosis.

Journal of ethnopharmacology , Volume: 333 2024 Jun 21

Authors Chae YR, Lee HB, Lee YR, Yoo G, Lee E, Park M, Choi SY, Park HY

Metabolic and microbial mechanisms related to the effects of dietary wheat levels on intramuscular fat content in finishing pigs.

Meat science , Volume: 216 2024 Oct

Authors Wang J,Zhu H,Li H,Xia S,Zhang F,Liu C,Zheng W,Yao W

Fasting-Induced Molting Impacts the Intestinal Health by Altering the Gut Microbiota.

Animals : an open access journal from MDPI , Volume: 14 Issue: 11 2024 May 31

Authors Zhang H,Zhang Y,Gong Y,Zhang J,Li D,Tian Y,Han R,Guo Y,Sun G,Li W,Zhang Y,Zhao X,Zhang X,Wang P,Kang X,Jiang R

Lactobacillus plantarum-Derived Extracellular Vesicles Modulate Macrophage Polarization and Gut Homeostasis for Alleviating Ulcerative Colitis.

Journal of agricultural and food chemistry , Volume: 72 Issue: 26 2024 Jul 3

Authors Chen Q,Fang Z,Yang Z,Xv X,Yang M,Hou H,Li Z,Chen Y,Gong A

Amelioration of walnut, peony seed and camellia seed oils against D-galactose-induced cognitive impairment in mice by regulating gut microbiota.

Food & function , Volume: 15 Issue: 13 2024 Jul 1

Authors Kang T,Zheng J,Jiang C,Jin L,Li C,Chen B,Shen Y

Prebiotic galactooligosaccharide improves piglet growth performance and intestinal health associated with alterations of the hindgut microbiota during the peri-weaning period.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Jun 13

Authors Boston TE,Wang F,Lin X,Kim SW,Fellner V,Scott MF,Ziegler AL, Van Landeghem L,Blikslager AT,Odle J

Saccharomyces boulardii combined with triple therapy alter the microbiota in the eradication of Helicobacter pylori infection.

Scientific reports , Volume: 14 Issue: 1 2024 Jun 7

Authors Zhang Y,Lu B,Dong Y,Zhang Y,Du Q,Chen Y,Zhang Z

A host-microbial metabolite interaction gut-on-a-chip model of the adult human intestine demonstrates beneficial effects upon inulin treatment of gut microbiome.

Microbiome research reports , Volume: 3 Issue: 2 2024

Authors Donkers JM,Wiese M,van den Broek TJ,Wierenga E,Agamennone V,Schuren F,van de Steeg E

Intervention with fructooligosaccharides, Saccharomyces boulardii, and their combination in a colitis mouse model.

Frontiers in microbiology , Volume: 15 2024

Authors Wu Y,Fu H,Xu X,Jin H,Kao Q,Teng WL,Wang B,Zhao G,Pi XE

A novel Mediterranean diet-inspired supplement ameliorates cognitive, microbial, and metabolic deficits in a mouse model of low-grade inflammation.

Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec

Authors Pontifex MG,Connell E,Le Gall G,Lang L,Pourtau L,Gaudout D,Angeloni C,Zallocco L,Ronci M,Giusti L,Müller M,Vauzour D

Reduction in Serum Concentrations of Uremic Toxins Driven by Bifidobacterium Longum Subsp. Longum BL21 is Associated with Gut Microbiota Changes in a Rat Model of Chronic Kidney Disease.

Probiotics and antimicrobial proteins , 2024 Jun 3

Authors Dong Y,Gai Z,Han M,Xu J,Zou K

Heridium erinaceus polysaccharides ameliorate nonalcoholic fatty liver disease via gut microbiota and tryptophan metabolism regulation in an aged laying hen model.

International journal of biological macromolecules , Volume: 273 Issue: Pt 1 2024 Jun 1

Authors Wu L,Hu Z,Lv Y,Ge C,Luo X,Zhan S,Huang W,Shen X,Yu D,Liu B

Lactiplantibacillus plantarum JS19-adjunctly fermented goat milk alleviates D-galactose-induced aging by modulating oxidative stress and intestinal microbiota in mice.

Journal of dairy science , 2024 May 31

Authors He C,Mao Y,Wei L,Zhao A,Chen L,Zhang F,Cui X,Pan MH,Wang B

Unveiling the influence of a probiotic combination of Heyndrickxia coagulans and Lactocaseibacillus casei on healthy human gut microbiota using the TripleSHIME® system.

Microbiological research , Volume: 285 2024 Aug

Authors Goya-Jorge E,Gonza I,Bondue P,Druart G,Al-Chihab M,Boutaleb S,Douny C,Taminiau B,Daube G,Scippo ML,Thonart P,Delcenserie V

Gut microbiome remodeling and metabolomic profile improves in response to protein pacing with intermittent fasting versus continuous caloric restriction.

Nature communications , Volume: 15 Issue: 1 2024 May 28

Authors Mohr AE,Sweazea KL,Bowes DA,Jasbi P,Whisner CM,Sears DD,Krajmalnik-Brown R,Jin Y,Gu H,Klein-Seetharaman J,Arciero KM,Gumprecht E,Arciero PJ

Comparative study the alleviated effects of various oligosaccharides on colitis in mice.

International immunopharmacology , Volume: 135 2024 Jun 30

Authors Wang L,Pan Y,Zhang X,Ren X

Exercise Affects Mucosa-Associated Microbiota and Colonic Tumor Formation Induced by Azoxymethane in High-Fat-Diet-Induced Obese Mice.

Microorganisms , Volume: 12 Issue: 5 2024 May 9

Authors Yo S,Matsumoto H,Gu T,Sasahira M,Oosawa M,Handa O,Umegaki E,Shiotani A

Probiotics combined with atorvastatin administration in the treatment of hyperlipidemia: A randomized, double-blind, placebo-controlled clinical trial.

Medicine , Volume: 103 Issue: 21 2024 May 24

Authors Tian Y,Wu G,Zhao X,Zhang H,Ren M,Song X,Chang H,Jing Z

Lycium barbarum polysaccharide remodels colon inflammatory microenvironment and improves gut health.

Heliyon , Volume: 10 Issue: 10 2024 May 30

Authors Li R,Yang P,Liu B,Ye Z,Zhang P,Li M,Gong Y,Huang Y,Yang L,Li M

Maternal or post-weaning dietary fructo-oligosaccharide supplementation reduces stillbirth rate of sows and diarrhea of weaned piglets.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 17 2024 Jun

Authors Ma K,Su B,Li F,Li J,Nie J,Xiong W,Luo J,Huang S,Zhou T,Liang X,Li F,Deng J,Tan C

Bifidobacterium longum S3 alleviates loperamide-induced constipation by modulating intestinal acetic acid and stearic acid levels in mice.

Food & function , Volume: 15 Issue: 11 2024 Jun 4

Authors Zhang T,Lu H,Cheng T,Wang L,Wang G,Zhang H,Chen W

Nanoemulsion of cinnamon oil to combat colistin-resistant Klebsiella pneumoniae and cancer cells.

Microbial pathogenesis , Volume: 192 2024 Jul

Authors El-Sherbiny GM,Kalaba MH,Foda AM,M E S,Youssef ASE,A Elsehemy I,Farghal EE,El-Fakharany EM

Effects of fructooligosaccharides and Saccharomyces boulardii on the compositional structure and metabolism of gut microbiota in students.

Microbiological research , Volume: 285 2024 Aug

Authors Fu H,Chen Z,Teng W,Du Z,Zhang Y,Ye X,Yu Z,Zhang Y,Pi X

Antibiotic susceptibility pattern of Helicobacter pylori against eight antibiotics: A study from North India.

Helicobacter , Volume: 29 Issue: 3 2024 May-Jun

Authors Arfi S,Sharma P,Kumar M,Mehra S,Das K,Das R,Setya A

Mechanisms of epigallocatechin gallate (EGCG) in ameliorating hyperuricemia: insights into gut microbiota and intestinal function in a mouse model.

Food & function , Volume: 15 Issue: 11 2024 Jun 4

Authors Yu H,Lou Z,Wu T,Wan X,Huang H,Wu Y,Li B,Tu Y,He P,Liu J

Inulin supplementation exhibits increased muscle mass via gut-muscle axis in children with obesity: double evidence from clinical and in vitro studies.

Scientific reports , Volume: 14 Issue: 1 2024 May 16

Authors Visuthranukul C,Leelahavanichkul A,Tepaamorndech S,Chamni S,Mekangkul E,Chomtho S

Impact of whole grain highland hull-less barley on the denaturing gradient gel electrophoresis profiles of gut microbial communities in rats fed high-fat diets.

Microbiology spectrum , Volume: 12 Issue: 6 2024 Jun 4

Authors Xia X,Lu J,Chen X,Zhou L,Huang Y,Ding S,Li G

Anti-proliferative, antimicrobial, DFT calculations, and molecular docking 3D scaffold based on sodium alginate, chitosan, neomycin sulfate and hydroxyapatite.

International journal of biological macromolecules , Volume: 270 Issue: Pt 1 2024 Jun

Authors Dacrory S

Effects of garlic-derived fructan and oligofructose mixtures on intestinal health and constipation relief in mice.

Journal of the science of food and agriculture , Volume: 104 Issue: 12 2024 Sep

Authors Xie C,Gao W,Liang X,Chye FY

Human milk oligosaccharide 2'-fucosyllactose protects against high-fat diet-induced obesity by changing intestinal mucus production, composition and degradation linked to changes in gut microbiota and faecal proteome profiles in mice.

Gut , Volume: 73 Issue: 10 2024 Sep 9

Authors Paone P,Latousakis D,Terrasi R,Vertommen D,Jian C,Borlandelli V,Suriano F,Johansson MEV,Puel A,Bouzin C,Delzenne NM,Salonen A,Juge N,Florea BI,Muccioli GG,Overkleeft H,Van Hul M,Cani PD

Chlorogenic Acid/Linoleic Acid-Fortified Wheat-Resistant Starch Ameliorates High-Fat Diet-Induced Gut Barrier Damage by Modulating Gut Metabolism.

Journal of agricultural and food chemistry , Volume: 72 Issue: 20 2024 May 22

Authors Guo Q,Chen L,Liu Z,Zheng B

The impact of exercise on the gut microbiota in middle-aged amateur serious runners: a comparative study.

Frontiers in physiology , Volume: 15 2024

Authors Duan R,Liu Y,Zhang Y,Shi J,Xue R,Liu R,Miao Y,Zhou X,Lv Y,Shen H,Xie X,Ai X

The Mediterranean Diet, Its Microbiome Connections, and Cardiovascular Health: A Narrative Review.

International journal of molecular sciences , Volume: 25 Issue: 9 2024 Apr 30

Authors Abrignani V,Salvo A,Pacinella G,Tuttolomondo A

The effect of intermittent fasting on microbiota as a therapeutic approach in obesity.

Frontiers in nutrition , Volume: 11 2024

Authors Cadena-Ullauri S,Guevara-Ramírez P,Ruiz-Pozo VA,Tamayo-Trujillo R,Paz-Cruz E,Zambrano-Villacres R,Simancas-Racines D,Zambrano AK

A methyl esterase from Bifidobacterium longum subsp. longum reshapes the prebiotic properties of apple pectin by triggering differential modulatory capacity in faecal cultures.

Microbial biotechnology , Volume: 17 Issue: 5 2024 May

Authors Calvete-Torre I,Sabater C,Muñoz-Almagro N,Campelo AB,Moreno FJ,Margolles A,Ruiz L

An In Vitro Evaluation of the Effect of Bifidobacterium longum L556 on Microbiota Composition and Metabolic Properties in Patients with Coronary Heart Disease (CHD).

Probiotics and antimicrobial proteins , 2024 May 9

Authors Yang L,Wu Y,Zhao X,Liang T,Li L,Yang J,Jiang T,Zhang T,Zhang J,Zhong H,Xie X,Wu Q

Impact of medication dosage on Helicobacter pylori eradication rates among pediatric patients.

Journal of pediatric gastroenterology and nutrition , Volume: 79 Issue: 1 2024 Jul

Authors Andrews C,Herzlinger M,Riaz M,Liu E,Chan C,Bonilla S

Antimicrobial activity of Cinnamomum zeylanicum essential oil against colistin-resistant gram-negative bacteria.

International journal of environmental health research , 2024 May 2

Authors Ben Selma W,Ferjeni S,Farouk A,Marzouk M,Boukadida J

Effect of metformin and metformin/linagliptin on gut microbiota in patients with prediabetes.

Scientific reports , Volume: 14 Issue: 1 2024 Apr 27

Authors Martínez-López YE,Neri-Rosario D,Esquivel-Hernández DA,Padron-Manrique C,Vázquez-Jiménez A,Sánchez-Castañeda JP,Girón-Villalobos D,Mendoza-Ortiz C,Reyes-Escogido ML,Evia-Viscarra ML,Aguilar-García A,Resendis-Antonio O,Guardado-Mendoza R

Beneficial Effects of Dietary Fiber in Young Barley Leaf on Gut Microbiota and Immunity in Mice.

Molecules (Basel, Switzerland) , Volume: 29 Issue: 8 2024 Apr 22

Authors Chudan S,Kurakawa T,Nishikawa M,Nagai Y,Tabuchi Y,Ikushiro S,Furusawa Y

Bifidobacterium longum K5 Prevents Enterohaemorrhagic Escherichia coli O157:H7 Infection in Mice through the Modulation of the Gut Microbiota.

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

Authors Liu D,Li C,Cao T,Lv X,Yue Y,Li S,Cheng Y,Liu F,Huo G,Li B

Antitumor Effect and Gut Microbiota Modulation by Quercetin, Luteolin, and Xanthohumol in a Rat Model for Colorectal Cancer Prevention.

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

Authors Pérez-Valero Á,Magadán-Corpas P,Ye S,Serna-Diestro J,Sordon S,Huszczka E,Poplonski J,Villar CJ,Lombó F

In Vitro Fermentation Shows Polyphenol and Fiber Blends Have an Additive Beneficial Effect on Gut Microbiota States.

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

Authors Whitman JA,Doherty LA,Pantoja-Feliciano de Goodfellow IG,Racicot K,Anderson DJ,Kensil K,Karl JP,Gibson GR,Soares JW

[Bifidobacterium longum Subsp. infantis Promotes IgA Level of Growing Mice in a Strain-Specific and Intestinal Niche-Dependent Manner.](#)

Nutrients , Volume: 16 Issue: 8 2024 Apr 12

Authors Ding M,Li B,Chen H,Ross RP,Stanton C,Zhao J,Chen W,Yang B

[The Water Extract of Rhubarb Prevents Ischemic Stroke by Regulating Gut Bacteria and Metabolic Pathways.](#)

Metabolites , Volume: 14 Issue: 4 2024 Apr 12

Authors Liu X,Wang Y,Tian Y,Hu J,Liu Z,Ma Y,Xu W,Wang W,Gao J,Wang T

[Influence of Gelatin and Propolis Extract on Honey Gummy Jelly Properties: Optimization Using D-Optimal Mixture Design.](#)

Gels (Basel, Switzerland) , Volume: 10 Issue: 4 2024 Apr 21

Authors Kaewpetch K,Yolsuriyan S,Disayathanoowat T,Phokasem P,Jannu T,Renaldi G,Samakradhamrongthai RS

[Inulin has a beneficial effect by modulating the intestinal microbiome in a BALB/c mouse model.](#)

Beneficial microbes , Volume: 14 Issue: 4 2023 Sep 1

Authors Zhu Z,Hu C,Liu Y,Wang F,Zhu B

[Intake of compound probiotics accelerates the construction of immune function and gut microbiome in Holstein calves.](#)

Microbiology spectrum , Volume: 12 Issue: 6 2024 Jun 4

Authors Cai X,Yi P,Chen X,Wu J,Lan G,Li S,Luo S,Huang F,Huang J,Shen P

[Antiaging Effects of Human Fecal Transplants with Different Combinations of Bifidobacterium bifidum LTBB21J1 and Lactobacillus casei LTL1361 in d-Galactose-Induced Mice.](#)

Journal of agricultural and food chemistry , Volume: 72 Issue: 17 2024 May 1

Authors Zhou F,Zhang Q,Zheng X,Shi F,Ma K,ji F,Meng N,Li R,Lv J,Li Q

[Endurance exercise associated with a fructooligosaccharide diet modulates gut microbiota and increases colon absorptive area.](#)

Journal of gastroenterology and hepatology , Volume: 39 Issue: 6 2024 Jun

Authors Moura F,Romeiro C,Petriz B,Cavichioli N,Almeida JA,Castro A,Franco OL

[Obliteration of H. pylori infection through the development of a novel thyme oil laden nanoporous gastric floating microspunge.](#)

Heliyon , Volume: 10 Issue: 8 2024 Apr 30

Authors Jafar M,Ahmad Khan MS,Akbar MJ,AlSaihaty HS,Alasmari SS

[Efficacy of high-intensity interval and continuous endurance trainings on cecal microbiota metabolites and inflammatory factors in diabetic rats induced by high-fat diet.](#)

PloS one , Volume: 19 Issue: 4 2024

Authors Solouki S,Gorgani-Firuzjaee S,Jafary H,Delfan M

[Effects of Lactobacillus-fermented low-protein diets on the growth performance, nitrogen excretion, fecal microbiota and metabolomic profiles of finishing pigs.](#)

Scientific reports , Volume: 14 Issue: 1 2024 Apr 14

Authors Liu H,Wang S,Chen M,ji H,Zhang D

[Resveratrol Improves Hyperuricemia and Ameliorates Renal Injury by Modulating the Gut Microbiota.](#)

Nutrients , Volume: 16 Issue: 7 2024 Apr 7

Authors Zhou Y,Zeng Y,Wang R,Pang J,Wang X,Pan Z,Jin Y,Chen Y,Yang Y,Ling W

[Effects of Exercise on Gut Microbiota of Adults: A Systematic Review and Meta-Analysis.](#)

Nutrients , Volume: 16 Issue: 7 2024 Apr 5

Authors Min L,Ablitip A,Wang R,Luciana T,Wei M,Ma X

[Tea Polyphenol Epigallocatechin Gallate Protects Against Nonalcoholic Fatty Liver Disease and Associated Endotoxemia in Rats via Modulating Gut Microbiota Dysbiosis and Alleviating Intestinal Barrier Dysfunction and Related Inflammation.](#)

Journal of agricultural and food chemistry , 2024 Apr 12

Authors Zuo G,Chen M,Zuo Y,Liu F,Yang Y,Li J,Zhou X,Li M,Huang JA,Liu Z,Lin Y

[Effect of aerobic exercise and particulate matter exposure duration on the diversity of gut microbiota.](#)

Animal cells and systems , Volume: 28 Issue: 1 2024

Authors Imdad S,Kim JH,So B,Jang J,Park J,Lim W,Lee YK,Shin WS,Hillyer T,Kang C

[Cognitive behavioral and mindfulness with daily exercise intervention is associated with changes in intestinal microbial taxa and systemic inflammation in patients with Crohn's disease.](#)

Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec

Authors K I,Y M,A N,D S,G G,R S,D G,V S,N O,S M,F S,R S O,J M,G A M

[Effect of inulin, galacto-oligosaccharides, and polyphenols on the gut microbiota, with a focus on Akkermansia muciniphila.](#)

Food & function , Volume: 15 Issue: 9 2024 May 7

Authors Tian R,Yu L,Tian F,Zhao J,Chen W,Zhai Q

Antifungal mechanism of Lactiplantibacillus plantarum P10 against Aspergillus niger and its in-situ biopreservative application in Chinese steamed bread.

Food chemistry , Volume: 449 2024 Aug 15

Authors Ma M,Li A,Feng J,Wang Z,Jia Y,Ma X,Ning Y

Characterization of feline-originated probiotics Lactobacillus rhamnosus CACC612 and Bifidobacterium animalis subsp. lactis CACC789 and evaluation of their host response.

BMC veterinary research , Volume: 20 Issue: 1 2024 Apr 1

Authors Jang HJ,Kim JA,Kim Y

Polysaccharides from an edible mushroom, Hericium erinaceus, alleviate ulcerative colitis in mice by inhibiting the NLRP3 inflammasomes and reestablish intestinal homeostasis.

International journal of biological macromolecules , Volume: 267 Issue: Pt 1 2024 May

Authors Li H,Feng J,Liu C,Hou S,Meng J,Liu JY,Zilong S,Chang MC

Konjac Oligosaccharides Alleviated Ovariectomy-Induced Bone Loss through Gut Microbiota Modulation and Treg/Th17 Regulation.

Journal of agricultural and food chemistry , 2024 Mar 29

Authors Ai T,Shang L,Li B,Li J,Qin R

Responses of intestinal morphology, immunity, antioxidant status and cecal microbiota to the mixture of glycerol monolaurate and cinnamaldehyde in laying hens.

Poultry science , Volume: 103 Issue: 6 2024 Jun

Authors Chen MY,Duan YL,Zhu Y,Wang JH,Hu QB,Guo SS,Ding BY,Zhang ZF,Li LL

An Inulin-Type Fructan CP-A from Codonopsis pilosula Alleviated 5-Fluorouracil-Induced Intestinal Mucositis via the ERK/MILCK/MILC2 Pathway and Regulation of Gut Microbiota.

Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 3 2024 Feb 26

Authors Zhou J,Li D,Wang J,Cheng Z,Wang C,Zhang X,Xu X,Gao J

Dose-Responsive Effects of Iron Supplementation on the Gut Microbiota in Middle-Aged Women.

Nutrients , Volume: 16 Issue: 6 2024 Mar 10

Authors Shearer J,Shah S,MacInnis MJ,Shen-Tu G,Mu C

Relationships between Habitual Polyphenol Consumption and Gut Microbiota in the INCLD Health Cohort.

Nutrients , Volume: 16 Issue: 6 2024 Mar 8

Authors Vita AA,Roberts KM,Gundersen A,Farris Y,Zwickey H,Bradley R,Weir TL

Gut Microbiota and Inflammation Modulation in a Rat Model for Ulcerative Colitis after the Intraperitoneal Administration of Apigenin, Luteolin, and Xanthohumol.

International journal of molecular sciences , Volume: 25 Issue: 6 2024 Mar 12

Authors Magadán-Corpas P,Pérez-Valero Á,Ye S,Sordon S,Huszcza E,Poplonski J,Villar CJ,Lombó F

Dietary Polyphenols Support Akkermansia muciniphila Growth via Mediation of the Gastrointestinal Redox Environment.

Antioxidants (Basel, Switzerland) , Volume: 13 Issue: 3 2024 Feb 29

Authors Van Buiten CB,Seitz VA,Metcalf JL,Raskin I

The food additive xylitol enhances the butyrate formation by the child gut microbiota developed in a dynamic colonic simulator.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 187 2024 May

Authors Bellanco A,Celcar Š,Martínez-Cuesta MC,Requena T

Inulin protects against the harmful effects of dietary emulsifiers on mice gut microbiome.

PeerJ , Volume: 12 2024

Authors Bekar C,Ozmen O,Ozkul C,Ayaz A

Fructo-oligosaccharide supplementation enhances the growth of nursing dairy calves while stimulating the persistence of Bifidobacterium and hindgut microbiome's maturation.

Journal of dairy science , Volume: 107 Issue: 8 2024 Aug

Authors Gao Y,Zhang W,Zhang T,Yu Y,Mao S,Liu J

Human-derived bacterial strains mitigate colitis via modulating gut microbiota and repairing intestinal barrier function in mice.

BMC microbiology , Volume: 24 Issue: 1 2024 Mar 23

Authors Dai J,Jiang M,Wang X,Lang T,Wan L,Wang J

Associations Between Health Behaviors, Gastrointestinal Symptoms, and Gut Microbiota in a Cross-Sectional Sample of Cancer Survivors: Secondary Analysis from the Chemo-Gut Study.

Integrative cancer therapies , Volume: 23 2024 Jan-Dec

Authors Deleemans JM,Chleilat F,Reimer RA,Lawal OA,Baydoun M,Piedalue KA,Lowry DE,Carlson LE

Effect of Lactobacillus plantarum BFS1243 on a female frailty model induced by fecal microbiota transplantation in germ-

free mice.

Food & function , 2024 Mar 22

Authors Dong S,Zeng Q,He W,Cheng W,Zhang L,Zhong R,He W,Fang X,Wei H

Mannan-oligosaccharides promote gut microecological recovery after antibiotic disturbance.

Food & function , Volume: 15 Issue: 7 2024 Apr 2

Authors Chen J,Yin J,Xie H,Lu W,Wang H,Zhao J,Zhu J

Anti-inflammatory probiotics HF05 and HF06 synergistically alleviate ulcerative colitis and secondary liver injury.

Food & function , Volume: 15 Issue: 7 2024 Apr 2

Authors Liu C,Qi X,Liu X,Sun Y,Mao K,Shen G,Ma Y,Li Q

Bifidobacterium longum GLO01 alleviates rat intestinal ischemia-reperfusion injury by modulating gut microbiota composition and intestinal tissue metabolism.

Food & function , Volume: 15 Issue: 7 2024 Apr 2

Authors Tang J,Zhao M,Miao X,Chen H,Zhao B,Wang Y,Guo Y,Wang T,Cheng X,Ruan H,Zhang J

Prebiotic inulin ameliorates SARS-CoV-2 infection in hamsters by modulating the gut microbiome.

NPJ science of food , Volume: 8 Issue: 1 2024 Mar 14

Authors Song I,Yang J,Saito M,Hartanto T,Nakayama Y,Ichinohe T,Fukuda S

Targeting Gut Microbiome With Prebiotic in Patients With CKD: The TarGut-CKD Study.

Kidney international reports , Volume: 9 Issue: 3 2024 Mar

Authors Sohn MB,Gao B,Kendrick C,Srivastava A,Isakova T,Gassman JJ,Fried LF,Wolf M,Cheung AK,Raphael KL,Vinales PC,Middleton JP,Pabalan A,Raj DS,Pilot Studies in CKD Consortium

Diet Mediate the Impact of Host Habitat on Gut Microbiome and Influence Clinical Indexes by Modulating Gut Microbes and Serum Metabolites.

Advanced science (Weinheim, Baden-Wurtemberg, Germany) , 2024 Mar 13

Authors Zhang J,Qi H,Li M,Wang Z,Jia X,Sun T,Du S,Su C,Zhi M,Du W,Ouyang Y,Wang P,Huang F,Jiang H,Li L,Bai J,Wei Y,Zhang X,Wang H,Zhang B,Feng Q

Polyphenols Influence the Development of Endometrial Cancer by Modulating the Gut Microbiota.

Nutrients , Volume: 16 Issue: 5 2024 Feb 28

Authors Baranowska-Wójcik E,Winiarska-Mieczan A,Olcha P,Kwiecien M,Jachimowicz-Rogowska K,Nowakowski L,Miturski A,Galczyński K

Dynamics of Gut Microbiota and Short-Chain Fatty Acids during a Cycling Grand Tour Are Related to Exercise Performance and Modulated by Dietary Intake.

Nutrients , Volume: 16 Issue: 5 2024 Feb 27

Authors Fernandez-Sanjurjo M,Fernandez J,Martinez-Cambor P,Rodriguez-Alonso M,Ortolano-Rios R,Pinto-Hernandez P,Castilla-Silgado J,Coto-Vilcapoma A,Ruiz L,Villar CJ,Tomas-Zapico C,Margolles A,Fernandez-Garcia B,Iglesias-Gutierrez E,Lombó F

Correlation of Gut Microbiota with Children Obesity and Weight Loss.

Indian journal of microbiology , Volume: 64 Issue: 1 2024 Mar

Authors Peng LJ,Chen YP,Qu F,Zhong Y,Jiang ZS

The differential effect of two cereal foods on gut environment: a randomized, controlled, double-blind, parallel-group study.

Frontiers in nutrition , Volume: 10 2023

Authors Yamauchi Y,Masutomi H,Ishihara K,Hartanto T,Lee CG,Fukuda S

Screening competition and cross-feeding interactions during utilization of human milk oligosaccharides by gut microbes.

Microbiome research reports , Volume: 3 Issue: 1 2024

Authors Díaz R,Garrido D

Short term supplementation with cranberry extract modulates gut microbiota in human and displays a bifidogenic effect.

NPJ biofilms and microbiomes , Volume: 10 Issue: 1 2024 Mar 6

Authors Lessard-Lord J,Roussel C,Lupien-Meilleur J,Généreux P,Richard V,Guay V,Roy D,Desjardins Y

A modified Mediterranean-style diet enhances brain function via specific gut-microbiome-brain mechanisms.

Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec

Authors Park G,Kadyan S,Hochuli N,Pollak J,Wang B,Salazar G,Chakrabarty P,Efron P,Sheffler J,Nagpal R

Lycium barbarum L. Balanced intestinal flora with YAP1/FXR activation in drug-induced liver injury.

International immunopharmacology , Volume: 130 2024 Mar 30

Authors Lu J,Gao Y,Gong Y,Yue Y,Yang Y,Xiong Y,Zhang Y,Xiao Y,Wang H,Fan H,Shi X

Inhibitory Effects of Endemic Thyme's Thymol-Carvacrol Chemotype Essential Oil on Aspergillus Species with Free Radical Scavenging Properties.

Chemistry & biodiversity , Volume: 21 Issue: 5 2024 May

Authors Mirahmadi SF,Shayganfar A

The Effect of Oral Iron Supplementation/Fortification on the Gut Microbiota in Infancy: A Systematic Review and Meta-

Analysis.**Children (Basel, Switzerland) , Volume: 11 Issue: 2 2024 Feb 10**

Authors Karamantziani T,Pouliakis A,Xanthos T,Ekmektzoglou K,Paliatsiou S,Sokou R,Iacovidou N

2'-Fucosyllactose Promotes Colonization of Akkermansia muciniphila and Prevents Colitis In Vitro and in Mice.**Journal of agricultural and food chemistry , Volume: 72 Issue: 9 2024 Mar 6**

Authors Liu X,Zhang B,Zhang Y,Li W,Yin J,Shi A,Wang J,Wang S

Adjunctive efficacy of Bifidobacterium animalis subsp. lactis XLTG11 for functional constipation in children.**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 55 Issue: 2 2024 Jun**

Authors Chen K,Zhou Z,Nie Y,Cao Y,Yang P,Zhang Y,Xu P,Yu Q,Shen Y,Ma W,Jin S,Liu C

High-fat diet disrupts the gut microbiome, leading to inflammation, damage to tight junctions, and apoptosis and necrosis in Nyctereutes procyonoides intestines.**Microbiology spectrum , Volume: 12 Issue: 4 2024 Apr 2**

Authors Wei C,Xu T,Geng Y,Yang J,Lv H,Guo M-y

Inulin alters gut microbiota to alleviate post-stroke depressive-like behavior associated with the IGF-1-mediated MAPK signaling pathway.**Brain and behavior , Volume: 14 Issue: 1 2024 Jan**

Authors Shao R,Tan X,Pan M,Huang J,Huang L,Bi B,Huang X,Wang J,Li X

Synergistic antimicrobial interaction of plant essential oils and extracts against foodborne pathogens.**Food science & nutrition , Volume: 12 Issue: 2 2024 Feb**

Authors Angane M,Swift S,Huang K,Perera J,Chen X,Butts CA,Quek SY

Genome-scale metabolic modeling of the human milk oligosaccharide utilization by Bifidobacterium longum subsp. infantis.**mSystems , Volume: 9 Issue: 3 2024 Mar 19**

Authors Román L,Melis-Arcos F,Pröschle T,Saa PA,Garrido D

Milk to mucus: How B. fragilis colonizes the gut.**Cell host & microbe , Volume: 32 Issue: 2 2024 Feb 14**

Authors Olm MR,Mueller NT

Gut enterotype-dependent modulation of gut microbiota and their metabolism in response to xanthohumol supplementation in healthy adults.**Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec**

Authors Jamieson PE,Smart EB,Bouranis JA,Choi J,Danczak RE,Wong CP,Paraiso IL,Maier CS,Ho E,Sharpton TJ,Metz TO,Bradley R,Stevens JF

Potential mechanisms underlying inhibition of xenograft lung cancer models by kaempferol: modulation of gut microbiota in activating immune cell function.**Journal of Cancer , Volume: 15 Issue: 5 2024**

Authors Guan M,Xu W,Bai H,Geng Z,Yu Z,Li H,Liu T

Temporal variations in the gut microbial diversity in response to high-fat diet and exercise.**Scientific reports , Volume: 14 Issue: 1 2024 Feb 8**

Authors Imdad S,So B,Jang J,Park J,Lee SJ,Kim JH,Kang C

Anti-Diabetic Potentials of Lactobacillus Strains by Modulating Gut Microbiota Structure and β -Cells Regeneration in the Pancreatic Islets of Alloxan-Induced Diabetic Rats.**Probiotics and antimicrobial proteins , 2024 Feb 8**

Authors Kumar M,Muthurayar T,Karthika S,Gayathri S,Varalakshmi P,Ashokkumar B

Effect of Lactocaseibacillus paracasei K56 with galactooligosaccharide synbiotics on obese individuals: an in vitro fermentation model.**Journal of the science of food and agriculture , Volume: 104 Issue: 9 2024 Jul**

Authors Zhang Q,Zhao W,He J,He J,Shi S,Sun M,Niu X,Zeng Z,Zhao Y,Zhang Y,Wang P,Li Y,Zhang C,Duan S,Hung WL,Wang R

A polyphenol-rich plant extract prevents hypercholesterolemia and modulates gut microbiota in western diet-fed mice.**Frontiers in cardiovascular medicine , Volume: 11 2024**

Authors Langhi C,Vallier M,Bron A,Otero YF,Maura M,Le Joubioux F,Blomberg N,Giera M,Guigas B,Maugard T,Chassaing B,Peltier S,Blanquet-Diot S,Bard JM,Sirvent P

Study on the relationship between tea polyphenols alleviating osteoporosis and the changes of microorganism-metabolite-intestinal barrier.**Microbial pathogenesis , Volume: 188 2024 Mar**

Authors Wen X,Wu P,Li F,Pi G

Mitigation of high-fat diet-induced hepatic steatosis by thyme (Thymus quinquecostatus Celak) polyphenol-rich extract (TPE): insights into gut microbiota modulation and bile acid metabolism.**Food & function , 2024 Feb 2**

Authors Sheng X,Zhan P,Wang P,He W,Tian H

Temporal gut microbiota variability and association with dietary patterns: From the one-year observational Diet, Cancer, and Health - Next Generations MAX study.

The American journal of clinical nutrition , Volume: 119 Issue: 4 2024 Apr

Authors Rostgaard-Hansen AL,Esberg A,Dicksved J,Hansen T,Pelve E,Brunius C,Halkjær J,Tjønneland A,Johansson I,Landberg R

Mechanism of 2'-fucosyllactose degradation by human-associated Akkermansia.

Journal of bacteriology , Volume: 206 Issue: 2 2024 Feb 22

Authors Padilla L,Fricker AD,Luna E,Choudhury B,Hughes ER,Panzetta ME,Valdivia RH,Flores GE

The antioxidant strain Lactiplantibacillus plantarum AS21 and Clostridium butyricum ameliorate DSS-induced colitis in mice by remodeling the assembly of intestinal microbiota and improving gut functions.

Food & function , Volume: 15 Issue: 4 2024 Feb 19

Authors Li W,Zhang Y,Chen M,Guo X,Ding Z

Metformin exerts anti-liver fibrosis effect based on the regulation of gut microbiota homeostasis and multi-target synergy.

Heliyon , Volume: 10 Issue: 2 2024 Jan 30

Authors Kong L,Ma J,Dong L,Zhu C,Zhang J,Li J

Moringa oleifera Gum-Assisted Synthesis and Characterization of CoAg(x)Fe(2-x)O(4): Insight into Structural, Magnetic, Optical, and Biomedical Properties.

ACS omega , Volume: 9 Issue: 3 2024 Jan 23

Authors Tamboli QY,Patange SM,Mohanta YK,Patil AD,Ali R,Bushnak I,Zakde K

Argan: Phytochemical profiling and evaluation of the antioxidant, hypoglycemic, and antibacterial properties of its fruit pulp extracts.

Heliyon , Volume: 10 Issue: 1 2024 Jan 15

Authors Alaoui A,Sahri N,Mahdi I,Fahsi N,El Herradi EH,Sobeh M

Pediatric Autoimmune Neuropsychiatric Disorders Associated with Streptococcal Infections (PANDAS) Syndrome: A 10-Year Retrospective Cohort Study in an Italian Centre of Pediatric Rheumatology.

Microorganisms , Volume: 12 Issue: 1 2023 Dec 19

Authors La Bella S,Attanasi M,Di Ludovico A,Scorrano G>Mainieri F,Ciarelli F,Lauriola F,Silvestrini L,Girlando V,Chiarelli F,Breda L

Enhancing immune response, antioxidant capacity, and gut health in growing beagles through a chitooligosaccharide diet.

Frontiers in veterinary science , Volume: 10 2023

Authors Cheng G,Hu T,Zeng Y,Yan L,Liu Y,Wang Y,Xia J,Dong H,Chen D,Cheng T,Peng G,Zhang L

Bifidobacterium improves oestrogen-deficiency-induced osteoporosis in mice by modulating intestinal immunity.

Food & function , Volume: 15 Issue: 4 2024 Feb 19

Authors Zhang J,Liang X,Tian X,Zhao M,Mu Y,Yi H,Zhang Z,Zhang L

Structural characterization, antioxidant and antibacterial activity of three pectin polysaccharides from blueberry.

International journal of biological macromolecules , Volume: 262 Issue: Pt 1 2024 Mar

Authors Qiao Y,Shen Y,Jiang H,Li D,Li B

Lactobacillus plantarum attenuates glucocorticoid-induced osteoporosis by altering the composition of rat gut microbiota and serum metabolic profile.

Frontiers in immunology , Volume: 14 2023

Authors Li S,Han X,Liu N,Chang J,Liu G,Hu S

The Effect of Lactobacillus plantarum on the Fecal Microbiota, Short Chain Fatty Acids, Odorous Substances, and Blood Biochemical Indices of Cats.

Microorganisms , Volume: 12 Issue: 1 2024 Jan 2

Authors Han B,Liang S,Sun J,Tao H,Wang Z,Liu B,Wang X,Liu J,Wang J

Mechanism of Iron Ion Homeostasis in Intestinal Immunity and Gut Microbiota Remodeling.

International journal of molecular sciences , Volume: 25 Issue: 2 2024 Jan 5

Authors Bao H,Wang Y,Xiong H,Xia Y,Cui Z,Liu L

Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF- κ B Inflammasome Pathways and Regulating Intestinal Microbiota.

Foods (Basel, Switzerland) , Volume: 13 Issue: 2 2024 Jan 10

Authors Wen X,Peng H,Zhang H,He Y,Guo F,Bi X,Liu J,Sun Y

A Bifidobacterium animalis subsp. lactis strain that can suppress Helicobacter pylori: isolation, in vitro and in vivo validation.

Letters in applied microbiology , Volume: 77 Issue: 1 2024 Jan 2

Authors Zheng Y,Zhang S,Zhang T,Teng X,Ling X,Li B,Xiao G,Huang S

Lactic acid fermentation of goji berries (Lycium barbarum) prevents acute alcohol liver injury and modulates gut microbiota and metabolites in mice.

Food & function , Volume: 15 Issue: 3 2024 Feb 5

Authors Duan W,Zhou L,Ren Y,Liu F,Xue Y,Wang FZ,Lu R,Zhang XJ,Shi JS,Xu ZH,Geng Y

[Simulated digestions of free oligosaccharides and mucin-type O-glycans reveal a potential role for Clostridium perfringens.](#)

Scientific reports , Volume: 14 Issue: 1 2024 Jan 18

Authors McDonald AG,Lisacek F

[Effect of Lactobacillus plantarum ZFM4 in Helicobacter pylori-infected C57BL/6 mice: prevention is better than cure.](#)

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Yu YY,Wu LY,Sun X,Gu Q,Zhou QQ

[Integrated multi-omics profiling highlights the benefits of resveratrol hydroxypropyl- \$\beta\$ -cyclodextrin inclusion complex for A53T transgenic mice through the microbiota-gut-brain axis.](#)

Food & function , Volume: 15 Issue: 3 2024 Feb 5

Authors Sun X,Feng S,Qin B,Ye J,Xie L,Gui J,Sang M

[Effects of Metabolites of Lactobacillus casei on Expression and Neutralization of Shiga Toxin by Enterohemorrhagic Escherichia coli.](#)

Probiotics and antimicrobial proteins , 2024 Jan 15

Authors Aditya A,Tabashsum Z,Martinez ZA,Biswas D

[Effects of aerobic exercise or Tai Chi Chuan interventions on problematic mobile phone use and the potential role of intestinal flora: A multi-arm randomized controlled trial.](#)

Journal of psychiatric research , Volume: 170 2024 Feb

Authors Zhang K,Guo H,Zhang X,Yang H,Yuan G,Zhu Z,Lu X,Zhang J,Du J,Shi H,Jin G,Ren J,Hao J,Sun Y,Su P,Zhang Z

[Gut Microbiota Dysbiosis and Intestinal Barrier Impairment in Diarrhea Caused by Cold drink and high-fat diet.](#)

Toxicology , 2024 Jan 10

Authors Tian Y,Fu M,Su J,Yan M,Yu J,Wang C,Niu Z,Du Y,Hu X,Zheng J,Tao B,Gao Z,Chen J,Chen S,Lv G

[Stachyose in combination with L. rhamnosus GG ameliorates acute hypobaric hypoxia-induced intestinal barrier dysfunction through alleviating inflammatory response and oxidative stress.](#)

Free radical biology & medicine , Volume: 212 2024 Feb 20

Authors Ren D,Ding M,Su J,Ye J,He X,Zhang Y,Shang X

[Linking human milk oligosaccharide metabolism and early life gut microbiota: bifidobacteria and beyond.](#)

Microbiology and molecular biology reviews : MMBR , Volume: 88 Issue: 1 2024 Mar 27

Authors Lordan C,Roche AK,Delsing D,Nauta A,Groeneveld A,MacSharry J,Cotter PD,van Sinderen D

[Safety Assessment and Probiotic Potential Comparison of Bifidobacterium longum subsp. infantis BLI-02, Lactobacillus plantarum LPL28, Lactobacillus acidophilus TYCA06, and Lactobacillus paracasei ET-66.](#)

Nutrients , Volume: 16 Issue: 1 2023 Dec 29

Authors Chen JF,Hsia KC,Kuo YW,Chen SH,Huang YY,Li CM,Hsu YC,Tsai SY,Ho HH

[Prospective Randomized, Double-Blind, Placebo-Controlled Study of a Standardized Oral Pomegranate Extract on the Gut Microbiome and Short-Chain Fatty Acids.](#)

Foods (Basel, Switzerland) , Volume: 13 Issue: 1 2023 Dec 19

Authors Sivamani RK,Chakkalakal M,Pan A,Nadora D,Min M,Dumont A,Burney WA,Chambers CJ

[Highland barley \$\beta\$ -glucan supplementation attenuated hepatic lipid accumulation in Western diet-induced non-alcoholic fatty liver disease mice by modulating gut microbiota.](#)

Food & function , Volume: 15 Issue: 3 2024 Feb 5

Authors Liu H,Nie C,Hu X,Li J

[Moringa oleifera leaf alleviates functional constipation via regulating the gut microbiota and the enteric nervous system in mice.](#)

Frontiers in microbiology , Volume: 14 2023

Authors Gao X,Yang W,Li S,Liu S,Yang W,Song S,Sheng J,Zhao Y,Tian Y

[Human milk oligosaccharides and the association with microbiota in colostrum: a pilot study.](#)

Archives of microbiology , Volume: 206 Issue: 2 2024 Jan 8

Authors Sun W,Tao L,Qian C,Xue P,Tong X,Yang L,Lu F,Wan H,Tao Y

[A systematic review on the effects of exercise on gut microbial diversity, taxonomic composition, and microbial metabolites: identifying research gaps and future directions.](#)

Frontiers in physiology , Volume: 14 2023

Authors Cullen JMA,Shahzad S,Dhillon J

[Lactiplantibacillus plantarum X7022 Plays Roles on Aging Mice with Memory Impairment Induced by D-Galactose Through Restoring Neuronal Damage, Relieving Inflammation and Oxidative Stress.](#)

Probiotics and antimicrobial proteins , Volume: 17 Issue: 1 2025 Feb

Authors Yin D,Zhao L,Deng S,Xie Y,Ro KS,Yang Z,Du L,Xie J,Wei D

[Bifidobacterium longum SX-1326 ameliorates gastrointestinal toxicity after irinotecan chemotherapy via modulating the P53 signaling pathway and brain-gut axis.](#)

BMC microbiology , Volume: 24 Issue: 1 2024 Jan 3

Authors Yue F,Zeng X,Wang Y,Fang Y,Yue M,Zhao X,Zhu R,Zeng Q,Wei J,Chen T

Co-administration of the prebiotic 1-kestose and the paraprobiotic Lactiplantibacillus plantarum FM8 in magellanic penguins promotes the activity of intestinal Lactobacillaceae and reduces the plc gene levels encoding Clostridium perfringens toxin.

The Journal of veterinary medical science , Volume: 86 Issue: 2 2024 Feb 8

Authors Fujii T,Kezuka C,Kawaguchi Y,Yamakawa S,Kondo N,Funasaka K,Hirooka Y,Tochio T

Mannan oligosaccharides improve the fur quality of raccoon dogs by regulating the gut microbiota.

Frontiers in microbiology , Volume: 14 2023

Authors Yuan C,Ren L,Sun R,Yun X,Zang X,Zhang A,Wu M

Integrated gut microbiome and metabolome analysis reveals the inhibition effect of Lactobacillus plantarum CBT against colorectal cancer.

Food & function , Volume: 15 Issue: 2 2024 Jan 22

Authors Chen YY,Fei F,Ding LL,Wen SY,Ren CF,Gong AH

Oat-based postbiotics ameliorate high-sucrose induced liver injury and colitis susceptibility by modulating fatty acids metabolism and gut microbiota.

The Journal of nutritional biochemistry , Volume: 125 2024 Mar

Authors Song W,Wen R,Liu T,Zhou L,Wang G,Dai X,Shi L

Sulforaphane and Sulforaphane-Nitrile Metabolism in Humans Following Broccoli Sprout Consumption: Inter-individual Variation, Association with Gut Microbiome Composition, and Differential Bioactivity.

Molecular nutrition & food research , Volume: 68 Issue: 4 2024 Feb

Authors Bouranis JA,Beaver LM,Wong CP,Choi J,Harner S,Davis EW,Brown KS,Jiang D,Sharpton TJ,Stevens JF,Ho E

Effect of Low Protein Diets Supplemented with Sodium Butyrate, Medium-Chain Fatty Acids, or n-3 Polyunsaturated Fatty Acids on the Growth Performance, Immune Function, and Microbiome of Weaned Piglets.

International journal of molecular sciences , Volume: 24 Issue: 24 2023 Dec 18

Authors Li W,Lan T,Ding Q,Ren Z,Tang Z,Tang Q,Peng X,Xu Y,Sun Z

Effects of Lactobacillus plantarum HW1 on Growth Performance, Intestinal Immune Response, Barrier Function, and Cecal Microflora of Broilers with Necrotic Enteritis.

Animals : an open access journal from MDPI , Volume: 13 Issue: 24 2023 Dec 10

Authors Chen P,Lv H,Liu W,Wang Y,Zhang K,Che C,Zhao J,Liu H

Effects of Spirulina platensis and/or Allium sativum on Antioxidant Status, Immune Response, Gut Morphology, and Intestinal Lactobacilli and Coliforms of Heat-Stressed Broiler Chicken.

Veterinary sciences , Volume: 10 Issue: 12 2023 Nov 27

Authors Attia YA,Hassan RA,Addeo NF,Bovera F,Alhotan RA,Al-Qurashi AD,Al-Baadani HH,Al-Banoby MA,Khafaga AF,Eisenreich W,Shehata AA,Basiouni S

Effect of Human Milk Oligosaccharides on Learning and Memory in Mice with Alzheimer's Disease.

Journal of agricultural and food chemistry , Volume: 72 Issue: 2 2024 Jan 17

Authors Gao H,Fang B,Sun Z,Du X,Guo H,Zhao L,Zhang M

The effect of different prebiotics on intestinal probiotics in newly diagnosed diabetic patients.

Food science & nutrition , Volume: 11 Issue: 12 2023 Dec

Authors Zhang Y,Yang L,Wu Y,He H,Zeng Y,An Z,Jia W

Identification of inulin-responsive bacteria in the gut microbiota via multi-modal activity-based sorting.

Nature communications , Volume: 14 Issue: 1 2023 Dec 14

Authors Riva A,Rasoulimehrabani H,Cruz-Rubio JM,Schnorr SL,von Baeckmann C,Inan D,Nikolov G,Herbold CW,Hausmann B,Pjevac P,Schintlmeister A,Spittler A,Palatinszky M,Kadunic A,Hießer N,Del Favero G,von Bergen M,Jehmlich N,Watzka M,Lee KS,Wiesenbauer J,Khadem S,Viernstein H,Stocker R,Wagner M,Kaiser C,Richter A,Kleitz F,Berry D

Effects of pomegranate (Punica granatum L.) peel on the growth performance and intestinal microbiota of broilers challenged with Escherichia coli.

Poultry science , Volume: 103 Issue: 2 2024 Feb

Authors Xu P,Wang J,Chen P,Ding H,Wang X,Li S,Fan X,Zhou Z,Shi D,Li Z,Cao S,Xiao Y

The Inhibitory Activity of Lactobacillus plantarum Supernatant against Enterobacteria, Campylobacter, and Tumor Cells.

Bulletin of experimental biology and medicine , Volume: 176 Issue: 1 2023 Nov

Authors Danilova TA,Adzhieva AA,Mezentseva MV,Suetina IA,Danilina GA,Minko AG,Dmitrieva ML,Zhukhovitsky VG

Anti-allergic effects of Ulva-derived polysaccharides, oligosaccharides and residues in a murine model of food allergy.

Heliyon , Volume: 9 Issue: 12 2023 Dec

Authors Ou JY,Wei YJ,Liu FL,Huang CH

Impact of structurally diverse polysaccharides on colonic mucin O-glycosylation and gut microbiota.

NPJ biofilms and microbiomes , Volume: 9 Issue: 1 2023 Dec 11

Authors Zhao T,Zhang Y,Nan L,Zhu Q,Wang S,Xie Y,Dong X,Cao C,Lin X,Lu Y,Liu Y,Huang L,Gong G,Wang Z

A High-Fat Diet Increases the Characteristics of Gut Microbial Composition and the Intestinal Damage Associated with Non-Alcoholic Fatty Liver Disease.

International journal of molecular sciences , Volume: 24 Issue: 23 2023 Nov 24

Authors Zhu X,Cai J,Wang Y,Liu X,Chen X,Wang H,Wu Z,Bao W,Fan H,Wu S

Structure, Health Benefits, Mechanisms, and Gut Microbiota of Dendrobium officinale Polysaccharides: A Review.

Nutrients , Volume: 15 Issue: 23 2023 Nov 23

Authors Wu W,Zhao Z,Zhao Z,Zhang D,Zhang Q,Zhang J,Fang Z,Bai Y,Guo X

Lycium barbarum polysaccharide alleviates DSS-induced chronic ulcerative colitis by restoring intestinal barrier function and modulating gut microbiota.

Annals of medicine , Volume: 55 Issue: 2 2023

Authors Li ZY,Lin LH,Liang HJ,Li YQ,Zhao FQ,Sun TY,Liu ZY,Zhu JY,Gu F,Xu JN,Hao QY,Zhou DS,Zhai HH

The effects of 6 wk of resistance training on the gut microbiome and cardiometabolic health in young adults with overweight and obesity.

Journal of applied physiology (Bethesda, Md. : 1985) , Volume: 136 Issue: 2 2024 Feb 1

Authors Cullen JMA,Shahzad S,Kanaley JA,Ericsson AC,Dhillon J

Role of microencapsulated Lactobacillus plantarum in alleviating intestinal inflammatory damage through promoting epithelial proliferation and differentiation in layer chicks.

Frontiers in microbiology , Volume: 14 2023

Authors Cui Y,Huang P,Duan H,Song S,Gan L,Liu Z,Lin Q,Wang J,Qi G,Guan J

Free lipoproteins from Bifidobacterium longum alleviate osteoarthritis through modulation of the gut microbiome.

Microbiome research reports , Volume: 2 Issue: 3 2023

Authors Sane F,Piva F,Romond MB

Next-generation sequencing of the athletic gut microbiota: a systematic review.

Microbiome research reports , Volume: 2 Issue: 1 2023

Authors Sabater C,Iglesias-Gutiérrez E,Ruiz L,Margolles A

Plant Phenolics Inhibit Focal Adhesion Kinase and Suppress Host Cell Invasion by Uropathogenic Escherichia coli.

bioRxiv : the preprint server for biology , 2023 Nov 23

Authors Lewis AJ,Richards AC,Mendez AA,Dhakal BK,Jones TA,Sundsbak JL,Eto DS,Mulvey MA

Effects of different wheat bran fermentation sources on growth performance, nutrient digestibility, serum antioxidant capacity and fecal microbiota in growing pigs.

Frontiers in veterinary science , Volume: 10 2023

Authors Liu H,Ren X,Li Y,Cao Q,Yang L,Jiang S,Fu J,Gao J,Yan L,Li J,Yang W

Unveiling the inhibition mechanism of Clostridioides difficile by Bifidobacterium longum via multiomics approach.

Frontiers in microbiology , Volume: 14 2023

Authors Jo SH,Jeon HJ,Song WS,Lee JS,Kwon JE,Park JH,Kim YR,Kim MG,Baek JH,Kwon SY,Kim JS,Yang YH,Kim YG

Prebiotic potential of green banana flour: impact on gut microbiota modulation and microbial metabolic activity in a murine model.

Frontiers in nutrition , Volume: 10 2023

Authors Baek GH,Kim YJ,Lee Y,Jung SC,Seo HW,Kim JS

Distinct Microbial Taxa Are Associated with LDL-Cholesterol Reduction after 12 Weeks of Lactobacillus plantarum Intake in Mild Hypercholesterolemia: Results of a Randomized Controlled Study.

Probiotics and antimicrobial proteins , 2023 Nov 28

Authors Kerlikowsky F,Müller M,Greupner T,Amend L,Strowig T,Hahn A

2'-Fucosyllactose alleviates OVA-induced food allergy in mice by ameliorating intestinal microecology and regulating the imbalance of Th2/Th1 proportion.

Food & function , Volume: 14 Issue: 24 2023 Dec 11

Authors Kou R,Wang J,Li A,Wang Y,Fan D,Zhang B,Fu W,Liu J,Fu H,Wang S

Antioxidant Capacity of Eugenol and Its Effect on Intestinal Flora Under in Vitro Simulated Conditions.

Studies in health technology and informatics , Volume: 308 2023 Nov 23

Authors Dai J

Effects of Low Protein Diet on Production Performance and Intestinal Microbial Composition in Pigs.

Veterinary sciences , Volume: 10 Issue: 11 2023 Nov 14

Authors Wang D,Chen G,Li W,Chai M,Zhang H,Su Y

Influence of Sex and a High-Fiber Diet on the Gut Microbiome of Alentejano Pigs Raised to Heavy Weights.

Veterinary sciences , Volume: 10 Issue: 11 2023 Nov 2

Authors Albuquerque A,Garrido N,Charneca R,Egas C,Martin L,Ramos A,Costa F,Marmelo C,Martins JM

Does the ketogenic diet improve neurological disorders by influencing gut microbiota? A systematic review.

Nutrition journal , Volume: 22 Issue: 1 2023 Nov 20

Authors Mazandarani M,Lashkarbolouk N,Ejtahed HS,Qorbani M

[Gut microbiome supplementation as therapy for metabolic syndrome.](#)

World journal of diabetes , Volume: 14 Issue: 10 2023 Oct 15

Authors Antony MA,Chowdhury A,Edem D,Raj R,Nain P,Joglekar M,Verma V,Kant R

[Ketogenic Diet Has Moderate Effects on the Fecal Microbiota of Wild-Type Mice.](#)

Nutrients , Volume: 15 Issue: 21 2023 Oct 31

Authors Rohwer N,El Hage R,Smyl C,Ocvirk S,Goris T,Grune T,Swidsinski A,Weylandt KH

[Effects of Walnut and Pumpkin on Selective Neuropenotypes of Autism Spectrum Disorders: A Case Study.](#)

Nutrients , Volume: 15 Issue: 21 2023 Oct 27

Authors El-Ansary A,Al-Ayadhi L

[Epigallocatechin gallate alleviates osteoporosis by regulating the gut microbiota and serum metabolites in rats.](#)

Food & function , Volume: 14 Issue: 23 2023 Nov 27

Authors Han X,Fu Y,Wang K,Li S,Jiang C,Wang S,Wang Z,Liu G,Hu S

[Wolfberry, Yam, and Chrysanthemum polysaccharides increased intestinal Akkermansia muciniphila abundance and hepatic YAP1 expression to alleviate DILI.](#)

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 37 Issue: 12 2023 Dec

Authors Lu J,Gong Y,Gao Y,Yang Y,Zhang Y,Zhang Z,Shi X

[Inulin prebiotic ameliorates type 1 diabetes dictating regulatory T cell homing via CCR4 to pancreatic islets and butyrogenic gut microbiota in murine model.](#)

Journal of leukocyte biology , Volume: 115 Issue: 3 2024 Feb 23

Authors Guimarães JB,Rodrigues VF,Pereira ÍS,Manso GMDC,Elias-Oliveira J,Leite JA,Waldetario MCGM,de Oliveira S,Gomes ABDSP,Faria AMC,Ramos SG,Bonato VLD,Silva JS,Vinolo MAR,Sampaio UM,Clerici MTPS,Carlos D

[Utilization of diverse oligosaccharides for growth by Bifidobacterium and Lactobacillus species and their in vitro co-cultivation characteristics.](#)

International microbiology : the official journal of the Spanish Society for Microbiology , 2023 Nov 9

Authors Dong Y,Han M,Fei T,Liu H,Gai Z

[Dietary Galactooligosaccharides Supplementation as a Gut Microbiota-Regulating Approach to Lower Early Life Arsenic Exposure.](#)

Environmental science & technology , 2023 Nov 9

Authors Zhang YS,Juhasz AL,Xi JF,Ma LQ,Zhou D,Li HB

[Early life exposure to broccoli sprouts confers stronger protection against enterocolitis development in an immunological mouse model of inflammatory bowel disease.](#)

mSystems , Volume: 8 Issue: 6 2023 Dec 21

Authors Holcomb L,Holman JM,Hurd M,Lavoie B,Colucci L,Hunt B,Hunt T,Kinney M,Pathak J,Mawe GM,Moses PL,Perry E,Stratigakis A,Zhang T,Chen G,Ishaq SL,Li Y

[Bifidobacterium longum subsp. longum BL21 Ameliorates Alcoholic Liver Disease in Mice Through Enhancement of the Hepatic Antioxidant Capacity and Modulation of the Gut Microbiota.](#)

Journal of applied microbiology , 2023 Oct 31

Authors Dong Y,Wu Z,Gai Z,Han M

[Antitumor effect of exopolysaccharide from Lactiplantibacillus plantarum WLPL09 on melanoma mice via regulating immunity and gut microbiota.](#)

International journal of biological macromolecules , Volume: 254 Issue: Pt 1 2023 Oct 31

Authors Wang Q,Jiang B,Wei M,He Y,Wang Y,Zhang Q,Wei H,Tao X

[Dietary supplementation with olive oil co-products rich in polyphenols: a novel nutraceutical approach in monogastric animal nutrition.](#)

Frontiers in veterinary science , Volume: 10 2023

Authors Ferlisi F,Tang J,Cappelli K,Trabalza-Marinucci M

[Spices as Sustainable Food Preservatives: A Comprehensive Review of Their Antimicrobial Potential.](#)

Pharmaceuticals (Basel, Switzerland) , Volume: 16 Issue: 10 2023 Oct 12

Authors Sulieman AME,Abdallah EM,Alanazi NA,Ed-Dra A,Jamal A,Idriss H,Alshammari AS,Shommo SAM

[Are We Ready to Recommend Capsaicin for Disorders Other Than Neuropathic Pain?](#)

Nutrients , Volume: 15 Issue: 20 2023 Oct 21

Authors Silva JL,Santos EA,Alvarez-Leite JJ

[Uncovering the promising role of grape pomace as a modulator of the gut microbiome: An in-depth review.](#)

Heliyon , Volume: 9 Issue: 10 2023 Oct

Authors Sinrod AJG,Shah IM,Surek E,Barile D

[Differential effects of plant-based flours on metabolic homeostasis and the gut microbiota in high-fat fed rats.](#)

Nutrition & metabolism , Volume: 20 Issue: 1 2023 Oct 19

Authors Martinez TM,Wachsmuth HR,Meyer RK,Weninger SN,Lane AI,Kangath A,Schiro G,Laubitz D,Stern JH,Duca FA

[Phlorizin Mitigates Dextran Sulfate Sodium-Induced Colitis in Mice by Modulating Gut Microbiota and Inhibiting Ferroptosis.](#)

Journal of agricultural and food chemistry , 2023 Oct 19

Authors Cheng J,Liu D,Huang Y,Chen L,Li Y,Yang Z,Fu S,Hu G

[Pectic oligosaccharides ameliorate high-fat diet-induced obesity and hepatic steatosis in association with modulating gut microbiota in mice.](#)

Food & function , Volume: 14 Issue: 21 2023 Oct 30

Authors Yu S,Wang H,Cui L,Wang J,Zhang Z,Wu Z,Lin X,He N,Zou Y,Li S

[Bifidobacteria metabolize lactulose to optimize gut metabolites and prevent systemic infection in patients with liver disease.](#)

Nature microbiology , Volume: 8 Issue: 11 2023 Nov

Authors Odenwald MA,Lin H,Lehmann C,Dylla NP,Cole CG,Mostad JD,Pappas TE,Ramaswamy R,Moran A,Hutchison AL,Stutz MR,Dela Cruz M,Adler E,Boissiere J,Khalid M,Cantoral J,Haro F,Oliveira RA,Waligurski E,Cotter TG,Light SH,Beavis KG,Sundararajan A,Sidebottom AM,Reddy KG,Paul S,Pillai A,Te HS,Rinella ME,Charlton MR,Pamer EG,Aronsohn AI

[Effect of grape pomace supplement on growth performance, gastrointestinal microbiota, and methane production in Tan lambs.](#)

Frontiers in microbiology , Volume: 14 2023

Authors Cheng X,Du X,Liang Y,Degen AA,Wu X,ji K,Gao Q,Xin G,Cong H,Yang G

[Thymus Vulgaris Oil Nanoemulsion: Synthesis, Characterization, Antimicrobial and Anticancer Activities.](#)

Molecules (Basel, Switzerland) , Volume: 28 Issue: 19 2023 Oct 2

Authors Doghish AS,Shehabeldine AM,El-Mahdy HA,Hassanin MMH,Al-Askar AA,Marey SA,AbdElgawad H,Hashem AH

[Whole-Grain Highland Barley Attenuates Atherosclerosis Associated with NLRP3 Inflammasome Pathway and Gut Microbiota in ApoE\(-/-\) Mice.](#)

Nutrients , Volume: 15 Issue: 19 2023 Sep 28

Authors Wu T,Yu Q,Luo Y,Dai Z,Zhang Y,Wang C,Shen Q,Xue Y

[Ameliorating Effects of Bifidobacterium longum subsp. infantis FB3-14 against High-Fat-Diet-Induced Obesity and Gut Microbiota Disorder.](#)

Nutrients , Volume: 15 Issue: 19 2023 Sep 22

Authors Kou R,Wang J,Li A,Wang Y,Zhang B,Liu J,Sun Y,Wang S

[Biological activities, therapeutic potential, and pharmacological aspects of blackcurrants \(Ribes nigrum L\): A comprehensive review.](#)

Food science & nutrition , Volume: 11 Issue: 10 2023 Oct

Authors Ejaz A,Waliat S,Afzaal M,Saeed F,Ahmad A,Din A,Ateeq H,Asghar A,Shah YA,Rafi A,Khan MR

[Butyrogenic, bifidogenic and slight anti-inflammatory effects of a green kiwifruit powder \(Kiwi FFG®\) in a human gastrointestinal model simulating mild constipation.](#)

Food research international (Ottawa, Ont.) , Volume: 173 Issue: Pt 2 2023 Nov

Authors Goya-Jorge E,Bondue P,Gonza I,Laforêt F,Antoine C,Boutaleb S,Douny C,Scippo ML,de Ribaucourt JC,Crahay F,Delcenserie V

[Antitumor, Antioxidant, and Antimicrobial Properties and Anticancer Potential of Novel Environmentally Friendly Amide-Modified Gallic Acid Derivatives.](#)

Journal of agricultural and food chemistry , 2023 Oct 6

Authors Wang X,Cong J,Zhang L,Han Z,Jiang X,Yu L

[Highland barley attenuates high fat and cholesterol diet induced hyperlipidemia in mice revealed by 16S rRNA gene sequencing and untargeted metabolomics.](#)

Life sciences , Volume: 334 2023 Dec 1

Authors Li X,Wang L

[Dietary supplementation with Dendrobium officinale leaves improves growth, antioxidant status, immune function, and gut health in broilers.](#)

Frontiers in microbiology , Volume: 14 2023

Authors Zhao W,Chen Y,Tian Y,Wang Y,Du J,Ye X,Lu L,Sun C

[The effect of physical exercise and dairy probiotics \(Lactobacillus casei\) on gut microbiome in childhood cancer survivors.](#)

Neoplasma , Volume: 70 Issue: 4 2023 Aug

Authors Bielik V,Hric I,Šmahová S,Tkaciková M,Hlaváčová V,Nechalová L,Ugrayová S,Kolenová A

[Diet and gut microbial associations in irritable bowel syndrome according to disease subtype.](#)

Gut microbes , Volume: 15 Issue: 2 2023 Dec

Authors Wang Y,Ma W,Mehta R,Nguyen LH,Song M,Drew DA,Asnicar F,Huttenhower C,Segata N,Wolf J,Spector T,Berry S,Staller K,Chan AT

Regulatory effect of lactulose on intestinal flora and serum metabolites in colitis mice: In vitro and in vivo evaluation.

Food chemistry, Volume: 19 2023 Oct 30

Authors Bai J,Wang B,Tan X,Huang L,Xiong S

Glycine fermentation by *C. difficile* promotes virulence and spore formation, and is induced by host cathelicidin.

Infection and immunity, Volume: 91 Issue: 10 2023 Oct 17

Authors Rizvi A,Vargas-Cuevas G,Edwards AN,DiCandia MA,Carter ZA,Lee CD,Monteiro MP,McBride SM

Phytochemical, antioxidant, and antibacterial activity of *Moringa oleifera* nanosuspension against peri-implantitis bacteria: An in vitro study.

Journal of oral biology and craniofacial research, Volume: 13 Issue: 6 2023 Nov-Dec

Authors Nugraha AP,Triwardhani A,Sitalaksmi RM,Ramadhani NF,Luthfi M,Ulfa NM,Tengku Ahmad Noor TNEB

Combined oral intake of short and long fructans alters the gut microbiota in food allergy model mice and contributes to food allergy prevention.

BMC microbiology, Volume: 23 Issue: 1 2023 Sep 22

Authors Takahashi H,Fujii T,Yamakawa S,Yamada C,Fujiki K,Kondo N,Funasaka K,Hirooka Y,Tochio T

Dietary food patterns as determinants of the gut microbiome-endocannabinoidome axis in humans.

Scientific reports, Volume: 13 Issue: 1 2023 Sep 21

Authors Castonguay-Paradis S,Perron J,Flamand N,Lamarche B,Raymond F,Di Marzo V,Veilleux A

The Synergism of Human Lactobacillaceae and Inulin Decrease Hyperglycemia via Regulating the Composition of Gut Microbiota and Metabolic Profiles in db/db Mice.

Journal of microbiology and biotechnology, Volume: 33 Issue: 12 2023 Aug 21

Authors Li P,Tong T,Wu Y,Zhou X,Zhang M,Liu J,She Y,Li Z,Li A

Effect of Probiotic Supplementation on the Gut Microbiota Composition of Infants Delivered by Cesarean Section: An Exploratory, Randomized, Open-label, Parallel-controlled Trial.

Current microbiology, Volume: 80 Issue: 11 2023 Sep 15

Authors Gong Y,Zhong H,Wang J,Wang X,Huang L,Zou Y,Qin H,Yang R

Effects of Ramadan intermittent fasting on gut microbiome: is the diet key?

Frontiers in microbiology, Volume: 14 2023

Authors Saglam D,Colak GA,Sahin E,Ekren BY,Sezerman U,Bas M

Genomic DNA Extracted from *Lactiplantibacillus plantarum* Attenuates *Porphyromonas gingivalis* Lipopolysaccharide (LPS)-Induced Inflammatory Responses via Suppression of Toll-Like Receptor (TLR)-Mediated Mitogen-Activated Protein Kinase (MAPK) and Nuclear Factor- κ B (NF- κ B) Signaling Pathways.

Food science of animal resources, Volume: 43 Issue: 5 2023 Sep

Authors Choi YH,Kim BS,Kang SS

Mannan oligosaccharides selenium ameliorates intestinal mucosal barrier, and regulate intestinal microbiota to prevent Enterotoxigenic *Escherichia coli* -induced diarrhea in weaned piglets.

Ecotoxicology and environmental safety, Volume: 264 2023 Oct 1

Authors Zha A,Tu R,Qi M,Wang J,Tan B,Liao P,Wu C,Yin Y

The effects of *Ascophyllum nodosum*, *Camellia sinensis*-leaf extract, and their joint interventions on glycolipid and energy metabolism in obese mice.

Frontiers in nutrition, Volume: 10 2023

Authors Xu Y,Jia X,Zhang W,Xie Q,Zhu M,Zhao Z,Hao J,Li H,Du J,Liu Y,Feng H,He J,Li H

Microbial modifications with *Lycium barbarum* L. oligosaccharides decrease hepatic fibrosis and mitochondrial abnormalities in mice.

Phytomedicine : international journal of phytotherapy and phytopharmacology, Volume: 120 2023 Nov

Authors Zhang Z,Lu W,Liu P,Li M,Ge X,Yu B,Wu Z,Liu G,Ding N,Cui B,Chen X

Chia (*Salvia hispanica* L.) flour modulates the intestinal microbiota in Wistar rats fed a high-fat and high-fructose diet.

Food research international (Ottawa, Ont.), Volume: 172 2023 Oct

Authors Morais VN,Gomes MJC,Grancieri M,Moreira LPD,Toledo RCL,Costa NMB,da Silva BP,Martino HSD

Water extract of goji berries improves neuroinflammation induced by a high-fat and high-fructose diet based on the bile acid-mediated gut-brain axis pathway.

Food & function, Volume: 14 Issue: 18 2023 Sep 19

Authors Dong W,Huang Y,Shu Y,Fan X,Tian X,Yan Y,Mi J,Lu L,Zeng X,Cao Y

Antidepressant properties of voluntary exercise mediated by gut microbiota.

Bioscience, biotechnology, and biochemistry, Volume: 87 Issue: 11 2023 Oct 25

Authors Watanabe C,Oyanagi E,Aoki T,Hamada H,Kawashima M,Yamagata T,Kremenik MJ,Yano H

Voluntary exercise does not increase gastrointestinal motility but increases spatial memory, intestinal eNOS, Akt levels, and Bifidobacteria abundance in the microbiome.

Frontiers in physiology, Volume: 14 2023

Authors Bakonyi P,Kolonics A,Aczel D,Zhou L,Mozaffaritarab S,Molnár K,László L,Kutasi B,Tanisawa K,Park J,Gu Y,Pinho RA,Radak Z

[Resveratrol alleviates DSS-induced IBD in mice by regulating the intestinal microbiota-macrophage-arginine metabolism axis.](#)

European journal of medical research , Volume: 28 Issue: 1 2023 Sep 2

Authors Xu X,Ocansey DKW,Pei B,Zhang Y,Wang N,Wang Z,Mao F

[Positive efficacy of Lactiplantibacillus plantarum MH-301 as a postoperative adjunct to endoscopic sclerotherapy for internal hemorrhoids: a randomized, double-blind, placebo-controlled trial.](#)

Food & function , 2023 Sep 1

Authors Zhang K,Liu H,Liu P,Feng Q,Gan L,Yao L,Huang G,Fang Z,Chen T,Fang N

[Comparing the Influences of Metformin and Berberine on the Intestinal Microbiota of Rats With Nonalcoholic Steatohepatitis.](#)

In vivo (Athens, Greece) , Volume: 37 Issue: 5 2023 Sep-Oct

Authors Chen D,Xiong J,Chen G,Zhang Z,Liu Y,Xu J,Xu H

[Effect of hydrophobic property on antibacterial activities of green tea polysaccharide conjugates against Escherichia coli.](#)

International journal of biological macromolecules , Volume: 253 Issue: Pt 1 2023 Dec 31

Authors Zhou Y,Liu W,Cao W,Cheng Y,Liu Z,Chen X

[Polysaccharide from Ziyang Selenium-Enriched Green Tea Prevents Obesity and Promotes Adipose Thermogenesis via Modulating the Gut Microbiota.](#)

Journal of agricultural and food chemistry , Volume: 71 Issue: 36 2023 Sep 13

Authors Li D,Cheng Y,Zeng X,Li Y,Xia Z,Yang X,Ren D

[Immunomodulatory effects of inulin and its intestinal metabolites.](#)

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G,Zhang L

[Bifidobacterium animalis subsp. lactis HN019 has antimicrobial activity against endodontic pathogens in vitro.](#)

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , 2023 Aug 26

Authors Araujo LDC,da Silva RAB,Silva CMPC,Salvador SLS,Messora MR,Furlaneto FAC,Mastrange MDA,Pucinelli CM,da Silva LAB

[Chia Phenolic Extract Appear to Improve Small Intestinal Functionality, Morphology, Bacterial Populations, and Inflammation Biomarkers In Vivo \(Gallus gallus\).](#)

Nutrients , Volume: 15 Issue: 16 2023 Aug 19

Authors Mishima MDV,Martino HSD,Kolba N,Agarwal N,Jackson C,da Silva BP,Grancieri M,de Assis A,São José VPB,Tako E

[Relationship between Oat Consumption, Gut Microbiota Modulation, and Short-Chain Fatty Acid Synthesis: An Integrative Review.](#)

Nutrients , Volume: 15 Issue: 16 2023 Aug 11

Authors Fabiano GA,Shinn LM,Antunes AEC

[Antibacterial efficacy of epigallocatechin-3-gallate cross-linked small intestinal submucosa guided bone regeneration membrane.](#)

Dental materials journal , Volume: 42 Issue: 5 2023 Sep 29

Authors Gou M,Zou C,Jiang Y,Xie H,Wang H,Song H

[Effects of ketogenic diet on the classification and functional composition of intestinal flora in children with mitochondrial epilepsy.](#)

Frontiers in neurology , Volume: 14 2023

Authors Wang J,Huang L,Li H,Chen G,Yang L,Wang D,Han H,Zheng G,Wang X,Liang J,He W,Fang F,Liao J,Sun D

[Antibacterial activity of Thymus vulgaris \(thyme\) essential oil against strains of Pseudomonas aeruginosa, Klebsiella pneumoniae and Staphylococcus saprophyticus isolated from meat product.](#)

Brazilian journal of biology = Revista brasleira de biologia , Volume: 83 2023

Authors Diniz AF,Santos B,Nóbrega LMMS,Santos VRL,Mariz WS,Cruz PSC,Nóbrega RO,Silva RL,Paula AFR,Santos JRDA,Pessôa HLF,Oliveira-Filho AA

[Probiotic yeast Saccharomyces cerevisiae Az-12 isolated from pomegranate juice presented inhibitory effects against pathogenic bacteria.](#)

Brazilian journal of biology = Revista brasleira de biologia , Volume: 83 2023

Authors Latif AS,Saparbekova AA,Akhmedova ZR,Kaldybekova G,Daugaliyeva ST

[Ketogenic diet ameliorates attention deficit hyperactivity disorder in rats via regulating gut microbiota.](#)

PLoS one , Volume: 18 Issue: 8 2023

Authors Liu Y,Yang C,Meng Y,Dang Y,Yang L

[The effects of time-restricted eating and Ramadan fasting on gut microbiota composition: a systematic review of human and animal studies.](#)

Nutrition reviews , Volume: 82 Issue: 6 2024 May 10

Authors Pieczynska-Zajac JM, Malinowska A, Lagowska K, Leciejewska N, Bajerska J

Dendrobium officinale Polysaccharide Alleviates Type 2 Diabetes Mellitus by Restoring Gut Microbiota and Repairing Intestinal Barrier via the LPS/TLR4/TRIF/NF- κ B Axis.

Journal of agricultural and food chemistry , Volume: 71 Issue: 31 2023 Aug 9

Authors Chen X, Chen C, Fu X

Liposomal Epigallocatechin-3-Gallate for the Treatment of Intestinal Dysbiosis in Children with Autism Spectrum Disorder: A Comprehensive Review.

Nutrients , Volume: 15 Issue: 14 2023 Jul 24

Authors de la Rubia Ortí JE, Moneti C, Serrano-Ballesteros P, Castellano G, Bayona-Babiloni R, Carriqui-Suárez AB, Motos-Muñoz M, Proaño B, Benlloch M

The Vegetable 'Kale' Protects against Dextran-Sulfate-Sodium-Induced Acute Inflammation through Moderating the Ratio of Proinflammatory and Anti-Inflammatory LPS-Producing Bacterial Taxa and Augmenting the Gut Barrier in C57BL6 Mice.

Nutrients , Volume: 15 Issue: 14 2023 Jul 20

Authors Raychaudhuri S, Shahinozzaman M, Subedi U, Fan S, Ogedengbe O, Obanda DN

The Protective Effect of Broccoli Seed Extract against Lipopolysaccharide-Induced Acute Liver Injury via Gut Microbiota Modulation and Sulforaphane Production in Mice.

Foods (Basel, Switzerland) , Volume: 12 Issue: 14 2023 Jul 21

Authors Mao B, Ren B, Wu J, Tang X, Zhang Q, Zhao J, Zhang L, Chen W, Cui S

Saccharomyces boulardii protects against murine experimental colitis by reshaping the gut microbiome and its metabolic profile.

Frontiers in microbiology , Volume: 14 2023

Authors Gao H, Li Y, Xu J, Zuo X, Yue T, Xu H, Sun J, Wang M, Ye T, Yu Y, Yao Y

Green label marinades: A solution to salmonella and campylobacter in chicken products?

Heliyon , Volume: 9 Issue: 7 2023 Jul

Authors Marmion M, Soro AB, Whyte P, Scannell AGM

The impact of aerobic exercise training on cognitive function and gut microbiota in methamphetamine-dependent individuals in the community.

Physiology & behavior , Volume: 270 2023 Oct 15

Authors Zhu Y, Zhu J, Song G

Alterations of gut microbiome and metabolism induced by inulin associated with weight loss in obese female mice.

International journal of food sciences and nutrition , Volume: 74 Issue: 5 2023 Sep

Authors Wu Z, Zhang M, Deng Y, Zhou G, Yang M, Wang H

The anti-hyperlipidemic effect and underlying mechanisms of barley (Hordeum vulgare L.) grass polysaccharides in mice induced by a high-fat diet.

Food & function , 2023 Jul 14

Authors Yan JK, Chen TT, Li LQ, Liu F, Liu X, Li L

Influences of wheat bran fiber on growth performance, nutrient digestibility, and intestinal epithelium functions in Xiangcun pigs.

Heliyon , Volume: 9 Issue: 7 2023 Jul

Authors Liu J, Luo Y, Kong X, Yu B, Zheng P, Huang Z, Mao X, Yu J, Luo J, Yan H, He J

Bile Acids and Short-Chain Fatty Acids Are Modulated after Onion and Apple Consumption in Obese Zucker Rats.

Nutrients , Volume: 15 Issue: 13 2023 Jul 5

Authors Balderas C, de Ancos B, Sánchez-Moreno C

Short-Term Dietary Intervention with Whole Oats Protects from Antibiotic-Induced Dysbiosis.

Microbiology spectrum , Volume: 11 Issue: 4 2023 Aug 17

Authors Costa SK, Antosca K, Beekman CN, Peterson RL, Penumutthu S, Belenky P

Antibacterial and smear layer removal efficacy of moringa (Moringa oleifera): An in vitro study.

Journal of Taibah University Medical Sciences , Volume: 18 Issue: 6 2023 Dec

Authors Natsir N, Yonathan Y, Nugroho JJ, Trilaksana AC, Rovani CA, Tanumihardja M, Muslimin L

The Effects of the Mediterranean Diet on Health and Gut Microbiota.

Nutrients , Volume: 15 Issue: 9 2023 Apr 29

Authors Barber TM, Kabisch S, Pfeiffer AFH, Weickert MO

The probiotic Lactobacillus casei Zhang-mediated correction of gut dysbiosis ameliorates peritoneal fibrosis by suppressing macrophage-related inflammation via the butyrate/PPAR- γ /NF- κ B pathway.

Food & function , Volume: 14 Issue: 15 2023 Jul 31

Authors Wu Z, Zuo X, Wang X, Shi M, Zhu H, Cao C, Liu X, Liang W, Yao Y, Wang L

Cinnamon oil solid self-microemulsion mediates chronic mild stress-induced depression in mice by modulating monoamine

[neurotransmitters, corticosterone, inflammation cytokines, and intestinal flora.](#)

Heliyon , Volume: 9 Issue: 6 2023 Jun

Authors Ma T,Tang B,Wang Y,Shen M,Ping Y,Wang L,Su J

[Effects of whole-grain cereals on fecal microbiota and short-chain fatty acids in dogs: a comparison of rye, oats and wheat.](#)

Scientific reports , Volume: 13 Issue: 1 2023 Jul 5

Authors Palmqvist H,Höglund K,Ringmark S,Lundh T,Dicksved J

[Effects of Lactocaseibacillus casei \(Lactobacillus casei\) and Saccharomyces cerevisiae mixture on growth performance, hematological parameters, immunological responses, and intestinal microbiome in weaned pigs.](#)

Frontiers in veterinary science , Volume: 10 2023

Authors Kim S,Kwak J,Song M,Cho J,Kim ES,Keum GB,Doo H,Pandey S,Cho JH,Ryu S,Kim S,Im YM,Kim HB

[Effect of Probiotic Yogurt Supplementation\(Bifidobacterium animalis ssp. lactis BB-12\) on Gut Microbiota of Female Taekwondo Athletes and Its Relationship with Exercise-Related Psychological Fatigue.](#)

Microorganisms , Volume: 11 Issue: 6 2023 May 26

Authors Zhu J,Zhu Y,Song G

[Phyto-Inhibitory and Antimicrobial Activity of Brown Propolis from Romania.](#)

Antibiotics (Basel, Switzerland) , Volume: 12 Issue: 6 2023 Jun 5

Authors Vica ML,Glevitzky M,Heghedus-Mîndru RC,Dumitrel GA,Heghedus-Mîndru G,Popa M,Faur DM,Bâlici ?,Teodoru CA

[Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.](#)

The Journal of nutrition , 2023 Jun 20

Authors Eudy BJ,Odle J,Lin X,Maltecca C,Walter KR,McNulty NP,Fellner V,Jacobi SK

[Hericium erinaceus, a medicinal fungus with a centuries-old history: Evidence in gastrointestinal diseases.](#)

World journal of gastroenterology , Volume: 29 Issue: 20 2023 May 28

Authors Gravina AG,Pellegrino R,Auletta S,Palladino G,Brandimarte G,D`Onofrio R,Arboreto G,Imperio G,Ventura A,Cipullo M,Romano M,Federico A

[Crosstalk between dietary pomegranate and gut microbiota: evidence of health benefits.](#)

Critical reviews in food science and nutrition , 2023 Jun 19

Authors Yin Y,Martínez R,Zhang W,Estévez M

[Effects of liposoluble components of highland barley spent grains on physiological indexes, intestinal microorganisms, and the liver transcriptome in mice fed a high-fat diet.](#)

Food science & nutrition , Volume: 11 Issue: 6 2023 Jun

Authors Zhang J,Luo Y,Feng S,Sun W,Li S,Kong L

[Targeted modification of gut microbiota and related metabolites via dietary fiber.](#)

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Nie Q,Sun Y,Li M,Zuo S,Chen C,Lin Q,Nie S

[Characteristic Gut Bacteria in High Barley Consuming Japanese Individuals without Hypertension.](#)

Microorganisms , Volume: 11 Issue: 5 2023 May 9

Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Nishimura M,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J

[Effects of exercise and physical activity on gut microbiota composition and function in older adults: a systematic review.](#)

BMC geriatrics , Volume: 23 Issue: 1 2023 Jun 12

Authors Aya V,Jimenez P,Muñoz E,Ramírez JD

[Biological control of foodborne pathogens by lactic acid bacteria: A focus on juice processing industries.](#)

Revista Argentina de microbiología , Volume: 55 Issue: 4 2023 Oct-Dec

Authors Tarifa MC,Agustín MDR,Brugnoni LI

[Lactobacillus casei and Its Supplement Alleviate Stress-Induced Depression and Anxiety in Mice by the Regulation of BDNF Expression and NF- \$\kappa\$ B Activation.](#)

Nutrients , Volume: 15 Issue: 11 2023 May 26

Authors Ma X,Shin YJ,Park HS,Jeong JW,Kim JY,Shim JJ,Lee JL,Kim DH

[Regulation of Gut Microflora by Lactobacillus casei Zhang Attenuates Liver Injury in Mice Caused by Anti-Tuberculosis Drugs.](#)

International journal of molecular sciences , Volume: 24 Issue: 11 2023 May 29

Authors Li Y,Zhao L,Sun C,Yang J,Zhang X,Dou S,Hua Q,Ma A,Cai J

[Antimicrobial Effects of Postbiotic Mediators Derived from Lactobacillus rhamnosus GG and Lactobacillus reuteri on Streptococcus mutans.](#)

Frontiers in bioscience (Landmark edition) , Volume: 28 Issue: 5 2023 May 9

Authors Banakar M,Pourhajibagher M,Etemad-Moghadam S,Mehran M,Yazdi MH,Haghighoo R,Alaeddini M,Frankenberger R

[Bifidobacterium bifidum E3 Combined with Bifidobacterium longum subsp. infantis E4 Improves LPS-Induced Intestinal Injury by Inhibiting the TLR4/NF- \$\kappa\$ B and MAPK Signaling Pathways In Vivo.](#)

Journal of agricultural and food chemistry , Volume: 71 Issue: 23 2023 Jun 14

Authors Yue Y,Wang Y,Xie Q,Lv X,Zhou L,Smith EE,Cao T,Zhang Y,Li B,Huo G,Ma W

Heat-Killed Bifidobacterium longum BBMN68 in Pasteurized Yogurt Alleviates Mugwort Pollen-Induced Allergic Airway Responses through Gut Microbiota Modulation in a Murine Model.

Foods (Basel, Switzerland) , Volume: 12 Issue: 10 2023 May 19

Authors Niu X,Yin X,Wu X,Zhang Q,Jiang Y,He J,Zhao Y,Zhang C,Ren Y,Lai M,Sang Y,Wang R

Dietary Fiber from Navel Orange Peel Prepared by Enzymatic and Ultrasound-Assisted Deep Eutectic Solvents: Physicochemical and Prebiotic Properties.

Foods (Basel, Switzerland) , Volume: 12 Issue: 10 2023 May 16

Authors Zhou L,Luo J,Xie Q,Huang L,Shen D,Li G

Comparison of the Effects of Enzymolysis Seaweed Powder and Saccharomyces boulardii on Intestinal Health and Microbiota Composition in Kittens.

Metabolites , Volume: 13 Issue: 5 2023 May 8

Authors Zhang M,Mo R,Li M,Qu Y,Wang H,Liu T,Liu P,Wu Y

Intermittent fasting protects against food allergy in a murine model via regulating gut microbiota.

Frontiers in immunology , Volume: 14 2023

Authors Ma RX,Hu JQ,Fu W,Zhong J,Cao C,Wang CC,Qi SQ,Zhang XL,Liu GH,Gao YD

Selenium-enriched Bifidobacterium longum DD98 relieves irritable bowel syndrome induced by chronic unpredictable mild stress in mice.

Food & function , Volume: 14 Issue: 11 2023 Jun 6

Authors Jin X,Hu Y,Lin T,Gao F,Xu Z,Hou X,Yin Y,Kan S,Zhu H,Chen D

Ketogenic diet protects MPTP-induced mouse model of Parkinson's disease via altering gut microbiota and metabolites.

MedComm , Volume: 4 Issue: 3 2023 Jun

Authors Jiang Z,Wang X,Zhang H,Yin J,Zhao P,Yin Q,Wang Z

Supplementation with inulin-type fructans affects gut microbiota and attenuates some of the cardiometabolic benefits of a plant-based diet in individuals with overweight or obesity.

Frontiers in nutrition , Volume: 10 2023

Authors Aldubayan MA,Mao X,Laursen MF,Pigsborg K,Christensen LH,Roager HM,Nielsen DS,Hjorth MF,Magkos F

Microencapsulation of Lactobacillus plantarum MBO01 and its probiotic effect on growth performance, cecal microbiome and gut integrity of broiler chickens in a tropical climate.

Animal bioscience , Volume: 36 Issue: 8 2023 Aug

Authors Vimom S,Angkanaporn K,Nuengjamnong C

Rumen microbial community and milk quality in Holstein lactating cows fed olive oil pomace as part in a sustainable feeding strategy.

Animal : an international journal of animal bioscience , Volume: 17 Issue: 6 2023 Jun

Authors Scicutella F,Cucu MA,Mannelli F,Pastorelli R,Daghio M,Paoli P,Pazzagli L,Turini L,Mantino A,Luti S,Genovese M,Viti C,Buccioni A

Lactulose regulates gut microbiota dysbiosis and promotes short-chain fatty acids production in acute pancreatitis patients with intestinal dysfunction.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 163 2023 Jul

Authors Wang J,Jiang M,Hu Y,Lei Y,Zhu Y,Xiong H,He C

Prevention of High-Fat-Diet-Induced Dyslipidemia by Lactobacillus plantarum LP104 through Mediating Bile Acid Enterohepatic Axis Circulation and Intestinal Flora.

Journal of agricultural and food chemistry , Volume: 71 Issue: 19 2023 May 17

Authors Wang Y,Xing X,Ma Y,Fan Y,Zhang Y,Nan B,Li X,Wang Y,Liu J

Role of Hydroxytyrosol and Oleuropein in the Prevention of Aging and Related Disorders: Focus on Neurodegeneration, Skeletal Muscle Dysfunction and Gut Microbiota.

Nutrients , Volume: 15 Issue: 7 2023 Apr 4

Authors Micheli L,Bertini L,Bonato A,Villanova N,Caruso C,Caruso M,Bernini R,Tirone F

Lactobacillus plantarum CCFM405 against Rotenone-Induced Parkinson's Disease Mice via Regulating Gut Microbiota and Branched-Chain Amino Acids Biosynthesis.

Nutrients , Volume: 15 Issue: 7 2023 Apr 1

Authors Chu C,Yu L,Li Y,Guo H,Zhai Q,Chen W,Tian F

Dried Fruits: Bioactives, Effects on Gut Microbiota, and Possible Health Benefits-An Update.

Nutrients , Volume: 15 Issue: 7 2023 Mar 26

Authors Alasalvar C,Chang SK,Kris-Etherton PM,Sullivan VK,Petersen KS,Guasch-Ferré M,Jenkins DJA

Alleviation of Alcoholic Fatty Liver by Dendrobium officinale Flower Extracts due to Regulation of Gut Microbiota and Short-Chain Fatty Acids in Mice Exposed to Chronic Alcohol.

Foods (Basel, Switzerland) , Volume: 12 Issue: 7 2023 Mar 28

Authors Zhang J,Fan J,Luo H,Liang Z,Guan Y,Lei X,Bo N,Zhao M

Neuroprotective Effects of Lactobacillus plantarum PS128 in a Mouse Model of Parkinson's Disease: The Role of Gut Microbiota and MicroRNAs.

International journal of molecular sciences , Volume: 24 Issue: 7 2023 Apr 5

Authors Lee YZ,Cheng SH,Chang MY,Lin YF,Wu CC,Tsai YC

Psychobiotic Lactobacillus plantarum JYLP-326 relieves anxiety, depression, and insomnia symptoms in test anxious college via modulating the gut microbiota and its metabolism.

Frontiers in immunology , Volume: 14 2023

Authors Zhu R,Fang Y,Li H,Liu Y,Wei J,Zhang S,Wang L,Fan R,Wang L,Li S,Chen T

Effects of an inulin fiber diet on the gut microbiome, colon, and inflammatory biomarkers in aged mice.

Experimental gerontology , Volume: 176 2023 Jun 1

Authors Hutchinson NT,Wang SS,Rund LA,Caetano-Silva ME,Allen JM,Johnson RW,Woods JA

Bifidobacterium longum Administration Diminishes Parasitemia and Inflammation During Plasmodium berghei Infection in Mice.

Journal of inflammation research , Volume: 16 2023

Authors Fitri LE,Sardjono TW,Winaris N,Pawestri AR,Endharti AT,Norahmawati E,Handayani D,Kurniawan SN,Azizah S,Alifia LI,Asiyah R,Ayuningtyas TR

Effects of Pomegranate Peel Polyphenols Combined with Inulin on Gut Microbiota and Serum Metabolites of High-Fat-Induced Obesity Rats.

Journal of agricultural and food chemistry , Volume: 71 Issue: 14 2023 Apr 12

Authors Shi H,Li X,Hou C,Chen L,Zhang Y,Li J

Exploring the Potential of Lactobacillus helveticus R0052 and Bifidobacterium longum R0175 as Promising Psychobiotics Using SHIME.

Nutrients , Volume: 15 Issue: 6 2023 Mar 21

Authors De Oliveira FL,Salgado MK,de Oliveira MT,Mesa V,Sartoratto A,Peregrino AM,Ramos WS,Sivieri K

Moringa oleifera Leaf Powder as New Source of Protein-Based Feedstuff Improves Growth Performance and Cecal Microbial Diversity of Broiler Chicken.

Animals : an open access journal from MDPI , Volume: 13 Issue: 6 2023 Mar 20

Authors Zhang H,Huang L,Hu S,Qin X,Wang X

Lactobacillus plantarum ZJ316 alleviates ulcerative colitis by inhibiting inflammation and regulating short-chain fatty acid levels and the gut microbiota in a mouse model.

Food & function , Volume: 14 Issue: 9 2023 May 11

Authors Gu Q,Xia C,Liu N,Chen Z,Zhou Q,Li P

Impact of Intermittent Fasting on the Gut Microbiota: A Systematic Review.

Advanced biology , Volume: 7 Issue: 8 2023 Aug

Authors Pérez-Gerdel T,Camargo M,Alvarado M,Ramírez JD

Ethanol extract of propolis regulates type 2 diabetes in mice via metabolism and gut microbiota.

Journal of ethnopharmacology , Volume: 310 2023 Jun 28

Authors Guan R,Ma N,Liu G,Wu Q,Su S,Wang J,Geng Y

Gut microbiota mediates the anti-obesity effect of intermittent fasting by inhibiting intestinal lipid absorption.

The Journal of nutritional biochemistry , Volume: 116 2023 Jun

Authors Yang H,Li C,Che M,Li Y,Feng R,Sun C

Lactobacillus plantarum HF02 alleviates lipid accumulation and intestinal microbiota dysbiosis in high-fat diet-induced obese mice.

Journal of the science of food and agriculture , Volume: 103 Issue: 9 2023 Jul

Authors Chen H,Zhao H,Qi X,Sun Y,Ma Y,Li Q

Goji berry leaf exerts a comparable effect against colitis and microbiota dysbiosis to its fruit in dextran-sulfate-sodium-treated mice.

Food & function , Volume: 14 Issue: 7 2023 Apr 3

Authors Yu C,Chen Y,Ahmadi S,Wu D,Wu J,Ding T,Liu D,Ye X,Chen S,Pan H

Dendrobium officinale alleviates high-fat diet-induced nonalcoholic steatohepatitis by modulating gut microbiota.

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Tian G,Wang W,Xia E,Chen W,Zhang S

Dietary Administration of Black Raspberries and Arsenic Exposure: Changes in the Gut Microbiota and Its Functional Metabolites.

Metabolites , Volume: 13 Issue: 2 2023 Jan 30

Authors Tu P,Tang Q,Mo Z,Niu H,Hu Y,Wu L,Chen Z,Wang X,Gao B

[Effects of kiwi fruit \(*Actinidia chinensis*\) polysaccharides on metabolites and gut microbiota of acrylamide-induced mice.](#)

Frontiers in nutrition , Volume: 10 2023

Authors Chen M,Chen X,Wang K,Cai L,Liu N,Zhou D,Jia W,Gong P,Liu N,Sun Y

[Intestinal microbial composition changes induced by *Lactobacillus plantarum* GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.](#)

Journal of animal science and technology , Volume: 64 Issue: 6 2022 Nov

Authors Yu DY,Oh SH,Kim IS,Kim GI,Kim JA,Moon YS,Jang JC,Lee SS,Jung JH,Park J,Cho KK

[The Dietary Fermentable Fiber Inulin Alters the Intestinal Microbiome and Improves Chronic Kidney Disease Mineral-Bone Disorder in a Rat Model of CKD.](#)

bioRxiv : the preprint server for biology , 2023 Jan 31

Authors Biruete A,Chen NX,Metzger CE,Srinivasan S,Oâ Neill K,Fallen PB,Fonseca A,Wilson HE,de Loo H,Evenepoel P,Swanson KS,Allen MR,Moe SM

[Moringa oleifera leaf ethanolic extract benefits cashmere goat semen quality via improving rumen microbiota and metabolome.](#)

Frontiers in veterinary science , Volume: 10 2023

Authors Liang J,Wu T,Wang T,Ma Y,Li Y,Zhao S,Guo Y,Liu B

[Taiwanese green propolis ameliorates metabolic syndrome via remodeling of white adipose tissue and modulation of gut microbiota in diet-induced obese mice.](#)

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 160 2023 Apr

Authors Chien YH,Yu YH,Chen YW

[Low Weight Polysaccharide of *Heridium erinaceus* Ameliorates Colitis via Inhibiting the NLRP3 Inflammasome Activation in Association with Gut Microbiota Modulation.](#)

Nutrients , Volume: 15 Issue: 3 2023 Feb 1

Authors Ren Y,Sun Q,Gao R,Sheng Y,Guan T,Li W,Zhou L,Liu C,Li H,Lu Z,Yu L,Shi J,Xu Z,Xue Y,Geng Y

[The Antimicrobial Activity of Curcumin and Xanthohumol on Bacterial Biofilms Developed over Dental Implant Surfaces.](#)

International journal of molecular sciences , Volume: 24 Issue: 3 2023 Jan 25

Authors Alonso-Español A,Bravo E,Ribeiro-Vidal H,Virto L,Herrera D,Alonso B,Sanz M

[Lactocaseibacillus casei T1 attenuates *Helicobacter pylori*-induced inflammation and gut microbiota disorders in mice.](#)

BMC microbiology , Volume: 23 Issue: 1 2023 Feb 11

Authors Yu Z,Cao M,Peng J,Wu D,Li S,Wu C,Qing L,Zhang A,Wang W,Huang M,Zhao J

[Inulin supplementation prior to mild traumatic brain injury mitigates gut dysbiosis, and brain vascular and white matter deficits in mice.](#)

Frontiers in microbiomes , Volume: 1 2022

Authors Yanckello LM,Chang YH,Sun M,Chlipala G,Green SJ,Lei Z,Ericsson AC,Xing X,Hammond TC,Bachstetter AD,Lin AL

[A comparison of study on intestinal barrier protection of polysaccharides from *Heridium erinaceus* before and after fermentation.](#)

International journal of biological macromolecules , Volume: 233 2023 Apr 1

Authors Su Y,Cheng S,Ding Y,Wang L,Sun M,Man C,Zhang Y,Jiang Y

[Gut microbial shifts by synbiotic combination of *Pediococcus acidilactici* and lactulose in weaned piglets challenged with Shiga toxin-producing *Escherichia coli*.](#)

Frontiers in veterinary science , Volume: 9 2022

Authors Guevarra RB,Kim ES,Cho JH,Song M,Cho JH,Lee JH,Kim H,Kim S,Keum GB,Lee CH,Cho WT,Watthanaphansak S,Kim HB

[A diet enriched in omega-3 PUFA and inulin prevents type 1 diabetes by restoring gut barrier integrity and immune homeostasis in NOD mice.](#)

Frontiers in immunology , Volume: 13 2022

Authors Lo Conte M,Antonini Cencicchio M,Ulaszewska M,Nobili A,Cosorich I,Ferrarese R,Massimino L,Andolfo A,Ungaro F,Mancini N,Falcone M

[Fructooligosaccharides \(FOS\) differentially modifies the in vitro gut microbiota in an age-dependent manner.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Mahalak KK,Firman J,Narrowe AB,Hu W,Jones SM,Bittinger K,Moustafa AM,Liu L

[Lactobacillus plantarum ZJUIDS14 alleviates non-alcoholic fatty liver disease in mice in association with modulation in the gut microbiota.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Cao F,Ding Q,Zhuge H,Lai S,Chang K,Le C,Yang G,Valencak TG,Li S,Ren D

[Impact of grape polyphenols on *Akkermansia muciniphila* and the gut barrier.](#)

AIMS microbiology , Volume: 8 Issue: 4 2022

Authors Mezhibovsky E,Wu Y,Bawagan FG,Tveter KM,Szeto S,Roopchand D

[Latilactobacillus sakei Furu2019 and stachyose as probiotics, prebiotics, and synbiotics alleviate constipation in mice.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Guo Y,Song L,Huang Y,Li X,Xiao Y,Wang Z,Ren Z

Amelioration of cognitive impairment using epigallocatechin-3-gallate in ovariectomized mice fed a high-fat diet involves remodeling with Prevotella and Bifidobacteriales.

Frontiers in pharmacology , Volume: 13 2022

Authors Qu Y,Wu Y,Cheng W,Wang D,Zeng L,Wang Y,Li T,Zhang L,Yang J,Sun L,Ai J

High-fat diet promotes the effect of fructo-oligosaccharides on the colonic luminal environment, including alkaline phosphatase activity in rats.

Nutrition research (New York, N.Y.) , Volume: 110 2023 Feb

Authors Okazaki Y,Katayama T

The high dose of inulin exacerbated food allergy through the excess accumulation of short-chain fatty acids in a BABL/c mouse model.

International journal of biological macromolecules , Volume: 230 2023 Mar 1

Authors Xie Q,Mu K,Chen C,Gu S,Luo D,Fu W,Xue W

Impact of Saccharomyces boulardii CNCM I-745 on Bacterial Overgrowth and Composition of Intestinal Microbiota in Diarrhea-Predominant Irritable Bowel Syndrome Patients: Results of a Randomized Pilot Study.

Digestive diseases (Basel, Switzerland) , Volume: 41 Issue: 5 2023

Authors Bustos Fernández LM,Man F,Lasa JS

Probiotic Bifidobacterium longum BB68S Improves Cognitive Functions in Healthy Older Adults: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 15 Issue: 1 2022 Dec 22

Authors Shi S,Zhang Q,Sang Y,Ge S,Wang Q,Wang R,He J

Effects of Dietary Protein Restriction on Colonic Microbiota of Finishing Pigs.

Animals : an open access journal from MDPI , Volume: 13 Issue: 1 2022 Dec 20

Authors Liu S,Fan Z

Cranberry-lingonberry juice affects the gut and urinary microbiome in children - a randomized controlled trial.

APMIS : acta pathologica, microbiologica, et immunologica Scandinavica , Volume: 131 Issue: 3 2023 Mar

Authors Hakola M,Vehviläinen P,Muotka J,Tejesvi MV,Pokka T,Vähäsarja P,Hanni AM,Renko M,Uhari M,Salo J,Tapiainen T

Inulin intervention attenuates hepatic steatosis in rats via modulating gut microbiota and maintaining intestinal barrier function.

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Yang Z,Su H,Lv Y,Tao H,Jiang Y,Ni Z,Peng L,Chen X

Diet-rich in wheat bran modulates tryptophan metabolism and AhR/IL-22 signalling mediated metabolic health and gut dysbacteriosis: A novel prebiotic-like activity of wheat bran.

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Yan T,Shi L,Liu T,Zhang X,Yang M,Peng W,Sun X,Yan L,Dai X,Yang X

Thyme (Thymus vulgaris L.) polyphenols ameliorate DSS-induced ulcerative colitis of mice by mitigating intestinal barrier damage, regulating gut microbiota, and suppressing TLR4/NF- κ B-NLRP3 inflammasome pathways.

Food & function , Volume: 14 Issue: 2 2023 Jan 23

Authors Zhou Z,He W,Tian H,Zhan P,Liu J

Quercetin alleviates intestinal inflammation and improves intestinal functions via modulating gut microbiota composition in LPS-challenged laying hens.

Poultry science , Volume: 102 Issue: 3 2023 Mar

Authors Feng J,Li Z,Ma H,Yue Y,Hao K,Li J,Xiang Y,Min Y

Effects of Lactobacillus plantarum and Pediococcus acidilactici co-fermented feed on growth performance and gut microbiota of nursery pigs.

Frontiers in veterinary science , Volume: 9 2022

Authors Yang Y,Yan G,Meng X,Wang X,Zhao Z,Zhou S,Li G,Zhang Q,Wei X

Effects of a Saccharomyces cerevisiae fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.

Journal of animal science , 2022 Dec 27

Authors Oba PM,Carroll MQ,Sieja KM,Nogueira JPS,Yang X,Epp TY,Warzecha CM,Varney JL,Fowler JW,Coon CN,Swanson KS

Green Tea Catechin EGCG Ameliorates Thioacetamide-Induced Hepatic Encephalopathy in Rats via Modulation of the Microbiota-Gut-Liver Axis.

Molecular nutrition & food research , Volume: 67 Issue: 8 2023 Apr

Authors Zhou Z,Li K,Guo J,Wang Y,Wei Y,Duan J,Chen M,Shi L,Hu W

Exercise effect on the gut microbiota in young adolescents with subthreshold depression: A randomized psychoeducation-controlled Trial.

Psychiatry research , Volume: 319 2023 Jan

Authors Wang R,Cai Y,Lu W,Zhang R,Shao R,Yau SY,Stubbs B,McIntyre RS,Su KP,Xu G,Qi L,So KF,Lin K

[Intermittent Fasting Alleviates Risk Markers in a Murine Model of Ulcerative Colitis by Modulating the Gut Microbiome and Metabolome.](#)

Nutrients , Volume: 14 Issue: 24 2022 Dec 14

Authors Wu J,Man D,Shi D,Wu W,Wang S,Wang K,Li Y,Yang L,Bian X,Wang Q,Li L

[Dietary Supplementation with Black Raspberries Altered the Gut Microbiome Composition in a Mouse Model of Colitis-Associated Colorectal Cancer, although with Differing Effects for a Healthy versus a Western Basal Diet.](#)

Nutrients , Volume: 14 Issue: 24 2022 Dec 10

Authors Rodríguez DM,Hintze KJ,Rompato G,Wettere AJV,Ward RE,Phatak S,Neal C,Armbrust T,Stewart EC,Thomas AJ,Benninghoff AD

[Influence of Dietary Inulin on Fecal Microbiota, Cardiometabolic Risk Factors, Eicosanoids, and Oxidative Stress in Rats Fed a High-Fat Diet.](#)

Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 16

Authors Miralles-Pérez B,Nogués MR,Sánchez-Martos V,Fortuño-Mar À,Ramos-Romero S,Torres JL,Ponomarenko J,Amézqueta S,Zhang X,Romeu M

[Simulated Digestion and Fermentation In Vitro by Obese Human Gut Microbiota of Sulfuraphane from Broccoli Seeds.](#)

Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 12

Authors Sun Y,Tang Z,Hao T,Qiu Z,Zhang B

[Dietary Capsaicin: A Spicy Way to Improve Cardio-Metabolic Health?](#)

Biomolecules , Volume: 12 Issue: 12 2022 Nov 29

Authors Szallasi A

[Modulating effects of Hericium erinaceus polysaccharides on the immune response by regulating gut microbiota in cyclophosphamide-treated mice.](#)

Journal of the science of food and agriculture , Volume: 103 Issue: 6 2023 Apr

Authors Tian B,Liu R,Xu T,Cai M,Mao R,Huang L,Yang K,Zeng X,Peilong S

[Underlying beneficial effects of Rhubarb on constipation-induced inflammation, disorder of gut microbiome and metabolism.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Gao H,He C,Hua R,Liang C,Wang B,Du Y,Xin S,Guo Y,Gao L,Zhang L,Shang H,Xu J

[Galactooligosaccharides ameliorate dietary advanced glycation end product-induced intestinal barrier damage in C57BL/6 mice by modulation of the intestinal microbiome.](#)

Food & function , 2022 Dec 20

Authors Nie C,Xie X,Liu H,Yuan X,Ma Q,Tu A,Zhang M,Chen Z,Li J

[Intake of slow-digesting carbohydrates is related to changes in the microbiome and its functional pathways in growing rats with obesity induced by diet.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Plaza-Díaz J,Manzano M,Ruiz-Ojeda FJ,Giron MD,Salto R,López-Pedrosa JM,Santos-Fandila A,García-Corcoles MT,Rueda R,Gil Á

[Effects of Polyphenols and Glucosinolates in Broccoli Extract on Human Gut Microorganisms Based on Simulation In Vitro.](#)

ACS omega , Volume: 7 Issue: 49 2022 Dec 13

Authors Zhang Y,Jiang C,Huang S,Sun J,Song X,Nishanbaev SZ,Benito MJ,Wu Y

[Effects of highland barley \$\beta\$ -glucan on blood glucose and gut microbiota in streptozotocin-induced, diabetic, C57BL/6 mice on a high-fat diet.](#)

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 107 2023 Mar

Authors Zang Y,Liu J,Zhai A,Wu K,Chuang Y,Ge Y,Wang C

[Empire Apple \(Malus domestica\) Juice, Pomace, and Pulp Modulate Intestinal Functionality, Morphology, and Bacterial Populations In Vivo \(Gallus gallus\).](#)

Nutrients , Volume: 14 Issue: 23 2022 Nov 22

Authors Jackson C,Shukla V,Kolba N,Agarwal N,Padilla-Zakour OI,Tako E

[Constipation Mitigation by Rhubarb Extract in Middle-Aged Adults Is Linked to Gut Microbiome Modulation: A Double-Blind Randomized Placebo-Controlled Trial.](#)

International journal of molecular sciences , Volume: 23 Issue: 23 2022 Nov 24

Authors Neyrinck AM,Rodríguez J,Taminiau B,Herpin F,Cani PD,Daube G,Bindels LB,Delzenne NM

[Broccoli seed extract rich in polysaccharides and glucoraphanin ameliorates DSS-induced colitis via intestinal barrier protection and gut microbiota modulation in mice.](#)

Journal of the science of food and agriculture , Volume: 103 Issue: 4 2023 Mar 15

Authors Wu J,Guo W,Cui S,Tang X,Zhang Q,Lu W,Jin Y,Zhao J,Mao B,Chen W

- Wolfberry enhanced the abundance of Akkermansia muciniphila by YAP1 in mice with acetaminophen-induced liver injury.
FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 37
 Issue: 1 2023 Jan
 Authors Liu Y,Xue Y,Zhang Z, Ji J,Li C,Zheng K,Lu J,Gao Y,Gong Y,Zhang Y,Shi X
Effects of Omega-3-Rich Pork Lard on Serum Lipid Profile and Gut Microbiome in C57BL/6NJ Mice.
- International journal of food science** , Volume: 2022 2022
 Authors Koontanatechanon A,Wongphatcharachai M,Nonthabenjawan N,Jariyahatthakij P,Khorporn T,Parnsen W,Keattisin B,Leksrisompong P,Srichana P,Prasopdee S,Roytrakul S,Sriyakul K,Thitapakorn V,Pawa KK
Tea polyphenol and epigallocatechin gallate ameliorate hyperlipidemia via regulating liver metabolism and remodeling gut microbiota.
- Food chemistry** , Volume: 404 Issue: Pt A 2023 Mar 15
 Authors Wen JJ,Li MZ,Chen CH,Hong T,Yang JR,Huang XJ,Geng F,Hu JL,Nie SP
The effects of Saccharomyces boulardii on rat colonic hypermotility induced by repeated water avoidance stress and the potential mechanism.
- PeerJ** , Volume: 10 2022
 Authors Liu J,Ren H,Yuan F,Shao M,Luo H
Effect of Chia (Salvia hispanica L.) Associated with High-Fat Diet on the Intestinal Health of Wistar Rats.
- Nutrients** , Volume: 14 Issue: 22 2022 Nov 21
 Authors Mishima MDV, Da Silva BP,Gomes MJC,Toledo RCL,Mantovani HC,José VPBS,Costa NMB,Tako E,Martino HSD
Sodium Alginate Prevents Non-Alcoholic Fatty Liver Disease by Modulating the Gut-Liver Axis in High-Fat Diet-Fed Rats.
- Nutrients** , Volume: 14 Issue: 22 2022 Nov 16
 Authors Zhao H,Gao X,Liu Z,Zhang L,Fang X,Sun J,Zhang Z,Sun Y
Assessment of the Gut Microbiota during Juice Fasting with and without Inulin Supplementation: A Feasibility Study in Healthy Volunteers.
- Foods (Basel, Switzerland)** , Volume: 11 Issue: 22 2022 Nov 16
 Authors Thriene K,Stanislas V,Amend L,Strowig T,Michels KB
Polysaccharides from Pseudostellaria heterophylla modulate gut microbiota and alleviate syndrome of spleen deficiency in rats.
- Scientific reports** , Volume: 12 Issue: 1 2022 Nov 23
 Authors Xiao Q,Zhao L,Jiang C,Zhu Y,Zhang J,Hu J,Wang G
Investigation of Immunostimulatory Effects of Heat-Treated Lactiplantibacillus plantarum LM1004 and Its Underlying Molecular Mechanism.
- Food science of animal resources** , Volume: 42 Issue: 6 2022 Nov
 Authors Bae WY,Jung WH,Shin SL,Kwon S,Sohn M,Kim TR
Lactocaseibacillus casei ATCC334 Ameliorates Radiation-Induced Intestinal Injury in Rats by Targeting Microbes and Metabolites.
- Molecular nutrition & food research** , Volume: 67 Issue: 1 2023 Jan
 Authors Hua Q,Zhang H,Xu R,Tian C,Gao T,Yuan Y,Han Y,Li Y,Qi C,Zhong F, Ma A
Exploratory analysis of one versus two-day intermittent fasting protocols on the gut microbiome and plasma metabolome in adults with overweight/obesity.
- Frontiers in nutrition** , Volume: 9 2022
 Authors Mohr AE,Jasbi P,Bowes DA,Dirks B,Whisner CM,Arciero KM,Poe M,Gu H,Gumprich E,Sweazea KL,Arciero PJ
Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.
- Applied microbiology and biotechnology** , Volume: 106 Issue: 24 2022 Dec
 Authors Zhai T,Ren W,Wang P,Zheng L
Diets enriched with finely ground wheat bran alter digesta passage rate and composition of the gut microbiome in sows.
- Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 12 2023 Mar
 Authors Wang Z,Wang W,Xu S,Ding J,Zeng X,Liu H,Wang F
Long-Term Lactulose Administration Improves Dysbiosis Induced by Antibiotic and C. difficile in the PathoGut(TM) SHIME Model.
- Antibiotics (Basel, Switzerland)** , Volume: 11 Issue: 11 2022 Oct 24
 Authors Calatayud M,Duysburgh C, Van den Abbeele P,Franckenstein D,Kuchina-Koch A,Marzorati M
Dynamics of Gut Microbiota and Clinical Variables after Ketogenic and Mediterranean Diets in Drug-Naïve Patients with Type 2 Diabetes Mellitus and Obesity.
- Metabolites** , Volume: 12 Issue: 11 2022 Nov 10
 Authors Deledda A,Palmas V,Heidrich V,Fosci M,Lombardo M,Cambarau G,Lai A,Melis M,Loi E,Loviselli A,Manzin A,Velluzzi F
Effects of Proteases from Pineapple and Papaya on Protein Digestive Capacity and Gut Microbiota in Healthy C57BL/6 Mice and Dose-Manner Response on Mucosal Permeability in Human Reconstructed Intestinal 3D Tissue Model.

Metabolites , Volume: 12 Issue: 11 2022 Oct 26

Authors Kostiuchenko O,Kravchenko N,Markus J,Burleigh S,Fedkiv O,Cao L,Letasiova S,Skibo G,Fåk Hållenius F,Prykhodko O

[Effect of garlic extract on weight loss and gut microbiota composition in obese women: A double-blind randomized controlled trial.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Ettehad-Marvasti F,Ejtahed HS,Siadat SD,Soroush AR,Hoseini-Tavassol Z,Hasani-Ranjbar S,Larijani B

[Structural Insights into Amelioration Effects of Quercetin and Its Glycoside Derivatives on NAFLD in Mice by Modulating the Gut Microbiota and Host Metabolism.](#)

Journal of agricultural and food chemistry , Volume: 70 Issue: 46 2022 Nov 23

Authors Shi Z,Zhang C,Lei H,Chen C,Cao Z,Song Y,Chen G,Wu F,Zhou J,Lu Y,Zhang L

[Molecular actions of different functional oligosaccharides on intestinal integrity, immune function and microbial community in weanling pigs.](#)

Food & function , Volume: 13 Issue: 23 2022 Nov 28

Authors Gao H,Sun F,Lin G,Guo Y,Zhao J

[Gut microbiome and metabolome analyses reveal the protective effect of special high-docosaehexaenoic acid tuna oil on d-galactose-induced aging in mice.](#)

Food science & nutrition , Volume: 10 Issue: 11 2022 Nov

Authors Zhang J,Yi C,Han J,Ming T,Zhou J,Lu C,Li Y,Su X

[Effect of chia flour associated with high fat diet on intestinal health in female ovariectomized Wistar rats.](#)

European journal of nutrition , Volume: 62 Issue: 2 2023 Mar

Authors Mishima MDV,da Silva BP,Gomes MJC,Toledo RCL,Pereira CER,Costa NMB,Martino HSD

[Flavones interact with fiber to affect fecal bacterial communities in vitro.](#)

Food chemistry , Volume: 404 Issue: Pt B 2023 Mar 15

Authors Loo YT,Howell K,Suleria H,Zhang P,Liu S,Ng K

[Potential benefits of metformin and pioglitazone combination therapy via gut microbiota and metabolites in high-fat diet-fed mice.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Wang D,Liu J,Zhong L,Ding L,Zhang Q,Yu M,Li M,Xiao X

[Gut microbiota profiling in aged dogs after feeding pet food contained Hericium erinaceus.](#)

Journal of animal science and technology , Volume: 64 Issue: 5 2022 Sep

Authors Cho HW,Choi S,Seo K,Kim KH,Jeon JH,Kim CH,Lim S,Jeong S,Chun JL

[\[A prospective randomized comparative study of the efficacy and safety of a two-week bismuth-based quadrotherapy of Helicobacter pylori infection with the inclusion of the probiotic containing Bifidobacterium longum BB-46 and Enterococcus faecium ENCfa-68 \].](#)

Terapevticheskii arkhiv , Volume: 93 Issue: 8 2021 Aug 15

Authors Yakovenko EP,Strokova TV,Iakovenko AV,Ivanov AN,Soluyanov IP,Vasilyev NN

[Jerusalem artichoke inulin supplementation ameliorates hepatic lipid metabolism in type 2 diabetes mellitus mice by modulating the gut microbiota and fecal metabolome.](#)

Food & function , Volume: 13 Issue: 22 2022 Nov 14

Authors Li J,Jia S,Yuan C,Yu B,Zhang Z,Zhao M,Liu P,Li X,Cui B

[Effect of fruit intake on functional constipation: A systematic review and meta-analysis of randomized and crossover studies.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Huo J,Wu L,Lv J,Cao H,Gao Q

[Identification of oncogenic signatures in the inflammatory colon of C57BL/6 mice fed a high-fat diet.](#)

The Journal of nutritional biochemistry , Volume: 111 2023 Jan

Authors Zeng H,Safratowich BD,Cheng WH,Bukowski MR

[Effects of iron deficiency and iron supplementation at the host-microbiota interface: Could a piglet model unravel complexities of the underlying mechanisms?](#)

Frontiers in nutrition , Volume: 9 2022

Authors Abbas M,Hayirli Z,Drakesmith H,Andrews SC,Lewis MC

[Inulin accelerates weight loss in obese mice by regulating gut microbiota and serum metabolites.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Wu Z,Du Z,Tian Y,Liu M,Zhu K,Zhao Y,Wang H

[Differential regulation and preventive mechanisms of green tea powder with different quality attributes on high-fat diet-induced obesity in mice.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Wang J,Dong L,Hu JQ,Wang YY,Li A,Peng B,Zhang BW,Liu JM,Wang S

[Treadmill Exercise Modulates Intestinal Microbes and Suppresses LPS Displacement to Alleviate Neuroinflammation in the](#)

Brains of APP/PS1 Mice.**Nutrients** , Volume: 14 Issue: 19 2022 Oct 5

Authors Yuan S,Yang J,Jian Y,Lei Y,Yao S,Hu Z,Liu X,Tang C,Liu W

The polysaccharides from the fruits of Lycium barbarum L. modify the gut community profile and alleviate dextran sulfate sodium-induced colitis in mice.**International journal of biological macromolecules** , Volume: 222 Issue: Pt B 2022 Dec 1

Authors Zhou W,Kan X,Chen G,Sun Y,Ran L,Yan Y,Mi J,Lu L,Zeng X,Cao Y

Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF- κ B pathway mediated by gut microbiota disturbance in obese dogs.**Research in veterinary science** , Volume: 152 2022 Dec 20

Authors Lu J,Zhu D,Lu J,Liu J,Wu Z,Liu L

Swimming exercise ameliorates depressive-like behavior by anti-inflammation activity, rebalancing gut Escherichia coli and Lactobacilli.**Brain research** , Volume: 1797 2022 Dec 15

Authors Ding Z,Du L

Oral administration of Lactobacillus plantarum JC7 alleviates OVA-induced murine food allergy through immunoregulation and restoring disordered intestinal microbiota.**European journal of nutrition** , Volume: 62 Issue: 2 2023 Mar

Authors Duan C,Ma L,Yu J,Sun Y,Liu L,Ma F,Li X,Li D

Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.**Journal of physiology and pharmacology : an official journal of the Polish Physiological Society** , Volume: 73 Issue: 2 2022 Apr

Authors Li Z,Lei L,Ling L,Liu Y,Xiong Z,Shao Y

Cocoa seeds and chocolate products interaction with gut microbiota; mining microbial and functional biomarkers from mechanistic studies, clinical trials and 16S rRNA amplicon sequencing.**Critical reviews in food science and nutrition** , Volume: 64 Issue: 10 2024

Authors Farag MA,Hariri MLM,Ehab A,Homsi MN,Zhao C,von Bergen M

The potential role of lactulose pharmacotherapy in the treatment and prevention of diabetes.**Frontiers in endocrinology** , Volume: 13 2022

Authors Chu N,Ling J,Jie H,Leung K,Poon E

Effects of low protein diet with a balanced amino acid pattern on growth performance, meat quality and cecal microflora of finishing pigs.**Journal of the science of food and agriculture** , Volume: 103 Issue: 2 2023 Jan 30

Authors Liu S,Xie J,Fan Z,Ma X,Yin Y

(-)-Epicatechin mitigates anxiety-related behavior in a mouse model of high fat diet-induced obesity.**The Journal of nutritional biochemistry** , Volume: 110 2022 Dec

Authors Kang J,Wang Z,Cremonini E,Le Gall G,Pontifex MG,Muller M,Vauzour D,Oteiza PI

Epigallocatechin-3-Gallate Improves Intestinal Gut Microbiota Homeostasis and Ameliorates Clostridioides difficile Infection.**Nutrients** , Volume: 14 Issue: 18 2022 Sep 11

Authors Wu Z,Shen J,Xu Q,Xiang Q,Chen Y,Lv L,Zheng B,Wang Q,Wang S,Li L

Correlation between Olive Oil Intake and Gut Microbiota in Colorectal Cancer Prevention.**Nutrients** , Volume: 14 Issue: 18 2022 Sep 10

Authors Memmola R,Petrillo A,Di Lorenzo S,Altuna SC,Habeeb BS,Soggiu A,Bonizzi L,Garrone O,Ghidini M

Lactobacillus plantarum ST-III modulates abnormal behavior and gut microbiota in a mouse model of autism spectrum disorder.**Physiology & behavior** , Volume: 257 2022 Dec 1

Authors Guo M,Li R,Wang Y,Ma S,Zhang Y,Li S,Zhang H,Liu Z,You C,Zheng H

Comprehensive analysis of microbiome, metabolome and transcriptome revealed the mechanisms of Moringa oleifera polysaccharide on preventing ulcerative colitis.**International journal of biological macromolecules** , Volume: 222 Issue: Pt A 2022 Dec 1

Authors Tian H,Wen Z,Liu Z,Guo Y,Liu G,Sun B

Impact of Propolis on Escherichia coli and Bacillus subtilis Based on Total DNA, RNA and Protein Levels.**Pakistan journal of biological sciences : PJBS** , Volume: 25 Issue: 9 2022 Jan

Authors Nafea EA,Yousef AD,Dereny SHE,Abdel-Hameed KHM,Mahfouz HM,Farghaly DS

Effect of aqueous and organic solvent extraction on in-vitro antimicrobial activity of two varieties of fresh ginger (Zingiber officinale) and garlic (Allium sativum).**Heliyon** , Volume: 8 Issue: 9 2022 Sep

Authors Akullo JO,Kiagi B,Nakimbugwe D,Kinyuru J

Formation of cinnamon essential oil/xanthan gum/chitosan composite microcapsules basing on Pickering emulsions.

Colloid and polymer science , Volume: 300 Issue: 10 2022

Authors Li X,Gao Y,Li Y,Li Y,Liu H,Yang Z,Wu H,Hu Y

Effect of dietary resveratrol supplementation on growth performance, antioxidant capacity, intestinal immunity and gut microbiota in yellow-feathered broilers challenged with lipopolysaccharide.

Frontiers in microbiology , Volume: 13 2022

Authors He Z,Li Y,Xiong T,Nie X,Zhang H,Zhu C

Intermittent fasting positively modulates human gut microbial diversity and ameliorates blood lipid profile.

Frontiers in microbiology , Volume: 13 2022

Authors Khan MN,Khan SI,Rana MI,Ayyaz A,Khan MY,Imran M

Intermittent fasting positively modulates human gut microbial diversity and ameliorates blood lipid profile.

Frontiers in microbiology , Volume: 13 2022

Authors Khan MN,Khan SI,Rana MI,Ayyaz A,Khan MY,Imran M

Antibacterial and antibiofilm activity of Lactobacillus strains secretome and extraction against Escherichia coli isolated from urinary tract infection.

Biotechnology reports (Amsterdam, Netherlands) , Volume: 36 2022 Dec

Authors Soltani N,Abbasi S,Baghaeifar S,Taheri E,Farhoudi Sefidan Jadid M,Emami P,Abolhasani K,Aslanshirzadeh F

Comparing the Effects of Concord Grape (Vitis labrusca L.) Puree, Juice, and Pomace on Intestinal Morphology, Functionality, and Bacterial Populations In Vivo (Gallus gallus).

Nutrients , Volume: 14 Issue: 17 2022 Aug 27

Authors Agarwal N,Shukla V,Kolba N,Jackson C,Cheng J,Padilla-Zakour OI,Tako E

Impact of Clarified Apple Juices with Different Processing Methods on Gut Microbiota and Metabolomics of Rats.

Nutrients , Volume: 14 Issue: 17 2022 Aug 25

Authors Xu L,Yang S,Wang K,Lu A,Wang X,Xu Z

Metabologenomic Approach Reveals Intestinal Environmental Features Associated with Barley-Induced Glucose Tolerance Improvements in Japanese: A Randomized Controlled Trial.

Nutrients , Volume: 14 Issue: 17 2022 Aug 24

Authors Goto Y,Nishimoto Y,Murakami S,Nomaguchi T,Mori Y,Ito M,Nakaguro R,Kudo T,Matsuoka T,Yamada T,Kobayashi T,Fukuda S

Green tea extract alters gut microbiota and their metabolism of adults with metabolic syndrome in a host-free human colonic model.

Food research international (Ottawa, Ont.) , Volume: 160 2022 Oct

Authors Zhang S,Xu M,Sun X,Shi H,Zhu J

Detection of indigenous gut bacteria related to red chilli pepper (Capsicum annuum) in murine caecum and human faecal cultures.

Molecular biology reports , Volume: 49 Issue: 11 2022 Nov

Authors Xia Y,Lee G,Yamamoto M,Takahashi H,Kuda T

The antidiabetic effects of Bifidobacterium longum subsp. longum BL21 through regulating gut microbiota structure in type 2 diabetic mice.

Food & function , Volume: 13 Issue: 19 2022 Oct 3

Authors Hao J,Zhang Y,Wu T,Liu R,Sui W,Zhu J,Fang S,Geng J,Zhang M

Effect of a diet rich in galactose or fructose, with or without fructooligosaccharides, on gut microbiota composition in rats.

Frontiers in nutrition , Volume: 9 2022

Authors Mhd Omar NA,Dicksved J,Kruger J,Zamaratskaia G,Michaëlsson K,Wolk A,Frank J,Landberg R

Eugenol, A Major Component of Clove Oil, Attenuates Adiposity, and Modulates Gut Microbiota in High-Fat Diet-Fed Mice.

Molecular nutrition & food research , Volume: 66 Issue: 20 2022 Oct

Authors Li M,Zhao Y,Wang Y,Geng R,Fang J,Kang SG,Huang K,Tong T

Effect of Fructooligosaccharides Supplementation on the Gut Microbiota in Human: A Systematic Review and Meta-Analysis.

Nutrients , Volume: 14 Issue: 16 2022 Aug 12

Authors Dou Y,Yu X,Luo Y,Chen B,Ma D,Zhu J

Regulation of a High-Iron Diet on Lipid Metabolism and Gut Microbiota in Mice.

Animals : an open access journal from MDPI , Volume: 12 Issue: 16 2022 Aug 13

Authors Xiong Q,Zhao J,Tian C,Ma W,Miao L,Liang L,Zhang K,Du H

Selenium-enriched Bifidobacterium longum DD98 effectively ameliorates dextran sulfate sodium-induced ulcerative colitis in mice.

Frontiers in microbiology , Volume: 13 2022

Authors Hu Y,Jin X,Gao F,Lin T,Zhu H,Hou X,Yin Y,Kan S,Chen D

Bifidobacterium longum CECT 7894 Improves the Efficacy of Infliximab for DSS-Induced Colitis via Regulating the Gut

Microbiota and Bile Acid Metabolism.**Frontiers in pharmacology** , Volume: 13 2022

Authors Xiao F,Dong F,Li X,Li Y,Yu G,Liu Z,Wang Y,Zhang T

Human supplementation with *Pediococcus acidilactici* GR-1 decreases heavy metals levels through modifying the gut microbiota and metabolome.**NPJ biofilms and microbiomes** , Volume: 8 Issue: 1 2022 Aug 16

Authors Feng P,Yang J,Zhao S,Ling Z,Han R,Wu Y,Salama ES,Kakade A,Khan A,Jin W,Zhang W,Jeon BH,Fan J,Liu M,Mamtimin T,Liu P,Li X

High fat diets induce early changes in gut microbiota that may serve as markers of ulterior altered physiological and biochemical parameters related to metabolic syndrome. Effect of virgin olive oil in comparison to butter.**PloS one** , Volume: 17 Issue: 8 2022

Authors Andújar-Tenorio N,Prieto I,Cobo A,Martínez-Rodríguez AM,Hidalgo M,Segarra AB,Ramírez M,Gálvez A,Martínez-Cañamero M

Antimicrobial Properties of Acrylic Resin Incorporated with Propolis Nanoparticles.**Frontiers in dentistry** , Volume: 18 2021

Authors Arab S,Bahador A,Sodagar A,Pourhajibagher M,Akhavan A,Hafith AN,Pornamazeh T

Supplementation of polyphenol-rich grapes attenuates colitis, colitis-associated colon cancer, and disease-associated dysbiosis in mice, but fails to mitigate colitis in antibiotic-treated mice.**The Journal of nutritional biochemistry** , Volume: 109 2022 Nov

Authors Zhao Y,Nakatsu C,Jones-Hall Y,Jiang Q

Effect of Intensity and Duration of Exercise on Gut Microbiota in Humans: A Systematic Review.**International journal of environmental research and public health** , Volume: 19 Issue: 15 2022 Aug 3

Authors Bonomini-Gnutzmann R,Plaza-Díaz J,Jorquera-Aguilera C,Rodríguez-Rodríguez A,Rodríguez-Rodríguez F

Modified highland barley regulates lipid metabolism, liver inflammation and gut microbiota in high-fat/cholesterol diet mice as revealed by LC-MS based metabolomics.**Food & function** , Volume: 13 Issue: 17 2022 Aug 30

Authors Li X,Du Y,Zhang C,Tu Z,Wang L

On the effect of flavonoids and dietary fibre in lingonberries on atherosclerotic plaques, lipid profiles and gut microbiota composition in Apoe(-/-) mice.**International journal of food sciences and nutrition** , Volume: 73 Issue: 8 2022 Dec

Authors Liu J,Hefni ME,Witthöft CM,Bergström M,Burleigh S,Nyman M,Hållénus F

Consumption of Wheat Peptides Improves Functional Constipation: A Translational Study in Humans and Mice.**Molecular nutrition & food research** , Volume: 66 Issue: 19 2022 Oct

Authors Wang Q,Shen F,Zhang J,Cai H,Pan Y,Sun T,Gong Y,Du J,Zhong H,Feng F

Bacillus coagulans in Combination with Chitooligosaccharides Regulates Gut Microbiota and Ameliorates the DSS-Induced Colitis in Mice.**Microbiology spectrum** , Volume: 10 Issue: 4 2022 Aug 31

Authors Liu Z,Jiang Z,Zhang Z,Liu T,Fan Y,Liu T,Peng N

Dietary Goji Shapes the Gut Microbiota to Prevent the Liver Injury Induced by Acute Alcohol Intake.**Frontiers in nutrition** , Volume: 9 2022

Authors Guo L,Guan Q,Duan W,Ren Y,Zhang XJ,Xu HY,Shi JS,Wang FZ,Lu R,Zhang HL,Xu ZH,Li H,Geng Y

In Vitro Analysis of Extracts of Plant Used in Mexican Traditional Medicine, Which Are Useful to Combat *Clostridioides difficile* Infection.**Pathogens (Basel, Switzerland)** , Volume: 11 Issue: 7 2022 Jul 7

Authors Martínez-Alva JE,Espinoza-Simón E,Bayona-Pérez Y,Ruiz-Pérez NC,Ochoa SA,Xicohtencatl-Cortes J,Torres J,Romo-Castillo M

Antimicrobial Activity of Essential Oils Evaluated In Vitro against *Escherichia coli* and *Staphylococcus aureus*.**Antibiotics (Basel, Switzerland)** , Volume: 11 Issue: 7 2022 Jul 20

Authors Galgano M,Capozza P,Pellegrini F,Cordisco M,Sposato A,Sblano S,Camero M,Lanave G,Fracchiolla G,Corrente M,Cirone F,Trotta A,Tempesta M,Buonavoglia D,Pratelli A

Inulin-type fructans change the gut microbiota and prevent the development of diabetic nephropathy.**Pharmacological research** , Volume: 183 2022 Sep

Authors Luo L,Luo J,Cai Y,Fu M,Li W,Shi L,Liu J,Dong R,Xu X,Tu L,Yang Y

Dysregulation of intestinal flora: excess prepackaged soluble fibers damage the mucus layer and induce intestinal inflammation.**Food & function** , Volume: 13 Issue: 16 2022 Aug 15

Authors Chen K,Man S,Wang H,Gao C,Li X,Liu L,Wang H,Wang Y,Lu F

Lycium barbarum polysaccharide modulates gut microbiota to alleviate rheumatoid arthritis in a rat model.

NPJ science of food , Volume: 6 Issue: 1 2022 Jul 21

Authors Lai W,Wang C,Lai R,Peng X,Luo J

[Gender-based effect of absence of gut microbiota on the protective efficacy of Bifidobacterium longum-fermented rice bran diet against inflammation-associated colon tumorigenesis.](#)

Molecular carcinogenesis , Volume: 61 Issue: 10 2022 Oct

Authors Kumar R,Maurya AK,Parker KD,Kant R,Ibrahim H,Kabir MI,Kumar D,Weber AM,Agarwal R,Kuhn KA,Ryan EP,Raina K

[Dendrobium officinale polysaccharide attenuates cognitive impairment in circadian rhythm disruption mice model by modulating gut microbiota.](#)

International journal of biological macromolecules , Volume: 217 2022 Sep 30

Authors Sun Y,Zeng X,Liu Y,Zhan S,Wu Z,Zheng X,Zhang X

[Recombinant Bifidobacterium longum Carrying Endostatin Protein Alleviates Dextran Sodium Sulfate-Induced Colitis and Colon Cancer in Rats.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Bi Z,Cui E,Yao Y,Chang X,Wang X,Zhang Y,Xu GX,Zhuang H,Hua ZC

[Hypoglycemic Effects of Lycium barbarum Polysaccharide in Type 2 Diabetes Mellitus Mice via Modulating Gut Microbiota.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Ma Q,Zhai R,Xie X,Chen T,Zhang Z,Liu H,Nie C,Yuan X,Tu A,Tian B,Zhang M,Chen Z,Li J

[Effect of chicory-derived inulin-type fructans on abundance of Bifidobacterium and on bowel function: a systematic review with meta-analyses.](#)

Critical reviews in food science and nutrition , Volume: 63 Issue: 33 2023 Nov

Authors Nagy DU,Sándor-Bajusz KA,Bódy B,Decsi T,Van Harsselaar J,Theis S,Lohner S

[Effect of voluntary wheel running on gut microbiota composition in developing mice.](#)

Nutricion hospitalaria , Volume: 39 Issue: 4 2022 Aug 25

Authors Wan C,Liu ZB,Tan H,Zhang Z,Zhou Q,Yao LH,Meng W,Wang S

[Dietary Eugend Nanoemulsion Potentiated Performance of Broiler Chickens: Orchestration of Digestive Enzymes, Intestinal Barrier Functions and Cytokines Related Gene Expression With a Consequence of Attenuating the Severity of E. coli O78 Infection.](#)

Frontiers in veterinary science , Volume: 9 2022

Authors Ibrahim D,Eldemery F,Metwally AS,Abd-Allah EM,Mohamed DT,Ismail TA,Hamed TA,Al Sadik GM,Neamat-Allah ANF,Abd El-Hamid MI

[Effects of Oats, Tartary Buckwheat, and Foxtail Millet Supplementation on Lipid Metabolism, Oxido-Inflammatory Responses, Gut Microbiota, and Colonic SCFA Composition in High-Fat Diet Fed Rats.](#)

Nutrients , Volume: 14 Issue: 13 2022 Jul 4

Authors Wang Y,Qi W,Guo X,Song G,Pang S,Fang W,Peng Z

[Identification of Nordic Berries with Beneficial Effects on Cognitive Outcomes and Gut Microbiota in High-Fat-Fed Middle-Aged C57BL/6J Mice.](#)

Nutrients , Volume: 14 Issue: 13 2022 Jun 30

Authors Huang F,Marungruang N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållénus FF,Heyman-Lindén L

[Functional Fiber Reduces Mice Obesity by Regulating Intestinal Microbiota.](#)

Nutrients , Volume: 14 Issue: 13 2022 Jun 28

Authors Zhang M,Liu J,Li C,Gao J,Xu C,Wu X,Xu T,Cui C,Wei H,Peng J,Zheng R

[The Effects of Time-Restricted Eating on Metabolism and Gut Microbiota: A Real-Life Study.](#)

Nutrients , Volume: 14 Issue: 13 2022 Jun 21

Authors Ferrocino I,Pellegrini M,D'Eusebio C,Goitre I,Ponzo V,Fadda M,Rosato R,Mengozzi G,Beccuti G,Merlo FD,Rahimi F,Comazzi I,Cocolin L,Ghigo E,Bo S

[Binary Synergistic Combinations of Lavender and Fennel Essential Oils with Amoxicillin.](#)

Planta medica , Volume: 89 Issue: 8 2023 Jul

Authors Karadağ AE,Çaskurlu A,Demirci B,Demirci F

[In vivo Trial of Bifidobacterium longum Revealed the Complex Network Correlations Between Gut Microbiota and Health Promotional Effects.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Kim YT,Kim CH,Kwon JG,Cho JH,Shin YS,Kim HB,Lee JH

[The regulatory effect of fermented black barley on the gut microbiota and metabolic dysbiosis in mice exposed to cigarette smoke.](#)

Food research international (Ottawa, Ont.) , Volume: 157 2022 Jul

Authors Zhong L,Qin L,Ding X,Ma L,Wang Y,Liu M,Chen H,Yan H,Song L

[Regulatory Effect of Lactiplantibacillus plantarum 2-33 on Intestinal Microbiota of Mice With Antibiotic-Associated Diarrhea.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Bao W,He Y,Yu J,Liu M,Yang X,Ta N,Zhang E,Liang C

Effects of Lactobacillus curvatus HY7601 and Lactobacillus plantarum KY1032 on Overweight and the Gut Microbiota in Humans: Randomized, Double-Blinded, Placebo-Controlled Clinical Trial.

Nutrients , Volume: 14 Issue: 12 2022 Jun 15

Authors Mo SJ, Lee K, Hong HJ, Hong DK, Jung SH, Park SD, Shim JJ, Lee JL

Metformin Influence on the Intestinal Microbiota and Organism of Rats with Metabolic Syndrome.

International journal of molecular sciences , Volume: 23 Issue: 12 2022 Jun 20

Authors Ermolenko E, Simanenkova A, Voropaeva L, Lavrenova N, Kotyleva M, Minasian S, Chernikova A, Timkina N, Gladyshev N, Dmitriev A, Suvorov A, Galagudza M, Karonova T

Dietary Moringa oleifera leaf powder improves jejunal permeability and digestive function by modulating the microbiota composition and mucosal immunity in heat stressed rabbits.

Environmental science and pollution research international , Volume: 29 Issue: 53 2022 Nov

Authors Khalid AR, Yasoob TB, Zhang Z, Zhu X, Hang S

2'-Fucosyllactose Increases the Abundance of Blautia in the Presence of Extracellular Fucosidase-Possessing Bacteria.

Frontiers in microbiology , Volume: 13 2022

Authors Horigome A, Hashikura N, Yoshida K, Xiao JZ, Odamaki T

Lactobacillus plantarum FRT4 alleviated obesity by modulating gut microbiota and liver metabolome in high-fat diet-induced obese mice.

Food & nutrition research , Volume: 66 2022

Authors Cai H, Wen Z, Zhao L, Yu D, Meng K, Yang P

Saccharomyces boulardii, a yeast probiotic, inhibits gut motility through upregulating intestinal serotonin transporter and modulating gut microbiota.

Pharmacological research , Volume: 181 2022 Jul

Authors Gu Y, Wang C, Qin X, Zhou B, Liu X, Liu T, Xie R, Liu J, Wang B, Cao H

Combination of Houttuynia cordata polysaccharide and Lactiplantibacillus plantarum P101 alleviates acute liver injury by regulating gut microbiota in mice.

Journal of the science of food and agriculture , Volume: 102 Issue: 15 2022 Dec

Authors Xu X, Liu S, Zhao Y, Wang M, Hu L, Li W, Xu H

Investigating Ramadan Like Fasting Effects on the Gut Microbiome in BALB/c Mice.

Frontiers in nutrition , Volume: 9 2022

Authors Su J, Li F, Wang Y, Su Y, Verhaar A, Ma Z, Peppelenbosch MP

Bifidobacterium longum CCFM752 prevented hypertension and aortic lesion, improved antioxidative ability, and regulated the gut microbiome in spontaneously hypertensive rats.

Food & function , Volume: 13 Issue: 11 2022 Jun 6

Authors Lu W, Wang Y, Fang Z, Wang H, Zhu J, Zhai Q, Zhao J, Zhang H, Chen W

Antibacterial and antibiofilm activities of some plant essential oils and synergistic effects of cinnamon essential oil with vancomycin against Clostridioides difficile: in vitro study.

Letters in applied microbiology , Volume: 75 Issue: 3 2022 Sep

Authors Tosun MN, Taylan G, Demirel Zorba NN

Beneficial Effects of a Low-Glycemic Diet on Serum Metabolites and Gut Microbiota in Obese Women With Prevotella and Bacteriodes Enterotypes: A Randomized Clinical Trial.

Frontiers in nutrition , Volume: 9 2022

Authors Hur HJ, Wu X, Yang HJ, Kim MJ, Lee KH, Hong M, Park S, Kim MS

Biogenic Synthesis and Characterization of Chitosan-CuO Nanocomposite and Evaluation of Antibacterial Activity against Gram-Positive and -Negative Bacteria.

Polymers , Volume: 14 Issue: 9 2022 Apr 29

Authors Umoren PS, Kavaz D, Nzila A, Sankaran SS, Umoren SA

Crude Polysaccharide Extracted From Moringa oleifera Leaves Prevents Obesity in Association With Modulating Gut Microbiota in High-Fat Diet-Fed Mice.

Frontiers in nutrition , Volume: 9 2022

Authors Li L, Ma L, Wen Y, Xie J, Yan L, Ji A, Zeng Y, Tian Y, Sheng J

Pomegranate juice alters the microbiota in breast milk and infant stool: a pilot study.

Food & function , Volume: 13 Issue: 10 2022 May 23

Authors Henning SM, Yang J, Lee RP, Huang J, Thames G, Korn M, Ben-Nissan D, Heber D, Li Z

Pomegranate peel polyphenols interaction with intestinal flora and its metabolic transformation.

Xenobiotica; the fate of foreign compounds in biological systems , Volume: 52 Issue: 5 2022 May

Authors Shi H, Yang J, Li J

Dendrobium officinale leaf polysaccharides ameliorated hyperglycemia and promoted gut bacterial associated SCFAs to

[alleviate type 2 diabetes in adult mice.](#)

Food chemistry: X , Volume: 13 2022 Mar 30

Authors Fang J,Lin Y,Xie H,Farag MA,Feng S,Li J,Shao P

[The Protective Effects of Inulin-Type Fructans Against High-Fat/Sucrose Diet-Induced Gestational Diabetes Mice in Association With Gut Microbiota Regulation.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Miao M,Wang Q,Wang X,Fan C,Luan T,Yan L,Zhang Y,Zeng X,Dai Y,Li P

[Oligosaccharides derived from Lycium barbarum ameliorate glycolipid metabolism and modulate the gut microbiota community and the faecal metabolites in a type 2 diabetes mouse model: metabolomic bioinformatic analysis.](#)

Food & function , Volume: 13 Issue: 9 2022 May 10

Authors Liu H,Zhang Z,Li J,Liu W,Warda M,Cui B,Abd El-Aty AM

[Lactobacillus casei Improve Anti-Tuberculosis Drugs-Induced Intestinal Adverse Reactions in Rat by Modulating Gut Microbiota and Short-Chain Fatty Acids.](#)

Nutrients , Volume: 14 Issue: 8 2022 Apr 17

Authors Li Y,Zhao L,Hou M,Gao T,Sun J,Luo H,Wang F,Zhong F,Ma A,Cai J

[Digestive Characteristics of Hericium erinaceus Polysaccharides and Their Positive Effects on Fecal Microbiota of Male and Female Volunteers During in vitro Fermentation.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Tian B,Geng Y,Xu T,Zou X,Mao R,Pi X,Wu W,Huang L,Yang K,Zeng X,Sun P

[Dietary Supplementation With Fine-Grinding Wheat Bran Improves Lipid Metabolism and Inflammatory Response via Modulating the Gut Microbiota Structure in Pregnant Sow.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Wang Z,Chen Y,Wang W,Huang C,Hu Y,Johnston L,Wang F

[Detection and isolation of typical gut indigenous bacteria in ICR mice fed wheat bran and wheat straw fibre.](#)

Food chemistry. Molecular sciences , Volume: 4 2022 Jul 30

Authors Takei N,Kuda T,Handa N,Fujita S,Takahashi H,Kimura B

[Storage Stability and Consumer Acceptability of Dried Apple: Impact of Citric Acid, Potassium Sorbate and Moringa oleifera Leaf Extract Powder.](#)

Foods (Basel, Switzerland) , Volume: 11 Issue: 7 2022 Mar 28

Authors Arendse W,Jideani V

[Classification of the Occurrence of Dyslipidemia Based on Gut Bacteria Related to Barley Intake.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Nishimura M,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J

[Stewed Rhubarb Decoction Ameliorates Adenine-Induced Chronic Renal Failure in Mice by Regulating Gut Microbiota Dysbiosis.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Wang R,Hu B,Ye C,Zhang Z,Yin M,Cao Q,Ba Y,Liu H

[Effects of Ramadan and Non-ramadan Intermittent Fasting on Gut Microbiome.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Mousavi SN,Rayyani E,Heshmati J,Tavasolian R,Rahimlou M

[Changes in Gut Microbiota by the Lactobacillus casei Anchoring the K88 Fimbrial Protein Prevented Newborn Piglets From Clinical Diarrhea.](#)

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Qin D,Bai Y,Li Y,Huang Y,Li L,Wang G,Qu Y,Wang J,Yu LY,Hou X

[Green Banana Flour Contributes to Gut Microbiota Recovery and Improves Colonic Barrier Integrity in Mice Following Antibiotic Perturbation.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Li P,Li M,Song Y,Huang X,Wu T,Xu ZZ,Lu H

[In vitro evaluation of probiotic properties of lactic acid bacteria isolated from the vagina of yak \(Bos grunniens\).](#)

PeerJ , Volume: 10 2022

Authors Zhang Q,Pan Y,Wang M,Sun L,Xi Y,Li M,Zeng Q

[The Relationship between Physical Activity, Physical Exercise, and Human Gut Microbiota in Healthy and Unhealthy Subjects: A Systematic Review.](#)

Biology , Volume: 11 Issue: 3 2022 Mar 21

Authors Cataldi S,Bonavolontà V,Poli L,Clemente FM,De Candia M,Carvutto R,Silva AF,Badicu G,Greco G,Fischetti F

[Gut microbiota dysbiosis-derived macrophage pyroptosis causes polycystic ovary syndrome via steroidogenesis disturbance and apoptosis of granulosa cells.](#)

International immunopharmacology , Volume: 107 2022 Jun

Authors Huang J,Chen P,Xiang Y,Liang Q,Wu T,Liu J,Zeng Y,Zeng H,Liang X,Zhou C

[Development of Desiccation-Tolerant Probiotic Biofilms Inhibitory for Growth of Foodborne Pathogens on Stainless Steel Surfaces.](#)**Foods (Basel, Switzerland)** , Volume: 11 Issue: 6 2022 Mar 14

Authors Kim JH, Lee ES, Song KJ, Kim BM, Ham JS, Oh MH

[Relationships between barley consumption and gut microbiome characteristics in a healthy Japanese population: a cross-sectional study.](#)**BMC nutrition** , Volume: 8 Issue: 1 2022 Mar 14

Authors Matsuoka T, Hosomi K, Park J, Goto Y, Nishimura M, Maruyama S, Murakami H, Konishi K, Miyachi M, Kawashima H, Mizuguchi K, Kobayashi T, Yokomichi H, Kunisawa J, Yamagata Z

[Lactulose Modulates the Structure of Gut Microbiota and Alleviates Colitis-Associated Tumorigenesis.](#)**Nutrients** , Volume: 14 Issue: 3 2022 Feb 3

Authors Hiraishi K, Zhao F, Kurahara LH, Li X, Yamashita T, Hashimoto T, Matsuda Y, Sun Z, Zhang H, Hirano K

[Different Alterations in Gut Microbiota between Bifidobacterium longum and Fecal Microbiota Transplantation Treatments in Propionic Acid Rat Model of Autism.](#)**Nutrients** , Volume: 14 Issue: 3 2022 Jan 30

Authors Abujamel TS, Al-Otaibi NM, Abuaish S, AlHarbi RH, Assas MB, Alzahrani SA, Alotaibi SM, El-Ansary A, Aabed K

[An Integrative Multiomics Approach to Characterize Prebiotic Inulin Effects on Faecalibacterium prausnitzii.](#)**Frontiers in bioengineering and biotechnology** , Volume: 10 2022

Authors Park JH, Song WS, Lee J, Jo SH, Lee JS, Jeon HJ, Kwon JE, Kim YR, Baek JH, Kim MG, Yang YH, Kim BG, Kim YG

[Evaluating the effects of a standardized polyphenol mixture extracted from poplar-type propolis on healthy and diseased human gut microbiota.](#)**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 148 2022 Apr

Authors Garzarella EU, Navajas-Porras B, Pérez-Burillo S, Ullah H, Esposito C, Santarcangelo C, Hinojosa-Nogueira D, Pastoriza S, Zaccaria V, Xiao J, Rufián-Henares JÁ, Daglia M

[Targeting Gut Microbiota and Host Metabolism with Dendrobium officinale Dietary Fiber to Prevent Obesity and Improve Glucose Homeostasis in Diet-Induced Obese Mice.](#)**Molecular nutrition & food research** , Volume: 66 Issue: 10 2022 May

Authors Zheng H, Ji H, Fan K, Xu H, Huang Y, Zheng Y, Xu Q, Li C, Zhao L, Li Y, Gao H

[Beneficial Effects of Partly Milled Highland Barley on the Prevention of High-Fat Diet-Induced Glycometabolic Disorder and the Modulation of Gut Microbiota in Mice.](#)**Nutrients** , Volume: 14 Issue: 4 2022 Feb 11

Authors Li S, Wang M, Li C, Meng Q, Meng Y, Ying J, Bai S, Shen Q, Xue Y

[Natural Dietary Compound Xanthohumol Regulates the Gut Microbiota and Its Metabolic Profile in a Mouse Model of Alzheimer`s Disease.](#)**Molecules (Basel, Switzerland)** , Volume: 27 Issue: 4 2022 Feb 14

Authors Liu W, He K, Wu D, Zhou L, Li G, Lin Z, Yang X, Liu J, Pui Man Hoi M

[Correlation between the regulation of intestinal bacteriophages by green tea polyphenols and the flora diversity in SPF mice.](#)**Food & function** , Volume: 13 Issue: 5 2022 Mar 7

Authors Dong S, Xin Z, He W, Zhang Y, Xiong J, Wang J, Liao Z, Wang L, Zhong Q, Wei H, Fang X

[Metformin attenuated sepsis-related liver injury by modulating gut microbiota.](#)**Emerging microbes & infections** , Volume: 11 Issue: 1 2022 Dec

Authors Liang H, Song H, Zhang X, Song G, Wang Y, Ding X, Duan X, Li L, Sun T, Kan Q

[Rhubarb Enema Increasing Short-Chain Fatty Acids that Improves the Intestinal Barrier Disruption in CKD May Be Related to the Regulation of Gut Dysbiosis.](#)**BioMed research international** , Volume: 2022 2022

Authors Ji C, Lu F, Wu Y, Lu Z, Mo Y, Han L, Lin Q, Liu X, Zou C

[Gallic Acid Alleviates Gut Dysfunction and Boosts Immune and Antioxidant Activities in Puppies Under Environmental Stress Based on Microbiome-Metabolomics Analysis.](#)**Frontiers in immunology** , Volume: 12 2021

Authors Yang K, Deng X, Jian S, Zhang M, Wen C, Xin Z, Zhang L, Tong A, Ye S, Liao P, Xiao Z, He S, Zhang F, Deng J, Zhang L, Deng B

[Bifidobacterium animalis subsp. lactis BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.](#)**Frontiers in nutrition** , Volume: 8 2021

Authors Mao K, Gao J, Wang X, Li X, Geng S, Zhang T, Sadiq FA, Sang Y

[Dietary Supplementation with Goji Berries \(Lycium barbarum\) Modulates the Microbiota of Digestive Tract and Caecal Metabolites in Rabbits.](#)

Animals : an open access journal from MDPI , Volume: 12 Issue: 1 2022 Jan 5

Authors Cremonesi P, Curone G, Biscarini F, Cotozzolo E, Menchetti L, Riva F, Marongiu ML, Castiglioni B, Barbato O, Munga A, Castrica M, Vigo D, Sulce M, Quattrone A, Agradi S, Brecchia G

Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.

International journal of molecular sciences , Volume: 23 Issue: 1 2021 Dec 24

Authors Wellington VNA, Sundaram VL, Singh S, Sundaram U

Rhubarb Enema Decreases Circulating Trimethylamine N-Oxide Level and Improves Renal Fibrosis Accompanied With Gut Microbiota Change in Chronic Kidney Disease Rats.

Frontiers in pharmacology , Volume: 12 2021

Authors Ji C, Li Y, Mo Y, Lu Z, Lu F, Lin Q, Liu X, Zou C, Wu Y

The Prebiotic Effects of Oats on Blood Lipids, Gut Microbiota, and Short-Chain Fatty Acids in Mildly Hypercholesterolemic Subjects Compared With Rice: A Randomized, Controlled Trial.

Frontiers in immunology , Volume: 12 2021

Authors Xu D, Feng M, Chu Y, Wang S, Shete V, Tuohy KM, Liu F, Zhou X, Kamil A, Pan D, Liu H, Yang X, Yang C, Zhu B, Lv N, Xiong Q, Wang X, Sun J, Sun G, Yang Y

Dietary Quercetin Supplementation Attenuates Diarrhea and Intestinal Damage by Regulating Gut Microbiota in Weanling Piglets.

Oxidative medicine and cellular longevity , Volume: 2021 2021

Authors Xu B, Qin W, Xu Y, Yang W, Chen Y, Huang J, Zhao J, Ma L

Lactocaseibacillus casei Strain T21 Attenuates Clostridioides difficile Infection in a Murine Model Through Reduction of Inflammation and Gut Dysbiosis With Decreased Toxin Lethality and Enhanced Mucin Production.

Frontiers in microbiology , Volume: 12 2021

Authors Panpetch W, Phuengmaung P, Cheibchalard T, Somboonna N, Leelahavanichkul A, Tumwasorn S

Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients.

Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec

Authors Amadieu C, Coste V, Neyrinck AM, Thijssen V, Leyrolle Q, Bindels LB, Piessevaux H, Stärkel P, de Timary P, Delzenne NM, Leclercq S

Bifidobacterium longum subsp. longum 5^{1A} attenuates intestinal injury against irinotecan-induced mucositis in mice.

Life sciences , Volume: 289 2022 Jan 15

Authors Quintanilha MF, Miranda VC, Souza RO, Gallotti B, Cruz C, Santos EA, Alvarez-Leite JJ, Jesus LCL, Azevedo V, Trindade LM, Cardoso VN, Ferreira E, Carvalho BA, Soares PMG, Vieira AT, Nicoli JR, Martins FS

Nine weeks of high-intensity indoor cycling training induced changes in the microbiota composition in non-athlete healthy male college students.

Journal of the International Society of Sports Nutrition , Volume: 18 Issue: 1 2021 Dec 18

Authors Donati Zeppa S, Amatori S, Sisti D, Gervasi M, Agostini D, Piccoli G, Paziienza V, Gobbi P, Rocchi MBL, Sestili P, Stocchi V

Gut microbiota modulation as a possible mediating mechanism for fasting-induced alleviation of metabolic complications: a systematic review.

Nutrition & metabolism , Volume: 18 Issue: 1 2021 Dec 14

Authors Angoorani P, Ehtahed HS, Hasani-Ranjbar S, Siadat SD, Soroush AR, Larijani B

Intermittent Fasting Reshapes the Gut Microbiota and Metabolome and Reduces Weight Gain More Effectively Than Melatonin in Mice.

Frontiers in nutrition , Volume: 8 2021

Authors Liu J, Zhong Y, Luo XM, Ma Y, Liu J, Wang H

Comparison of Drug Resistance of Helicobacter pylori Between Children and Adults in Jilin, China.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 32 Issue: 12 2021 Dec

Authors Wang L, Zhang J, Hu M, Pang X

The relationship between human milk, a functional nutrient, and microbiota.

Critical reviews in food science and nutrition , 2021 Dec 6

Authors Sakarya E, Sanlier NT, Sanlier N

Fructooligosaccharides Increase in Plasma Concentration of (-)-Epigallocatechin-3-Gallate in Rats.

Journal of agricultural and food chemistry , Volume: 69 Issue: 49 2021 Dec 15

Authors Unno T, Araki Y, Inagaki S, Kobayashi M, Ichitani M, Takiyama T, Kinugasa H

Saccharomyces boulardii Combined With Quadruple Therapy for Helicobacter pylori Eradication Decreased the Duration and Severity of Diarrhea: A Multi-Center Prospective Randomized Controlled Trial.

Frontiers in medicine , Volume: 8 2021

- Authors Zhao Y,Yang Y,Aruna,Xiao J,Song J,Huang T,Li S,Kou J,Huang L,Ji D,Xiong S,Peng W,Xu S,Cheng B**
Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprograming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.
Frontiers in immunology , Volume: 12 2021
Authors Ding S,Jiang H,Fang J,Liu G
Increasing Helicobacter pylori clarithromycin resistance in Australia over 20?years.
Internal medicine journal , 2021 Dec 5
Authors Schubert JP,Warner MS,Rayner CK,Roberts-Thomson IC,Mangoni AA,Costello S,Bryant RV
Polydextrose with and without Bifidobacterium animalis ssp. lactis 420 drives the prevalence of Akkermansia and improves liver health in a multi-compartmental obesogenic mice study.
PloS one , Volume: 16 Issue: 12 2021
Authors Yde CC,Jensen HM,Christensen N,Servant F,Lelouvier B,Lahtinen S,Stenman LK,Airaksinen K,Kailanto HM
A Pilot Study of the Effect of Lactobacillus casei Obtained from Long-Lived Elderly on Blood Biochemical, Oxidative, and Inflammatory Markers, and on Gut Microbiota in Young Volunteers.
Nutrients , Volume: 13 Issue: 11 2021 Oct 29
Authors Mei LH,Zheng WX,Zhao ZT,Meng N,Zhang QR,Zhu WJ,Li RD,Liang XL,Li QY
Lactobacillus casei Zhang exerts probiotic effects to antibiotic-treated rats.
Computational and structural biotechnology journal , Volume: 19 2021
Authors Yao G,Cao C,Zhang M,Kwok LY,Zhang H,Zhang W
Lactobacillus plantarum ZJUFB2 Prevents High Fat Diet-Induced Insulin Resistance in Association With Modulation of the Gut Microbiota.
Frontiers in nutrition , Volume: 8 2021
Authors Zhong H,Wang J,Abdullah,Hafeez MA,Guan R,Feng F
Inulin-grown Faecalibacterium prausnitzii cross-feeds fructose to the human intestinal epithelium.
Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec
Authors Fagundes RR,Bourgonje AR,Saeed A,Vich Vila A,Plomp N,Blokzijl T,Sadaghian Sadabad M,von Martels JZH,van Leeuwen SS,Weersma RK,Dijkstra G,Harmsen HJM,Faber KN
Gut microbiota-a positive contributor in the process of intermittent fasting-mediated obesity control.
Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 4 2021 Dec
Authors Rong B,Wu Q,Saeed M,Sun C
Beneficial effect of whole-grain wheat on liver fat: a role for the gut microbiota?
Hepatobiliary surgery and nutrition , Volume: 10 Issue: 5 2021 Oct
Authors Gérard P
Lactobacillus casei ATCC 393 and it's metabolites alleviate dextran sulphate sodium-induced ulcerative colitis in mice through the NLRP3-(Caspase-1)/IL-1 β pathway.
Food & function , Volume: 12 Issue: 23 2021 Nov 29
Authors Dou X,Qiao L,Chang J,Yan S,Song X,Chen Y,Xu Q,Xu C
Antimicrobial, immunological and biochemical effects of florfenicol and garlic (Allium sativum) on rabbits infected with Escherichia coli serotype O55: H7.
Veterinary research communications , 2021 Nov 10
Authors Farag VM,El-Shafei RA,Elkenany RM,Ali HS,Eladl AH
Synergistic Antibiofilm Effect of Thymol and Piperine in Combination with Aminoglycosides Antibiotics against Four Salmonella enterica Serovars.
Evidence-based complementary and alternative medicine : eCAM , Volume: 2021 2021
Authors Tokam Kuaté CR,Bisso Ndezo B,Dzoyem JP
Chitooligosaccharides: Digestion characterization and effect of the degree of polymerization on gut microorganisms to manage the metabolome functional diversity in vitro.
Carbohydrate polymers , Volume: 275 2022 Jan 1
Authors Ji X,Zhu L,Chang K,Zhang R,Chen Y,Yin H,Jin J,Zhao L
Effect of organic acids-essential oils blend and oat fiber combination on broiler chicken growth performance, blood parameters, and intestinal health.
Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 4 2021 Dec
Authors Adewole DI,Oladokun S,Santin E
Combined effect of carvacrol, thymol and nisin against Staphylococcus aureus and Salmonella Enteritidis.
Anais da Academia Brasileira de Ciencias , Volume: 93 Issue: suppl 4 2021
Authors Heckler C,Sant`anna V,Brandelli A,Malheiros PS
Lactobacillus plantarum CCFM1143 Alleviates Chronic Diarrhea via Inflammation Regulation and Gut Microbiota Modulation: A Double-Blind, Randomized, Placebo-Controlled Study.

Frontiers in immunology , Volume: 12 2021

Authors Yang B,Yue Y,Chen Y,Ding M,Li B,Wang L,Wang Q,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

[Streptococcus lutetiensis neonatal meningitis with empyema.](#)

Access microbiology , Volume: 3 Issue: 9 2021

Authors Yu AT,Shapiro K,Beneri CA,Wilks-Gallo LS

[Cinnamaldehyde Promotes the Intestinal Barrier Functions and Reshapes Gut Microbiome in Early Weaned Rats.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Qi L,Mao H,Lu X,Shi T,Wang J

[Bifidobacterium catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection.](#)

Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Heiss BE,Ehrlich AM,Maldonado-Gomez MX,Taft DH,Larke JA,Goodson ML,Slupsky CM,Tancredi DJ,Raybould HE,Mills DA

[Pediococcus acidilactici CCFM6432 mitigates chronic stress-induced anxiety and gut microbial abnormalities.](#)

Food & function , Volume: 12 Issue: 22 2021 Nov 15

Authors Tian P,Chen Y,Qian X,Zou R,Zhu H,Zhao J,Zhang H,Wang G,Chen W

[Antifungal effects of tulsi, garlic, cinnamon and lemongrass in powder and oil form on Candida albicans: An in vitro study.](#)

Journal of oral and maxillofacial pathology : JOMFP , Volume: 25 Issue: 2 2021 May-Aug

Authors Prajapati M,Shah M,Ranginwala A,Agrawal P,Acharya D,Thakkar S

[Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.](#)

Journal of animal science , 2021 Oct 23

Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

[Alleviation Effects of Bifidobacterium animalis subsp. lactis XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.](#)

Microorganisms , Volume: 9 Issue: 10 2021 Oct 3

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

[Supplementation with Lactiplantibacillus plantarum IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.](#)

International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16

Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C

[Alterations in Faecal Microbiota and Elevated Levels of Intestinal IgA Following Oral Administration of Lactocaseibacillus casei in mice.](#)

Probiotics and antimicrobial proteins , Volume: 15 Issue: 3 2023 Jun

Authors Aindelis G,Ypsilantis P,Chlichlia K

[Effect of roasting conditions on cocoa bioactivity and gut microbiota modulation.](#)

Food & function , Volume: 12 Issue: 20 2021 Oct 19

Authors Maldonado-Mateus LY,Perez-Burillo S,Lerma-Aguilera A,Hinojosa-Nogueira D,Ruiz-Pérez S,Gosalbes MJ,Francino MP,Rufián-Henares JÁ,Pastoriza de la Cueva S

[Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces Enterobacteriaceae Family Abundance and Elevates Propionate in a Bioreactor Model.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

[Gut microbiota mediates the effects of inulin on enhancing sulfomucin production and mucosal barrier function in a pig model.](#)

Food & function , Volume: 12 Issue: 21 2021 Nov 1

Authors Xia B,Wu W,Zhang L,Wen X,Xie J,Zhang H

[Unravelling the collateral damage of antibiotics on gut bacteria.](#)

Nature , Volume: 599 Issue: 7883 2021 Nov

Authors Maier L,Goemans CV,Wirbel J,Kuhn M,Eberl C,Pruteanu M,Müller P,Garcia-Santamarina S,Cacace E,Zhang B,Gekeler C,Banerjee T,Anderson EE,Milanese A,Löber U,Forslund SK,Patil KR,Zimmermann M,Stecher B,Zeller G,Bork P,Typas A

[In vitro digestibility and prebiotic activities of a bioactive polysaccharide from Moringa oleifera leaves.](#)

Journal of food biochemistry , Volume: 45 Issue: 11 2021 Nov

Authors Li C,Zhou S,Fu X,Huang Q,Chen Q

[Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.](#)

Microbiology spectrum , 2021 Oct 6

Authors Liu A,Ma T,Xu N,Jin H,Zhao F,Kwok LY,Zhang H,Zhang S,Sun Z

[Early-life polyphenol intake promotes Akkermansia growth and increase of host goblet cells in association with the potential synergistic effect of Lactobacillus.](#)

Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov

Authors Lu F,Li Y,Wang X,Hu X,Liao X,Zhang Y

[Influences of Xylitol Consumption at Different Dosages on Intestinal Tissues and Gut Microbiota in Rats.](#)

Journal of agricultural and food chemistry , Volume: 69 Issue: 40 2021 Oct 13

Authors Zuo QL,Cai X,Zheng XY,Chen DS,Li M,Liu ZQ,Chen KQ,Han FF,Zhu X

[Metformin acts on the gut-brain axis to ameliorate antipsychotic-induced metabolic dysfunction.](#)

Bioscience trends , Volume: 15 Issue: 5 2021 Nov 21

Authors Wang X,Huang H,Zhu Y,Li S,Zhang P,Jiang J,Xi C,Wu L,Gao X,Fu Y,Zhang D,Chen Y,Hu S,Lai J

[Oral iron supplementation after antibiotic exposure induces a deleterious recovery of the gut microbiota.](#)

BMC microbiology , Volume: 21 Issue: 1 2021 Sep 28

Authors Cuisiniere T,Calvé A,Fragoso G,Olivero M,Hajjar R,Gonzalez E,Santos MM

[The Gut Microbiota during a Behavioral Weight Loss Intervention.](#)

Nutrients , Volume: 13 Issue: 9 2021 Sep 18

Authors Stanislawski MA, Frank DN, Borengasser SJ, Ostendorf DM, Ir D, Jambal P, Bing K, Wayland L, Siebert JC, Bessesen DH, MacLean PS, Melanson EL, Catenacci VA

[Prebiotic Inulin Supplementation and Peripheral Insulin Sensitivity in adults at Elevated Risk for Type 2 Diabetes: A Pilot Randomized Controlled Trial.](#)

Nutrients , Volume: 13 Issue: 9 2021 Sep 17

Authors Mitchell CM,Davy BM,Ponder MA,McMillan RP,Hughes MD,Hulver MW,Neilson AP,Davy KP

[Short-Chain Inulin Modulates the Cecal Microbiota Structure of Leptin Knockout Mice in High-Fat Diet.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Feng Y,Feng J,Wang L,Meng A,Wei S,Cui J,Hu X,Yan L

[The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.](#)

Advances in nutrition (Bethesda, Md.) , 2021 Sep 23

Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD

[Ketogenic diet aggravates colitis, impairs intestinal barrier and alters gut microbiota and metabolism in DSS-induced mice.](#)

Food & function , Volume: 12 Issue: 20 2021 Oct 19

Authors Li S,Zhuge A,Wang K,Lv L,Bian X,Yang L,Xia J,Jiang X,Wu W,Wang S,Wang Q,Li L

[Effects of Total Dietary Fiber on Cecal Microbial Community and Intestinal Morphology of Growing White Pekin Duck.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Hao Y, Ji Z, Shen Z, Wu Y, Zhang B, Tang J, Hou S, Xie M

[Consumption of 85% cocoa dark chocolate improves mood in association with gut microbial changes in healthy adults: a randomized controlled trial.](#)

The Journal of nutritional biochemistry , Volume: 99 2022 Jan

Authors Shin JH,Kim CS,Cha J,Kim S, Lee S,Chae S,Chun WY,Shin DM

[Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.](#)

Journal of the science of food and agriculture , Volume: 102 Issue: 5 2022 Mar 30

Authors Song H,Shen X,Chu Q,Zheng X

[Xanthohumol Requires the Intestinal Microbiota to Improve Glucose Metabolism in Diet-Induced Obese Mice.](#)

Molecular nutrition & food research , Volume: 65 Issue: 21 2021 Nov

Authors Logan IE,Shulzhenko N,Sharpton TJ,Bobe G,Liu K,Nuss S,Jones ML,Miranda CL,Vasquez-Perez S,Pennington JM,Leonard SW,Choi J,Wu W,Gurung M,Kim JP,Lowry MB,Morgun A,Maier CS,Stevens JF,Gombart AF

[Gut microbiota from green tea polyphenol-dosed mice improves intestinal epithelial homeostasis and ameliorates experimental colitis.](#)

Microbiome , Volume: 9 Issue: 1 2021 Sep 7

Authors Wu Z,Huang S,Li T,Li N,Han D,Zhang B,Xu ZZ,Zhang S,Pang J,Wang S,Zhang G,Zhao J,Wang J

[Inulin-type prebiotics reduce serum uric acid levels via gut microbiota modulation: a randomized, controlled crossover trial in peritoneal dialysis patients.](#)

European journal of nutrition , Volume: 61 Issue: 2 2022 Mar

Authors He S,Xiong Q,Tian C,Li L,Zhao J,Lin X,Guo X,He Y,Liang W,Zuo X,Ying C

[Systematic Review of the Effects of Oat Intake on Gastrointestinal Health.](#)

The Journal of nutrition , 2021 Sep 6

Authors Valido E,Stoyanov J,Bertolo A,Hertig-Godeschalk A,Zeh RM,Flueck JL,Minder B,Stojic S,Metzger B,Bussler W,Muka T,Kern H,Glisic M

[Quercetin modulates the gut microbiota as well as the metabolome in a rat model of osteoarthritis.](#)

Bioengineered , Volume: 12 Issue: 1 2021 Dec

Authors Lan H,Hong W,Qian D,Peng F,Li H,Liang C,Du M,Gu J,Mai J,Bai B,Peng G

[Eight-week exercise training in humans with obesity: Marked improvements in insulin sensitivity and modest changes in gut](#)

microbiome.**Obesity (Silver Spring, Md.) , Volume: 29 Issue: 10 2021 Oct**

Authors Verheggen RJHM,Konstanti P,Smidt H,Hermus ARMIM,Thijssen DHJ,Hopman MTE

The Protection of Lactiplantibacillus plantarum CCFM8661 Against Benzopyrene-Induced Toxicity via Regulation of the Gut Microbiota.**Frontiers in immunology , Volume: 12 2021**

Authors Yu L,Zhang L,Duan H,Zhao R,Xiao Y,Guo M,Zhao J,Zhang H,Chen W,Tian F

A Novel Sprouted Oat Fermented Beverage: Evaluation of Safety and Health Benefits for Celiac Individuals.**Nutrients , Volume: 13 Issue: 8 2021 Jul 23**

Authors Aparicio-García N,Martínez-Villaluenga C,Frias J,Crespo Perez L,Fernández CF,Alba C,Rodríguez JM,Peñas E

Quercetin Ameliorates Insulin Resistance and Restores Gut Microbiome in Mice on High-Fat Diets.**Antioxidants (Basel, Switzerland) , Volume: 10 Issue: 8 2021 Aug 5**

Authors Tan Y,Tam CC,Rolston M,Alves P,Chen L,Meng S,Hong H,Chang SKC,Yokoyama W

Dietary Inulin Regulated Gut Microbiota and Improved Neonatal Health in a Pregnant Sow Model.**Frontiers in nutrition , Volume: 8 2021**

Authors Li H,Ma L,Zhang L,Liu N,Li Z,Zhang F,Liu X,Ma X

Paternal high protein diet modulates body composition, insulin sensitivity, epigenetics, and gut microbiota intergenerationally in rats.**FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 35 Issue: 9 2021 Sep**

Authors Chleilat F,Schick A,Deleemans JM,Ma K,Alukic E,Wong J,Noye Tuplin EW,Nettleton JE,Reimer RA

Regulatory effects of Lactobacillus fermented black barley on intestinal microbiota of NAFLD rats.**Food research international (Ottawa, Ont.) , Volume: 147 2021 Sep**

Authors Zhu C,Guan Q,Song C,Zhong L,Ding X,Zeng H,Nie P,Song L

The effects of fermented rye products on gut microbiota and their association with metabolic factors in Chinese adults - an explorative study.**Food & function , Volume: 12 Issue: 19 2021 Oct 4**

Authors Liu Y,Xue K,Iversen KN,Qu Z,Dong C,Jin T,Hallmans G,Åman P,Johansson A,He G,Landberg R

Broccoli Florets Supplementation Improves Insulin Sensitivity and Alters Gut Microbiome Population-A Steatosis Mice Model Induced by High-Fat Diet.**Frontiers in nutrition , Volume: 8 2021**

Authors Zandani G,Anavi-Cohen S,Tsybina-Shimshilashvili N,Sela N,Nyska A,Madar Z

Metformin alleviates choline diet-induced TMAO elevation in C57BL/6J mice by influencing gut-microbiota composition and functionality.**Nutrition & diabetes , Volume: 11 Issue: 1 2021 Jul 31**

Authors Su C,Li X,Yang Y,Du Y,Zhang X,Wang L,Hong B

Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.**Frontiers in nutrition , Volume: 8 2021**

Authors Karakan T,Tuohy KM,Janssen-van Solingen G

Kaempferol Alleviates Murine Experimental Colitis by Restoring Gut Microbiota and Inhibiting the LPS-TLR4-NF- κ B Axis.**Frontiers in immunology , Volume: 12 2021**

Authors Qu Y,Li X,Xu F,Zhao S,Wu X,Wang Y,Xie J

Heteropolysaccharides from *S. cerevisiae* show anti-adhesive properties against *E. coli* associated with Crohn's disease.**Carbohydrate polymers , Volume: 271 2021 Nov 1**

Authors Sivignon A,Yu SY,Ballet N,Vandekerckove P,Barnich N,Guerardel Y

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn's disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.**Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 8 2021 Jun 23**

Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Stagg AJ,Lindsay JO,Whelan K

Alterations in the gut microbiota contribute to cognitive impairment induced by the ketogenic diet and hypoxia.**Cell host & microbe , Volume: 29 Issue: 9 2021 Sep 8**

Authors Olson CA,Iñiguez AJ,Yang GE,Fang P,Pronovost GN,Jameson KG,Rendon TK,Paramo J,Barlow JT,Ismagilov RF,Hsiao EY

The effects of sustained fitness improvement on the gut microbiome: A longitudinal, repeated measures case-study approach.**Translational sports medicine , Volume: 4 Issue: 2 2021 Mar**

Authors Barton W,Cronin O,Garcia-Perez I,Whiston R,Holmes E,Woods T,Molloy CB,Molloy MG,Shanahan F,Cotter PD,O'Sullivan O

A multiphase dietetic protocol incorporating an improved ketogenic diet enhances weight loss and alters the gut microbiome

[of obese people.](#)

International journal of food sciences and nutrition , Volume: 73 Issue: 2 2022 Mar

Authors Yuan W,Lu W,Wang H,Wu W,Zhou Q,Chen Y,Lee YK,Zhao J,Zhang H,Chen W

[Home-based exercise training influences gut bacterial levels in multiple sclerosis.](#)

Complementary therapies in clinical practice , Volume: 45 2021 Jul 30

Authors Mokhtarzade M,Molanouri Shamsi M,Abolhasani M,Bakhshi B,Sahraian MA,Quinn LS,Negaresh R

[Assessment of Lactobacillus casei rhamnosus \(LGG\) therapy in children with biliary atresia - Randomized placebo controlled trial.](#)

Clinics and research in hepatology and gastroenterology , Volume: 45 Issue: 6 2021 Nov

Authors Orlowska E,Czubkowski P,Wolochowska K,Jarzebicka D,Motyl I,Socha P

[Lactobacillus casei LC89 exerts antidiabetic effects through regulating hepatic glucagon response and gut microbiota in type 2 diabetic mice.](#)

Food & function , Volume: 12 Issue: 18 2021 Sep 20

Authors Zhang Y,Wu T,Li W,Zhao Y,Long H,Liu R,Sui W,Zhang M

[The construction of recombinant Lactobacillus casei expressing hemagglutinin-neuraminidase protein and its immune response in chickens.](#)

Microbial pathogenesis , Volume: 158 2021 Sep

Authors Ju A,Duan A,Zhang Y,Qin Y,Xue L,Ma X,Luan W,Yang S

[Metformin intervention ameliorates AS in ApoE^{-/-} mice through restoring gut dysbiosis and anti-inflammation.](#)

PloS one , Volume: 16 Issue: 7 2021

Authors Yan N,Wang L,Li Y,Wang T,Yang L,Yan R,Wang H,Jia S

[An exercise intervention alters stool microbiota and metabolites among older, sedentary adults.](#)

Therapeutic advances in infectious disease , Volume: 8 2021 Jan-Dec

Authors Erlandson KM,Liu J,Johnson R,Dillon S,Jankowski CM,Kroehl M,Robertson CE,Frank DN,Tuncil Y,Higgins J,Hamaker B,Wilson CC

[Natural capsicum extract replacing chlortetracycline enhances performance via improving digestive enzyme activities, antioxidant capacity, anti-inflammatory function, and gut health in weaned pigs.](#)

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 2 2021 Jun

Authors Long S,Liu S,Wang J,Mahfuz S,Piao X

[Effect of High-Fat Diet on the Intestinal Flora in Letrozole-Induced Polycystic Ovary Syndrome Rats.](#)

Evidence-based complementary and alternative medicine : eCAM , Volume: 2021 2021

Authors Zheng YH,Xu Y,Ma HX,Liang CJ,Yang T

[Dietary Supplementation with Inulin Modulates the Gut Microbiota and Improves Insulin Sensitivity in Prediabetes.](#)

International journal of endocrinology , Volume: 2021 2021

Authors Wang X,Wang T,Zhang Q,Xu L,Xiao X

[Cranberry \(Vaccinium macrocarpon\) dietary supplementation and fecal microbiota of Wistar rats.](#)

AIMS microbiology , Volume: 7 Issue: 2 2021

Authors Chettaoui R,Mayot G,De Almeida L,Di Martino P

[Punicic acid ameliorates obesity and liver steatosis by regulating gut microbiota composition in mice.](#)

Food & function , 2021 Jul 9

Authors Yuan G,Tan M,Chen X

[Intestinal Microbiota Mediates High-Fructose and High-Fat Diets to Induce Chronic Intestinal Inflammation.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Tan R,Dong H,Chen Z,Jin M,Yin J,Li H,Shi D,Shao Y,Wang H,Chen T,Yang D,Li J

[Flavonoids from Whole-Grain Oat Alleviated High-Fat Diet-Induced Hyperlipidemia via Regulating Bile Acid Metabolism and Gut Microbiota in Mice.](#)

Journal of agricultural and food chemistry , Volume: 69 Issue: 27 2021 Jul 14

Authors Duan R,Guan X,Huang K,Zhang Y,Li S,Xia J,Shen M

[Oleuropein Ameliorates Advanced Stage of Type 2 Diabetes in db/db Mice by Regulating Gut Microbiota.](#)

Nutrients , Volume: 13 Issue: 7 2021 Jun 22

Authors Zheng S,Wang Y,Fang J,Geng R,Li M,Zhao Y,Kang SG,Huang K,Tong T

[n-6 High Fat Diet Induces Gut Microbiome Dysbiosis and Colonic Inflammation.](#)

International journal of molecular sciences , Volume: 22 Issue: 13 2021 Jun 28

Authors Selmin OI,Papoutsis AJ,Hazan S,Smith C,Greenfield N,Donovan MG,Wren SN,Doetschman TC,Snider JM,Snider AJ,Chow SH,Romagnolo DF

[Effects of Wine and Its Microbial-Derived Metabolites on Intestinal Permeability Using Simulated Gastrointestinal Digestion/Colonic Fermentation and Caco-2 Intestinal Cell Models.](#)

Microorganisms , Volume: 9 Issue: 7 2021 Jun 24

Authors Zorraquín-Peña I,Taladrid D,Tamargo A,Silva M,Molinero N,de Llano DG,Bartolomé B,Moreno-Arribas MV
Concentrated Raw Fibers Enhance the Fiber-Degrading Capacity of a Synthetic Human Gut Microbiome.

International journal of molecular sciences , Volume: 22 Issue: 13 2021 Jun 25

Authors Steimle A,Neumann M,Grant ET,Turner JD,Desai MS

Nrf2/ARE Activators Improve Memory in Aged Mice via Maintaining of Mitochondrial Quality Control of Brain and the Modulation of Gut Microbiome.

Pharmaceuticals (Basel, Switzerland) , Volume: 14 Issue: 7 2021 Jun 23

Authors Sadochnikova IS,Gureev AP,Ignatyeva DA,Gryaznova MV,Chernyshova EV,Krutsikh EP,Novikova AG,Popov VN

Green banana flour supplementation improves obesity-associated systemic inflammation and regulates gut microbiota profile in mice fed high-fat diets.

Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme , Volume: 46 Issue: 12 2021 Dec

Authors Rosado CP,Rosa VHC,Martins BC,Soares AC,Almo A,Monteiro EB,Mulder ADRP,Moura-Nunes N,Daleprane JB

Imbalanced dietary intake alters the colonic microbial profile in growing rats.

PloS one , Volume: 16 Issue: 6 2021

Authors Jung TH,Han KS

Sodium Alginate Modulates Immunity, Intestinal Mucosal Barrier Function, and Gut Microbiota in Cyclophosphamide-Induced Immunosuppressed BALB/c Mice.

Journal of agricultural and food chemistry , Volume: 69 Issue: 25 2021 Jun 30

Authors Huang J,Huang J,Li Y,Wang Y,Wang F,Qiu X,Liu X,Li H

Lactic acid production ability of *Lactobacillus* sp. from four tropical fruits using their by-products as carbon source.

Heliyon , Volume: 7 Issue: 5 2021 May

Authors Ngouénam JR,Momo Kenfack CH,Foko Kouam EM,Kaktcham PM,Maharjan R,Ngoufack FZ

Gut Microbial SNPs Induced by High-Fiber Diet Dominate Nutrition Metabolism and Environmental Adaption of *Faecalibacterium prausnitzii* in Obese Children.

Frontiers in microbiology , Volume: 12 2021

Authors Li H,Zhao L,Zhang M

Dietary resveratrol attenuation of intestinal inflammation and oxidative damage is linked to the alteration of gut microbiota and butyrate in piglets challenged with deoxynivalenol.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 16

Authors Qiu Y,Yang J,Wang L,Yang X,Gao K,Zhu C,Jiang Z

Metabolome and Microbiota Analysis Reveals the Conducive Effect of *Pediococcus acidilactici* BCC-1 and Xylan Oligosaccharides on Broiler Chickens.

Frontiers in microbiology , Volume: 12 2021

Authors Wu Y,Lei Z,Wang Y,Yin D,Aggrey SE,Guo Y,Yuan J

Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.

Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation , 2021 Jun 11

Authors Biruete A,Cross TL,Allen JM,Kistler BM,de Loor H,Evenepoel P,Fahey GC Jr,Bauer L,Swanson KS,Wilund KR

Resveratrol and its derivative pterostilbene ameliorate intestine injury in intrauterine growth-retarded weanling piglets by modulating redox status and gut microbiota.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 10

Authors Chen Y,Zhang H,Chen Y,Jia P,Ji S,Zhang Y,Wang T

Chicken-eaters and pork-eaters have different gut microbiota and tryptophan metabolites.

Scientific reports , Volume: 11 Issue: 1 2021 Jun 7

Authors Shi J,Zhao D,Zhao F,Wang C,Zamaratskaia G,Li C

Allobaculum Involves in the Modulation of Intestinal ANGPTL4 Expression in Mice Treated by High-Fat Diet.

Frontiers in nutrition , Volume: 8 2021

Authors Zheng Z,Lyu W,Ren Y,Li X,Zhao S,Yang H,Xiao Y

The effect of dietary fiber (oat bran) supplement on blood pressure in patients with essential hypertension: A randomized controlled trial.

Nutrition, metabolism, and cardiovascular diseases : NMCD , 2021 Apr 28

Authors Xue Y,Cui L,Qi J,Qjo O,Du X,Liu Y,Wang X

Protective effects of glycine against lipopolysaccharide-induced intestinal apoptosis and inflammation.

Amino acids , 2021 Jun 4

Authors Zhang Y,Mu T,Jia H,Yang Y,Wu Z

Lactobacillus casei CCFM1074 Alleviates Collagen-Induced Arthritis in Rats via Balancing Treg/Th17 and Modulating the

Metabolites and Gut Microbiota.**Frontiers in immunology** , Volume: 12 2021

Authors Fan Z,Ross RP,Stanton C,Hou B,Zhao J,Zhang H,Yang B,Chen W

The TOTUM-63 Supplement and High-Intensity Interval Training Combination Limits Weight Gain, Improves Glycemic Control, and Influences the Composition of Gut Mucosa-Associated Bacteria in Rats on a High Fat Diet.**Nutrients** , Volume: 13 Issue: 5 2021 May 7

Authors Dupuit M,Chavanelle V,Chassaing B,Perriere F,Etienne M,Plissonneau C,Boscaro A,Barnich N,Pialoux V,Maugard T,Le Joubioux F,Peltier S,Sirvent P,Otero YF,Boisseau N

Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.**Nutrients** , Volume: 13 Issue: 5 2021 May 20

Authors Milton-Laskibar I,Marcos-Zambrano LJ,Gómez-Zorita S,Fernández-Quintela A,Carrillo de Santa Pau E,Martínez JA,Portillo MP

The Potential Roles of Very Low Calorie, Very Low Calorie Ketogenic Diets and Very Low Carbohydrate Diets on the Gut Microbiota Composition.**Frontiers in endocrinology** , Volume: 12 2021

Authors Rondanelli M,Gasparri C,Peroni G,Faliva MA,Naso M,Perna S,Bazire P,Sajuox I,Maugeri R,Rigon C

Saccharomyces cerevisiae boulardii CNCM I-1079 supplementation in finishing male pigs helps to cope with heat stress through feeding behaviour and gut microbiota modulation.**The British journal of nutrition** , Volume: 127 Issue: 3 2022 Feb 14

Authors Labussière E,Achard C,Dubois S,Combes S,Castex M,Renaudeau D

Beneficial gut microbiome remodeled during intermittent fasting in humans.**Rejuvenation research** , 2021 May 27

Authors Larrick JW,Mendelsohn AR,Larrick J

The influence of exercise training volume alterations on the gut microbiome in highly-trained middle-distance runners.**European journal of sport science** , 2021 May 26

Authors Craven J,Cox AJ,Bellinger P,Desbrow B,Irwin C,Buchan J,McCartney D,Sabapathy S

Intensive, prolonged exercise seemingly causes gut dysbiosis in female endurance runners.**Journal of clinical biochemistry and nutrition** , Volume: 68 Issue: 3 2021 May

Authors Morishima S,Aoi W,Kawamura A,Kawase T,Takagi T,Naito Y,Tsukahara T,Inoue R

Combined use of epigallocatechin-3-gallate (EGCG) and caffeine in low doses exhibits marked anti-obesity synergy through regulation of gut microbiota and bile acid metabolism.**Food & function** , Volume: 12 Issue: 9 2021 May 11

Authors Zhu MZ,Zhou F,Ouyang J,Wang QY,Li YL,Wu JL,Huang JA,Liu ZH

Bifidobacterium response to lactulose ingestion in the gut relies on a solute-binding protein-dependent ABC transporter.**Communications biology** , Volume: 4 Issue: 1 2021 May 10

Authors Yoshida K,Hirano R,Sakai Y,Choi M,Sakanaka M,Kurihara S,Iino H,Xiao JZ,Katayama T,Odumaki T

Porphyran-derived oligosaccharides alleviate NAFLD and related cecal microbiota dysbiosis in mice.**FASEB journal : official publication of the Federation of American Societies for Experimental Biology** , Volume: 35 Issue: 6 2021 Jun

Authors Wang X,Liu D,Wang Z,Cai C,Jiang H,Yu G

Dietary broccoli improves markers associated with glucose and lipid metabolism through modulation of gut microbiota in mice.**Nutrition (Burbank, Los Angeles County, Calif.)** , Volume: 90 2021 Oct

Authors Zandani G,Kaftori-Sandler N,Sela N,Nyska A,Madar Z

Lactobacillus Sps in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.**Biology** , Volume: 10 Issue: 4 2021 Apr 20

Authors Gulnaz A,Nadeem J,Han JH,Lew LC,Son JD,Park YH,Rather IA,Hor YY

Strong Antimicrobial Effects of Xanthohumol and Beta-Acids from Hops against Clostridioides difficile Infection In Vivo.**Antibiotics (Basel, Switzerland)** , Volume: 10 Issue: 4 2021 Apr 6

Authors Sleha R,Radochova V,Mikyska A,Houska M,Bolehovska R,Janovska S,Pejchal J,Muckova L,Cermak P,Bostik P

Effects of Bifidobacterium animalis ssp. lactis 420 on gastrointestinal inflammation induced by a non-steroidal anti-inflammatory drug: a randomized, placebo-controlled, double-blind clinical trial.**British journal of clinical pharmacology** , 2021 Apr 27

Authors Mäkelä SM,Forssten SD,Kailajärvi M,Langén VL,Scheinin M,Tiihonen K,Ouweland AC

Gut modulation based anti-diabetic effects of carboxymethylated wheat bran dietary fiber in high-fat diet/streptozotocin-induced diabetic mice and their potential mechanisms.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 152 2021 Jun

Authors Li XX,Zhang XX,Zhang R,Ni ZJ,Elam E,Thakur K,Cespedes-Acuña CL,Zhang JG,Wei ZJ

Assessment of the Safety of Lactobacillus casei IMV B-7280 Probiotic Strain on a Mouse Model.

Probiotics and antimicrobial proteins , Volume: 13 Issue: 6 2021 Dec

Authors L M L,L P B,S G G,L O S,O M D,R V B,L M S,M Ya S

Remodeling of the gut microbiome during Ramadan-associated intermittent fasting.

The American journal of clinical nutrition , Volume: 113 Issue: 5 2021 May 8

Authors Su J,Wang Y,Zhang X,Ma M,Xie Z,Pan Q,Ma Z,Peppelenbosch MP

Glycine regulates mucosal immunity and the intestinal microbial composition in weaned piglets.

Amino acids , 2021 Apr 11

Authors Ji Y,Fan X,Zhang Y,Li J,Dai Z,Wu Z

Value added immunoregulatory polysaccharides of Hericium erinaceus and their effect on the gut microbiota.

Carbohydrate polymers , Volume: 262 2021 Jun 15

Authors Yang Y,Ye H,Zhao C,Ren L,Wang C,Georgiev MI,Xiao J,Zhang T

Phytochemical analysis of medicinal plants of Nepal and their antibacterial and antibiofilm activities against uropathogenic Escherichia coli.

BMC complementary medicine and therapies , Volume: 21 Issue: 1 2021 Apr 9

Authors Bhandari S,Khadayat K,Poudel S,Shrestha S,Shrestha R,Devkota P,Khanal S,Marasini BP

Pediococcus acidilactici Strains Improve Constipation Symptoms and Regulate Intestinal Flora in Mice.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Qiao Y,Qiu Z,Tian F,Yu L,Zhao J,Zhang H,Zhai Q,Chen W

Saccharomyces boulardii ameliorates gut dysbiosis associated cognitive decline.

Physiology & behavior , Volume: 236 2021 Jul 1

Authors Roy Sarkar S,Mitra Mazumder P,Chatterjee K,Sarkar A,Adhikary M,Mukhopadhyay K,Banerjee S

Effects of Protein Restriction and Subsequent Realimentation on Body Composition, Gut Microbiota and Metabolite Profiles in Weaned Piglets.

Animals : an open access journal from MDPI , Volume: 11 Issue: 3 2021 Mar 4

Authors Hou L,Wang L,Qiu Y,Xiong Y,Xiao H,Yi H,Wen X,Lin Z,Wang Z,Yang X,Jiang Z

Inhibition of Fungal Strains Isolated from Cereal Grains via Vapor Phase of Essential Oils.

Molecules (Basel, Switzerland) , Volume: 26 Issue: 5 2021 Mar 1

Authors Strelková T,Nemes B,Kovács A,Novotný D,Božik M,Kloucek P

Cloudy Apple Juice Fermented by Lactobacillus Prevents Obesity via Modulating Gut Microbiota and Protecting Intestinal Tract Health.

Nutrients , Volume: 13 Issue: 3 2021 Mar 17

Authors Han M,Zhang M,Wang X,Bai X,Yue T,Gao Z

A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial.

Nutrients , Volume: 13 Issue: 4 2021 Mar 27

Authors Barnett MPG,Young W,Armstrong K,Brewster D,Cooney JM,Ellett S,Espley RV,Laing W,Maclea P,McGhie T,Pringle G,Roy NC,Ferguson LR

Influence of Short-Term Consumption of Hericium erinaceus on Serum Biochemical Markers and the Changes of the Gut Microbiota: A Pilot Study.

Nutrients , Volume: 13 Issue: 3 2021 Mar 21

Authors Xie XQ,Geng Y,Guan Q,Ren Y,Guo L,Lv Q,Lu ZM,Shi JS,Xu ZH

Influence of Short-Term Consumption of Hericium erinaceus on Serum Biochemical Markers and the Changes of the Gut Microbiota: A Pilot Study.

Nutrients , Volume: 13 Issue: 3 2021 Mar 21

Authors Xie XQ,Geng Y,Guan Q,Ren Y,Guo L,Lv Q,Lu ZM,Shi JS,Xu ZH

Ingestion of High β -Glucan Barley Flour Enhances the Intestinal Immune System of Diet-Induced Obese Mice by Prebiotic Effects.

Nutrients , Volume: 13 Issue: 3 2021 Mar 11

Authors Mio K,Otake N,Nakashima S,Matsuoka T,Aoe S

Sulfoquinovose is a select nutrient of prominent bacteria and a source of hydrogen sulfide in the human gut.

The ISME journal , 2021 Mar 31

Authors Hanson BT,Dimitri Kits K,Löffler J,Burrichter AG,Fiedler A,Denger K,Frommeyer B,Herbold CW,Rattei T,Karcher N,Segata N,Schleheck D,Loy A

Fasting alters the gut microbiome reducing blood pressure and body weight in metabolic syndrome patients.

Nature communications , Volume: 12 Issue: 1 2021 Mar 30

Authors Maifeld A,Bartolomaeus H,Löber U,Avery EG,Steckhan N,Markó L,Wilck N,Hamad I,Šušnjar U,Mähler A,Hohmann C,Chen CY,Cramer H,Dobos G,Lesker TR,Strowig T,Dechend R,Bzdok D,Kleinewietfeld M,Michalsen A,Müller DN,Forslund SK

Mediterranean diet consumption affects the endocannabinoid system in overweight and obese subjects: possible links with gut microbiome, insulin resistance and inflammation.

European journal of nutrition , Volume: 60 Issue: 7 2021 Oct

Authors Tagliamonte S,Laiola M,Ferracane R,Vitale M,Gallo MA,Meslier V,Pons N,Ercolini D,Vitaglione P

Effect of Blueberry Anthocyanin-Rich Extracts on Peripheral and Hippocampal Antioxidant Defensiveness: The Analysis of the Serum Fatty Acid Species and Gut Microbiota Profile.

Journal of agricultural and food chemistry , Volume: 69 Issue: 12 2021 Mar 31

Authors Si X,Bi J,Chen Q,Cui H,Bao Y,Tian J,Shu C,Wang Y,Tan H,Zhang W,Chen Y,Li B

Chilean Rhubarb, Gunnera tinctoria (Molina) Mirb. (Gunneraceae): UHPLC-ESI-Orbitrap-MS Profiling of Aqueous Extract and its Anti-Helicobacter pylori Activity.

Frontiers in pharmacology , Volume: 11 2020

Authors Hebel-Gerber S,García-Cancino A,Urbina A,Simirgiotis MJ,Echeverría J,Bustamante-Salazar L,Sáez-Carrillo K,Alarcón J,Pastene-Navarrete E

Ramadan Fasting Leads to Shifts in Human Gut Microbiota Structured by Dietary Composition.

Frontiers in microbiology , Volume: 12 2021

Authors Ali I,Liu K,Long D,Faisal S,Hilal MG,Al I,Huang X,Long R

Gut Microbiota Bacterial Species Associated with Mediterranean Diet-Related Food Groups in a Northern Spanish Population.

Nutrients , Volume: 13 Issue: 2 2021 Feb 16

Authors Rosés C,Cuevas-Sierra A,Quintana S,Riezu-Boj JI,Martínez JA,Milagro FI,Barceló A

Lactobacillus plantarum and Bifidobacterium bifidum alleviate dry eye in mice with exorbital lacrimal gland excision by modulating gut inflammation and microbiota.

Food & function , Volume: 12 Issue: 6 2021 Mar 21

Authors Yun SW,Son YH,Lee DY,Shin YJ,Han MJ,Kim DH

Effect of Quercetin on Lipids Metabolism Through Modulating the Gut Microbial and AMPK/PPAR Signaling Pathway in Broilers.

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Wang M,Wang B,Wang S,Lu H,Wu H,Ding M,Ying L,Mao Y,Li Y

Antibiofilm effects of Thymus vulgaris and Hyptis spicigera essential oils on cariogenic bacteria.

Future microbiology , Volume: 16 2021 Mar

Authors de Oliveira MA,da C Vegian MR,Brighenti FL,Salvador MJ,Koga-Ito CY

Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice.

mSystems , Volume: 6 Issue: 1 2021 Feb 23

Authors Shi Z,Lei H,Chen G,Yuan P,Cao Z,Ser HL,Zhu X,Wu F,Liu C,Dong M,Song Y,Guo Y,Chen C,Hu K,Zhu Y,Zeng XA,Zhou J,Lu Y,Patterson AD,Zhang L

Modulation effects of Dendrobium officinale on gut microbiota of type 2 diabetes model mice.

FEMS microbiology letters , Volume: 368 Issue: 5 2021 Apr 8

Authors Wang S,Li XY,Shen L

Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.

Frontiers in bioengineering and biotechnology , Volume: 9 2021

Authors Fu J,Wang Y,Tan S,Wang J

The gut microbiome modulates the protective association between a Mediterranean diet and cardiometabolic disease risk.

Nature medicine , Volume: 27 Issue: 2 2021 Feb

Authors Wang DD,Nguyen LH,Li Y,Yan Y,Ma W,Rinott E,Ivey KL,Shai I,Willett WC,Hu FB,Rimm EB,Stampfer MJ,Chan AT,Huttenhower C

The effect of acute moderate-intensity exercise on the serum and fecal metabolomes and the gut microbiota of cross-country endurance athletes.

Scientific reports , Volume: 11 Issue: 1 2021 Feb 11

Authors Tabone M,Bressa C,García-Merino JA,Moreno-Pérez D,Van EC,Castelli FA,Fenaille F,Larrosa M

Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial.

European journal of nutrition , Volume: 60 Issue: 6 2021 Sep

Authors Neyrinck AM,Rodríguez J,Zhang Z,Seethaler B,Sánchez CR,Roumain M,Hiel S,Bindels LB,Cani PD,Paquot N,Cnop

M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM

Dietary intake of walnut prevented Helicobacter pylori-associated gastric cancer through rejuvenation of chronic atrophic gastritis.

Journal of clinical biochemistry and nutrition , Volume: 68 Issue: 1 2021 Jan

Authors Park JM,Han YM,Park YJ,Hahm KB

Uridine attenuates obesity, ameliorates hepatic lipid accumulation and modifies the gut microbiota composition in mice fed with a high-fat diet.

Food & function , Volume: 12 Issue: 4 2021 Mar 1

Authors Liu Y,Xie C,Zhai Z,Deng ZY,De Jonge HR,Wu X,Ruan Z

Probiotic consumption relieved human stress and anxiety symptoms possibly via modulating the neuroactive potential of the gut microbiota.

Neurobiology of stress , Volume: 14 2021 May

Authors Ma T,Jin H,Kwok LY,Sun Z,Liong MT,Zhang H

Effect of probiotic Lactobacillus plantarum Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults.

World journal of gastroenterology , Volume: 27 Issue: 1 2021 Jan 7

Authors Rahayu ES,Mariyatun M,Putri Manurung NE,Hasan PN,Therdatha P,Mishima R,Komalasari H,Mahfuzah

NA,Pamungkaningtyas FH,Yoga WK,Nurfiana DA,Liwan SY,Juffrie M,Nugroho AE,Utami T

Kale Attenuates Inflammation and Modulates Gut Microbial Composition and Function in C57BL/6J Mice with Diet-Induced Obesity.

Microorganisms , Volume: 9 Issue: 2 2021 Jan 24

Authors Shahinozzaman M,Raychaudhuri S,Fan S,Obanda DN

Pretreatment with chitosan oligosaccharides attenuate experimental severe acute pancreatitis via inhibiting oxidative stress and modulating intestinal homeostasis.

Acta pharmacologica Sinica , 2021 Jan 25

Authors Mei QX,Hu JH,Huang ZH,Fan JJ,Huang CL,Lu YY,Wang XP,Zeng Y

Effect of dietary inclusion of dried apple pomace on faecal butyrate concentration and modulation of gut microbiota in dogs.

Archives of animal nutrition , Volume: 75 Issue: 1 2021 Feb

Authors de Brito CBM,Menezes Souza CM,Bastos TS,Mesa D,Oliveira SG,Félix AP

Pharmacological Therapy Determines the Gut Microbiota Modulation by a Pomegranate Extract Nutraceutical in Metabolic Syndrome: A Randomized Clinical Trial.

Molecular nutrition & food research , Volume: 65 Issue: 6 2021 Mar

Authors Cortés-Martín A,Iglesias-Aguirre CE,Meoro A,Selma MV,Espín JC

A pilot study on the relationship between Lactobacillus, Bifidobacterium counts and inflammatory factors following exercise training.

Archives of physiology and biochemistry , Volume: 129 Issue: 3 2023 Jun

Authors Mahdieh MS,Maryam J,Bita B,Neda F,Motahare M,Mahboobeh B,LeBris S Q,Kalani Behrooz S

California strawberry consumption increased the abundance of gut microorganisms related to lean body weight, health and longevity in healthy subjects.

Nutrition research (New York, N.Y.) , Volume: 85 2021 Jan

Authors Ezzat-Zadeh Z,Henning SM,Yang J,Woo SL,Lee RP,Huang J,Thames G,Gilbuena I,Tseng CH,Heber D,Li Z

Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (Gallus gallus): A Systematic Review.

Nutrients , Volume: 13 Issue: 1 2021 Jan 9

Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E

Inulin ameliorates schizophrenia via modulation of the gut microbiota and anti-inflammation in mice.

Food & function , Volume: 12 Issue: 3 2021 Feb 15

Authors Guo L,Xiao P,Zhang X,Yang Y,Yang M,Wang T,Lu H,Tian H,Wang H,Liu J

Dietary Inulin Supplementation Modulates Short-Chain Fatty Acid Levels and Cecum Microbiota Composition and Function in Chickens Infected With Salmonella.

Frontiers in microbiology , Volume: 11 2020

Authors Song J,Li Q,Everaert N,Liu R,Zheng M,Zhao G,Wen J

The Effect of Xylooligosaccharide, Xylan, and Whole Wheat Bran on the Human Gut Bacteria.

Frontiers in microbiology , Volume: 11 2020

Authors Chen M,Liu S,Imam KMSU,Sun L,Wang Y,Gu T,Wen B,Xin F

Combined Lycium barbarum polysaccharides and C-phycocyanin increase gastric Bifidobacterium relative abundance and protect against gastric ulcer caused by aspirin in rats.

Nutrition & metabolism , Volume: 18 Issue: 1 2021 Jan 6

Authors Hsieh SY,Lian YZ,Lin IH,Yang YC,Tinkov AA,Skalny AV,Chao JC

Lactulose ingestion causes an increase in the abundance of gut-resident bifidobacteria in Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

Beneficial microbes , 2021 Jan 4

Authors Sakai Y,Hamano H,Ochi H,Abe F,Masuda K,Iino H

Blueberry and cranberry anthocyanin extracts reduce bodyweight and modulate gut microbiota in C57BL/6J mice fed with a high-fat diet.

European journal of nutrition , 2021 Jan 3

Authors Liu J,Hao W,He Z,Kwek E,Zhu H,Ma N,Ma KY,Chen ZY

Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M²-Nuclear Factor- κ B-Nod-Like Receptor Protein 3 Pathway via gut-Liver Axis in Mice.

Frontiers in pharmacology , Volume: 11 2020

Authors Bao T,He F,Zhang X,Zhu L,Wang Z,Lu H,Wang T,Li Y,Yang S,Wang H

Selective Utilization of the Human Milk Oligosaccharides 2'-Fucosyllactose, 3-Fucosyllactose, and Difucosyllactose by Various Probiotic and Pathogenic Bacteria.

Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13

Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Angenius H,Maukonen J

Pomegranate peel extract ameliorates the severity of experimental autoimmune encephalomyelitis via modulation of gut microbiota.

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Lu XY,Han B,Deng X,Deng SY,Zhang YY,Shen PX,Hui T,Chen RH,Li X,Zhang Y

Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Long-Chain Inulin Intake.

Molecular nutrition & food research , Volume: 65 Issue: 4 2021 Feb

Authors Kiewiet MBG,Elderman ME,El Aidy S,Burgerhof JGM,Visser H,Vaughan EE,Faas MM,de Vos P

Exopolysaccharides from Lactobacillus plantarum YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.

Acta biochimica Polonica , Volume: 67 Issue: 4 2020 Dec 17

Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y

Impact of Mediterranean Diet on Disease Activity and Gut Microbiota Composition of Rheumatoid Arthritis Patients.

Microorganisms , Volume: 8 Issue: 12 2020 Dec 14

Authors Picchianti Diamanti A,Panebianco C,Salerno G,Di Rosa R,Salemi S,Sorgi ML,Meneguzzi G,Mariani MB,Rai A,Iacono D,Sesti G,Pazienza V,Laganà B

The Fungal Microbiome and Asthma.

Frontiers in cellular and infection microbiology , Volume: 10 2020

Authors van Tilburg Bernardes E,Gutierrez MW,Arrieta MC

Administration of Saccharomyces boulardii maffio-1701 improves feed conversion ratio, promotes antioxidant capacity, alleviates intestinal inflammation and modulates gut microbiota in weaned piglets.

Journal of animal science and biotechnology , Volume: 11 Issue: 1 2020 Dec 4

Authors Zhang W,Bao C,Wang J,Zang J,Cao Y

Lycium barbarum polysaccharide attenuates myocardial injury in high-fat diet-fed mice through manipulating the gut microbiome and fecal metabolome.

Food research international (Ottawa, Ont.) , Volume: 138 Issue: Pt B 2020 Dec

Authors Zhang Z,Liu H,Yu B,Tao H,Li J,Wu Z,Liu G,Yuan C,Guo L,Cui B

Green tea leaf powder prevents dyslipidemia in high-fat diet-fed mice by modulating gut microbiota.

Food & nutrition research , Volume: 64 2020

Authors Wang J,Li P,Liu S,Zhang B,Hu Y,Ma H,Wang S

Glycine-based treatment ameliorates NAFLD by modulating fatty acid oxidation, glutathione synthesis, and the gut microbiome.

Science translational medicine , Volume: 12 Issue: 572 2020 Dec 2

Authors Rom O,Liu Y,Liu Z,Zhao Y,Wu J,Ghrayeb A,Villacorta L,Fan Y,Chang L,Wang L,Liu C,Yang D,Song J,Rech JC,Guo Y,Wang H,Zhao G,Liang W,Koike Y,Lu H,Koike T,Hayek T,Pennathur S,Xi C,Wen B,Sun D,Garcia-Barrio MT,Aviram M,Gottlieb E,Mor I,Liu W,Zhang J,Chen YE

Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.

European journal of nutrition , 2020 Nov 22

Authors Xu H,Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H

Lactobacillus plantarum relieves diarrhea caused by enterotoxin-producing Escherichia coli through inflammation modulation and gut microbiota regulation.

Food & function , Volume: 11 Issue: 12 2020 Dec 1

Authors Yue Y, He Z, Zhou Y, Ross RP, Stanton C, Zhao J, Zhang H, Yang B, Chen W

Effects of Different Human Milk Oligosaccharides on Growth of *Bifidobacteria* in Monoculture and Co-culture With *Faecalibacterium prausnitzii*.

Frontiers in microbiology, Volume: 11 2020

Authors Cheng L, Kieviet MBG, Logtenberg MJ, Groeneveld A, Nauta A, Schols HA, Walvoort MTC, Harmsen HJM, de Vos P

Modulation of the Gut Microbiome and Obesity Biomarkers by *Lactobacillus Plantarum* KC28 in a Diet-Induced Obesity Murine Model.

Probiotics and antimicrobial proteins, 2020 Nov 14

Authors Huang E, Kim S, Park H, Park S, Ji Y, Todorov SD, Lim SD, Holzapfel WH

Minor Changes in the Composition and Function of the Gut Microbiota During a 12-Week Whole Grain Wheat or Refined Wheat Intervention Correlate with Liver Fat in Overweight and Obese Adults.

The Journal of nutrition, Volume: 151 Issue: 3 2021 Mar 11

Authors van Trijp MPH, Schutte S, Esser D, Wopereis S, Hoevenaars FPM, Hooiveld GJEJ, Afman LA

Dynamic gut microbiome changes to low-iron challenge.

Applied and environmental microbiology, 2020 Nov 13

Authors Coe GL, Pinkham NV, Celis AI, Johnson C, DuBois JL, Walk ST

Effect of Five Commercial Probiotic Formulations on *Candida Albicans* Growth: In Vitro Study.

The Journal of clinical pediatric dentistry, Volume: 44 Issue: 5 2020 Sep 1

Authors Hernández-Bautista LM, Márquez-Preciado R, Ortiz-Magdaleno M, Pozos-Guillén A, Aranda-Romo S, Sánchez-Vargas LO

Alginate- and Gelatin-Coated Apple Pieces as Carriers for *Bifidobacterium animalis* subsp. *lactis* DSM 10140.

Frontiers in microbiology, Volume: 11 2020

Authors Campaniello D, Bevilacqua A, Speranza B, Sinigaglia M, Corbo MR

Black garlic melanoidins prevent obesity, reduce serum LPS levels and modulate the gut microbiota composition in high-fat diet-induced obese C57BL/6J mice.

Food & function, Volume: 11 Issue: 11 2020 Nov 18

Authors Wu J, Liu Y, Dou Z, Wu T, Liu R, Sui W, Jin Y, Zhang M

Goat Milk Oligosaccharides: Their Diversity, Quantity, and Functional Properties in Comparison to Human Milk Oligosaccharides.

Journal of agricultural and food chemistry, Volume: 68 Issue: 47 2020 Nov 25

Authors van Leeuwen SS, Te Poele EM, Chatziioannou AC, Benjamins E, Haandrikman A, Dijkhuizen L

Anti-inflammatory *Bifidobacterium* strains prevent dextran sodium sulfate induced colitis and associated gut microbial dysbiosis in mice.

Scientific reports, Volume: 10 Issue: 1 2020 Oct 29

Authors Singh S, Bhatia R, Khare P, Sharma S, Rajarammohan S, Bishnoi M, Bhadada SK, Sharma SS, Kaur J, Kondepudi KK

Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice.

European journal of nutrition, Volume: 60 Issue: 4 2021 Jun

Authors Guo Y, Yu Y, Li H, Ding X, Li X, Jing X, Chen J, Liu G, Lin Y, Jiang C, Liu Z, He Y, Li C, Tian Z

Coadministration of metformin prevents olanzapine-induced metabolic dysfunction and regulates the gut-liver axis in rats.

Psychopharmacology, Volume: 238 Issue: 1 2021 Jan

Authors Luo C, Wang X, Huang HX, Mao XY, Zhou HH, Liu ZQ

A High-Fat Diet Increases Gut Microbiota Biodiversity and Energy Expenditure Due to Nutrient Difference.

Nutrients, Volume: 12 Issue: 10 2020 Oct 20

Authors Wang B, Kong Q, Li X, Zhao J, Zhang H, Chen W, Wang G

The in vitro Effects of the Probiotic Strain, *Lactobacillus casei* ZX633 on Gut Microbiota Composition in Infants With Diarrhea.

Frontiers in cellular and infection microbiology, Volume: 10 2020

Authors Wang X, Zhang M, Wang W, Lv H, Zhang H, Liu Y, Tan Z

Effects of Non-insulin Anti-hyperglycemic Agents on Gut Microbiota: A Systematic Review on Human and Animal Studies.

Frontiers in endocrinology, Volume: 11 2020

Authors Cao TTB, Wu KC, Hsu JL, Chang CS, Chou C, Lin CY, Liao YM, Lin PC, Yang LY, Lin HW

Oat bran and wheat bran impact net energy by shaping microbial communities and fermentation products in pigs fed diets with or without xylanase.

Journal of animal science and biotechnology, Volume: 11 2020

Authors Lyu Z, Wang L, Wang J, Wang Z, Zhang S, Wang J, Cheng J, Lai C

Dietary Epigallocatechin-3-Gallate Alters the Gut Microbiota of Obese Diabetic db/db Mice: *Lactobacillus* Is a Putative Target.

Journal of medicinal food, Volume: 23 Issue: 10 2020 Oct

Authors Park JM, Shin Y, Kim SH, Jin M, Choi JJ

Effect of resveratrol and quercetin on the susceptibility of *Escherichia coli* to antibiotics.

World journal of microbiology & biotechnology, Volume: 36 Issue: 11 2020 Oct 6

Authors Oktyabrsky ON,Bezmaternykh KV,Smirnova GV,Tyulenev AV

Intermittent Fasting Improves Cardiometabolic Risk Factors and Alters Gut Microbiota in Metabolic Syndrome Patients.

The Journal of clinical endocrinology and metabolism , Volume: 106 Issue: 1 2021 Jan 1

Authors Guo Y,Luo S,Ye Y,Yin S,Fan J,Xia M

Competitive reduction of poultry-borne enteric bacterial pathogens in chicken gut with bioactive Lactobacillus casei.

Scientific reports , Volume: 10 Issue: 1 2020 Oct 1

Authors Tabashsum Z,Peng M,Alvarado-Martinez Z,Aditya A,Bhatti J,Romo PB,Young A,Biswas D

Rhubarb Supplementation Prevents Diet-Induced Obesity and Diabetes in Association with Increased Akkermansia muciniphila in Mice.

Nutrients , Volume: 12 Issue: 10 2020 Sep 24

Authors Régnier M,Rastelli M,Morissette A,Suriano F,Le Roy T,Pilon G,Delzenne NM,Marette A,Van Hul M,Cani PD

The Influence of Essential Oils on Gut Microbial Profiles in Pigs.

Animals : an open access journal from MDPI , Volume: 10 Issue: 10 2020 Sep 24

Authors Ruzauskas M,Bartkiene E,Stankevicius A,Bernatoniene J,Zadeike D,Lele V,Starkute V,Zavistanaviciute P,Grigas J,Zokaityte E,Pautienius A,Juodeikiene G,Jakstas V

Berry Polyphenols and Fibers Modulate Distinct Microbial Metabolic Functions and Gut Microbiota Enterotype-Like Clustering in Obese Mice.

Frontiers in microbiology , Volume: 11 2020

Authors Rodríguez-Daza MC,Roquim M,Dudonné S,Pilon G,Levy E,Marette A,Roy D,Desjardins Y

Feasibility and effects on the gut microbiota of a 12-week high-intensity interval training plus lifestyle education intervention on inactive adults with celiac disease.

Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme , Volume: 46 Issue: 4 2021 Apr

Authors Warbeck C,Dowd AJ,Kronlund L,Parmer C,Daun JT,Wytsma-Fisher K,Millet GY,Schick A,Reimer RA,Fung T,Culos-Reed SN

Effects of Brazilian green propolis extract on planktonic cells and biofilms of multidrug-resistant strains of Klebsiella pneumoniae and Pseudomonas aeruginosa.

Biofouling , Volume: 36 Issue: 7 2020 Aug

Authors Santos PBDRED,Ávila DDS,Ramos LP,Yu AR,Santos CEDR,Berretta AA,Camargo SEA,Oliveira JR,Oliveira LD

Exercise Preconditioning Attenuates the Response to Experimental Colitis and Modifies Composition of Gut Microbiota in Wild-Type Mice.

Life (Basel, Switzerland) , Volume: 10 Issue: 9 2020 Sep 14

Authors Cho J,Kim D,Kang H

A diet-induced gut microbiota component and related plasma metabolites are associated with depressive-like behaviour in rats.

European neuropsychopharmacology : the journal of the European College of Neuropsychopharmacology , Volume: 43 2021 Feb

Authors Abildgaard A,Kern T,Pedersen O,Hansen T,Lund S,Wegener G

Mechanistic insights into the structure-dependant and strain-specific utilization of wheat arabinoxylan by Bifidobacterium longum.

Carbohydrate polymers , Volume: 249 2020 Dec 1

Authors Song AX,Li LQ,Yin JY,Chiou JC,Wu JY

Relative abundance of the Prevotella genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.

BMC microbiology , Volume: 20 Issue: 1 2020 Sep 14

Authors Chung WSF,Walker AW,Bosscher D,Garcia-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ

Osteoprotective effect of green tea polyphenols and annatto-extracted tocotrienol in obese mice is associated with enhanced microbiome vitamin K(2) biosynthetic pathways.

The Journal of nutritional biochemistry , Volume: 86 2020 Dec

Authors Elmassry MM,Chung E,Cao JJ,Hamood AN,Shen CL

Environmental and Intestinal Phylum Firmicutes Bacteria Metabolize the Plant Sugar Sulfoquinovose via a 6-Deoxy-6-sulfofructose Transaldolase Pathway.

iScience , Volume: 23 Issue: 9 2020 Aug 28

Authors Frommeyer B,Fiedler AW,Oehler SR,Hanson BT,Loy A,Franchini P,Spiteller D,Schleheck D

Brazilian southeast brown propolis: gas chromatography method development for its volatile oil analysis, its antimicrobial and leishmanicidal activities evaluation.

Phytochemical analysis : PCA , Volume: 32 Issue: 3 2021 May

Authors Ribeiro VP,Arruda C,Mejía JAA,Candido ACBB,Dos Santos RA,Magalhães LG,Bastos JK

Effect of Alliaceae Extract Supplementation on Performance and Intestinal Microbiota of Growing-Finishing Pig**Animals : an open access journal from MDPI** , Volume: 10 Issue: 9 2020 Sep 2

Authors Sánchez CJ,Martínez-Miró S,Ariza JJ,Madrid J,Orengo J,Aguinaga MA,Baños A,Hernández F

Intervention with kimchi microbial community ameliorates obesity by regulating gut microbiota.**Journal of microbiology (Seoul, Korea)** , 2020 Sep 2

Authors Park SE,Kwon SJ,Cho KM,Seo SH,Kim EJ,Unno T,Bok SH,Park DH,Son HS

Akkermansia muciniphila uses human milk oligosaccharides to thrive in the early life conditions in vitro.**Scientific reports** , Volume: 10 Issue: 1 2020 Aug 31

Authors Kostopoulos I,Elzinga J,Ottman N,Klievink JT,Blijenberg B,Aalvink S,Boeren S,Mank M,Knol J,de Vos WM,Belzer C

What we already know about rhubarb: a comprehensive review.**Chinese medicine** , Volume: 15 2020

Authors Xiang H,Zuo J,Guo F,Dong D

Rhubarb Enema Improved Colon Mucosal Barrier Injury in 5/6 Nephrectomy Rats May Associate With Gut Microbiota Modification.**Frontiers in pharmacology** , Volume: 11 2020

Authors Ji C,Deng Y,Yang A,Lu Z,Chen Y,Liu X,Han L,Zou C

The Effects of Dietary Glycine on the Acetic Acid-Induced Mouse Model of Colitis.**Mediators of inflammation** , Volume: 2020 2020

Authors Wu X,Zheng Y,Ma J,Yin J,Chen S

A novel inulin-type fructan from Asparagus cochinchinensis and its beneficial impact on human intestinal microbiota.**Carbohydrate polymers** , Volume: 247 2020 Nov 1

Authors Sun Q,Zhu L,Li Y,Cui Y,Jiang S,Tao N,Chen H,Zhao Z,Xu J,Dong C

Contributions of Lactobacillus plantarum PC170 administration on the recovery of gut microbiota after short-term ceftriaxone exposure in mice.**Beneficial microbes** , Volume: 11 Issue: 5 2020 Sep 1

Authors Cheng R,Liang H,Zhang Y,Guo J,Miao Z,Shen X,Chen G,Cheng G,Li M,He F

Reciprocal Interactions between Epigallocatechin-3-gallate (EGCG) and Human Gut Microbiota In Vitro.**Journal of agricultural and food chemistry** , Volume: 68 Issue: 36 2020 Sep 9

Authors Liu Z,de Bruijn WJC,Bruins ME,Vincken JP

Impacts of Habitual Diets Intake on Gut Microbial Counts in Healthy Japanese Adults.**Nutrients** , Volume: 12 Issue: 8 2020 Aug 12

Authors Sugimoto T,Shima T,Amamoto R,Kaga C,Kado Y,Watanabe O,Shiinoki J,Iwazaki K,Shigemura H,Tsuji H,Matsumoto S

Epigallocatechin-3-gallate (EGCG) attenuates non-alcoholic fatty liver disease via modulating the interaction between gut microbiota and bile acids.**Journal of clinical biochemistry and nutrition** , Volume: 67 Issue: 1 2020 Jul

Authors Naito Y,Ushiroda C,Mizushima K,Inoue R,Yasukawa Z,Abe A,Takagi T

Nuts and their Effect on Gut Microbiota, Gut Function and Symptoms in Adults: A Systematic Review and Meta-Analysis of Randomised Controlled Trials.**Nutrients** , Volume: 12 Issue: 8 2020 Aug 6

Authors Creedon AC,Hung ES,Berry SE,Whelan K

Lactobacillus plantarum PS128 Improves Physiological Adaptation and Performance in Triathletes through Gut Microbiota Modulation.**Nutrients** , Volume: 12 Issue: 8 2020 Aug 1

Authors Huang WC,Pan CH,Wei CC,Huang HY

Impact of Heat-Killed Lactobacillus casei Strain IMAU60214 on the Immune Function of Macrophages in Malnourished Children.**Nutrients** , Volume: 12 Issue: 8 2020 Jul 31

Authors Rocha-Ramírez LM,Hernández-Ochoa B,Gómez-Manzo S,Marcial-Quino J,Cárdenas-Rodríguez N,Centeno-Leija S,García-Garibay M

Long-Term Intake of Pork Meat Proteins Altered the Composition of Gut Microbiota and Host-Derived Proteins in the Gut Contents of Mice.**Molecular nutrition & food research** , Volume: 64 Issue: 17 2020 Sep

Authors Xie Y,Wang C,Zhao D,Zhou C,Li C

Dietary Mannan-oligosaccharides potentiate the beneficial effects of Bifidobacterium bifidum in broiler chicken.**Letters in applied microbiology** , Volume: 71 Issue: 5 2020 Nov

Authors Dev K,Akbar Mir N,Biswas A,Kannoujia J,Begum J,Kant R

Modulation of the Gut Microbiota by Olive Oil Phenolic Compounds: Implications for Lipid Metabolism, Immune System, and Obesity.

Nutrients , Volume: 12 Issue: 8 2020 Jul 23

Authors Farràs M,Martinez-Gili L,Portune K,Arranz S,Frost G,Tondo M,Blanco-Vaca F

[The effect of nut consumption \(tree nuts and peanuts\) on the gut microbiota of humans: a systematic review.](#)

The British journal of nutrition , Volume: 125 Issue: 5 2021 Mar 14

Authors Fitzgerald E,Lambert K,Stanford J,Neale EP

[Long-term Consumption of 2-O- \$\beta\$ -D-Glucopyranosyl-L-ascorbic Acid from the Fruits of *Lycium barbarum* Modulates Gut Microbiota in C57BL/6 Mice.](#)

Journal of agricultural and food chemistry , 2020 Jul 24

Authors Dong W,Huang K,Yan Y,Wan P,Peng Y,Zeng X,Cao Y

[Early supplementation of *Saccharomyces cerevisiae* boulardii CNCM I-1079 in newborn dairy calves increases IgA production in the intestine at 1 week of age.](#)

Journal of dairy science , Volume: 103 Issue: 9 2020 Sep

Authors Villot C,Chen Y,Pedgerachny K,Chaucheyras-Durand F,Chevaux E,Skidmore A,Guan LL,Steele MA

[Effects of banana powder \(*Musa acuminata* Colla\) on the composition of human fecal microbiota and metabolic output using in vitro fermentation.](#)

Journal of food science , Volume: 85 Issue: 8 2020 Aug

Authors Tian DD,Xu XQ,Peng Q,Zhang YW,Zhang PB,Qiao Y,Shi B

[Effect of banana pulp dietary fibers on metabolic syndrome and gut microbiota diversity in high-fat diet mice.](#)

Journal of food biochemistry , 2020 Jul 14

Authors Wei G,Ye Y,Yan X,Chao X,Yang F,Wang M,Zhang W,Yuan C,Zeng Q

[Anti-Obesity Effect of *Lactobacillus plantarum* LB818 Is Associated with Regulation of Gut Microbiota in High-Fat Diet-Fed Obese Mice.](#)

Journal of medicinal food , Volume: 23 Issue: 7 2020 Jul

Authors Hussain A,Kwon MH,Kim HK,Lee HS,Cho JS,Lee YI

[Exercise training modulates the gut microbiota profile and impairs inflammatory signaling pathways in obese children.](#)

Experimental & molecular medicine , Volume: 52 Issue: 7 2020 Jul

Authors Quiroga R,Nistal E,Estébanez B,Porras D,Juárez-Fernández M,Martínez-Flórez S,García-Mediavilla MV,de Paz

JA,González-Gallego J,Sánchez-Campos S,Cuevas MJ

[Sulforaphane alter the microbiota and mitigate colitis severity on mice ulcerative colitis induced by DSS.](#)

AMB Express , Volume: 10 Issue: 1 2020 Jul 3

Authors Zhang Y,Tan L,Li C,Wu H,Ran D,Zhang Z

[Butyrate producing colonic Clostridiales metabolise human milk oligosaccharides and cross feed on mucin via conserved pathways.](#)

Nature communications , Volume: 11 Issue: 1 2020 Jul 3

Authors Pichler MJ,Yamada C,Shuoker B,Alvarez-Silva C,Gotoh A,Leth ML,Schoof E,Katoh T,Sakanaka M,Katayama T,Jin

C,Karlsson NG,Arumugam M,Fushinobu S,Abou Hachem M

[Cocoa Polyphenols and Gut Microbiota Interplay: Bioavailability, Prebiotic Effect, and Impact on Human Health.](#)

Nutrients , Volume: 12 Issue: 7 2020 Jun 27

Authors Sorrenti V,Ali S,Mancin L,Davinelli S,Paoli A,Scapagnini G

[Green Tea Encourages Growth of *Akkermansia muciniphila*.](#)

Journal of medicinal food , 2020 Jun 25

Authors Jeong HW,Kim JK,Kim AY,Cho D,Lee JH,Choi JK,Park M,Kim W

[Consumption of Stilbenes and Flavonoids is Linked to Reduced Risk of Obesity Independently of Fiber Intake.](#)

Nutrients , Volume: 12 Issue: 6 2020 Jun 23

Authors Mompeo O,Spector TD,Matey Hernandez M,Le Roy C,Istas G,Le Sayec M,Mangino M,Jennings A,Rodríguez-Mateos A,Valdes AM,Menni C

[Amoxicillin Increased Functional Pathway Genes and Beta-Lactam Resistance Genes by Pathogens Bloomed in Intestinal Microbiota Using a Simulator of the Human Intestinal Microbial Ecosystem.](#)

Frontiers in microbiology , Volume: 11 2020

Authors Liu L,Wang Q,Lin H,Das R,Wang S,Qi H,Yang J,Xue Y,Mao D,Luo Y

[Effect of chitooligosaccharides on human gut microbiota and antiglycation.](#)

Carbohydrate polymers , Volume: 242 2020 Aug 15

Authors Liu W,Li X,Zhao Z,Pi X,Meng Y,Fei D,Liu D,Wang X

[Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?](#)

Nutrients , Volume: 12 Issue: 6 2020 Jun 12

Authors Knezevic J,Starchl C,Tmava Berisha A,Amrein K

[Time-restricted feeding is associated with changes in human gut microbiota related to nutrient intake.](#)

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 78 2020 Oct

Authors Zeb F,Wu X,Chen L,Fatima S,Ijaz-Ul-Haq,Chen A,Xu C,Jianglei R,Feng Q,Li M

Curcuma longa L. (turmeric), Rosmarinus officinalis L. (rosemary), and Thymus vulgaris L. (thyme) extracts aid murine macrophages (RAW 264.7) to fight Streptococcus mutans during in vitro infection.

Archives of microbiology , Volume: 202 Issue: 8 2020 Oct

Authors Figueira LW,de Oliveira JR,Camargo SEA,de Oliveira LD

Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.

International journal of molecular sciences , Volume: 21 Issue: 11 2020 Jun 10

Authors Spisni E,Petrocelli G,Imbesi V,Spigarelli R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC

The ameliorative effect of Lactobacillus plantarum Y44 oral administration on inflammation and lipid metabolism in obese mice fed with a high fat diet.

Food & function , Volume: 11 Issue: 6 2020 Jun 24

Authors Liu Y,Gao Y,Ma F,Sun M,Mu G,Tuo Y

Protective mechanism of rhubarb anthraquinone glycosides in rats with cerebral ischaemia-reperfusion injury: interactions between medicine and intestinal flora.

Chinese medicine , Volume: 15 2020

Authors Li Q,Guo Y,Yu X,Liu W,Zhou L

Growth Inhibitory Effects of Antimicrobial Natural Products against Cariogenic and Health-Associated Oral Bacterial Species.

Oral health & preventive dentistry , Volume: 18 Issue: 3 2020 Jul 4

Authors Philip N,Leishman S,Bandara H,Walsh L

Thymus vulgaris L. Essential Oil Solid Formulation: Chemical Profile and Spasmolytic and Antimicrobial Effects.

Biomolecules , Volume: 10 Issue: 6 2020 Jun 4

Authors Micucci M,Protti M,Aldini R,Frosini M,Corazza I,Marzetti C,Mattioli LB,Tocci G,Chiarini A,Mercolini L,Budriesi R

Dendrobium officinale Kimura et Migo and American ginseng mixture: A Chinese herbal formulation for gut microbiota modulation.

Chinese journal of natural medicines , Volume: 18 Issue: 6 2020 Jun

Authors Liu CZ,Chen W,Wang MX,Wang Y,Chen LQ,Zhao F,Shi Y,Liu HJ,Dou XB,Liu C,Chen H

Early Introduction of Solid Feeds: Ingestion Level Matters More Than Prebiotic Supplementation for Shaping Gut Microbiota.

Frontiers in veterinary science , Volume: 7 2020

Authors Paës C,Gidenne T,Bébin K,Duperray J,Gohier C,Guené-Grand E,Rebours G,Bouchez O,Barilly C,Aymard P,Combes S

Auxiliary antitumor effects of fungal proteins from Hericium erinaceus by target on the gut microbiota.

Journal of food science , Volume: 85 Issue: 6 2020 Jun

Authors Wang D,Zhu X,Tang X,Li H,Yizhen X,Chen D

Low-Fat, High-Fiber Diet Reduces Markers of Inflammation and Dysbiosis and Improves Quality of Life in Patients With Ulcerative Colitis.

Clinical gastroenterology and hepatology : the official clinical practice journal of the American

Gastroenterological Association , Volume: 19 Issue: 6 2021 Jun

Authors Fritsch J,Garces L,Quintero MA,Pignac-Kobinger J,Santander AM,Fernández I,Ban YJ,Kwon D,Phillips MC,Knight K,Mao Q,Santaolalla R,Chen XS,Maruthamuthu M,Solis N,Damas OM,Kerman DH,Deshpande AR,Lewis JE,Chen C,Abreu MT

Dietary supplementation with Lactobacillus plantarum modified gut microbiota, bile acid profile and glucose homeostasis in weaning piglets.

The British journal of nutrition , Volume: 124 Issue: 8 2020 Oct 28

Authors Lin S,Yang X,Long Y,Zhong H,Wang P,Yuan P,Zhang X,Che L,Feng B,Li J,Zhuo Y,Lin Y,Xu S,Wu D,Fang Z

Synergetic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs.

European journal of nutrition , Volume: 60 Issue: 2 2021 Mar

Authors He J,Xie H,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H

High-Meat-Protein High-Fat Diet Induced Dysbiosis of Gut Microbiota and Tryptophan Metabolism in Wistar Rats.

Journal of agricultural and food chemistry , Volume: 68 Issue: 23 2020 Jun 10

Authors Shi J,Zhao D,Song S,Zhang M,Zamaratskaia G,Xu X,Zhou G,Li C

Effect of long-term consumption of tea (Camellia sinensis L.) flower polysaccharides on maintaining intestinal health in BALB/c mice.

Journal of food science , Volume: 85 Issue: 6 2020 Jun

Authors Chen D,Ding Y,Ye H,Sun Y,Zeng X

Unsaturated alginate oligosaccharides attenuated obesity-related metabolic abnormalities by modulating gut microbiota in high-fat-diet mice.

Food & function , Volume: 11 Issue: 5 2020 May 1

Authors Li S,Wang L,Liu B,He N

Chemical Composition and Antioxidant, Antimicrobial, and Antiproliferative Activities of Cinnamomum zeylanicum Bark

Essential Oil.**Evidence-based complementary and alternative medicine : eCAM , Volume: 2020 2020**

Authors Alizadeh Behbahani B,Falah F,Lavi Arab F,Vasiee M,Tabatabaee Yazdi F

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPARα signal pathway and gut microbiota.**Applied microbiology and biotechnology , Volume: 104 Issue: 13 2020 Jul**

Authors Cai H,Wen Z,Li X,Meng K,Yang P

Antimicrobial Efficacy of Five Probiotic Strains Against Helicobacter pylori.**Antibiotics (Basel, Switzerland) , Volume: 9 Issue: 5 2020 May 11**

Authors Saracino IM,Pavoni M,Saccomanno L,Fiorini G,Pesci V,Foschi C,Piccirilli G,Bernardini G,Holton J,Figura N,Lazzarotto T,Borghi C,Vaira B

Green tea polyphenols boost gut-microbiota-dependent mitochondrial TCA and urea cycles in Sprague-Dawley rats.**The Journal of nutritional biochemistry , Volume: 81 2020 Jul**

Authors Zhou J,Tang L,Shen CL,Wang JS

5-Heptadecylresorcinol, a Biomarker for Whole Grain Rye Consumption, Ameliorates Cognitive Impairments and Neuroinflammation in APP/PS1 Transgenic Mice.**Molecular nutrition & food research , Volume: 64 Issue: 11 2020 Jun**

Authors Liu J,Wang Y,Wang Z,Hao Y,Bai W,Wang Z,Wang J

Effect of dietary fiber fermentation on short-chain fatty acid production and microbial composition in vitro.**Journal of the science of food and agriculture , Volume: 100 Issue: 11 2020 Aug 30**

Authors Bai Y,Zhao JB,Tao SY,Zhou XJ,Pi Y,Gerrits WJ,Johnston LJ,Zhang SY,Yang HJ,Liu L,Zhang S,Wang JJ

The Protective Effects of 2'-Fucosyllactose against E. Coli O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.**Nutrients , Volume: 12 Issue: 5 2020 May 1**

Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S

Efficacy of green tea and its extract, epigallocatechin-3-gallate, in the reduction of cariogenic microbiota in children: a randomized clinical trial.**Archives of oral biology , Volume: 114 2020 Jun**

Authors Vilela MM,Salvador SL,Teixeira IGL,Del Arco MCG,De Rossi A

In-vitro antibacterial effect of tea polyphenols combined with common antibiotics on multidrug-resistant Klebsiella pneumoniae.**Minerva medica , Volume: 111 Issue: 6 2020 Dec**

Authors Zhang N,Liu W,Qian K

Preventive Effects of Kaempferol on High-Fat Diet-Induced Obesity Complications in C57BL/6 Mice.**BioMed research international , Volume: 2020 2020**

Authors Wang T,Wu Q,Zhao T

Lactobacillus plantarum NA136 ameliorates nonalcoholic fatty liver disease by modulating gut microbiota, improving intestinal barrier integrity, and attenuating inflammation.**Applied microbiology and biotechnology , Volume: 104 Issue: 12 2020 Jun**

Authors Zhao Z,Chen L,Zhao Y,Wang C,Duan C,Yang G,Niu C,Li S

Cocoa diet modulates gut microbiota composition and improves intestinal health in Zucker diabetic rats.**Food research international (Ottawa, Ont.) , Volume: 132 2020 Jun**

Authors Álvarez-Cilleros D,Ramos S,López-Oliva ME,Escrivá F,Álvarez C,Fernández-Millán E,Martín MÁ

Human gut microbiome composition and tryptophan metabolites were changed differently by fast food and Mediterranean diet in 4 days: a pilot study.**Nutrition research (New York, N.Y.) , Volume: 77 2020 May**

Authors Zhu C,Sawrey-Kubicek L,Beals E,Rhodes CH,Houts HE,Sacchi R,Zivkovic AM

Effect of chicory inulin-type fructan-containing snack bars on the human gut microbiota in low dietary fiber consumers in a randomized crossover trial.**The American journal of clinical nutrition , Volume: 111 Issue: 6 2020 Jun 1**

Authors Reimer RA,Soto-Vaca A,Nicolucci AC,Mayengbam S,Park H,Madsen KL,Menon R,Vaughan EE

Cultivation of the Next-Generation Probiotic Akkermansia muciniphila, Methods of Its Safe Delivery to the Intestine, and Factors Contributing to Its Growth In Vivo.**Current microbiology , Volume: 77 Issue: 8 2020 Aug**

Authors Ropot AV,Karamzin AM,Sergeyev OV

Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.**International journal of food sciences and nutrition , Volume: 71 Issue: 8 2020 Dec**

Authors Chen K,Zhao H,Shu L,Xing H,Wang C,Lu C,Song G

Consumption of two whole kiwifruit (*Actinide chinensis*) per day improves lipid homeostasis, fatty acid metabolism and gut microbiota in healthy rats.

International journal of biological macromolecules , Volume: 156 2020 Apr 9

Authors Alim A,Li T,Nisar T,Ren D,Liu Y,Yang X

Regulatory effects of *Lactobacillus plantarum* HY7714 on skin health by improving intestinal condition.

PloS one , Volume: 15 Issue: 4 2020

Authors Nam B,Kim SA,Park SD,Kim HJ,Kim JS,Bae CH,Kim JY,Nam W,Lee JL,Sim JH

2`-fucosyllactose Supplementation Improves Gut-Brain Signaling and Diet-Induced Obese Phenotype and Changes the Gut Microbiota in High Fat-Fed Mice.

Nutrients , Volume: 12 Issue: 4 2020 Apr 5

Authors Lee S,Goodson M,Vang W,Kalanetra K,Barile D,Raybould H

Effectiveness of an oral care tablet containing kiwifruit powder in reducing oral bacteria in tongue coating: A crossover trial.

Clinical and experimental dental research , Volume: 6 Issue: 2 2020 Apr

Authors Matsumura Y,Hinode D,Fukui M,Yoshioka M,Asakuma H,Takii H

Pork Meat Proteins Alter Gut Microbiota and Lipid Metabolism Genes in the Colon of Adaptive Immune-Deficient Mice.

Molecular nutrition & food research , Volume: 64 Issue: 9 2020 May

Authors Zhang M,Zou X,Zhao D,Zhao F,Li C

Grape Extract Activates Brown Adipose Tissue Through Pathway Involving the Regulation of Gut Microbiota and Bile Acid.

Molecular nutrition & food research , 2020 Apr 5

Authors Han X,Guo J,Yin M,Liu Y,You Y,Zhan J,Huang W

Bifidobacterium longum subsp. longum Remodeled Roseburia and Phosphatidylserine Levels and Ameliorated Intestinal Disorders and liver Metabolic Abnormalities Induced by High-Fat Diet.

Journal of agricultural and food chemistry , Volume: 68 Issue: 16 2020 Apr 22

Authors Wu T,Sun M,Liu R,Sui W,Zhang J,Yin J,Fang S,Zhu J,Zhang M

Chinese Propolis Prevents Obesity and Metabolism Syndromes Induced by a High Fat Diet and Accompanied by an Altered Gut Microbiota Structure in Mice.

Nutrients , Volume: 12 Issue: 4 2020 Mar 30

Authors Zheng Y,Wu Y,Tao L,Chen X,Jones TJ,Wang K,Hu F

Effect of Supplemental Protease on Growth Performance and Excreta Microbiome of Broiler Chicks.

Microorganisms , Volume: 8 Issue: 4 2020 Mar 27

Authors Lourenco JM,Nunn SC,Lee EJ,Dove CR,Callaway TR,Azain MJ

Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.

The British journal of nutrition , Volume: 124 Issue: 3 2020 Aug 14

Authors Wang W,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H,He J

Identification of essential oils with activity against stationary phase *Staphylococcus aureus*.

BMC complementary medicine and therapies , Volume: 20 Issue: 1 2020 Mar 24

Authors Xiao S,Cui P,Shi W,Zhang Y

The effects of daily fasting hours on shaping gut microbiota in mice.

BMC microbiology , Volume: 20 Issue: 1 2020 Mar 24

Authors Li L,Su Y,Li F,Wang Y,Ma Z,Li Z,Su J

The effects of different high-fat (lard, soybean oil, corn oil or olive oil) diets supplemented with fructo-oligosaccharides on colonic alkaline phosphatase activity in rats.

European journal of nutrition , Volume: 60 Issue: 1 2021 Feb

Authors Okazaki Y,Katayama T

Ethanol extract of propolis prevents high-fat diet-induced insulin resistance and obesity in association with modulation of gut microbiota in mice.

Food research international (Ottawa, Ont.) , Volume: 130 2020 Apr

Authors Cai W,Xu J,Li G,Liu T,Guo X,Wang H,Luo L

Randomised clinical trial: effect of low-FODMAP rye bread versus regular rye bread on the intestinal microbiota of irritable bowel syndrome patients: association with individual symptom variation.

BMC nutrition , Volume: 5 2019

Authors Laatikainen R,Jalanka J,Loponen J,Hongisto SM,Hillilä M,Koskenpato J,Korpela R,Salonen A

Meat Protein in High-Fat Diet Induces Adipogenesis and Dyslipidemia by Altering Gut Microbiota and Endocannabinoid Dysregulation in the Adipose Tissue of Mice.

Journal of agricultural and food chemistry , Volume: 68 Issue: 13 2020 Apr 1

Authors Ijaz MU,Ahmad MI,Hussain M,Khan IA,Zhao D,Li C

Moringa Oleifera Oil Modulates Rumen Microflora to Mediate In Vitro Fermentation Kinetics and Methanogenesis in Total

Mix Rations.**Current microbiology** , Volume: 77 Issue: 7 2020 Jul

Authors Ebeid HM,Mengwei L,Kholif AE,Hassan FU,Lijuan P,Xin L,Chengjian Y

Effect of Saccharomyces boulardii CNCM I-745 as complementary treatment of Helicobacter pylori infection on gut microbiome.**European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology** , Volume: 39 Issue: 7 2020 Jul

Authors Cárdenas PA,Garcés D,Prado-Vivar B,Flores N,Fornasini M,Cohen H,Salvador I,Cargua O,Baldeón ME

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.**Environmental pollution (Barking, Essex : 1987)** , Volume: 261 2020 Jun

Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B

Stable Colonization of Orally Administered Lactobacillus casei SY13 Alters the Gut Microbiota.**BioMed research international** , Volume: 2020 2020

Authors Yue Y,Xu X,Yang B,Lu J,Zhang S,Liu L,Nassar K,Zhang C,Zhang M,Pang X,Lv J

Two apples a day modulate human: microbiome co-metabolic processing of polyphenols, tyrosine and tryptophan.**European journal of nutrition** , 2020 Feb 26

Authors Ulaszewska MM,Koutsos A,Trošt K,Stanstrup J,Garcia-Aloy M,Scholz M,Fava F,Natella F,Scaccini C,Vrhovsek U,Tuohy K,Lovegrove J,Mattivi F

Effects of whole-grain wheat, rye, and lignan supplementation on cardiometabolic risk factors in men with metabolic syndrome: a randomized crossover trial.**The American journal of clinical nutrition** , Volume: 111 Issue: 4 2020 Apr 1

Authors Eriksen AK,Brunius C,Mazidi M,Hellström PM,Risérus U,Iversen KN,Fristedt R,Sun L,Huang Y,Nørskov NP,Knudsen KEB,Kyrø C,Olsen A,Tjønnelund A,Dicksved J,Landberg R

Prebiotic activity of garlic (<i>Allium sativum</i>) extract on <i>Lactobacillus acidophilus</i>.**Veterinary world** , Volume: 12 Issue: 12 2019 Dec

Authors Sunu P,Sunarti D,Mahfudz LD,Yunianto VD

Use of A Hydroalcoholic Extract of Moringa oleifera Leaves for the Green Synthesis of Bismuth Nanoparticles and Evaluation of Their Anti-Microbial and Antioxidant Activities.**Materials (Basel, Switzerland)** , Volume: 13 Issue: 4 2020 Feb 15

Authors Das PE,Majdalawieh AF,Abu-Yousef IA,Narasimhan S,Poltronieri P

Structural changes in gut microbiome after Ramadan fasting: a pilot study.**Beneficial microbes** , Volume: 11 Issue: 3 2020 May 11

Authors Ozkul C,Yalinay M,Karakan T

Altered microbial community structure and metabolism in cow's milk allergic mice treated with oral immunotherapy and fructo-oligosaccharides.**Beneficial microbes** , Volume: 11 Issue: 1 2020 Feb 19

Authors Vonk MM,Engen PA,Naqib A,Green SJ,Keshavarzian A,Blokhuis BRJ,Garssen J,Knippels LMJ,van Esch BCAM

Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice.**Scientific reports** , Volume: 10 Issue: 1 2020 Feb 10

Authors Rodríguez-Daza MC,Daoust L,Boutkrabt L,Pilon G,Varin T,Dudonné S,Levy É,Marette A,Roy D,Desjardins Y

Anti-obesity effects of α-amylase inhibitor enriched-extract from white common beans (Phaseolus vulgaris L.) associated with the modulation of gut microbiota composition in high-fat diet-induced obese rats.**Food & function** , Volume: 11 Issue: 2 2020 Feb 26

Authors Shi Z,Zhu Y,Teng C,Yao Y,Ren G,Richel A

Intestinal microbes derived butyrate is related to the immunomodulatory activities of Dendrobium officinale polysaccharide.**International journal of biological macromolecules** , Volume: 149 2020 Feb 1

Authors Li M,Yue H,Wang Y,Guo C,Du Z,Jin C,Ding K

Green Synthesis of Encapsulated Copper Nanoparticles Using a Hydroalcoholic Extract of Moringa oleifera Leaves and Assessment of Their Antioxidant and Antimicrobial Activities.**Molecules (Basel, Switzerland)** , Volume: 25 Issue: 3 2020 Jan 28

Authors Das PE,Abu-Yousef IA,Majdalawieh AF,Narasimhan S,Poltronieri P

Elucidation of the potential of Moringa oleifera leaves extract as a novel alternate to the chemical coagulant in water treatment process.**Water environment research : a research publication of the Water Environment Federation** , Volume: 92 Issue: 7 2020 Jul

Authors Pandey P,Khan F,Mishra R,Singh SK

Bifidobacterium longum R0175 Protects Rats against d-Galactosamine-Induced Acute Liver Failure.**mSphere** , Volume: 5 Issue: 1 2020 Jan 29

Authors Wang K,Lv L,Yan R,Wang Q,Jiang H,Wu W,Li Y,Ye J,Wu J,Yang L,Bian X,Jiang X,Lu Y,Xie J,Wang Q,Shen J,Li L

Study on the Effect of Capsaicin on the Intestinal Flora through High-Throughput Sequencing.**ACS omega** , Volume: 5 Issue: 2 2020 Jan 21

Authors Wang F,Huang X,Chen Y,Zhang D,Chen D,Chen L,Lin J

Effect of wheat bran derived prebiotic supplementation on gastrointestinal transit, gut microbiota, and metabolic health: a randomized controlled trial in healthy adults with a slow gut transit.**Gut microbes** , Volume: 12 Issue: 1 2020 Nov 9

Authors Müller M,Hermes GDA,Emanuel E C,Holst JJ,Zoetendal EG,Smidt H,Troost F,Schaap FG,Damink SO,Jocken JWE,Lenaerts K,Masclée AAM,Blaak EE

Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome.**Beneficial microbes** , Volume: 10 Issue: 8 2019 Dec 9

Authors Nealon NJ,Parker KD,Lahaie P,Ibrahim H,Maurya AK,Raina K,Ryan EP

Saccharomyces boulardii Tht 500101 changes gut microbiota and ameliorates hyperglycaemia, dyslipidaemia, and liver inflammation in streptozotocin-diabetic mice.**Beneficial microbes** , Volume: 10 Issue: 8 2019 Dec 9

Authors Albuquerque RCMF,Brandão ABP,De Abreu ICME,Ferreira FG,Santos LB,Moreira LN,Taddei CR,Aimbire F,Cunha TS

Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.**Nutrients** , Volume: 12 Issue: 1 2020 Jan 17

Authors Aljahdali N,Gadonna-Widehem P,Anton PM,Carbonero F

In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.**Food research international (Ottawa, Ont.)** , Volume: 128 2020 Feb

Authors Henrique-Bana FC,Wang X,Costa GN,Spinosa WA,Miglioranza LHS,Scorletti E,Calder PC,Byrne CD,Gibson GR

Camellia sinensis and Litsea coreana Ameliorate Intestinal Inflammation and Modulate Gut Microbiota in Dextran Sulfate Sodium-Induced Colitis Mice.**Molecular nutrition & food research** , Volume: 64 Issue: 6 2020 Mar

Authors Liu Y,Wang X,Chen Q,Luo L,Ma M,Xiao B,Zeng L

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.**Gut microbes** , 2020 Jan 13

Authors Boling L,Cuevas DA,Grasis JA,Kang HS,Knowles B,Levi K,Maughan H,McNair K,Rojas MI,Sanchez SE,Smurthwaite C,Rohwer F

Lactobacillus casei ATCC 393 alleviates Enterotoxigenic Escherichia coli K88-induced intestinal barrier dysfunction via TLRs/mast cells pathway.**Life sciences** , Volume: 244 2020 Mar 1

Authors Xu C,Yan S,Guo Y,Qiao L,Ma L,Dou X,Zhang B

Effect of time-restricted feeding on metabolic risk and circadian rhythm associated with gut microbiome in healthy males.**The British journal of nutrition** , Volume: 123 Issue: 11 2020 Jun 14

Authors Zeb F,Wu X,Chen L,Fatima S,Haq IU,Chen A,Majeed F,Feng Q,Li M

Rapid gut microbiome changes in a world-class ultramarathon runner.**Physiological reports** , Volume: 7 Issue: 24 2019 Dec

Authors Grosicki GJ,Durk RP,Bagley JR

Effect of dietary Moringa oleifera leaves on the performance, ileal microbiota and antioxidative status of broiler chickens.**Journal of animal physiology and animal nutrition** , Volume: 104 Issue: 2 2020 Mar

Authors Abu Hafsa SH,Ibrahim SA,Eid YZ,Hassan AA

Islamic fasting leads to an increased abundance of Akkermansia muciniphila and Bacteroides fragilis group: A preliminary study on intermittent fasting.**The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology** , Volume: 30 Issue: 12 2019 Dec

Authors Özkul C,Yalinay M,Karakan T

Walnuts and Vegetable Oils Containing Oleic Acid Differentially Affect the Gut Microbiota and Associations with Cardiovascular Risk Factors: Follow-up of a Randomized, Controlled, Feeding Trial in Adults at Risk for Cardiovascular Disease.**The Journal of nutrition** , Volume: 150 Issue: 4 2020 Apr 1

Authors Tindall AM,McLimans CJ,Petersen KS,Kris-Etherton PM,Lamendella R

Oxidized Pork Induces Oxidative Stress and Inflammation by Altering Gut Microbiota in Mice.**Molecular nutrition & food research** , Volume: 64 Issue: 2 2020 Jan

Authors Ge Y,Lin S,Li B,Yang Y,Tang X,Shi Y,Sun J,Le G

High Oleic Acid Peanut Oil and Extra Virgin Olive Oil Supplementation Attenuate Metabolic Syndrome in Rats by Modulating

the Gut Microbiota.**Nutrients** , Volume: 11 Issue: 12 2019 Dec 7

Authors Zhao Z, Shi A, Wang Q, Zhou J

Gut microbiota composition during a 12-week intervention with delayed-release dimethyl fumarate in multiple sclerosis - a pilot trial.**Multiple sclerosis journal - experimental, translational and clinical** , Volume: 5 Issue: 4 2019 Oct-Dec

Authors Storm-Larsen C, Myhr KM, Farbu E, Midgard R, Nyquist K, Broch L, Berg-Hansen P, Buess A, Holm K, Ueland T, Fallang LE, Burum-Auensen E, Hov JR, Holmøy T

Changes in human gut microbiota composition are linked to the energy metabolic switch during 10 d of Buchinger fasting.**Journal of nutritional science** , Volume: 8 2019

Authors Mesnage R, Grundle F, Schwietz A, Le Maho Y, Wilhelmi de Toledo F

Dietary *Saccharomyces cerevisiae* boulardii CNCM I-1079 Positively Affects Performance and Intestinal Ecosystem in Broilers during a *Campylobacter jejuni* Infection.**Microorganisms** , Volume: 7 Issue: 12 2019 Nov 21

Authors Massacci FR, Lovito C, Tofani S, Tentellini M, Genovese DA, De Leo AAP, Papa P, Magistrali CF, Manuali E, Trabalza-Marinucci M, Moscati L, Forte C

Apple polysaccharide could promote the growth of *Bifidobacterium longum*.**International journal of biological macromolecules** , Volume: 152 2020 Jun 1

Authors Li Y, Wang S, Sun Y, Zheng H, Tang Y, Gao X, Song C, Liu J, Long Y, Liu L, Mei Q

Improvements in Metabolic Syndrome by Xanthohumol Derivatives Are Linked to Altered Gut Microbiota and Bile Acid Metabolism.**Molecular nutrition & food research** , Volume: 64 Issue: 1 2020 Jan

Authors Zhang Y, Bobe G, Revel JS, Rodrigues RR, Sharpton TJ, Fantacone ML, Raslan K, Miranda CL, Lowry MB, Blakemore PR, Morgun A, Shulzhenko N, Maier CS, Stevens JF, Gombart AF

Structural Analysis of Gluco-Oligosaccharides Produced by *Leuconostoc lactis* and Their Prebiotic Effect.**Molecules (Basel, Switzerland)** , Volume: 24 Issue: 21 2019 Nov 5

Authors Lee S, Park J, Jang JK, Lee BH, Park YS

Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota.**Nutrients** , Volume: 11 Issue: 11 2019 Nov 3

Authors Gomes A, Oudot C, Macià A, Foito A, Carregosa D, Stewart D, Van de Wiele T, Berry D, Motilva MJ, Brenner C, Dos Santos CN

Japanese Diet Score Is Associated with Gut Microbiota Composition in Young Japanese Adults.**Journal of nutritional science and vitaminology** , Volume: 65 Issue: 5 2019

Authors Seura T, Fukuwatari T

Urolithin Metabotypes Can Determine the Modulation of Gut Microbiota in Healthy Individuals by Tracking Walnuts Consumption over Three Days.**Nutrients** , Volume: 11 Issue: 10 2019 Oct 16

Authors García-Mantrana I, Calatayud M, Romo-Vaquero M, Espín JC, Selma MV, Collado MC

Chitooligosaccharides Prevents the Development of Colitis-Associated Colorectal Cancer by Modulating the Intestinal Microbiota and Mycobiota.**Frontiers in microbiology** , Volume: 10 2019

Authors Wu M, Li J, An Y, Li P, Xiong W, Li J, Yan D, Wang M, Zhong G

Physiological and Biochemical Effects of Intrinsically High and Low Exercise Capacities Through Multiomics Approaches.**Frontiers in physiology** , Volume: 10 2019

Authors Tung YT, Hsu YJ, Liao CC, Ho ST, Huang CC, Huang WC

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.**European journal of nutrition** , 2019 Oct 11

Authors Hess AL, Benítez-Páez A, Blädel T, Larsen LH, Iglesias JR, Madera C, Sanz Y, Larsen TM, MyNewGut Consortium.

Intestinal microbiome analysis demonstrates azithromycin post-treatment effects improve when combined with lactulose.**World journal of pediatrics : WJP** , Volume: 16 Issue: 2 2020 Apr

Authors Nikolaou E, Kamilari E, Savkov D, Sergeev A, Zakharova I, Vogazianos P, Tomazou M, Antoniadis A, Shammass C

Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.**NPJ biofilms and microbiomes** , Volume: 5 2019

Authors La Carpiá F, Wojczyk BS, Annavajhala MK, Rebbaa A, Culp-Hill R, D`Alessandro A, Freedberg DE, Uhlemann AC, Hod EA

Effects of grape pomace and seed polyphenol extracts on the recovery of gut microbiota after antibiotic treatment in high-fat diet-fed mice.**Food science & nutrition** , Volume: 7 Issue: 9 2019 Sep

Authors Lu F, Liu F, Zhou Q, Hu X, Zhang Y

Fish Oil, but Not Olive Oil, Ameliorates Depressive-Like Behavior and Gut Microbiota Dysbiosis in Rats under Chronic Mild Stress.

Biomolecules , Volume: 9 Issue: 10 2019 Sep 21

Authors Tung TH,Tung YT,Lin IH,Shih CK,Nguyen NTK,Shabrina A,Huang SY

Propolis modulates the gut microbiota and improves the intestinal mucosal barrier function in diabetic rats.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 118 2019 Oct

Authors Xue M,Liu Y,Xu H,Zhou Z,Ma Y,Sun T,Liu M,Zhang H,Liang H

Comparison of antifungal activity of essential oils from different plants against three fungi.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 134 2019 Dec

Authors Hu F,Tu XF,Thakur K,Hu F,Li XL,Zhang YS,Zhang JG,Wei ZJ

Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.

Scientific reports , Volume: 9 Issue: 1 2019 Sep 16

Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M

Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad

Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial.

The Journal of nutrition , 2019 Aug 28

Authors Christensen L,Vuholm S,Roager HM,Nielsen DS,Krych L,Kristensen M,Astrup A,Hjorth MF

Effects of Lactobacillus plantarum on the intestinal morphology, intestinal barrier function and microbiota composition of suckling piglets.

Journal of animal physiology and animal nutrition , 2019 Sep 9

Authors Wang Q,Sun Q,Qi R,Wang J,Qiu X,Liu Z,Huang J

Wheat Gluten Regulates Cholesterol Metabolism by Modulating Gut Microbiota in Hamsters with Hyperlipidemia.

Journal of oleo science , Volume: 68 Issue: 9 2019

Authors Liang TT,Tong LT,Geng DH,Wang LL,Zhou XR,Pu HY,Jia W,Wu QP,Huang JR

Immunomodulatory Effects of Lactobacillus plantarum on Inflammatory Response Induced by Klebsiella pneumoniae.

Infection and immunity , Volume: 87 Issue: 11 2019 Nov

Authors Vareille-Delarbre M,Miquel S,Garcin S,Bertran T,Balestrino D,Evrard B,Forestier C

Raw Bowl Tea (Tuocha) Polyphenol Prevention of Nonalcoholic Fatty Liver Disease by Regulating Intestinal Function in Mice.

Biomolecules , Volume: 9 Issue: 9 2019 Sep 1

Authors Liu B,Zhang J,Sun P,Yi R,Han X,Zhao X

Inhibition of Escherichia coli adhesion to human intestinal Caco-2?cells by probiotic candidate Lactobacillus plantarum strain L15.

Microbial pathogenesis , Volume: 136 2019 Nov

Authors Alizadeh Behbahani B,Noshad M,Falah F

Rebalancing of the gut flora and microbial metabolism is responsible for the anti-arthritis effect of kaempferol.

Acta pharmacologica Sinica , Volume: 41 Issue: 1 2020 Jan

Authors Aa LX,Fei F,Qi Q,Sun RB,Gu SH,Di ZZ,Aa JY,Wang GJ,Liu CX

Exercise Training Modulates Gut Microbiota Profile and Improves Endotoxemia.

Medicine and science in sports and exercise , Volume: 52 Issue: 1 2020 Jan

Authors Motiani KK,Collado MC,Eskelinen JJ,Virtanen KA,Löyttyniemi E,Salminen S,Nuutila P,Kalliokoski KK,Hannukainen JC

Immunomodulatory and Prebiotic Effects of 2`-Fucosyllactose in Suckling Rats.

Frontiers in immunology , Volume: 10 2019

Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van`t Land B,Tims S,Stahl B,Garssen J,Franch

À,Castell M,Rodríguez-Lagunas MU,Pérez-Cano FJ

Effects of Olive Oil and Its Minor Components on Cardiovascular Diseases, Inflammation, and Gut Microbiota.

Nutrients , Volume: 11 Issue: 8 2019 Aug 7

Authors Marcelino G,Hiane PA,Freitas KC,Santana LF,Pott A,Donadon JR,Guimarães RCA

Green tea polyphenol (epigallocatechin-3-gallate) improves gut dysbiosis and serum bile acids dysregulation in high-fat diet-fed mice.

Journal of clinical biochemistry and nutrition , Volume: 65 Issue: 1 2019 Jul

Authors Ushiroda C,Naito Y,Takagi T,Uchiyama K,Mizushima K,Higashimura Y,Yasukawa Z,Okubo T,Inoue R,Honda A,Matsuzaki Y,Itoh Y

Synbiotic-like effect of linoleic acid overproducing Lactobacillus casei with berry phenolic extracts against pathogenesis of enterohemorrhagic Escherichia coli.

Gut pathogens , Volume: 11 2019

Authors Tabashsum Z,Peng M,Bernhardt C,Patel P,Carrion M,Biswas D

Effect of Bay Leaves Essential Oil Concentration on the Properties of Biodegradable Carboxymethyl Cellulose-Based Edible

Films.**Materials (Basel, Switzerland) , Volume: 12 Issue: 15 2019 Jul 24**

Authors Rincón E,Serrano L,Balu AM,Aguilar JJ,Luque R,García A

[Improvement of non-invasive markers of NAFLD from an individualised, web-based exercise program.](#)**Alimentary pharmacology & therapeutics , Volume: 50 Issue: 8 2019 Oct**

Authors Huber Y,Pfirrman D,Gebhardt I,Labenz C,Gehrke N,Straub BK,Ruckes C,Bantel H,Belda E,Clément K,Leeming DJ,Karsdal MA,Galle PR,Simon P,Schattenberg JM

[Dietary Factors and Modulation of Bacteria Strains of *Akkermansia muciniphila* and *Faecalibacterium prausnitzii*: A Systematic Review.](#)**Nutrients , Volume: 11 Issue: 7 2019 Jul 11**

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

[Daily intake of wheat germ-enriched bread may promote a healthy gut bacterial microbiota: a randomised controlled trial.](#)**European journal of nutrition , Volume: 59 Issue: 5 2020 Aug**

Authors Moreira-Rosário A,Marques C,Pinheiro H,Norberto S,Sintra D,Teixeira JA,Calhau C,Azevedo LF

[Effect of Synbiotic Supplementation in a Very-Low-Calorie Ketogenic Diet on Weight Loss Achievement and Gut Microbiota: A Randomized Controlled Pilot Study.](#)**Molecular nutrition & food research , 2019 Jul 12**

Authors Gutiérrez-Repiso C,Hernández-García C,García-Almeida JM,Bellido D,Martín-Núñez GM,Sánchez-Alcoholado L,Alcaide-Torres J,Sajoux I,Tinahones F,Moreno-Indias I

[A Purified Anthraquinone-Glycoside Preparation From Rhubarb Ameliorates Type 2 Diabetes Mellitus by Modulating the Gut Microbiota and Reducing Inflammation.](#)**Frontiers in microbiology , Volume: 10 2019**

Authors Cui HX,Zhang LS,Luo Y,Yuan K,Huang ZY,Guo Y

[Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.](#)**PloS one , Volume: 14 Issue: 7 2019**

Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgreen B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI

[Additional Effect of Dietary Fiber in Patients with Type 2 Diabetes Mellitus Using Metformin and Sulfonyleurea: An Open-Label, Pilot Trial.](#)**Diabetes & metabolism journal , 2019 Apr 23**

Authors Lee SE,Choi Y,Jun JE,Lee YB,Jin SM,Hur KY,Ko GP,Lee MK

[Walnuts and Vegetable Oils Differentially Affect the Gut Microbiome and Associations with Cardiovascular Risk Factors \(OR29-06-19\).](#)**Current developments in nutrition , Volume: 3 Issue: Suppl 1 2019 Jun**

Authors Tindall A,McLimans C,Petersen K,Kris-Etherton P,Lamendella R

[Dietary supplementation with probiotics regulates gut microbiota structure and function in Nile tilapia exposed to aluminum.](#)**PeerJ , Volume: 7 2019**

Authors Yu L,Qiao N,Li T,Yu R,Zhai Q,Tian F,Zhao J,Zhang H,Chen W

[Effects of a formula with a probiotic Bifidobacterium lactis Supplement on the gut microbiota of low birth weight infants.](#)**European journal of nutrition , Volume: 59 Issue: 4 2020 Jun**

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

[*Bacteroides thetaiotaomicron* Starch Utilization Promotes Quercetin Degradation and Butyrate Production by *Eubacterium ramulus*.](#)**Frontiers in microbiology , Volume: 10 2019**

Authors Rodríguez-Castaño GP,Dorris MR,Liu X,Bolling BW,Acosta-Gonzalez A,Rey FE

[Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.](#)**Clinical nutrition (Edinburgh, Scotland) , 2019 May 30**

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

[Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in *Citrobacter rodentium*-Infected Mice.](#)**Frontiers in microbiology , Volume: 10 2019**

Authors Lin R,Piao M,Song Y

[Preventive Effects and Mechanisms of Garlic on Dyslipidemia and Gut Microbiome Dysbiosis.](#)**Nutrients , Volume: 11 Issue: 6 2019 May 29**

Authors Chen K,Xie K,Liu Z,Nakasone Y,Sakao K,Hossain A,Hou DX

[Effects of a Lactulose-Rich Diet on Fecal Microbiome and Metabolome in Pregnant Mice.](#)

Journal of agricultural and food chemistry , Volume: 67 Issue: 27 2019 Jul 10

Authors Zhang Z,Chen X,Zhao J,Tian C,Wei X,Li H,Lin W,Jiang A,Feng R,Yuan J,Zhao X

[Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.](#)

Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10

Authors Sakai Y,Seki N,Hamano K,Ochi H,Abe F,Masuda K,Iino H

[Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.](#)

Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10

Authors Sakai Y,Seki N,Hamano K,Ochi H,Abe F,Masuda K,Iino H

[The role of short-chain fatty acids in microbiota-gut-brain communication.](#)

Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug

Authors Dalile B, Van Oudenhove L, Vervliet B, Verbeke K

[Fermented *Momordica charantia* L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.](#)

Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul

Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY

[Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.](#)

The American journal of clinical nutrition , Volume: 109 Issue: 6 2019 Jun 1

Authors Hiel S, Bindels LB, Pachikian BD, Kalala G, Broers V, Zamariola G, Chang BPI, Kambashi B, Rodríguez J, Cani PD, Neyrinck AM, Thissen JP, Luminet O, Bindelle J, Delzenne NM

[A study of the prebiotic effect of lactulose at low dosages in healthy Japanese women.](#)

Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019

Authors Sakai Y,Seki N,Hamano H,Ochi H,Abe F,Shimizu F,Masuda K,Iino H

[High-fat diet reduces the level of secretory immunoglobulin A coating of commensal gut microbiota.](#)

Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019

Authors Muhomah TA, Nishino N, Katsumata E, Haoming W, Tsuruta T

[Alleviation of low-fiber diet-induced constipation by probiotic *Bifidobacterium bifidum* G9-1 is based on correction of gut microbiota dysbiosis.](#)

Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019

Authors Makizaki Y, Maeda A, Oikawa Y, Tamura S, Tanaka Y, Nakajima S, Yamamura H

[Microbial and Functional Profile of the Ceca from Laying Hens Affected by Feeding Prebiotics, Probiotics, and Synbiotics.](#)

Microorganisms , Volume: 7 Issue: 5 2019 May 6

Authors Pineda-Quiroga C, Borda-Molina D, Chaves-Moreno D, Ruiz R, Atxaerandio R, Camarinha-Silva A, García-Rodríguez A

[Four men in a boat: Ultra-endurance exercise alters the gut microbiome.](#)

Journal of science and medicine in sport , Volume: 22 Issue: 9 2019 Sep

Authors Keohane DM, Woods T, O'Connor P, Underwood S, Cronin O, Whiston R, O'Sullivan O, Cotter P, Shanahan F, Molloy MGM

[Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.](#)

The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1

Authors Partula V, Mondot S, Torres MJ, Kesse-Guyot E, Deschasaux M, Assmann K, Latino-Martel P, Buscail C, Julia C, Galan P, Hercberg S, Rouilly V, Thomas S, Quintana-Murci L, Albert ML, Duffy D, Lantz O, Touvier M, Milieu Intérieur Consortium

[Orally administered *Lactobacillus casei* exhibited several probiotic properties in artificially suckling rabbits.](#)

Asian-Australasian journal of animal sciences , Volume: 33 Issue: 8 2020 Aug 1

Authors Shen XM, Cui HX, Xu XR

[In vitro modulation of human gut microbiota composition and metabolites by *Bifidobacterium longum* BB-46 and a citric pectin.](#)

Food research international (Ottawa, Ont.) , Volume: 120 2019 Jun

Authors Bianchi F, Larsen N, Tieghi TM, Adorno MAT, Saad SMI, Jespersen L, Sivieri K

[The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.](#)

Frontiers in nutrition , Volume: 6 2019

Authors Jefferson A, Adolphus K

[Apple consumption is associated with a distinctive microbiota, proteomics and metabolomics profile in the gut of Dawley Sprague rats fed a high-fat diet.](#)

PloS one , Volume: 14 Issue: 3 2019

Authors Garcia-Mazcorro JF, Pedreschi R, Yuan J, Kawas JR, Chew B, Dowd SE, Noratto G

[Targeting the Gut Microbiota to Investigate the Mechanism of Lactulose in Negating the Effects of a High-Salt Diet on Hypertension.](#)

Molecular nutrition & food research , Volume: 63 Issue: 11 2019 Jun

Authors Zhang Z,Zhao J,Tian C,Chen X,Li H,Wei X,Lin W,Zheng N,Jiang A,Feng R,Yuan J,Zhao X

Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.

Journal of agricultural and food chemistry , Volume: 67 Issue: 33 2019 Aug 21

Authors Han Y,Song M,Gu M,Ren D,Zhu X,Cao X,Li F,Wang W,Cai X,Yuan B,Goulette T,Zhang G,Xiao H

A rOPY exopolysaccharide producing strain Bifidobacterium longum subsp. longum YS108R alleviates DSS-induced colitis by maintenance of the mucosal barrier and gut microbiota modulation.

Food & function , Volume: 10 Issue: 3 2019 Mar 20

Authors Yan S,Yang B ,Zhao J ,Zhao J ,Stanton C ,Ross RP ,Zhang H ,Chen W

Dietary supplementation with strawberry induces marked changes in the composition and functional potential of the gut microbiome in diabetic mice.

The Journal of nutritional biochemistry , Volume: 66 2019 Apr

Authors Petersen C,Wankhade UD,Bharat D,Wong K,Mueller JE,Chintapalli SV,Piccolo BD,Jalili T,Jia Z,Symons JD,Shankar K,Anandh Babu PV

Effects of Sweeteners on the Gut Microbiota: A Review of Experimental Studies and Clinical Trials.

Advances in nutrition (Bethesda, Md.) , Volume: 10 Issue: suppl_1 2019 Jan 1

Authors Ruiz-Ojeda FJ,Plaza-Díaz J,Sáez-Lara MJ,Gil A

Metformin and gut microbiota: their interactions and their impact on diabetes.

Hormones (Athens, Greece) , 2019 Feb 4

Authors Vallianou NG,Stratigou T,Tsagarakis S

Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.

PeerJ , Volume: 7 2019

Authors De Paepe K,Verspreet J,Rezaei MN,Hidalgo Martinez S,Meysman F, Van de Walle D,Dewettinck K,Raes J,Courtin C, Van de Wiele T

Functional Interactions between Gut Microbiota Transplantation, Quercetin, and High-Fat Diet Determine Non-Alcoholic Fatty Liver Disease Development in Germ-Free Mice.

Molecular nutrition & food research , Volume: 63 Issue: 8 2019 Apr

Authors Porras D,Nistal E,Martínez-Flórez S,Olcoz JL,Jover R,Jorquera F,González-Gallego J,García-Mediavilla MV,Sánchez-Campos S

Differential Effects of *Lactobacillus casei* Strain Shirota on Patients With Constipation Regarding Stool Consistency in China.

Journal of neurogastroenterology and motility , Volume: 25 Issue: 1 2019 Jan 31

Authors Chen S,Ou Y,Zhao L,Li Y,Qiao Z,Hao Y,Ren F

Effect of *Saccharomyces boulardii* and *Bacillus subtilis* B10 on gut microbiota modulation in broilers.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 4 Issue: 4 2018 Dec

Authors Qin C,Gong L,Zhang X,Wang Y,Wang Y,Wang B,Li Y,Li W

Effects of short-term endurance exercise on gut microbiota in elderly men.

Physiological reports , Volume: 6 Issue: 23 2018 Dec

Authors Taniguchi H,Tanisawa K,Sun X,Kubo T,Hoshino Y,Hosokawa M,Takeyama H,Higuchi M

Antimicrobial, anti-adhesive and anti-biofilm potential of biosurfactants isolated from *Pediococcus acidilactici* and *Lactobacillus plantarum* against *Staphylococcus aureus* CMCC26003.

Microbial pathogenesis , Volume: 127 2019 Feb

Authors Yan X,Gu S,Cui X,Shi Y,Wen S,Chen H,Ge J

Arabinoxylan from Argentinian whole wheat flour promote the growth of *Lactobacillus reuteri* and *Bifidobacterium breve*.

Letters in applied microbiology , Volume: 68 Issue: 2 2019 Feb

Authors Paesani C,Salvucci E,Moiraghi M,Fernandez Canigia L,Pérez GT

Linoleic Acids Overproducing *Lactobacillus casei* Limits Growth, Survival, and Virulence of *Salmonella Typhimurium* and Enterohaemorrhagic *Escherichia coli*.

Frontiers in microbiology , Volume: 9 2018

Authors Peng M,Tabashsum Z,Patel P,Bernhardt C,Biswas D

Identification of factors involved in *Enterococcus faecalis* biofilm under quercetin stress.

Microbial pathogenesis , Volume: 126 2019 Jan

Authors Qayyum S,Sharma D,Bisht D,Khan AU

Strategies to promote abundance of *Akkermansia muciniphila*, an emerging probiotics in the gut, evidence from dietary intervention studies.

Journal of functional foods , Volume: 33 2017 Jun

Authors Zhou K

Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development.

Anaerobe , Volume: 55 2019 Feb

Authors Velikonja A,Lipoglavšek L,Zorec M,Orel R,Avguštin G

Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.

Gut microbes , 2018 Nov 5

Authors Valcheva R,Koleva P,Martínez I,Walter J,Gänzle MG,Dieleman LA

Prevalence and Antimicrobial Susceptibility of Bacterial Uropathogens Isolated from Pediatric Patients at Yekatit 12 Hospital Medical College, Addis Ababa, Ethiopia.

International journal of microbiology , Volume: 2018 2018

Authors Merga Duffa Y,Terfa Kitila K,Mamuye Gebretsadik D,Bitew A

Determination of Antimicrobial Activity of Some Commercial Fruit (Apple, Papaya, Lemon and Strawberry) Against Bacteria Causing Urinary Tract Infection.

European journal of microbiology & immunology , Volume: 8 Issue: 3 2018 Sep 28

Authors Liya SJ,Siddique R

Six-Week Endurance Exercise Alters Gut Metagenome That Is not Reflected in Systemic Metabolism in Over-weight Women.

Frontiers in microbiology , Volume: 9 2018

Authors Munukka E,Ahtiainen JP,Puigbó P,Jalkanen S,Pahkala K,Keskitalo A,Kujala UM,Pietilä S,Holmén M,Elo L,Huovinen P,D'Auria G,Pekkala S

An exploratory study on the effect of daily fruits and vegetable juice on human gut microbiota.

Food science and biotechnology , Volume: 27 Issue: 5 2018 Oct

Authors Choi YJ, Lee DH, Kim HS, Kim YK

Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.

Natural product research , 2018 Oct 13

Authors Condò C,Anacarlo I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P

Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased *Akkermansia muciniphila* Population Modulated by Dietary Black Raspberries.

ACS omega , Volume: 3 Issue: 9 2018 Sep 30

Authors Tu P,Bian X,Chi L,Gao B,Ru H,Knobloch TJ,Weghorst CM,Lu K

The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease.

The Journal of pharmacology and experimental therapeutics , Volume: 367 Issue: 3 2018 Dec

Authors Lau WL,Vaziri ND,Nunes ACF,Comeau AM,Langille MG,England W,Khazaeli M,Suematsu Y,Phan J,Whiteson K

Anti-inflammatory effects of Kaempferol on Helicobacter pylori-induced inflammation.

Bioscience, biotechnology, and biochemistry , Volume: 83 Issue: 1 2019 Jan

Authors Yeon MJ, Lee MH, Kim DH, Yang JY, Woo HJ, Kwon HJ, Moon C, Kim SH, Kim JB

Effects of daily consumption of the probiotic Bifidobacterium animalis subsp. lactis CECT 8145 on anthropometric adiposity biomarkers in abdominally obese subjects: a randomized controlled trial.

International journal of obesity (2005) , 2018 Sep 27

Authors Pedret A,Valls RM,Calderón-Pérez L,Llauradó E,Comanys J,Pla-Pagà L,Moragas A,Martín-Luján F,Ortega Y,Giralt M,Caimari A,Chenoll E,Genovés S,Martorell P,Codoñer FM,Ramón D,Arola L,Solà R

Behavioral response to fiber feeding is cohort-dependent and associated with gut microbiota composition in mice.

Behavioural brain research , Volume: 359 2019 Feb 1

Authors Mailing LJ,Allen JM,Pence BD,Rytych J,Sun Y,Bhattacharya TK,Park P,Cross TL,McCusker RH,Swanson KS,Fahey GC,Rhodes JS,Kelley KW,Johnson RW,Woods JA

Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.

Molecular nutrition & food research , Volume: 62 Issue: 22 2018 Nov

Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ

Probiotic *Lactobacillus plantarum* Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Wang J, Ji H, Wang S, Liu H, Zhang W, Zhang D, Wang Y

Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.

Archives of animal nutrition , Volume: 72 Issue: 6 2018 Dec

Authors Li B,Schroyen M,Leblais J,Wavreille J,Soyeurt H,Bindelle J,Everaert N

Investigating of Moringa Oleifera Role on Gut Microbiota Composition and Inflammation Associated with Obesity Following High Fat Diet Feeding.

Open access Macedonian journal of medical sciences , Volume: 6 Issue: 8 2018 Aug 20

Authors Elabd EMY,Morsy SM,Elmalt HA

[Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.](#)

Environmental microbiology , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM,Van de Wiele T

[Modulation of gut microbiota from obese individuals by in vitro fermentation of citrus pectin in combination with Bifidobacterium longum BB-46.](#)

Applied microbiology and biotechnology , Volume: 102 Issue: 20 2018 Oct

Authors Bianchi F,Larsen N,de Mello Tieghi T,Adorno MAT,Kot W,Saad SMI,Jespersen L,Sivieri K

[Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.](#)

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Mayta-Apaza AC,Pottgen E,De Bodt J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SO,Carbonero F

[A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.](#)

Applied and environmental microbiology , Volume: 84 Issue: 19 2018 Oct 1

Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R

[Barley Products of Different Fiber Composition Selectively Change Microbiota Composition in Rats.](#)

Molecular nutrition & food research , Volume: 62 Issue: 19 2018 Oct

Authors Teixeira C,Prykhodko O,Alminger M,Fåk Hållénus F,Nyman M

[Lactobacillus plantarum LC27 and Bifidobacterium longum LC67 mitigate alcoholic steatosis in mice by inhibiting LPS-mediated NF- \$\kappa\$ B activation through restoration of the disturbed gut microbiota.](#)

Food & function , Volume: 9 Issue: 8 2018 Aug 15

Authors Kim WG,Kim HI,Kwon EK,Han MJ,Kim DH

[Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.](#)

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK

[Metformin Alters Gut Microbiota of Healthy Mice: Implication for Its Potential Role in Gut Microbiota Homeostasis.](#)

Frontiers in microbiology , Volume: 9 2018

Authors Ma W,Chen J,Meng Y,Yang J,Cui Q,Zhou Y

[Pectin Alleviates High Fat \(Lard\) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.](#)

Journal of agricultural and food chemistry , 2018 Jul 20

Authors Li W,Zhang K,Yang H

[Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections.](#)

Molecules (Basel, Switzerland) , Volume: 23 Issue: 7 2018 Jul 9

Authors Ebani VV,Nardoni S,Bertelloni F,Pistelli L,Mancianti F

[Effects of garlic polysaccharide on alcoholic liver fibrosis and intestinal microflora in mice.](#)

Pharmaceutical biology , Volume: 56 Issue: 1 2018 Dec

Authors Wang Y,Guan M,Zhao X,Li X

[Maternal Soluble Fiber Diet during Pregnancy Changes the Intestinal Microbiota, Improves Growth Performance, and Reduces Intestinal Permeability in Piglets.](#)

Applied and environmental microbiology , Volume: 84 Issue: 17 2018 Sep 1

Authors Cheng C,Wei H,Xu C,Xie X,Jiang S,Peng J

[Composition and metabolism of fecal microbiota from normal and overweight children are differentially affected by melibiose, raffinose and raffinose-derived fructans.](#)

Anaerobe , Volume: 52 2018 Aug

Authors Adamberg K,Adamberg S,Ernits K,Larionova A,Voor T,Jaagura M,Visnapuu T,Alamäe T

[Gut Microbiome Composition in Non-human Primates Consuming a Western or Mediterranean Diet.](#)

Frontiers in nutrition , Volume: 5 2018

Authors Nagpal R,Shively CA,Appt SA,Register TC,Michalson KT,Vitolins MZ,Yadav H

[Anti-inflammatory and antibacterial evaluation of Thymus sipyleus Boiss. subsp. sipyleus var. sipyleus essential oil against rhinosinusitis pathogens.](#)

Microbial pathogenesis , Volume: 122 2018 Sep

Authors Demirci F,Karaca N,Tekin M,Demirci B

[Obesity treatment by epigallocatechin-3-gallate-regulated bile acid signaling and its enriched Akkermansia muciniphila.](#)

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 32 Issue: 12 2018 Jun 8

Authors Sheng L,Jena PK,Liu HX,Hu Y,Nagar N,Bronner DN,Settles ML,Bäumler AJ,Wan YY

[Intermittent Fasting Confers Protection in CNS Autoimmunity by Altering the Gut Microbiota.](#)

Cell metabolism , Volume: 27 Issue: 6 2018 Jun 5

Authors Cignarella F,Cantoni C,Ghezzi L,Salter A,Dorsett Y,Chen L,Phillips D,Weinstock GM,Fontana L,Cross AH,Zhou Y,Piccio L

Identification of Phenolic Compounds-Rich Grape Pomace Extracts Urine Metabolites and Correlation with Gut Microbiota Modulation.

Antioxidants (Basel, Switzerland) , Volume: 7 Issue: 6 2018 Jun 4

Authors Chacar S,Tarighi M,Fares N,Faivre JF,Louka N,Maroun RG

Phenolic contents, antimicrobial and antioxidant activity of Olea ferruginea Royle (Oleaceae).

BMC complementary and alternative medicine , Volume: 18 Issue: 1 2018 Jun 5

Authors Mehmood A,Murtaza G

Effects of Whole-Grain Rice and Wheat on Composition of Gut Microbiota and Short-Chain Fatty Acids in Rats.

Journal of agricultural and food chemistry , 2018 May 29

Authors Han F,Wang Y,Han Y,Zhao J,Han F,Song G,Jiang P,Miao H

Antagonistic effect of isolated probiotic bacteria from natural sources against intestinal Escherichia coli pathotypes.

Electronic physician , Volume: 10 Issue: 3 2018 Mar

Authors Karimi S,Rashidian E,Birjandi M,Mahmoodnia L

Dietary fiber intervention on gut microbiota composition in healthy adults: a systematic review and meta-analysis.

The American journal of clinical nutrition , Volume: 107 Issue: 6 2018 Jun 1

Authors So D,Whelan K,Rossi M,Morrison M,Holtmann G,Kelly JT,Shanahan ER,Staudacher HM,Campbell KL

Green Tea Liquid Consumption Alters the Human Intestinal and Oral Microbiome.

Molecular nutrition & food research , Volume: 62 Issue: 12 2018 Jun

Authors Yuan X,Long Y,Ji Z,Gao J,Fu T,Yan M,Zhang L,Su H,Zhang W,Wen X,Pu Z,Chen H,Wang Y,Gu X,Yan B,Kaliannan K,Shao Z

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.

Food & function , Volume: 9 Issue: 5 2018 May 23

Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X

Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.

Nutrients , Volume: 10 Issue: 5 2018 May 8

Authors Klimenko NS,Tyakht AV,Popenko AS,Vasiliev AS,Altukhov IA,Ischenko DS,Shashkova TI,Efimova DA,Nikogosov

DA,Osipenko DA,Musienko SV,Selezneva KS,Baranova A,Kurilshikov AM,Toshchakov SM,Korzhnikov AA,Samarov

NI,Shevchenko MA,Tepluk AV,Alexeev DG

Response of Gut Microbiota to Metabolite Changes Induced by Endurance Exercise.

Frontiers in microbiology , Volume: 9 2018

Authors Zhao X,Zhang Z,Hu B,Huang W,Yuan C,Zou L

Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial.

The Journal of nutrition , Volume: 148 Issue: 6 2018 Jun 1

Authors Holscher HD,Guetterman HM,Swanson KS,An R,Matthan NR,Lichtenstein AH,Novotny JA,Baer DJ

Screening and characterization of selected drugs having antibacterial potential.

Pakistan journal of pharmaceutical sciences , Volume: 31 Issue: 3 2018 May

Authors Javed H,Tabassum S,Erum S,Murtaza I,Muhammad A,Amin F,Nisar MF

Ketogenic diet enhances neurovascular function with altered gut microbiome in young healthy mice.

Scientific reports , Volume: 8 Issue: 1 2018 Apr 27

Authors Ma D,Wang AC,Parikh I,Green SJ,Hoffman JD,Chlipala G,Murphy MP,Sokola BS,Bauer B,Hartz AMS,Lin AL

Feasibility of a Lactobacillus casei Drink in the Intensive Care Unit for Prevention of Antibiotic Associated Diarrhea and Clostridium difficile.

Nutrients , Volume: 10 Issue: 5 2018 Apr 26

Authors Alberda C,Marcushamer S,Hewer T,Journault N,Kutsogjannis D

Modifications in gut microbiota and fermentation metabolites in the hindgut of rats after the consumption of galactooligosaccharide glycated with a fish peptide.

Food & function , Volume: 9 Issue: 5 2018 May 1

Authors Jin W,Han K,Dong S,Yang Y,Mao Z,Su M,Zeng M

Peptides from Chia Present Antibacterial Activity and Inhibit Cholesterol Synthesis.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 73 Issue: 2 2018 Jun

Authors Coelho MS,Soares-Freitas RAM,Arêas JAG,Gandra EA,Salas-Mellado MLM

The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.

Molecular nutrition & food research , 2018 Apr 17

Authors González-Sarriás A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC

Metformin: old friend, new ways of action-implication of the gut microbiome?

Current opinion in clinical nutrition and metabolic care , Volume: 21 Issue: 4 2018 Jul

Authors Rodríguez J,Hiel S,Delzenne NM

Evaluation of the nutrition and function of cow and goat milk based on intestinal microbiota by metagenomic analysis.

Food & function , Volume: 9 Issue: 4 2018 Apr 25

Authors Wang Z ,Jiang S ,Ma C ,Huo D ,Peng Q ,Shao Y ,Zhang J

Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57BL/6J mice.

MicrobiologyOpen , Volume: 7 Issue: 6 2018 Dec

Authors Zhai S,Zhu L,Qin S,Li L

Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.

Journal of applied microbiology , Volume: 125 Issue: 1 2018 Jul

Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K

Grape proanthocyanidin-induced intestinal bloom of Akkermansia muciniphila is dependent on its baseline abundance and precedes activation of host genes related to metabolic health.

The Journal of nutritional biochemistry , Volume: 56 2018 Jun

Authors Zhang L,Carmody RN,Kalariya HM,Duran RM,Moskal K,Poulev A,Kuhn P,Tveter KM,Turnbaugh PJ,Raskin I,Roopchand DE

Oral supplementation of Bifidobacterium longum strain BR-108 alters cecal microbiota by stimulating gut immune system in mice irrespectively of viability.

Bioscience, biotechnology, and biochemistry , Volume: 82 Issue: 7 2018 Jul

Authors Makioka Y,Tsukahara T,Ijichi T,Inoue R

Extensive impact of non-antibiotic drugs on human gut bacteria.

Nature , Volume: 555 Issue: 7698 2018 Mar 29

Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A

Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.

Nutrition & diabetes , Volume: 8 Issue: 1 2018 Mar 7

Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM

Adverse effect of early-life high-fat/high-carbohydrate ("Western") diet on bacterial community in the distal bowel of mice.

Nutrition research (New York, N.Y.) , Volume: 50 2018 Feb

Authors Villamil SI,Huerlimann R,Morianos C,Sarnyai Z,Maes GE

Whole Tibetan Hull-Less Barley Exhibit Stronger Effect on Promoting Growth of Genus Bifidobacterium than Refined Barley In Vitro.

Journal of food science , Volume: 83 Issue: 4 2018 Apr

Authors Gong L,Cao W,Gao J,Wang J,Zhang H,Sun B,Yin M

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

PeerJ , Volume: 6 2018

Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X

Enhancing syntrophic associations among Clostridium butyricum, Syntrophomonas and two types of methanogen by zero valent iron in an anaerobic assay with a high organic loading.

Bioresource technology , Volume: 257 2018 Jun

Authors Kong X,Yu S,Fang W,Liu J,Li H

Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation.

Applied and environmental microbiology , Volume: 84 Issue: 9 2018 May 1

Authors Rivière A,Selak M,Geirnaert A,Van den Abbeele P,De Vuyst L

A Walnut-Enriched Diet Affects Gut Microbiome in Healthy Caucasian Subjects: A Randomized, Controlled Trial.

Nutrients , Volume: 10 Issue: 2 2018 Feb 22

Authors Bamberger C,Rossmeier A,Lechner K,Wu L,Waldmann E,Fischer S,Stark RG,Altenhofer J,Henze K,Parhofer KG

Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.

Food & function , Volume: 9 Issue: 3 2018 Mar 1

Authors Zartl B,Silberbauer K,Loeppert R,Viernstein H,Praznik W,Mueller M

Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.

Food & function , 2018 Feb 21

Authors Cheng W,Lu J,Lin W,Wei X,Li H,Zhao X,Jiang A,Yuan J

Inhibition of Oral Pathogens Adhesion to Human Gingival Fibroblasts by Wine Polyphenols Alone and in Combination with

an Oral Probiotic.

Journal of agricultural and food chemistry , Volume: 66 Issue: 9 2018 Mar 7

Authors Esteban-Fernández A,Zorraquín-Peña I,Ferrer MD,Mira A,Bartolomé B,González de Llano D,Moreno-Arribas MV

Long-term treatment with green tea polyphenols modifies the gut microbiome of female sprague-dawley rats.

The Journal of nutritional biochemistry , Volume: 56 2018 Jun

Authors Wang J,Tang L,Zhou H,Zhou J,Glenn TC,Shen CL,Wang JS

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.

Frontiers in microbiology , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

Antibiofilm activity of bioactive hop compounds humulone, lupulone and xanthohumol toward susceptible and resistant staphylococci.

Research in microbiology , Volume: 169 Issue: 3 2018 Apr

Authors Bogdanova K,Röderova M,Kolar M,Langova K,Dusek M,Jost P,Kubelkova K,Bostik P,Osovská J

Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.

Canadian journal of microbiology , 2018 Feb 5

Authors Wang Y,Guo Y,Chen H,Wei H,Wan C

Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 73 Issue: 1 2018 Mar

Authors Paturi G,Butts CA,Monro JA,Hedderley D

[Assessment of the impact of vitamin and dietary fiber content in the diet on the characteristics of protective colon microbiota populations of rats].

Voprosy pitaniia , Volume: 84 Issue: 6 2015

Authors Markova YM,Sheveleva SA

Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.

Carcinogenesis , 2018 Jan 19

Authors Chen L,Jiang B,Zhong C,Guo J,Zhang L,Mu T,Zhang Q,Bi X

The modulatory effect of polyphenols from green tea, oolong tea and black tea on human intestinal microbiota in vitro.

Journal of food science and technology , Volume: 55 Issue: 1 2018 Jan

Authors Sun H,Chen Y,Cheng M,Zhang X,Zheng X,Zhang Z

The Relationship between Habitual Dietary Intake and Gut Microbiota in Young Japanese Women.

Journal of nutritional science and vitaminology , Volume: 63 Issue: 6 2017

Authors Seura T,Yoshino Y,Fukuwatari T

Rhubarb Supplementation Promotes Intestinal Mucosal Innate Immune Homeostasis through Modulating Intestinal Epithelial Microbiota in Goat Kids.

Journal of agricultural and food chemistry , Volume: 66 Issue: 4 2018 Jan 31

Authors Jiao J,Wu J,Wang M,Zhou C,Zhong R,Tan Z

Transferrin and Lactoferrin - Human Iron Sources for Enterococci.

Polish journal of microbiology , Volume: 66 Issue: 4 2017 Dec 4

Authors Lisiecki P

Effect of dark sweet cherry powder consumption on the gut microbiota, short-chain fatty acids, and biomarkers of gut health in obese db/db mice.

PeerJ , Volume: 6 2018

Authors Garcia-Mazcorro JF,Lage NN,Mertens-Talcott S,Talcott S,Chew B,Dowd SE,Kawas JR,Noratto GD

Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.

The British journal of nutrition , Volume: 119 Issue: 2 2018 Jan

Authors Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J

Thymus mastichina L. essential oils from Murcia (Spain): Composition and antioxidant, antienzymatic and antimicrobial bioactivities.

PLoS one , Volume: 13 Issue: 1 2018

Authors Cutillas AB,Carrasco A,Martinez-Gutierrez R,Tomas V,Tudela J

Intraruminal infusion of oligofructose alters ruminal microbiota and induces acute laminitis in sheep.

Journal of animal science , Volume: 95 Issue: 12 2017 Dec

Authors Li H,Liu J,Zhu W,Mao S

Influence of a diet enriched with virgin olive oil or butter on mouse gut microbiota and its correlation to physiological and biochemical parameters related to metabolic syndrome.

PloS one , Volume: 13 Issue: 1 2018

Authors Prieto I,Hidalgo M,Segarra AB,Martínez-Rodríguez AM,Cobo A,Ramírez M,Abriouel H,Gálvez A,Martínez-Cañamero M
Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

Journal of food protection , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

Effects of fermented soymilk with Lactobacillus casei Shirota on skin condition and the gut microbiota: a randomised clinical pilot trial.

Beneficial microbes , Volume: 9 Issue: 2 2018 Feb 27

Authors Nagino T,Kaga C,Kano M,Masuoka N,Anbe M,Moriyama K,Maruyama K,Nakamura S,Shida K,Miyazaki K
Persistence of Supplemented Bifidobacterium longum subsp. infantis EVC001 in Breastfed Infants.

mSphere , Volume: 2 Issue: 6 2017 Nov-Dec

Authors Frese SA,Hutton AA,Contreras LN,Shaw CA,Palumbo MC,Casaburi G,Xu G,Davis JCC,Lebrilla CB,Henrick BM,Freeman SL,Barile D,German JB,Mills DA,Smilowitz JT,Underwood MA

Dietary Broccoli Impacts Microbial Community Structure and Attenuates Chemically Induced Colitis in Mice in an Ah receptor dependent manner.

Journal of functional foods , Volume: 37 2017 Oct

Authors Hubbard TD,Murray IA,Nichols RG,Cassel K,Podolsky M,Kuzu G,Tian Y,Smith P,Kennett MJ,Patterson AD,Perdew GH
COCOA (Theobroma cacao) Polyphenol-Rich Extract Increases the Chronological Lifespan of Saccharomyces cerevisiae.

The Journal of frailty & aging , Volume: 5 Issue: 3 2016

Authors Baiges I,Arola L

The Impact of Long-Term Intake of Phenolic Compounds-Rich Grape Pomace on Rat Gut Microbiota.

Journal of food science , Volume: 83 Issue: 1 2018 Jan

Authors Chacar S,Itani T,Hajal J,Saliba Y,Louka N,Faivre JF,Maroun R,Fares N

Systematic review: human gut dysbiosis induced by non-antibiotic prescription medications.

Alimentary pharmacology & therapeutics , Volume: 47 Issue: 3 2018 Feb

Authors Le Bastard Q,Al-Ghalith GA,Grégoire M,Chapelet G,Javaudin F,Dailly E,Batard E,Knights D,Montassier E
Blood lactose after dairy product intake in healthy men.

The British journal of nutrition , Volume: 118 Issue: 12 2017 Dec

Authors Pimentel G,Burton KJ,Rosikiewicz M,Freiburghaus C,von Ah U,Münster LH,Pralong FP,Vionnet N,Greub G,Badertscher R,Vergères G

Genes and Gut Bacteria Involved in Luminal Butyrate Reduction Caused by Diet and Loperamide.

Genes , Volume: 8 Issue: 12 2017 Nov 28

Authors Hwang N,Eom T,Gupta SK,Jeong SY,Jeong DY,Kim YS,Lee JH,Sadowsky MJ,Unno T

Gut Microbiome-Induced Shift of Acetate to Butyrate Positively Manages Dysbiosis in High Fat Diet.

Molecular nutrition & food research , Volume: 62 Issue: 3 2018 Feb

Authors Si X,Shang W,Zhou Z,Strappe P,Wang B,Bird A,Blanchard C

Quercetin metabolism by fecal microbiota from healthy elderly human subjects.

PloS one , Volume: 12 Issue: 11 2017

Authors Tamura M,Hoshi C,Kobori M,Takahashi S,Tomita J,Nishimura M,Nishihira J

Balancing Herbal Medicine and Functional Food for Prevention and Treatment of Cardiometabolic Diseases through Modulating Gut Microbiota.

Frontiers in microbiology , Volume: 8 2017

Authors Lyu M,Wang YF,Fan GW,Wang XY,Xu SY,Zhu Y

Exercise Alters Gut Microbiota Composition and Function in Lean and Obese Humans.

Medicine and science in sports and exercise , Volume: 50 Issue: 4 2018 Apr

Authors Allen JM,Mailing LJ,Niemiro GM,Moore R,Cook MD,White BA,Holscher HD,Woods JA

Modulation of the gut microbiota by metformin improves metabolic profiles in aged obese mice.

Gut microbes , 2017 Nov 20

Authors Lee H,Lee Y,Kim J,An J,Lee S,Kong H,Song Y,Lee CK,Kim K

Extracts from Hericium erinaceus relieve inflammatory bowel disease by regulating immunity and gut microbiota.

Oncotarget , Volume: 8 Issue: 49 2017 Oct 17

Authors Diling C,Xin Y,Chaoqun Z,Jian Y,Xiaocui T,Jun C,Ou S,Yizhen X

A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

The green tea modulates large intestinal microbiome and exo/endogenous metabolome altered through chronic UVB-exposure.

PloS one , Volume: 12 Issue: 11 2017

Authors Jung ES, Park HM, Hyun SM, Shon JC, Singh D, Liu KH, Whon TW, Bae JW, Hwang JS, Lee CH

An *in vitro* Comparative Evaluation of Efficacy of Disinfecting Ability of Garlic Oil, Neem Oil, Clove Oil, and Tulsi Oil with autoclaving on Endodontic K Files tested against *Enterococcus faecalis*.

International journal of clinical pediatric dentistry , Volume: 10 Issue: 3 2017 Jul-Sep

Authors Hugar S, M Patel P, Nagmoti J, Uppin C, Mistry L, Dhariwal N

Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y, Huo D, Peng Q, Pan Y, Jiang S, Liu B, Zhang J

The effects of iron fortification and supplementation on the gut microbiome and diarrhea in infants and children: a review.

The American journal of clinical nutrition , Volume: 106 Issue: Suppl 6 2017 Dec

Authors Paganini D, Zimmermann MB

Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shang W, Si X, Zhou Z, Li Y, Strappe P, Blanchard C

Indoor microbiota in severely moisture damaged homes and the impact of interventions.

Microbiome , Volume: 5 Issue: 1 2017 Oct 13

Authors Jayaprakash B, Adams RI, Kirjavainen P, Karvonen A, Vepsäläinen A, Valkonen M, Järvi K, Sulyok M, Pekkanen J, Hyvärinen A, Täubel M

Effects of microencapsulated *Lactobacillus plantarum* LIP-1 on the gut microbiota of hyperlipidaemic rats.

The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ, Tian WJ, Kwok LY, Wang YL, Shang YN, Menghe B, Wang JG

Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminal Microbiota in Dairy Cows Fed High-Grain Diets.

Frontiers in microbiology , Volume: 8 2017

Authors Pan X, Xue F, Nan X, Tang Z, Wang K, Beckers Y, Jiang L, Xiong B

Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.

International journal of molecular sciences , Volume: 18 Issue: 10 2017 Oct 4

Authors Medina DA, Pinto F, Ovalle A, Thomson P, Garrido D

Ketogenic diet poses a significant effect on imbalanced gut microbiota in infants with refractory epilepsy.

World journal of gastroenterology , Volume: 23 Issue: 33 2017 Sep 7

Authors Xie G, Zhou Q, Qiu CZ, Dai WK, Wang HP, Li YH, Liao JX, Lu XG, Lin SF, Ye JH, Ma ZY, Wang WJ

Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs.

The Journal of nutrition , Volume: 147 Issue: 11 2017 Nov

Authors Foubse JM, Gänzle MG, Beattie AD, Vasanthan T, Zijlstra RT

Fructooligosaccharide (FOS) and Galactooligosaccharide (GOS) Increase Bifidobacterium but Reduce Butyrate Producing Bacteria with Adverse Glycemic Metabolism in healthy young population.

Scientific reports , Volume: 7 Issue: 1 2017 Sep 18

Authors Liu F, Li P, Chen M, Luo Y, Prabhakar M, Zheng H, He Y, Qi Q, Long H, Zhang Y, Sheng H, Zhou H

Moderate-Intensity Exercise Affects Gut Microbiome Composition and Influences Cardiac Function in Myocardial Infarction Mice.

Frontiers in microbiology , Volume: 8 2017

Authors Liu Z, Liu HY, Zhou H, Zhan Q, Lai W, Zeng Q, Ren H, Xu D

Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.

Journal of food and drug analysis , Volume: 25 Issue: 2 2017 Apr

Authors Semeniciu CA, Pop CR, Rotar AM

Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier.

American journal of physiology. Endocrinology and metabolism , Volume: 314 Issue: 4 2018 Apr 1

Authors Van Hul M, Geurts L, Plovier H, Druart C, Everard A, Stahlman M, Rhimi M, Chira K, Teissedre PL, Delzenne NM, Maguin E, Guillot A, Brochot A, Gérard P, Bäckhed F, Cani PD

Dietary pomegranate extract and inulin affect gut microbiome differentially in mice fed an obesogenic diet.

Anaerobe , Volume: 48 2017 Dec

Authors Zhang S, Yang J, Henning SM, Lee R, Hsu M, Grojean E, Pisegna R, Ly A, Heber D, Li Z

A yeast fermentate improves gastrointestinal discomfort and constipation by modulation of the gut microbiome: results from a randomized double-blind placebo-controlled pilot trial.

BMC complementary and alternative medicine , Volume: 17 Issue: 1 2017 Sep 4

Authors Pinheiro I,Robinson L,Verhelst A,Marzorati M,Winkens B,den Abbeele PV,Possemiers S

[Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.](#)

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2017 Aug 29

Authors Lin TH,Pan TM

[Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.](#)

Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017 Aug 30

Authors Lin X,Chen X,Tu Y,Wang S,Chen H

[Lactobacillus plantarum LP-Onlly alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.](#)

Molecular medicine reports , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

[Dietary Propolis Ameliorates Dextran Sulfate Sodium-Induced Colitis and Modulates the Gut Microbiota in Rats Fed a Western Diet.](#)

Nutrients , Volume: 9 Issue: 8 2017 Aug 14

Authors Wang K,Jin X,You M,Tian W,Le Leu RK,Topping DL,Conlon MA,Wu L,Hu F

[Changes in the gut microbial communities following addition of walnuts to the diet.](#)

The Journal of nutritional biochemistry , Volume: 48 2017 Oct

Authors Byerley LO,Samuelson D,Blanchard E 4th,Luo M,Lorenzen BN,Banks S,Ponder MA,Welsh DA,Taylor CM

[Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.](#)

Food & function , Volume: 8 Issue: 9 2017 Sep 20

Authors Wang G,Li X,Zhao J,Zhang H,Chen W

[Dose-Dependent Prebiotic Effect of Lactulose in a Computer-Controlled In Vitro Model of the Human Large Intestine.](#)

Nutrients , Volume: 9 Issue: 7 2017 Jul 18

Authors Bothe MK,Maathuis AJH,Bellmann S,van der Vossen JMBM,Berressem D,Koehler A,Schwejdja-Guettes S,Gaigg B,Kuchinka-Koch A,Stover JF

[Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.](#)

Nutrition and cancer , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P,Lam V,Salzman N,Huang YW,Yu J,Zhang J,Wang LS

[Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.](#)

Scientific reports , Volume: 7 Issue: 1 2017 Jul 17

Authors Suriano F,Bindels LB,Verspreet J,Courtin CM,Verbeke K,Cani PD,Neyrinck AM,Delzenne NM

[Immunomodulatory Activities of a Fungal Protein Extracted from Hericium erinaceus through Regulating the Gut Microbiota.](#)

Frontiers in immunology , Volume: 8 2017

Authors Diling C,Chaoqun Z,Jian Y,Jian L,Jiyan S,Yizhen X,Guoxiao L

[Effects of Consuming Xylitol on Gut Microbiota and Lipid Metabolism in Mice.](#)

Nutrients , Volume: 9 Issue: 7 2017 Jul 14

Authors Uebanso T,Kano S,Yoshimoto A,Naito C,Shimohata T,Mawatari K,Takahashi A

[Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.](#)

Journal of food science , Volume: 82 Issue: 8 2017 Aug

Authors Lu QY,Summanen PH,Lee RP,Huang J,Henning SM,Heber D,Finegold SM,Li Z

[Monitoring *in vitro* antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.](#)

Integrative medicine research , Volume: 3 Issue: 3 2014 Sep

Authors Rath S,Padhy RN

[Cocoa and Dark Chocolate Polyphenols: From Biology to Clinical Applications](#)

Frontiers in Immunology , Volume: 8 2017 Jun 9

Authors Magrone T,Russo MA,Jirillo E

[The effects of the Lactobacillus casei strain on obesity in children: a pilot study.](#)

Beneficial microbes , Volume: 8 Issue: 4 2017 Aug 24

Authors Nagata S,Chiba Y,Wang C,Yamashiro Y

[Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects.](#)

Omics : a journal of integrative biology , Volume: 22 Issue: 2 2018 Feb

Authors Bekiaries N,Krueger CG,Meudt JJ,Shanmuganayagam D,Reed JD

[Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome.](#)

Environmental microbiology , Volume: 19 Issue: 8 2017 Aug

Authors De Paepe K,Kerckhof FM,Verspreet J,Courtin CM, Van de Wiele T

[Gastrointestinal Simulation Model TWIN-SHIME Shows Differences between Human Urolithin-Metabotypes in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract.](#)

Journal of agricultural and food chemistry , Volume: 65 Issue: 27 2017 Jul 12

Authors García-Villalba R,Vissenaekens H,Pitart J,Romo-Vaquero M,Espín JC,Grootaert C,Selma MV,Raes K,Smagghe G,Possemiers S, Van Camp J,Tomas-Barberan FA

[Dimethyl fumarate reduces the risk of mycotoxins via improving intestinal barrier and microbiota.](#)

Oncotarget , Volume: 8 Issue: 27 2017 Jul 4

Authors Ma N,Wu Y,Xie F,Du K,Wang Y,Shi L, Ji L,Liu T, Ma X

[Human Milk Oligosaccharides Exhibit Antimicrobial and Antibiofilm Properties against Group B Streptococcus.](#)

ACS infectious diseases , Volume: 3 Issue: 8 2017 Aug 11

Authors Ackerman DL,Doster RS,Weitkamp JH,Aronoff DM,Gaddy JA,Townsend SD

[Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.](#)

Nutrients , Volume: 9 Issue: 6 2017 May 24

Authors Koutsos A,Lima M,Conterno L,Gasperotti M,Bianchi M,Fava F,Vrhovsek U,Lovegrove JA,Tuohy KM

[Gut Microbiota Mediates the Protective Effects of Dietary Capsaicin against Chronic Low-Grade Inflammation and Associated Obesity Induced by High-Fat Diet.](#)

mBio , Volume: 8 Issue: 3 2017 May 23

Authors Kang C,Wang B,Kaliannan K,Wang X,Lang H,Hui S,Huang L,Zhang Y,Zhou M,Chen M,Mi M

[Health benefit of vegetable/fruit juice-based diet: Role of microbiome](#)

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P, Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

[The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.](#)

Science translational medicine , Volume: 9 Issue: 390 2017 May 17

Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI

[Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation.](#)

Food & function , Volume: 8 Issue: 5 2017 May 24

Authors Wang L,Hu L,Yan S,Jiang T,Fang S,Wang G,Zhao J,Zhang H,Chen W

[Effect of a probiotic beverage consumption \(Enterococcus faecium CRL 183 and Bifidobacterium longum ATCC 15707\) in rats with chemically induced colitis.](#)

PloS one , Volume: 12 Issue: 4 2017

Authors Celiberto LS,Bedani R,Dejani NN,Ivo de Medeiros A,Sampaio Zuanon JA,Spolidorio LC,Tallarico Adorno MA,Amâncio Varesche MB,Carrilho Galvão F,Valentini SR,Font de Valdez G,Rossi EA,Cavallini DCU

[Inulin with different degrees of polymerization modulates composition of intestinal microbiota in mice.](#)

FEMS microbiology letters , Volume: 364 Issue: 10 2017 May 1

Authors Zhu L,Qin S,Zhai S,Gao Y,Li L

[Influence of diet on the gut microbiome and implications for human health.](#)

Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

[Impact of probiotic Saccharomyces boulardii on the gut microbiome composition in HIV-treated patients: A double-blind, randomised, placebo-controlled trial.](#)

PloS one , Volume: 12 Issue: 4 2017

Authors Villar-García J,Güerri-Fernández R,Moya A,González A,Hernández JJ,Lerma E,Guelar A,Sorli L,Horcajada JP,Artacho A,D Auria G,Knobel H

[Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Li J,Hou Q,Zhang J,Xu H,Sun Z,Menghe B,Zhang H

[Short-term impact of a classical ketogenic diet on gut microbiota in GLUT1 Deficiency Syndrome: A 3-month prospective observational study.](#)

Clinical nutrition ESPEN , Volume: 17 2017 Feb

Authors Tagliabue A,Ferraris C,Uggeri F,Trentani C,Bertoli S,de Giorgis V,Veggiotti P,Elli M

[Good Bugs vs Bad Bugs: Evaluation of Inhibitory Effect of Selected Probiotics against Enterococcus faecalis.](#)

The journal of contemporary dental practice , Volume: 18 Issue: 4 2017 Apr 1

Authors Bohora AA,Kokate SR

[Changes in intestinal microbiota composition and metabolism coincide with increased intestinal permeability in young](#)

adults under prolonged physiological stress.

American journal of physiology. Gastrointestinal and liver physiology , Volume: 312 Issue: 6 2017 Jun 1

Authors Karl JP,Margolis LM,Madslien EH,Murphy NE,Castellani JW,Gundersen Y,Hoke AV,Levangie MW,Kumar R,Chakraborty N,Gautam A,Hammamieh R,Martini S,Montain SJ,Pasiakos SM

Rice- or pork-based diets with similar calorie and content result in different rat gut microbiota.

International journal of food sciences and nutrition , Volume: 68 Issue: 7 2017 Nov

Authors Qi X,Xu W,Guo M,Chen S,Liu Y,He X,Huang K

Evaluation of Phenolic Compounds and Antioxidant and Antimicrobial Activities of Some Common Herbs.

International journal of analytical chemistry , Volume: 2017 2017

Authors Abdul Qadir M,Shahzadi SK,Bashir A,Munir A,Shahzad S

Consumption of a diet rich in Brassica vegetables is associated with a reduced abundance of sulphate-reducing bacteria: A randomised crossover study.

Molecular nutrition & food research , Volume: 61 Issue: 9 2017 Sep

Authors Kellingray L,Tapp HS,Saha S,Doleman JF,Narbad A,Mithen RF

Effect of dietary polyphenol-rich grape seed on growth performance, antioxidant capacity and ileal microflora in broiler chicks.

Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb

Authors Abu Hafsa SH,Ibrahim SA

Anti-obesity Effect of Capsaicin in Mice Fed with High-Fat Diet Is Associated with an Increase in Population of the Gut Bacterium *Akkermansia muciniphila*.

Frontiers in microbiology , Volume: 8 2017

Authors Shen W,Shen M,Zhao X,Zhu H,Yang Y,Lu S,Tan Y,Li G,Li M,Wang J,Hu F,Le S

Apple Polysaccharide inhibits microbial dysbiosis and chronic inflammation and modulates gut permeability in HFD-fed rats.

International journal of biological macromolecules , Volume: 99 2017 Jun

Authors Wang S,Li Q,Zang Y,Zhao Y,Liu N,Wang Y,Xu X,Liu L,Mei Q

Changes in Metabolically Active Bacterial Community during Rumen Development, and Their Alteration by Rhubarb Root Powder Revealed by 16S rRNA Amplicon Sequencing.

Frontiers in microbiology , Volume: 8 2017

Authors Wang Z,Elkwachi C,Jiao J,Wang M,Tang S,Zhou C,Tan Z,Forster RJ

Specific inulin-type fructan fibers protect against autoimmune diabetes by modulating gut immunity, barrier function, and microbiota homeostasis.

Molecular nutrition & food research , Volume: 61 Issue: 8 2017 Aug

Authors Chen K,Chen H,Faas MM,de Haan BJ,Li J,Xiao P,Zhang H,Diana J,de Vos P,Sun J

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.

Gut , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J

Of the milk sugars, galactose, but not prebiotic galacto-oligosaccharide, improves insulin sensitivity in male Sprague-Dawley rats.

PloS one , Volume: 12 Issue: 2 2017

Authors Stahel P,Kim JJ,Xiao C,Cant JP

Differences in Gut Metabolites and Microbial Composition and Functions between Egyptian and U.S. Children Are Consistent with Their Diets.

mSystems , Volume: 2 Issue: 1 2017 Jan-Feb

Authors Shankar V,Gouda M,Moncivaiz J,Gordon A,Reo MV,Hussein L,Paliy O

Kodo millet whole grain and bran supplementation prevents high-fat diet induced derangements in a lipid profile, inflammatory status and gut bacteria in mice.

Food & function , Volume: 8 Issue: 3 2017 Mar 22

Authors Sarma SM,Khare P,Jagtap S,Singh DP,Baboota RK,Podili K,Boparai RK,Kaur J,Bhutani KK,Bishnoi M,Kondepudi KK

The Fungal Mycobiome and Its Interaction with Gut Bacteria in the Host.

International journal of molecular sciences , Volume: 18 Issue: 2 2017 Feb 4

Authors Sam QH,Chang MW,Chai LY

Characterization of faecal microbial communities of dairy cows fed diets containing ensiled Moringa oleifera fodder.

Scientific reports , Volume: 7 2017 Jan 30

Authors Sun J,Zeng B,Chen Z,Yan S,Huang W,Sun B,He Q,Chen X,Chen T,Jiang Q,Xi Q,Zhang Y

Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.

Journal of dairy science , Volume: 100 Issue: 4 2017 Apr

- Authors** Boudry G,Hamilton MK,Chichlowski M,Wickramasinghe S,Barile D,Kalanetra KM,Mills DA,Raybould HE
Epigallocatechin gallate induces a hepatospecific decrease in the CYP3A expression level by altering intestinal flora.
European journal of pharmaceutical sciences : official journal of the European Federation for Pharmaceutical Sciences , Volume: 100 2017 Mar 30
Authors Ikarashi N,Ogawa S,Hirobe R,Kon R,Kusunoki Y,Yamashita M,Mizukami N,Kaneko M,Wakui N,Machida Y,Sugiyama K
Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier
World Journal of Gastroenterology , Volume: 23 Issue: 1 2017 Jan 7
Authors Zhou D,Pan Q,Xin FZ,Zhang RN,He CX,Chen GY,Liu C,Chen YW,Fan JG
Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals.
Proceedings of the National Academy of Sciences of the United States of America , Volume: 114 Issue: 3 2017 Jan 17
Authors Azcarate-Peril MA,Ritter AJ,Savaiano D,Monteagudo-Mera A,Anderson C,Magness ST,Klaenhammer TR
A metagenomic study of the preventive effect of Lactobacillus rhamnosus GG on intestinal polyp formation in Apc^{Min/+} mice.
Journal of applied microbiology , Volume: 122 Issue: 3 2017 Mar
Authors Ni Y,Wong VH,Tai WC,Li J,Wong WY,Lee MM,Fong FL,El-Nezami H,Panagiotou G
Prospective randomized controlled study on the effects of Saccharomyces boulardii CNCM I-745 and amoxicillin-clavulanate or the combination on the gut microbiota of healthy volunteers.
Gut microbes , Volume: 8 Issue: 1 2017 Jan 2
Authors Kabbani TA,Pallav K,Dowd SE,Villafuerte-Galvez J,Vanga RR,Castillo NE,Hansen J,Dennis M,Leffler DA,Kelly CP
Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.
Diabetes , Volume: 66 Issue: 2 2017 Feb
Authors Sung MM,Kim TT,Denou E,Softys CM,Hamza SM,Byrne NJ,Masson G,Park H,Wishart DS,Madsen KL,Schertzer JD,Dyck JR
Gut-borne Saccharomyces cerevisiae, a promising candidate for the formulation of feed additives, modulates immune system and gut microbiota.
Beneficial microbes , Volume: 7 Issue: 5 2016 Nov 30
Authors García G,Dogí C,de Moreno de LeBlanc A,Greco C,Cavaglieri L
Oligofructose as an adjunct in treatment of diabetes in NOD mice.
Scientific reports , Volume: 6 2016 Nov 22
Authors Chan C,Hyslop CM,Shrivastava V,Ochoa A,Reimer RA,Huang C
Veggies and Intact Grains a Day Keep the Pathogens Away.
Cell , Volume: 167 Issue: 5 2016 Nov 17
Authors Gazzaniga FS,Kasper DL
Prebiotic potential of L-sorbose and xylitol in promoting the growth and metabolic activity of specific butyrate-producing bacteria in human fecal culture.
FEMS microbiology ecology , Volume: 93 Issue: 1 2017 Jan
Authors Sato T,Kusuhara S,Yokoi W,Ito M,Miyazaki K
Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.
International journal of food microbiology , Volume: 241 2017 Jan 16
Authors Moens F,Verce M,De Vuyst L
Efficacy of Aqueous and Methanolic Extracts of Rheum Spiciformis against Pathogenic Bacterial and Fungal Strains.
Journal of clinical and diagnostic research : JCDR , Volume: 10 Issue: 9 2016 Sep
Authors Dar KB,Bhat AH,Amin S,Anees S,Masood A,Zargar MI,Ganie SA
Fucosyllactose and L-fucose utilization of infant Bifidobacterium longum and Bifidobacterium kashiwanohense.
BMC microbiology , Volume: 16 Issue: 1 2016 Oct 26
Authors Bunesova V,Lacroix C,Schwab C
Oral supplementation of healthy adults with 2'-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.
The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct
Authors Elison E,Vigsnæs LK,Rindom Krogsgaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P
Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.
Scientific reports , Volume: 6 2016 Oct 3
Authors Smith-Brown P,Morrison M,Krause L,Davies PS
Healthy Subjects Differentially Respond to Dietary Capsaicin Correlating with Specific Gut Enterotypes.
The Journal of clinical endocrinology and metabolism , Volume: 101 Issue: 12 2016 Dec

Authors Kang C,Zhang Y,Zhu X,Liu K,Wang X,Chen M,Wang J,Chen H,Hui S,Huang L,Zhang Q,Zhu J,Wang B,Mi M
Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.

Journal of the science of food and agriculture , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.

Journal of periodontology , Volume: 88 Issue: 2 2017 Feb

Authors Oliveira LF,Salvador SL,Silva PH,Furlaneto FA,Figueiredo L,Casarin R,Ervolino E,Palioto DB,Souza SL,Taba M Jr,Novaeas AB Jr,Messora MR

Apple peel polyphenols: a key player in the prevention and treatment of experimental inflammatory bowel disease.

Clinical science (London, England : 1979) , Volume: 130 Issue: 23 2016 Dec 1

Authors Denis MC,Roy D,Yeganeh PR,Desjardins Y,Varin T,Haddad N,Amre D,Sané AT,Garofalo C,Furtos A,Patey N,Delvin E,Tremblay E,Marette A,Beaulieu JF,Levy E

Effects of different diets on intestinal microbiota and nonalcoholic fatty liver disease development.

World journal of gastroenterology , Volume: 22 Issue: 32 2016 Aug 28

Authors Liu JP,Zou WL,Chen SJ,Wei HY,Yin YN,Zou YY,Lu FG

Consumption of a high-fat diet alters the seminal fluid and gut microbiomes in male mice.

Reproduction, fertility, and development , Volume: 29 Issue: 8 2017 Aug

Authors Javurek AB,Spollen WG,Johnson SA,Bivens NJ,Bromert KH,Givan SA,Rosenfeld CS

Chronic rein treatment improves recognition memory in high-fat diet-induced obese male mice.

The Journal of nutritional biochemistry , Volume: 36 2016 Oct

Authors Wang S,Huang XF,Zhang P,Wang H,Zhang Q,Yu S,Yu Y

Iron Fortification of Foods for Infants and Children in Low-Income Countries: Effects on the Gut Microbiome, Gut Inflammation, and Diarrhea.

Nutrients , Volume: 8 Issue: 8 2016 Aug 12

Authors Paganini D,Uyoga MA,Zimmermann MB

Non-absorbable apple procyanidins prevent obesity associated with gut microbial and metabolomic changes.

Scientific reports , Volume: 6 2016 Aug 10

Authors Masumoto S,Terao A,Yamamoto Y,Mukai T,Miura T,Shoji T

An ATP Binding Cassette Transporter Mediates the Uptake of α -(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.

The Journal of biological chemistry , Volume: 291 Issue: 38 2016 Sep 16

Authors Ejby M,Fredslund F,Andersen JM,Vujicic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M

Antimicrobial effects of Lactobacillus plantarum and Lactobacillus acidophilus against multidrug-resistant enteroaggregative Escherichia coli.

International journal of antimicrobial agents , Volume: 48 Issue: 3 2016 Sep

Authors Kumar M,Dhaka P,Vijay D,Vergis J,Mohan V,Kumar A,Kurkure NV,Barbuddhe SB,Malik SV,Rawool DB

Dietary Casein and Soy Protein Isolate Modulate the Effects of Raffinose and Fructooligosaccharides on the Composition and Fermentation of Gut Microbiota in Rats.

Journal of food science , Volume: 81 Issue: 8 2016 Aug

Authors Bai G,Ni K,Tsuruta T,Nishino N

In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.

Journal of intercultural ethnopharmacology , Volume: 5 Issue: 3 2016 Jun-Aug

Authors Sakkas H,Gousia P,Economou V,Sakkas V,Petsios S,Papadopoulou C

Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with Lactobacillus plantarum ZDY2013.

Journal of dairy science , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

In Vivo Effects of Tea Polyphenol Intake on Human Intestinal Microflora and Metabolism.

Bioscience, biotechnology, and biochemistry , Volume: 56 Issue: 4 1992 Jan

Authors Okubo T,Ishihara N,Oura A,Serit M,Kim M,Yamamoto T,Mitsuoka T

Effect of Bifidobacterium upon Clostridium difficile Growth and Toxicity When Co-cultured in Different Prebiotic Substrates.

Frontiers in microbiology , Volume: 7 2016

Authors Valdés-Varela L,Hernández-Barranco AM,Ruas-Madiedo P,Gueimonde M

Antimicrobial Activity of Xanthohumol and Its Selected Structural Analogues.

Molecules (Basel, Switzerland) , Volume: 21 Issue: 5 2016 May 11

Authors Stompor M,Zarowska B

Prevalence and Antimicrobial Resistance Patterns of Diarrheagenic Escherichia coli in Shanghai, China.

The Pediatric infectious disease journal , Volume: 35 Issue: 8 2016 Aug

Authors Huang Z,Pan H,Zhang P,Cao X,Ju W,Wang C,Zhang J,Meng J,Yuan Z,Xu X

[A Pathogen-Selective Antibiotic Minimizes Disturbance to the Microbiome.](#)

Antimicrobial agents and chemotherapy , Volume: 60 Issue: 7 2016 Jul

Authors Yao J,Carter RA,Vuagniaux G,Barbier M,Rosch JW,Rock CO

[A proteomic approach towards understanding the cross talk between Bacteroides fragilis and Bifidobacterium longum in coculture.](#)

Canadian journal of microbiology , Volume: 62 Issue: 7 2016 Jul

Authors Rios-Covián D,Sánchez B,Martínez N,Cuesta I,Hernández-Barranco AM,de Los Reyes-Gavilán CG,Gueimonde M

[Screening of Bifidobacteria and Lactobacilli Able to Antagonize the Cytotoxic Effect of Clostridium difficile upon Intestinal Epithelial HT29 Monolayer.](#)

Frontiers in microbiology , Volume: 7 2016

Authors Valdés-Varela L,Alonso-Guervos M,García-Suárez O,Gueimonde M,Ruas-Madiedo P

[Mediterranean diet and faecal microbiota: a transversal study.](#)

Food & function , Volume: 7 Issue: 5 2016 May 18

Authors Gutiérrez-Díaz I,Fernández-Navarro T,Sánchez B,Margolles A,González S

[Lingonberries alter the gut microbiota and prevent low-grade inflammation in high-fat diet fed mice.](#)

Food & nutrition research , Volume: 60 2016

Authors Heyman-Lindén L,Kotowska D,Sand E,Bjursell M,Plaza M,Turner C,Holm C,Fåk F,Berger K

[Lactobacillus rhamnosus GG Intake Modifies Preschool Children`s Intestinal Microbiota, Alleviates Penicillin-Associated Changes, and Reduces Antibiotic Use.](#)

PloS one , Volume: 11 Issue: 4 2016

Authors Korpela K,Salonen A,Virta LJ,Kumpu M,Kekkonen RA,de Vos WM

[Nondigestible Fructans Alter Gastrointestinal Barrier Function, Gene Expression, Histomorphology, and the Microbiota Profiles of Diet-Induced Obese C57BL/6J Mice.](#)

The Journal of nutrition , Volume: 146 Issue: 5 2016 May

Authors Liu TW,Cephas KD,Holscher HD,Kerr KR,Mangian HF,Tappenden KA,Swanson KS

[Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.](#)

Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec

Authors Berding K,Wang M,Monaco MH,Alexander LS,Mudd AT,Chichlowski M,Waworuntu RV,Berg BM,Miller MJ,Dilger RN,Donovan SM

[Probiotics for the Primary and Secondary Prevention of C. difficile Infections: A Meta-analysis and Systematic Review.](#)

Antibiotics (Basel, Switzerland) , Volume: 4 Issue: 2 2015 Apr 13

Authors McFarland LV

[Antimicrobial activities of six essential oils commonly used as condiments in Brazil against Clostridium perfringens.](#)

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 47 Issue: 2 2016 Apr-Jun

Authors Radaelli M,da Silva BP,Weidlich L,Hoehne L,Flach A,da Costa LA,Ethur EM

[Rhubarb extract prevents hepatic inflammation induced by acute alcohol intake, an effect related to the modulation of the gut microbiota.](#)

Molecular nutrition & food research , Volume: 61 Issue: 1 2017 Jan

Authors Neyrinck AM,Etcheberria U,Taminiau B,Daube G,Van Hul M,Everard A,Cani PD,Bindels LB,Delzenne NM

[In vitro extraction and fermentation of polyphenols from grape seeds \(Vitis vinifera\) by human intestinal microbiota.](#)

Food & function , Volume: 7 Issue: 4 2016 Apr

Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X

[Flavanol-Enriched Cocoa Powder Alters the Intestinal Microbiota, Tissue and Fluid Metabolite Profiles, and Intestinal Gene Expression in Pigs.](#)

The Journal of nutrition , Volume: 146 Issue: 4 2016 Apr

Authors Jang S,Sun J,Chen P,Lakshman S,Molokin A,Harnly JM,Vinyard BT,Urban JF Jr,Davis CD,Solano-Aguilar G

[Effect of Wheat Dietary Fiber Particle Size during Digestion In Vitro on Bile Acid, Faecal Bacteria and Short-Chain Fatty Acid Content.](#)

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 71 Issue: 2 2016 Jun

Authors Dziedzic K,Szwengiel A,Górecka D,Gujaska E,Kaczkowska J,Drozdzyńska A,Walkowiak J

[Effect of Saccharomyces boulardii and Mode of Delivery on the Early Development of the Gut Microbial Community in Preterm Infants.](#)

PloS one , Volume: 11 Issue: 2 2016

Authors Zeber-Lubecka N,Kulecka M,Ambrozkiwicz F,Paziewska A,Lechowicz M,Konopka E,Majewska U,Borszewska-Kornacka M,Mikula M,Cukrowska B,Ostrowski J

[Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and](#)

intestinal microbiota disorders in mice.**Food & function** , Volume: 7 Issue: 3 2016 Mar

Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY

High Molecular Weight Barley β -Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.**Frontiers in microbiology** , Volume: 7 2016

Authors Wang Y,Ames NP,Tun HM,Tosh SM,Jones PJ,Khafipour E

Lingonberries reduce atherosclerosis in Apoe(-/-) mice in association with altered gut microbiota composition and improved lipid profile.**Molecular nutrition & food research** , Volume: 60 Issue: 5 2016 May

Authors Matziouridou C,Marunguang N,Nguyen TD,Nyman M,Fåk F

Effects of Cocoa Husk Feeding on the Composition of Swine Intestinal Microbiota.**Journal of agricultural and food chemistry** , Volume: 64 Issue: 10 2016 Mar 16

Authors Magistrelli D,Zanchi R,Malagutti L,Galassi G,Canzi E,Rosi F

Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.**Gut** , Volume: 66 Issue: 5 2017 May

Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkourdos I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D

High purity galacto-oligosaccharides enhance specific Bifidobacterium species and their metabolic activity in the mouse gut microbiome.**Beneficial microbes** , Volume: 7 Issue: 2 2016

Authors Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA

The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 (IBRC-M 10784) as Probiotic Bacteria in vitro.**Archives of Iranian medicine** , Volume: 19 Issue: 2 2016 Feb

Authors Mahboubi M,Kazempour N

Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.**Journal of dairy science** , Volume: 99 Issue: 3 2016 Mar

Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X

Antibacterial Activity of Probiotic Lactobacillus plantarum HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.**Probiotics and antimicrobial proteins** , Volume: 5 Issue: 2 2013 Jun

Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K

Microbial Metabolism Shifts Towards an Adverse Profile with Supplementary Iron in the TIM-2 In vitro Model of the Human Colon.**Frontiers in microbiology** , Volume: 6 2015

Authors Kortman GA,Dutilh BE,Maathuis AJ,Engelke UF,Boekhorst J,Keegan KP,Nielsen FG,Betley J,Weir JC,Kingsbury Z,Kluijtmans LA,Swinkels DW,Venema K,Tjalsma H

Probiotic Characteristics of Lactobacillus plantarum FH185 Isolated from Human Feces.**Korean journal for food science of animal resources** , Volume: 35 Issue: 5 2015

Authors Park SY,Lim SD

Extrusion of barley and oat influence the fecal microbiota and SCFA profile of growing pigs.**Food & function** , Volume: 7 Issue: 2 2016 Feb

Authors Moen B,Berget I,Rud I,Hole AS,Kjos NP,Sahlstrøm S

Effects of the dietary protein level on the microbial composition and metabolomic profile in the hindgut of the pig.**Anaerobe** , Volume: 38 2016 Apr

Authors Zhou L,Fang L,Sun Y,Su Y,Zhu W

The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent.**PloS one** , Volume: 10 Issue: 12 2015

Authors Aktas B,De Wolfe TJ,Tandee K,Safdar N,Darien BJ,Steele JL

The human milk oligosaccharide 2'-fucosyllactose augments the adaptive response to extensive intestinal.**American journal of physiology. Gastrointestinal and liver physiology** , Volume: 310 Issue: 6 2016 Mar 15

Authors Mezoff EA,Hawkins JA,Oilberding NJ,Karns R,Morrow AL,Helmrich MA

Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets.**The Journal of nutrition** , Volume: 146 Issue: 2 2016 Feb

Authors Jacobi SK,Yatsunenkov T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J

Antimicrobial Potential of Papain Chemomechanical Agent on Streptococcus Mutans and Lactobacillus Casei Followed by the Use of Self-Etching Adhesive Systems.

The Journal of clinical pediatric dentistry , Volume: 40 Issue: 1 2016 Winter

Authors Basting RT,Gonçalves FR,França FM,do Amaral FL,Flório FM

Changes in Gut and Plasma Microbiome following Exercise Challenge in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS).

PloS one , Volume: 10 Issue: 12 2015

Authors Shukla SK,Cook D,Meyer J,Vernon SD,Le T,Clevidence D,Robertson CE,Schrodi SJ,Yale S,Frank DN

Evidence for synergistic activity of plant-derived essential oils against fungal pathogens of food.

Food microbiology , Volume: 53 Issue: Pt B 2016 Feb

Authors Hossain F,Follett P,Dang Vu K,Harich M,Salmieri S,Lacroix M

CHEMICAL COMPOSITION AND ANTIBACTERIAL ACTIVITY OF SOME MEDICINAL PLANTS FROM LAMIACEAE FAMILY.

Acta poloniae pharmaceutica , Volume: 72 Issue: 4 2015 Jul-Aug

Authors Kozłowska M,Laudy AE,Przybył J,Ziarno M,Majewska E

Effects of probiotics *Pediococcus acidilactici* strain MA18/5M and *Saccharomyces cerevisiae* subsp. *boulardii* strain SB-CNCM I-1079 on fecal and intestinal microbiota of nursing and weanling piglets.

Journal of animal science , Volume: 93 Issue: 11 2015 Nov

Authors Brousseau JP,Talbot G,Beaudoin F,Lauzon K,Roy D,Lessard M

Red wine polyphenols modulate fecal microbiota and reduce markers of the metabolic syndrome in obese patients.

Food & function , Volume: 7 Issue: 4 2016 Apr

Authors Moreno-Indias I,Sánchez-Alcoholado L,Pérez-Martínez P,Andrés-Lacueva C,Cardona F,Tinahones F,Queipo-Ortuño MI

Two Healthy Diets Modulate Gut Microbial Community Improving Insulin Sensitivity in a Human Obese Population.

The Journal of clinical endocrinology and metabolism , Volume: 101 Issue: 1 2016 Jan

Authors Haro C,Montes-Borrego M,Rangel-Zúñiga OA,Alcalá-Díaz JF,Gómez-Delgado F,Pérez-Martínez P,Delgado-Lista

J,Quintana-Navarro GM,Tinahones FJ,Landa BB,López-Miranda J,Camargo A,Pérez-Jiménez F

Membrane filter method to study the effects of *Lactobacillus acidophilus* and *Bifidobacterium longum* on fecal microbiota.

Microbiology and immunology , Volume: 59 Issue: 11 2015 Nov

Authors Shimizu H,Benno Y

Bacteriocin-producing strains of *Lactobacillus plantarum* inhibit adhesion of *Staphylococcus aureus* to extracellular matrix: quantitative insight and implications in antibacterial therapy.

Journal of medical microbiology , Volume: 64 Issue: 12 2015 Dec

Authors Mukherjee S,Ramesh A

Table grape consumption reduces adiposity and markers of hepatic lipogenesis and alters gut microbiota in butter fat-fed mice.

The Journal of nutritional biochemistry , Volume: 27 2016 Jan

Authors Baldwin J,Collins B,Wolf PG,Martinez K,Shen W,Chuang CC,Zhong W,Cooney P,Cockrell C,Chang E,Gaskins

HR,McIntosh MK

High-level adherence to a Mediterranean diet beneficially impacts the gut microbiota and associated metabolome.

Gut , Volume: 65 Issue: 11 2016 Nov

Authors De Filippis F,Pellegrini N,Vannini L,Jeffery IB,La Stora A,Laghi L,Serrazanetti DI,Di Cagno R,Ferrocino I,Lazzi C,Turroni

S,Cocolin L,Brigidi P,Neviani E,Gobbetti M,O'Toole PW,Ercolini D

Microbial populations and fermentation profiles in rumen liquid and solids of Holstein cows respond differently to dietary barley processing.

Journal of applied microbiology , Volume: 119 Issue: 6 2015 Dec

Authors Metzler-Zebeli BU,Khol-Parisini A,Gruber L,Zebeli Q

Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.

The ISME journal , Volume: 10 Issue: 3 2016 Mar

Authors Berni Canani R,Sangwan N,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR

Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.

Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

[Grape seed proanthocyanidin extracts inhibit lipopolysaccharide of *Porphyromonas gingivalis*].

Shanghai kou qiang yi xue = Shanghai journal of stomatology , Volume: 24 Issue: 4 2015 Aug

Authors Ci XK,Chen LP,Ou XY

The gut microbial community in metabolic syndrome patients is modified by diet.

The Journal of nutritional biochemistry , Volume: 27 2016 Jan

Authors Haro C,García-Carpintero S,Alcalá-Díaz JF,Gómez-Delgado F,Delgado-Lista J,Pérez-Martínez P,Rangel Zúñiga

OA,Quintana-Navarro GM,Landa BB,Clemente JC,López-Miranda J,Camargo A,Pérez-Jiménez F

Green tea epigallocatechin-3-gallate alleviates *Porphyromonas gingivalis*-induced periodontitis in mice.

International immunopharmacology , Volume: 29 Issue: 2 2015 Dec

Authors Cai Y,Chen Z,Liu H,Xuan Y,Wang X,Luan Q

[Saccharomyces boulardii CNCM I-745 supports regeneration of the intestinal microbiota after diarrheic dysbiosis - a review.](#)

Clinical and experimental gastroenterology , Volume: 8 2015

Authors Moré MI,Swidsinski A

[Isoeugenol has a non-disruptive detergent-like mechanism of action.](#)

Frontiers in microbiology , Volume: 6 2015

Authors Hyldgaard M,Mygind T,Piotrowska R,Foss M,Meyer RL

[\[Lactobacillus rhamnosus GG inhibits Cronobacter-induced meningitis in neonatal rats\].](#)

Nan fang yi ke da xue xue bao = Journal of Southern Medical University , Volume: 35 Issue: 8 2015 Aug

Authors Zhong L,Lin R,Long B,Wu X,Fan H

[Characterization of the Intestinal Lactobacilli Community following Galactooligosaccharides and Polydextrose Supplementation in the Neonatal Piglet.](#)

PloS one , Volume: 10 Issue: 8 2015

Authors Hoeflinger JL,Kashtanov DO,Cox SB,Dowd SE,Jouni ZE,Donovan SM,Miller MJ

[Effect of starch source \(corn, oats or wheat\) and concentration on fermentation by equine faecal microbiota in vitro.](#)

Journal of applied microbiology , Volume: 119 Issue: 5 2015 Nov

Authors Harlow BE,Donley TM,Lawrence LM,Flythe MD

[In vitro fermentation of lupin seeds \(Lupinus albus\) and broad beans \(Vicia faba\): dynamic modulation of the intestinal microbiota and metabolomic output.](#)

Food & function , Volume: 6 Issue: 10 2015 Oct

Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM

[Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.](#)

Biology of sex differences , Volume: 6 2015

Authors Shastri P,McCarville J,Kalmokoff M,Brooks SP,Green-Johnson JM

[Effect of daily intake of pomegranate juice on fecal microbiota and feces metabolites from healthy volunteers.](#)

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Mosele JJ,Gosalbes MJ,Macià A,Rubió L,Vázquez-Castellanos JF,Jiménez Hernández N,Moya A,Latorre A,Motilva MJ

[Agave Inulin Supplementation Affects the Fecal Microbiota of Healthy Adults Participating in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial.](#)

The Journal of nutrition , Volume: 145 Issue: 9 2015 Sep

Authors Holscher HD,Bauer LL,Gourineni V,Pelkman CL,Fahey GC Jr,Swanson KS

[Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.](#)

Food & function , Volume: 6 Issue: 8 2015 Aug

Authors Li Z,Henning SM,Lee RP,Lu QY,Summanen PH,Thames G,Corbett K,Downes J,Tseng CH,Finegold SM,Heber D

[Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.](#)

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

[Wheat and barley differently affect porcine intestinal microbiota.](#)

Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig MJ,Jørgensen H,Bach Knudsen KE,Mosenthin R

[In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.](#)

Journal of dairy science , Volume: 98 Issue: 9 2015 Sep

Authors Huang R,Tao X,Wan C,Li S,Xu H,Xu F,Shah NP,Wei H

[Antibacterial activity of herbal extracts against multi-drug resistant Escherichia coli recovered from retail chicken meat.](#)

Pakistan journal of pharmaceutical sciences , Volume: 28 Issue: 4 2015 Jul

Authors Shaheen AY,Sheikh AA,Rabbani M,Aslam A,Bibi T,Liaqat F,Muhammad J,Rehmani SF

[In situ identification and quantification of starch-hydrolyzing bacteria attached to barley and corn grain in the rumen of cows fed barley-based diets.](#)

FEMS microbiology ecology , Volume: 91 Issue: 8 2015 Aug

Authors Xia Y,Kong Y,Seviour R,Yang HE,Forster R,Vasanthan T,McAllister T

[In vitro characterisation of the fermentation profile and prebiotic capacity of gold-fleshed kiwifruit.](#)

Beneficial microbes , Volume: 6 Issue: 6 2015

Authors Blatchford P,Bentley-Hewitt KL,Stoklosinski H,McGhie T,Gearry R,Gibson G,Ansell J

[In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.](#)

Journal of microbiology and biotechnology , Volume: 25 Issue: 9 2015 Sep

Authors Jung TH,Jeon WM,Han KS

[Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.](#)

Recent patents on food, nutrition & agriculture , Volume: 7 Issue: 1 2015

Authors Ozogul Y,Kuley E,Ucar Y,Ozogul F

Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.

Anaerobe , Volume: 34 2015 Aug

Authors Li Z,Summanen PH,Komoriya T,Henning SM,Lee RP,Carlson E,Heber D,Finegold SM

Interactions between Diet, Bile Acid Metabolism, Gut Microbiota, and Inflammatory Bowel Diseases.

Digestive diseases (Basel, Switzerland) , Volume: 33 Issue: 3 2015

Authors Devkota S,Chang EB

Review article: dietary fibre-microbiota interactions.

Alimentary pharmacology & therapeutics , Volume: 42 Issue: 2 2015 Jul

Authors Simpson HL,Campbell BJ

Design of a papain immobilized antimicrobial food package with curcumin as a crosslinker.

PloS one , Volume: 10 Issue: 4 2015

Authors Manohar CM,Prabhawathi V,Sivakumar PM,Doble M

Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.

The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi , Volume: 65 Issue: 4 2015 Apr

Authors Shadnough M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M

Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets.

The British journal of nutrition , Volume: 113 Issue: 10 2015 May 28

Authors Zhong Y,Marung'rang N,Fák F,Nyman M

Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.

Food chemistry , Volume: 183 2015 Sep 15

Authors Sánchez-Patán F,Barroso E,van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta MC,Peláez C,Requena T,Bartolomé B

Comparative Evaluation of Antibacterial Efficacy of Six Indian Plant Extracts against Streptococcus Mutans.

Journal of clinical and diagnostic research : JCDR , Volume: 9 Issue: 2 2015 Feb

Authors Jain I,Jain P,Bisht D,Sharma A,Srivastava B,Gupta N

Effects of sub-lethal concentrations of thyme and oregano essential oils, carvacrol, thymol, citral and trans-2-hexenal on membrane fatty acid composition and volatile molecule profile of Listeria monocytogenes, Escherichia coli and Salmonella enteritidis.

Food chemistry , Volume: 182 2015 Sep 1

Authors Siroli L,Patrignani F,Gardini F,Lanciotti R

Allicin from garlic inhibits the biofilm formation and urease activity of Proteus mirabilis in vitro.

FEMS microbiology letters , Volume: 362 Issue: 9 2015 May

Authors Ranjbar-Omid M,Arzanlou M,Amani M,Shokri Al-Hashem SK,Amir Mozafari N,Peeri Doghaheh H

Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.

International journal of food microbiology , Volume: 202 2015 Jun 2

Authors Akdemir Evrendilek G

Increased gut microbiota diversity and abundance of Faecalibacterium prausnitzii and Akkermansia after fasting: a pilot study.

Wiener klinische Wochenschrift , Volume: 127 Issue: 9-10 2015 May

Authors Remely M,Hippe B,Geretschlaeger I,Stegmayer S,Hoefinger I,Haslberger A

Reshaping faecal gut microbiota composition by the intake of trans-resveratrol and quercetin in high-fat sucrose diet-fed rats.

The Journal of nutritional biochemistry , Volume: 26 Issue: 6 2015 Jun

Authors Etxeberria U,Arias N,Boqué N,Macarulla MT,Portillo MP,Martínez JA,Milagro FI

Inhibition of adhesion of intestinal pathogens (Escherichia coli, Vibrio cholerae, Campylobacter jejuni, and Salmonella Typhimurium) by common oligosaccharides.

Foodborne pathogens and disease , Volume: 12 Issue: 4 2015 Apr

Authors Wang S,Wang J,Mou H,Luo B,Jiang X

Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.

Nutrients , Volume: 7 Issue: 2 2015 Feb 16

Authors Sheflin AM,Borresen EC,Wdowik MJ,Rao S,Brown RJ,Heuberger AL,Broeckling CD,Weir TL,Ryan EP

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY

In vitro fermentation of fructooligosaccharides with human gut bacteria.

Food & function , Volume: 6 Issue: 3 2015 Mar

Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.

Beneficial microbes , Volume: 6 Issue: 4 2015

Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.

Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun

Authors Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM

Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber.

The American journal of clinical nutrition , Volume: 101 Issue: 2 2015 Feb

Authors Vitaglione P,Mennella I,Ferracane R,Rivellese AA,Giacco R,Ercolini D,Gibbons SM,La Stora A,Gilbert JA,Jonnalagadda S,Thielecke F,Gallo MA,Scalfi L,Fogliano V

[Clinical benefits after soluble dietary fiber supplementation: a randomized clinical trial in adults with slow-transit constipation].

Zhonghua yi xue za zhi , Volume: 94 Issue: 48 2014 Dec 30

Authors Xu L,Yu W,Jiang J,Li N

Lentinula edodes-derived polysaccharide alters the spatial structure of gut microbiota in mice.

PloS one , Volume: 10 Issue: 1 2015

Authors Xu X,Zhang X

Bioanalytical evaluation of Cinnamomum zeylanicum essential oil.

Natural product research , Volume: 29 Issue: 19 2015

Authors Saleem M,Bhatti HN,Jilani MI,Hanif MA

Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed chardonnay grape seed flour.

Journal of agricultural and food chemistry , Volume: 63 Issue: 5 2015 Feb 11

Authors Kim H,Kim DH,Seo KH,Chon JW,Nah SY,Bartley GE,Arvik T,Lipson R,Yokoyama W

Metagenomic insights into the effects of fructo-oligosaccharides (FOS) on the composition of fecal microbiota in mice.

Journal of agricultural and food chemistry , Volume: 63 Issue: 3 2015 Jan 28

Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W

Nature of the antimicrobial activity of Lactobacillus casei, Bifidobacterium bifidum and Bifidobacterium animalis against foodborne pathogenic and spoilage microorganisms.

Natural product research , Volume: 29 Issue: 22 2015

Authors de Oliveira CP,da Silva JA,de Siqueira-Júnior JP

In situ prebiotics for weaning piglets: in vitro production and fermentation of potato galacto-rhamnogalacturonan.

Applied and environmental microbiology , Volume: 81 Issue: 5 2015 Mar

Authors Strube ML,Ravn HC,Ingerslev HC,Meyer AS,Boye M

Metatranscriptomic analyses of plant cell wall polysaccharide degradation by microorganisms in the cow rumen.

Applied and environmental microbiology , Volume: 81 Issue: 4 2015 Feb

Authors Dai X,Tian Y,Li J,Luo Y,Liu D,Zheng H,Wang J,Dong Z,Hu S,Huang L

[Risk factors and antibiotic use in methicillin-resistant Staphylococcus aureus bacteremia in hospitalized patients at Hacettepe University Adult and Oncology Hospitals (2004-2011) and antimicrobial susceptibilities of the isolates: a nested case-control study].

Mikrobiyoloji bulteni , Volume: 48 Issue: 4 2014 Oct

Authors Atmaca O,Zarakolu P,Karahan C,Cakir B,Unal S

Arabinoxylan in wheat is more responsible than cellulose for promoting intestinal barrier function in weaned male piglets.

The Journal of nutrition , Volume: 145 Issue: 1 2015 Jan

Authors Chen H,Wang W,Degroote J,Possemiers S,Chen D,De Smet S,Michiels J

[The antibacterial activity of cinnamon oil on the selected gram-positive and gram-negative bacteria].

Medycyna doświadczalna i mikrobiologia , Volume: 66 Issue: 2 2014

Authors Urbaniak A,Głowacka A,Kowalczyk E,Lysakowska M,Sienkiewicz M

Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.

PloS one , Volume: 9 Issue: 11 2014

Authors Koleva P,Ketabi A,Valcheva R,Gänzle MG,Dieleman LA

[Determination of the antimicrobial capacity of green tea (Camellia sinensis) against the potentially pathogenic microorganisms Escherichia coli, Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Candida albicans and

[Aspergillus niger](#)].

Archivos latinoamericanos de nutricion , Volume: 63 Issue: 3 2013 Sep

Authors Mora A,Pawa J,Chaverri JM,Arias ML

[In vitro fermentation of lactulose by human gut bacteria.](#)

Journal of agricultural and food chemistry , Volume: 62 Issue: 45 2014 Nov 12

Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W

[Prebiotic effect of an infant formula supplemented with galacto-oligosaccharides: randomized multicenter trial.](#)

Journal of the American College of Nutrition , Volume: 33 Issue: 5 2014

Authors Giovannini M,Verduci E,Gregori D,Ballali S,Soldi S,Ghisleni D,Riva E,PLAGOS Trial Study Group.

[Assessment of Bioautography and Spot Screening of TLC of Green Tea \(Camellia\) Plant Extracts as Antibacterial and Antioxidant Agents](#)

Indian Journal of Pharmaceutical Sciences , Volume: 76 Issue: 4 2014 Jul-Aug

Authors Bashir S,Khan BM,Babar M,Andleeb S,Hafeez M,Ali S,Khan MF

[Active dry *Saccharomyces cerevisiae* can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.](#)

Journal of dairy science , Volume: 97 Issue: 12 2014 Dec

Authors AlZahal O,Dionissopoulos L,Laarman AH,Walker N,McBride BW

[Use of selected lactic acid bacteria in the eradication of *Helicobacter pylori* infection.](#)

Journal of microbiology (Seoul, Korea) , Volume: 52 Issue: 11 2014 Nov

Authors Kim JE,Kim MS,Yoon YS,Chung MJ,Yum DY

[Total Phenolic Content and Antibacterial Activity of Five Plants of Labiatae against Four Foodborne and Some Other Bacteria.](#)

Iranian journal of pharmaceutical research : IJPR , Volume: 13 Issue: 2 2014 Spring

Authors Mahboubi A,Kamalinejad M,Ayatollahi AM,Babaeian M

[Long-term intake of a high prebiotic fiber diet but not high protein reduces metabolic risk after a high fat challenge and uniquely alters gut microbiota and hepatic gene expression.](#)

Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep

Authors Saha DC,Reimer RA

[Iron fortification adversely affects the gut microbiome, increases pathogen abundance and induces intestinal inflammation in Kenyan infants.](#)

Gut , Volume: 64 Issue: 5 2015 May

Authors Jaeggli T,Kortman GA,Moretti D,Chassard C,Holding P,Dostal A,Boekhorst J,Timmerman HM,Swinkels DW,Tjalsma H,Njenga J,Mwangi A,Kvalsvig J,Lacroix C,Zimmermann MB

[Effect of traditional leafy vegetables on the growth of lactobacilli and bifidobacteria.](#)

International journal of food sciences and nutrition , Volume: 65 Issue: 8 2014 Dec

Authors Kassim MA,Bajinath H,Odhav B

[Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.](#)

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW,Pinchak WE,Dowd S,Dorton K,Yoon I,Min BR,Fulford JD,Wickersham TA,Malinowski DP

[Fermentable non-starch polysaccharides increases the abundance of *Bacteroides-Prevotella*-*Porphyromonas* in ileal microbial community of growing pigs.](#)

Animal : an international journal of animal bioscience , Volume: 8 Issue: 11 2014 Nov

Authors Ivarsson E,Roos S,Liu HY,Lindberg JE

[Antioxidant, antimicrobial and phytochemical variations in thirteen *Moringa oleifera* Lam. cultivars.](#)

Molecules (Basel, Switzerland) , Volume: 19 Issue: 7 2014 Jul 18

Authors Ndhlala AR,Mulaudzi R,Ncube B,Abdelgadir HA,du Plooy CP,Van Staden J

[Cereal byproducts have prebiotic potential in mice fed a high-fat diet.](#)

Journal of agricultural and food chemistry , Volume: 62 Issue: 32 2014 Aug 13

Authors Berger K,Falck P,Linninge C,Nilsson U,Axling U,Grey C,Stålbrand H,Nordberg Karlsson E,Nyman M,Holm C,Adlercreutz P

[Effect of metformin on metabolic improvement and gut microbiota.](#)

Applied and environmental microbiology , Volume: 80 Issue: 19 2014 Oct

Authors Lee H,Ko G

[Effect of oral consumption of probiotic *Lactobacillus planatarum* P-8 on fecal microbiota, SIgA, SCFAs, and TBAs of adults of different ages.](#)

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 30 Issue: 7-8 2014 Jul-Aug

Authors Wang L,Zhang J,Guo Z,Kwok L,Ma C,Zhang W,Lv Q,Huang W,Zhang H

[The effect of hydro alcoholic extract of seven plants on cariogenic bacteria—an in vitro evaluation.](#)

Oral health and dental management , Volume: 13 Issue: 2 2014 Jun

Authors Kermanshah H,Kamangar SS,Arami S,Kamalinegad M,Karimi M,Mirsalehian A,Jabalameli F,Fard MJ

Effects of probiotic *Enterococcus faecium* and *Saccharomyces cerevisiae* on the faecal microflora of pet rabbits.

The Journal of small animal practice , Volume: 55 Issue: 9 2014 Sep

Authors Benato L,Hastie P,O`Shaughnessy P,Murray JA,Meredith A

Effects of diet on gut microbiota profile and the implications for health and disease.

Bioscience of microbiota, food and health , Volume: 32 Issue: 1 2013

Authors Lee YK

Efficacy of Papacarie® in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.

Clinics (Sao Paulo, Brazil) , Volume: 69 Issue: 5 2014

Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MF

The inhibitory effect of a fermented papaya preparation on growth, hydrophobicity, and acid production of *Streptococcus mutans*, *Streptococcus mitis*, and *Lactobacillus acidophilus*: its implications in oral health improvement of diabetics.

Food science & nutrition , Volume: 1 Issue: 6 2013 Nov

Authors Somanah J,Bourdon E,Bahorun T,Aruoma OI

Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E, Van de Wiele T, Jiménez-Girón A, Muñoz-González I, Martín-Alvarez PJ, Moreno-Arribas MV, Bartolomé B, Peláez C, Martínez-Cuesta MC, Requena T

Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.

Food & function , Volume: 5 Issue: 6 2014 Jun

Authors Qiao Y, Sun J, Xia S, Tang X, Shi Y, Le G

454 pyrosequencing reveals changes in the faecal microbiota of adults consuming *Lactobacillus casei* Zhang.

FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun

Authors Zhang J, Wang L, Guo Z, Sun Z, Gesudu Q, Kwok L, Menghebilige, Zhang H

Effects of *Lactobacillus plantarum* on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.

Canadian journal of microbiology , Volume: 60 Issue: 4 2014 Apr

Authors Shen X, Yi D, Ni X, Zeng D, Jing B, Lei M, Bian Z, Zeng Y, Li T, Xin J

In Vitro Antibacterial Mechanism of Action of Crude Garlic (*Allium sativum*) Clove Extract on Selected Probiotic *Bifidobacterium* Species as Revealed by SEM, TEM, and SDS-PAGE Analysis.

Probiotics and antimicrobial proteins , Volume: 6 Issue: 2 2014 Jun

Authors Booyens J, Labuschagne MC, Thantsha MS

Effects of short-term xylitol gum chewing on the oral microbiome.

Clinical oral investigations , Volume: 19 Issue: 2 2015 Mar

Authors Söderling E, ElSalhy M, Honkala E, Fontana M, Flannagan S, Eckert G, Kokaras A, Paster B, Tolvanen M, Honkala S

A comparison of the anti-*Staphylococcus aureus* activity of extracts from commonly used medicinal plants.

Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 20 Issue: 5 2014 May

Authors Snowden R, Harrington H, Morrill K, Jeane L, Garrity J, Orian M, Lopez E, Rezaie S, Hassberger K, Familoni D, Moore J, Virdee K, Albornoz-Sanchez L, Walker M, Cavins J, Russell T, Guse E, Reker M, Tschudy O, Wolf J, True T, Ukaegbu O, Ahaghotu E, Jones A, Polanco S, Rochon Y, Waters R, Langland J

Antibacterial effect of Iranian green-tea-containing mouthrinse vs chlorhexidine 0.2%: an in vitro study.

Oral health & preventive dentistry , Volume: 12 Issue: 2 2014

Authors Ardakani MR, Golmohammadi S, Ayremlou S, Taheri S, Daneshvar S, Meimandi M

Changes chemopreventive markers in colorectal cancer development after inulin supplementation.

Bratislavske lekarske listy , Volume: 115 Issue: 2 2014

Authors Hijoja E, Szabadosova V, Strojny L, Bomba A

RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.

Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr

Authors Tannock GW, Lawley B, Munro K, Sims IM, Lee J, Butts CA, Roy N

Multi-drug resistant gram-negative enteric bacteria isolated from flies at Chengdu Airport, China.

The Southeast Asian journal of tropical medicine and public health , Volume: 44 Issue: 6 2013 Nov

Authors Liu Y, Yang Y, Zhao F, Fan X, Zhong W, Qiao D, Cao Y

A quantitative assessment of the antimicrobial activity of garlic (*Allium sativum*).

World journal of microbiology & biotechnology , Volume: 9 Issue: 3 1993 May

Authors Rees LP, Minney SF, Plummer NT, Slater JH, Skyrme DA

Selective proliferation of intestinal *Barnesiella* under fucosyllactose supplementation in mice.

The British journal of nutrition , Volume: 111 Issue: 9 2014 May

Authors Weiss GA,Chassard C,Hennet T

Comparative evaluation of the activity of plant infusions against Helicobacter pylori strains by three methods.

World journal of microbiology & biotechnology , Volume: 30 Issue: 5 2014 May

Authors Boyanova L

Xylitol affects the intestinal microbiota and metabolism of daidzein in adult male mice.

International journal of molecular sciences , Volume: 14 Issue: 12 2013 Dec 10

Authors Tamura M,Hoshi C,Hori S

Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.

Clinical nutrition (Edinburgh, Scotland) , Volume: 33 Issue: 6 2014 Dec

Authors Majid HA,Cole J,Emery PW,Whelan K

Role of probiotics in the prevention and treatment of meticillin-resistant Staphylococcus aureus infections.

International journal of antimicrobial agents , Volume: 42 Issue: 6 2013 Dec

Authors Sikorska H,Smoragiewicz W

Probiotic features of two oral Lactobacillus isolates.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1 2012 Jan

Authors Zavisic G,Petricevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I

Antimicrobial activity of essential oils against vancomycin-resistant enterococci (vre) and Escherichia coli o157:h7 in feta soft cheese and minced beef meat.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 42 Issue: 1 2011 Jan

Authors Selim S

High-fat diet alters gut microbiota physiology in mice.

The ISME journal , Volume: 8 Issue: 2 2014 Feb

Authors Daniel H,Gholami AM,Berry D,Desmarchelier C,Hahne H,Loh G,Mondot S,Lepage P,Rothballer M,Walker A,Böhm C,Wenning M,Wagner M,Blaut M,Schmitt-Kopplin P,Kuster B,Haller D,Clavel T

Chemical composition and biological activity of the essential oil from leaves of Moringa oleifera Lam. cultivated in Mozambique.

Molecules (Basel, Switzerland) , Volume: 18 Issue: 9 2013 Sep 9

Authors Marrufo T,Nazzaro F,Mancini E,Fratianni F,Coppola R,De Martino L,Agostinho AB,De Feo V

Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.

Glycobiology , Volume: 23 Issue: 11 2013 Nov

Authors Yu ZT,Chen C,Newburg DS

Kiwifruit (Actinidia deliciosa) changes intestinal microbial profile.

Microbial ecology in health and disease , Volume: 23 2012

Authors Lee YK,Low KY,Siah K,Drummond LM,Gwee KA

Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.

Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec

Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

Green tea extract as a local drug therapy on periodontitis patients with diabetes mellitus: A randomized case-control study.

Journal of Indian Society of Periodontology , Volume: 17 Issue: 2 2013 Mar

Authors Gadagi JS,Chava VK,Reddy VR

Lowbush wild blueberries have the potential to modify gut microbiota and xenobiotic metabolism in the rat colon.

PloS one , Volume: 8 Issue: 6 2013

Authors Lacombe A,Li RW,Klimis-Zacas D,Kristo AS,Tadepalli S,Krauss E,Young R,Wu VC

Intestinal microbiology in early life: specific prebiotics can have similar functionalities as human-milk oligosaccharides.

The American journal of clinical nutrition , Volume: 98 Issue: 2 2013 Aug

Authors Oozeer R,van Limpt K,Ludwig T,Ben Amor K,Martin R,Wind RD,Boehm G,Knol J

Green tea as an effective antimicrobial for urinary tract infections caused by Escherichia coli.

Frontiers in microbiology , Volume: 4 2013

Authors Reygaert W,Jusufi I

Green tea epigallocatechin-3-gallate attenuates Porphyromonas gingivalis-induced atherosclerosis.

Pathogens and disease , Volume: 67 Issue: 1 2013 Feb

Authors Cai Y,Kurita-Ochiai T,Hashizume T,Yamamoto M

Fiber and prebiotics: mechanisms and health benefits.

Nutrients , Volume: 5 Issue: 4 2013 Apr 22

Authors Slavin J

Inulin-type fructans with different degrees of polymerization improve lipid metabolism but not glucose metabolism in rats fed a high-fat diet under energy restriction.

Digestive diseases and sciences , Volume: 58 Issue: 8 2013 Aug

Authors Han KH,Tsuchihira H,Nakamura Y,Shimada K,Ohba K,Aritsuka T,Uchino H,Kikuchi H,Fukushima M

Efficacy of xylitol and fluoride mouthrinses on salivary Mutans streptococci.

Asian Pacific journal of tropical biomedicine , Volume: 1 Issue: 6 2011 Dec

Authors Arunakul M,Thaweboon B,Thaweboon S,Asvanund Y,Charoenchaikorn K

In vitro anti-Helicobacter pylori effects of medicinal mushroom extracts, with special emphasis on the Lion's Mane mushroom, Hericium erinaceus (higher Basidiomycetes).

International journal of medicinal mushrooms , Volume: 15 Issue: 2 2013

Authors Shang X,Tan Q,Liu R,Yu K,Li P,Zhao GP

Influence of coffee (Coffea arabica) and galacto-oligosaccharide consumption on intestinal microbiota and the host responses.

FEMS microbiology letters , Volume: 343 Issue: 2 2013 Jun

Authors Nakayama T,Oishi K

Antibacterial activity and mode of action of ferulic and gallic acids against pathogenic bacteria.

Microbial drug resistance (Larchmont, N.Y.) , Volume: 19 Issue: 4 2013 Aug

Authors Borges A,Ferreira C,Saavedra MJ,Simões M

Eugenol alters the integrity of cell membrane and acts against the nosocomial pathogen Proteus mirabilis.

Archives of pharmacal research , Volume: 36 Issue: 3 2013 Mar

Authors Devi KP,Sakthivel R,Nisha SA,Suganthi N,Pandian SK

Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.

FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun

Authors Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS

In vitro antimicrobial assessment of Cuban propolis extracts.

Memorias do Instituto Oswaldo Cruz , Volume: 107 Issue: 8 2012 Dec

Authors Monzote L,Cuesta-Rubio O,Campo Fernandez M,Márquez Hernandez I,Fraga J,Pérez K,Kerstens M,Maes L,Cos P

The inhibitory effect of polyphenols on human gut microbiota.

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 63 Issue: 5 2012 Oct

Authors Duda-Chodak A

AFM probing the mechanism of synergistic effects of the green tea polyphenol (-)-epigallocatechin-3-gallate (EGCG) with cefotaxime against extended-spectrum beta-lactamase (ESBL)-producing Escherichia coli.

PloS one , Volume: 7 Issue: 11 2012

Authors Cui Y,Kim SH,Kim H,Yeom J,Ko K,Park W,Park S

Synergistic effects of honey and propolis toward drug multi-resistant Staphylococcus aureus, Escherichia coli and Candida albicans isolates in single and polymicrobial cultures.

International journal of medical sciences , Volume: 9 Issue: 9 2012

Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K

In vitro fermentation of commercial a-gluco-oligosaccharide by faecal microbiota from lean and obese human subjects.

The British journal of nutrition , Volume: 109 Issue: 11 2013 Jun

Authors Sarbini SR,Kolida S,Gibson GR,Rastall RA

Gut microbiome composition is linked to whole grain-induced immunological improvements.

The ISME journal , Volume: 7 Issue: 2 2013 Feb

Authors Martínez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota.

Glycobiology , Volume: 23 Issue: 2 2013 Feb

Authors Yu ZT,Chen C,Kling DE,Liu B,McCoy JM,Merighi M,Heidtman M,Newburg DS

Chemical composition, olfactory analysis and antibacterial activity of Thymus vulgaris chemotypes geraniol, 4-thujanol/terpinen-4-ol, thymol and linalool cultivated in southern France.

Natural product communications , Volume: 7 Issue: 8 2012 Aug

Authors Schmidt E,Wanner J,Hiiferl M,Jirovets L,Buchbauer G,Gochev V,Girova T,Stoyanova A,Geissler M

Effect of xylitol on cariogenic and beneficial oral streptococci: a randomized, double-blind crossover trial.

Iranian journal of microbiology , Volume: 4 Issue: 2 2012 Jun

Authors Bahador A,Lesan S,Kashi N

Effects of xylitol mouthrinse on Streptococcus mutans.

Journal of dentistry , Volume: 40 Issue: 12 2012 Dec

Authors ElSalhy M,Sayed Zahid I,Honkala E

Effects of potato fiber and potato-resistant starch on biomarkers of colonic health in rats fed diets containing red meat.

Journal of food science , Volume: 77 Issue: 10 2012 Oct

Authors Paturi G,Nyanhanda T,Butts CA,Herath TD,Monro JA,Ansell J

Effects of green tea consumption on human fecal microbiota with special reference to Bifidobacterium species.

Microbiology and immunology , Volume: 56 Issue: 11 2012 Nov

Authors Jin JS,Touyama M,Hisada T,Benno Y

Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.

Journal of dairy science , Volume: 95 Issue: 9 2012 Sep

Authors Wang S,Zhu H,Lu C,Kang Z,Luo Y,Feng L,Lu X

The inhibitory activity of typhoid propolis against Enterococcus species.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 67 Issue: 5-6 2012 May-Jun

Authors Moncla BJ,Guevara PW,Wallace JA,Marcucci MC,Nor JE,Bretz WA

Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.

FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan

Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C

Enzyme deactivation treatments did not decrease the beneficial role of oat food in intestinal microbiota and short-chain fatty acids: an in vivo study.

Journal of the science of food and agriculture , Volume: 93 Issue: 3 2013 Feb

Authors Hu X,Xing X,Zhen H

Effect of chito-oligosaccharide on growth performance, intestinal barrier function, intestinal morphology and cecal microflora in weaned pigs.

Journal of animal science , Volume: 90 Issue: 8 2012 Aug

Authors Yang CM,Ferket PR,Hong QH,Zhou J,Cao GT,Zhou L,Chen AG

Inulin modifies the bifidobacteria population, fecal lactate concentration, and fecal pH but does not influence iron absorption in women with low iron status.

The American journal of clinical nutrition , Volume: 96 Issue: 2 2012 Aug

Authors Petry N,Egji I,Chassard C,Lacroix C,Hurrell R

Green tea increases the survival yield of Bifidobacteria in simulated gastrointestinal environment and during refrigerated conditions.

Chemistry Central journal , Volume: 6 Issue: 1 2012 Jun 22

Authors Vodnar DC,Socaciu C

Cocoa modulatory effect on rat faecal microbiota and colonic crosstalk.

Archives of biochemistry and biophysics , Volume: 527 Issue: 2 2012 Nov 15

Authors Massot-Cladera M,Pérez-Berezo T,Franch A,Castell M,Pérez-Cano FJ

Microbiota benefits after inulin and partially hydrolyzed guar gum supplementation: a randomized clinical trial in constipated women.

Nutricion hospitalaria , Volume: 27 Issue: 1 2012 Jan-Feb

Authors Linetzky Waitzberg D,Alves Pereira CC,Logullo L,Manzoni Jacintho T,Almeida D,Teixeira da Silva ML,Matos de Miranda Torrinas RS

Effects of disodium fumarate on ruminal fermentation and microbial communities in sheep fed on high-forage diets.

Animal : an international journal of animal bioscience , Volume: 6 Issue: 5 2012 May

Authors Zhou YW,McSweeney CS,Wang JK,Liu JX

Antimicrobial action of the leaf extract of moringa oleifera lam.

Ancient science of life , Volume: 14 Issue: 3 1995 Jan

Authors Pal SK,Mukherjee PK,Saha K,Pal M,Saha BP

Influence of red wine polyphenols and ethanol on the gut microbiota ecology and biochemical biomarkers.

The American journal of clinical nutrition , Volume: 95 Issue: 6 2012 Jun

Authors Queipo-Ortuño MI,Boto-Ordóñez M,Murri M,Gomez-Zumaquero JM,Clemente-Postigo M,Estruch R,Cardona Diaz F,Andrés-Lacueva C,Tinahones FJ

The antimicrobial action of chitosan, low molar mass chitosan, and chito-oligosaccharides on human colonic bacteria.

Folia microbiologica , Volume: 57 Issue: 4 2012 Jul

Authors Simunek J,Brandysová V,Koppová I,Simunek J Jr

Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal inflammation and Smad 7 cell signaling.

FEMS immunology and medical microbiology , Volume: 65 Issue: 3 2012 Aug

Authors Foye OT,Huang IF,Chiou CC,Walker WA,Shi HN

[Effect of garlic powder on the growth of commensal bacteria from the gastrointestinal tract.](#)

Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 19 Issue: 8-9 2012 Jun 15

Authors Filocamo A,Nueno-Palop C,Bisignano C,Mandalari G,Narbad A

[Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.](#)

The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr

Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM

[Changes in gut microbiota in children with atopic dermatitis administered the bacteria *Lactobacillus casei* DN-114001.](#)

Polish journal of microbiology , Volume: 60 Issue: 4 2011

Authors Klewicka E,Cukrowska B,Libudzisz Z,Slizewska K,Motyl I

[Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.](#)

The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14

Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA

[Comparison of fructooligosaccharide utilization by *Lactobacillus* and *Bacteroides* species.](#)

Bioscience, biotechnology, and biochemistry , Volume: 76 Issue: 1 2012

Authors Endo H,Tamura K,Fukasawa T,Kanegae M,Koga J

[Synthesis and characterization of chitosan and grape polyphenols stabilized palladium nanoparticles and their antibacterial activity.](#)

Colloids and surfaces. B, Biointerfaces , Volume: 92 2012 Apr 1

Authors Amarnath K,Kumar J,Reddy T,Mahesh V,Ayyappan SR,Nellore J

[Grape antioxidant dietary fiber stimulates *Lactobacillus* growth in rat cecum.](#)

Journal of food science , Volume: 77 Issue: 2 2012 Feb

Authors Pozuelo MJ,Agís-Torres A,Hervet-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I

[Antioxidant and antibacterial properties of green, black, and herbal teas of *Camellia sinensis*.](#)

Pharmacognosy research , Volume: 3 Issue: 4 2011 Oct

Authors Chan EW,Soh EY,Tie PP,Law YP

[Increasing antibiotic activity against a multidrug-resistant *Acinetobacter* spp by essential oils of *Citrus limon* and *Cinnamomum zeylanicum*.](#)

Natural product research , Volume: 26 Issue: 23 2012

Authors Guerra FQ,Mendes JM,Sousa JP,Morais-Braga MF,Santos BH,Melo Coutinho HD,Lima Ede O

[The antimicrobial activity of essential oils and extracts of some medicinal plants grown in Ash-shoubak region - South of Jordan.](#)

Pakistan journal of pharmaceutical sciences , Volume: 25 Issue: 1 2012 Jan

Authors Abu-Darwish MS,Al-Ramamneh EA,Kyslychenko VS,Karpiuk UV

[Influence of dietary blueberry and broccoli on cecal microbiota activity and colon morphology in *mdr1a*\(-/-\) mice, a model of inflammatory bowel diseases.](#)

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 28 Issue: 3 2012 Mar

Authors Paturi G,Mandimika T,Butts CA,Zhu S,Roy NC,McNabb WC,Ansell J

[Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut.](#)

Journal of agricultural and food chemistry , Volume: 59 Issue: 24 2011 Dec 28

Authors Vendrame S,Guglielmetti S,Riso P,Arioli S,Klimis-Zacas D,Porrini M

[Synergistic antimicrobial activities of natural essential oils with chitosan films.](#)

Journal of agricultural and food chemistry , Volume: 59 Issue: 23 2011 Dec 14

Authors Wang L,Liu F,Jiang Y,Chai Z,Li P,Cheng Y,Jing H,Leng X

[High-level dietary fibre up-regulates colonic fermentation and relative abundance of saccharolytic bacteria within the human faecal microbiota in vitro.](#)

European journal of nutrition , Volume: 51 Issue: 6 2012 Sep

Authors Shen Q,Zhao L,Tuohy KM

[Inhibition of growth of highly resistant bacterial and fungal pathogens by a natural product.](#)

The open microbiology journal , Volume: 5 2011

Authors Hafidh RR,Abdulmir AS,Vern LS,Abu Bakar F,Abas F,Jahanshiri F,Sekawi Z

[Effect of grape polyphenols on lactic acid bacteria and bifidobacteria growth: resistance and metabolism.](#)

Food microbiology , Volume: 28 Issue: 7 2011 Oct

Authors Tabasco R,Sánchez-Patán F,Monañas M,Bartolomé B,Victoria Moreno-Arribas M,Peláez C,Requena T

[Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and](#)

intestinal microflora.**Journal of the science of food and agriculture** , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C

Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice.**PloS one** , Volume: 6 Issue: 6 2011

Authors Neyrinck AM,Possemiers S,Druart C, Van de Wiele T,De Backer F,Cani PD,Larondelle Y,Delzenne NM

Effect of banana consumption on faecal microbiota: a randomised, controlled trial.**Anaerobe** , Volume: 17 Issue: 6 2011 Dec

Authors Mitsou EK,Kougia E,Nomikos T,Yannakoulia M,Mountzouris KC,Kyriacou A

Antimicrobial activity of plant essential oils against bacterial and fungal species involved in food poisoning and/or food decay.**Roumanian archives of microbiology and immunology** , Volume: 69 Issue: 4 2010 Oct-Dec

Authors Lixandru BE,Dracea NO,Dragomirescu CC,Dragulescu EC,Coldea IL,Anton L,Dobre E,Rovinaru C,Codita I

Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.**Pharmaceutical biology** , Volume: 49 Issue: 4 2011 Apr

Authors Özçelik B,Kartal M,Orhan I

Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.**Poultry science** , Volume: 90 Issue: 3 2011 Mar

Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A

High-throughput method for comparative analysis of denaturing gradient gel electrophoresis profiles from human fecal samples reveals significant increases in two bifidobacterial species after inulin-type prebiotic intake.**FEMS microbiology ecology** , Volume: 75 Issue: 2 2011 Feb

Authors Joossens M,Huys G, Van Steen K,Chockaert M,Vermeire S,Rutgeerts P,Verbeke K,Vandamme P,De Preter V

The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote d'Ivoire.**The American journal of clinical nutrition** , Volume: 92 Issue: 6 2010 Dec

Authors Zimmermann MB,Chassard C,Rohner F,N'goran EK,Nindjin C,Dostal A,Utzinger J,Ghattas H,Lacroix C,Hurrell RF

Effect of β -glucanase and xylanase supplementation of barley- and rye-based diets on caecal microbiota of broiler chickens.**British poultry science** , Volume: 51 Issue: 4 2010 Aug

Authors Jozefiak D,Rutkowski A,Kaczmarek S,Jensen BB,Engberg RM,Højberg O

[Functional biostructure of colonic microbiota (central fermenting area, germinal stock area and separating mucus layer) in healthy subjects and patients with diarrhea treated with Saccharomyces boulardii].**Gastroenterologie clinique et biologique** , Volume: 34 Suppl 1 2010 Sep

Authors Swidsinski A,Loening-Baucke V,Kirsch S,Doerffel Y

Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.**Food microbiology** , Volume: 27 Issue: 7 2010 Oct

Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P

In vitro evaluation of the microbiota modulation abilities of different sized whole oat grain flakes.**Anaerobe** , Volume: 16 Issue: 5 2010 Oct

Authors Connolly ML,Lovegrove JA,Tuohy KM

Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.**Journal of animal science** , Volume: 88 Issue: 9 2010 Sep

Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr

The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota.**International journal of food microbiology** , Volume: 140 Issue: 2-3 2010 Jun 15

Authors Bialonska D,Ramnani P,Kasimsetty SG,Muntha KR,Gibson GR,Ferreira D

Low levels of faecal lactobacilli in women with iron-deficiency anaemia in south India.**The British journal of nutrition** , Volume: 104 Issue: 7 2010 Oct

Authors Balamurugan R,Mary RR,Chittaranjan S,Jancy H,Shobana Devi R,Ramakrishna BS

Consumption of human milk oligosaccharides by gut-related microbes.**Journal of agricultural and food chemistry** , Volume: 58 Issue: 9 2010 May 12

Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA

Feed supplementation of Lactobacillus plantarum PCA 236 modulates gut microbiota and milk fatty acid composition in dairy goats—a preliminary study.**International journal of food microbiology** , Volume: 141 Suppl 1 2010 Jul 31

Authors Maragkoudakis PA,Mountzouris KC,Rosu C,Zoumpopoulou G,Papadimitriou K,Dalaka E,Hadjipetrou A,Theofanous G,Strozzi GP,Carlini N,Zervas G,Tsakalidou E

Effect of apple intake on fecal microbiota and metabolites in humans.

Anaerobe , Volume: 16 Issue: 5 2010 Oct

Authors Shinohara K,Ohashi Y,Kawasumi K,Terada A,Fujisawa T

[Antimicrobial properties of green tea catechins.](#)

Food science and technology bulletin , Volume: 2 2005

Authors Taylor PW,Hamilton-Miller JM,Stapleton PD

[Human gut bacterial communities are altered by addition of cruciferous vegetables to a controlled fruit- and vegetable-free diet.](#)

The Journal of nutrition , Volume: 139 Issue: 9 2009 Sep

Authors Li F,Hullar MA,Schwarz Y,Lampe JW

[Characterization and antimicrobial spectrum of bacteriocins produced by lactic acid bacteria isolated from traditional Bulgarian dairy products.](#)

Journal of applied microbiology , Volume: 106 Issue: 2 2009 Feb

Authors Simova ED,Beshkova DB,Dimitrov ZhP

[In vitro effects of selected synbiotics on the human faecal microbiota composition.](#)

FEMS microbiology ecology , Volume: 66 Issue: 3 2008 Dec

Authors Saulnier DM,Gibson GR,Kolida S

[Therapeutic potential of two probiotics in inflammatory bowel disease as observed in the trinitrobenzene sulfonic acid model of colitis.](#)

Diseases of the colon and rectum , Volume: 51 Issue: 12 2008 Dec

Authors Amit-Romach E,Uni Z,Reifen R

[Effect of thymol on microbial diversity in the porcine jejunum.](#)

International journal of food microbiology , Volume: 126 Issue: 1-2 2008 Aug 15

Authors Janczyk P,Trevisi P,Souffrant WB,Bosi P

[Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.](#)

Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug

Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG

[A study of chemical composition and antimicrobial activity of Bulgarian propolis.](#)

Folia medica , Volume: 49 Issue: 3-4 2007

Authors Gardjeva PA,Dimitrova SZ,Kostadinov ID,Murdjeva MA,Peyche LP,Lukanov LK,Stanimirova IV,Alexandrov AS

[In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.](#)

FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun

Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA

[Bioactive properties and chemical composition of six walnut \(*Juglans regia* L.\) cultivars.](#)

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 46 Issue: 6 2008 Jun

Authors Pereira JA,Oliveira I,Sousa A,Ferreira IC,Bento A,Estevinho L

[Baseline microbiota activity and initial bifidobacteria counts influence responses to prebiotic dosing in healthy subjects.](#)

Alimentary pharmacology & therapeutics , Volume: 27 Issue: 6 2008 Mar 15

Authors de Preter V,Vanhoutte T,Huys G,Swings J,Rutgeerts P,Verbeke K

[Inhibitory activity of garlic \(*Allium sativum*\) extract on multidrug-resistant *Streptococcus mutans*.](#)

Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 25 Issue: 4 2007 Oct-Dec

Authors Fani MM,Kohanteb J,Dayaghi M

[Inhibitory effect of Gram-negative and Gram-positive microorganisms against *Helicobacter pylori* clinical isolates.](#)

The Journal of antimicrobial chemotherapy , Volume: 61 Issue: 1 2008 Jan

Authors López-Brea M,Alarcón T,Domingo D,Díaz-Regañón J

[Whole-grain wheat breakfast cereal has a prebiotic effect on the human gut microbiota: a double-blind, placebo-controlled, crossover study.](#)

The British journal of nutrition , Volume: 99 Issue: 1 2008 Jan

Authors Costabile A,Klinder A,Fava F,Napolitano A,Fogliano V,Leonard C,Gibson GR,Tuohy KM

[Brazilian green propolis on *Helicobacter pylori* infection. a pilot clinical study.](#)

Helicobacter , Volume: 12 Issue: 5 2007 Oct

Authors Coelho LG,Bastos EM,Resende CC,Paula e Silva CM,Sanches BS,de Castro FJ,Moretzsohn LD,Vieira WL,Trindade OR

[The antibacterial activity of plant extracts containing polyphenols against *Streptococcus mutans*.](#)

Caries research , Volume: 41 Issue: 5 2007

Authors Smullen J,Koutsou GA,Foster HA,Zumbé A,Storey DM

[Evaluation of fermentable oligosaccharides in diets fed to dogs in comparison to fiber standards.](#)

Journal of animal science , Volume: 85 Issue: 11 2007 Nov

Authors Middelbos IS, Fastinger ND, Fahey GC Jr

Antimicrobial activity against gram negative bacilli from Yaounde Central Hospital, Cameroon.

African health sciences , Volume: 6 Issue: 4 2006 Dec

Authors Gangoue-Pieboji J, Koulla-Shiro S, Ngassam P, Adiogo D, Ndumbe P

Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.

Journal of agricultural and food chemistry , Volume: 55 Issue: 11 2007 May 30

Authors López P, Sanchez C, Batlle R, Nerín C

Jerusalem artichoke and chicory inulin in bakery products affect faecal microbiota of healthy volunteers.

The British journal of nutrition , Volume: 98 Issue: 3 2007 Sep

Authors Kleessen B, Schwarz S, Boehm A, Fuhrmann H, Richter A, Henle T, Krueger M

Final report on the safety assessment of capsicum annuum extract, capsicum annuum fruit extract, capsicum annuum resin, capsicum annuum fruit powder, capsicum frutescens fruit, capsicum frutescens fruit extract, capsicum frutescens resin, and capsaicin.

International journal of toxicology , Volume: 26 Suppl 1 2007

Authors

Impact of consumption of different levels of Bifidobacterium lactis HN019 on the intestinal microflora of elderly human subjects.

The journal of nutrition, health & aging , Volume: 11 Issue: 1 2007 Jan-Feb

Authors Ahmed M, Prasad J, Gill H, Stevenson L, Gopal P

Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.

Asia Pacific journal of clinical nutrition , Volume: 16 Issue: 1 2007

Authors Kim SH, Lee DH, Meyer D

Physiological effects of extraction juices from apple, grape, and red beet pomaces in rats.

Journal of agricultural and food chemistry , Volume: 54 Issue: 26 2006 Dec 27

Authors Sembries S, Dongowski G, Mehrländer K, Will F, Dietrich H

Effects of Bifidobacterium lactis Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.

Journal of clinical microbiology , Volume: 44 Issue: 11 2006 Nov

Authors Mohan R, Koebnick C, Schildt J, Schmidt S, Mueller M, Possner M, Radke M, Blaut M

Molecular monitoring of the fecal microbiota of healthy human subjects during administration of lactulose and Saccharomyces boulardii.

Applied and environmental microbiology , Volume: 72 Issue: 9 2006 Sep

Authors Vanhoutte T, De Preter V, De Brandt E, Verbeke K, Swings J, Huys G

In vitro activity of Bulgarian propolis against 94 clinical isolates of anaerobic bacteria.

Anaerobe , Volume: 12 Issue: 4 2006 Aug

Authors Boyanova L, Kolarov R, Gergova G, Mitov I

Susceptibility of Prevotella intermedia/Prevotella nigrescens (and Porphyromonas gingivalis) to propolis (bee glue) and other antimicrobial agents.

Anaerobe , Volume: 8 Issue: 1 2002 Feb

Authors Santos FA, Bastos EM, Rodrigues PH, de Uzeda M, de Carvalho MA, Farias Lde M, Moreira ES

Bioassay-guided purification and identification of antimicrobial components in Chinese green tea extract.

Journal of chromatography. A , Volume: 1125 Issue: 2 2006 Sep 1

Authors Si W, Gong J, Tsao R, Kalab M, Yang R, Yin Y

Antagonistic activity of probiotic lactobacilli and bifidobacteria against entero- and uropathogens.

Journal of applied microbiology , Volume: 100 Issue: 6 2006 Jun

Authors Hütt P, Shchepetova J, Löivukene K, Kullisaar T, Mikelsaar M

Antimicrobial and antiplasmid activities of essential oils.

Fitoterapia , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z, Molnar J, Hohmann J

Rheumatoid arthritis is an autoimmune disease triggered by Proteus urinary tract infection.

Clinical & developmental immunology , Volume: 13 Issue: 1 2006 Mar

Authors Ebringer A, Rashid T

[Inhibitory effect of green tea polyphenols varnish on oral main cariogenic bacteria.]

Shanghai kou qiang yi xue = Shanghai journal of stomatology , Volume: 4 Issue: 4 1995 Dec

Authors Liu YL, Feng XP, Zhu M

Preparation and antimicrobial activity of gelatin microparticles containing propolis against oral pathogens.

Drug development and industrial pharmacy , Volume: 32 Issue: 2 2006 Feb

Authors Bruschi ML,Lara EH,Martins CH,Vinholis AH,Casemiro LA,Panzeri H,Gremião MP

Effects of combining extracts (from propolis or Zingiber officinale) with clarithromycin on Helicobacter pylori.

Phytotherapy research : PTR , Volume: 20 Issue: 3 2006 Mar

Authors Nostro A,Cellini L,Di Bartolomeo S,Cannatelli MA,Di Campi E,Procopio F,Grande R,Marzio L,Alonzo V

Dietary glycine concentration affects intestinal Clostridium perfringens and lactobacilli populations in broiler chickens.

Poultry science , Volume: 84 Issue: 12 2005 Dec

Authors Dahiya JP,Hoehler D,Wilkie DC,Van Kessel AG,Drew MD

Red wine polyphenols influence carcinogenesis, intestinal microflora, oxidative damage and gene expression profiles of colonic mucosa in F344 rats.

Mutation research , Volume: 591 Issue: 1-2 2005 Dec 11

Authors Dolara P,Luceri C,De Filippo C,Femia AP,Giovannelli L,Caderni G,Cecchini C,Silvi S,Orpianesi C,Cresci A

Intestinal microbiota of patients with bacterial infection of the respiratory tract treated with amoxicillin.

The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 9 Issue: 4 2005 Aug

Authors Monreal MT,Pereira PC,de Magalhães Lopes CA

Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.

Acta paediatrica (Oslo, Norway : 1992). Supplement , Volume: 94 Issue: 449 2005 Oct

Authors Knol J,Boehm G,Lidestri M,Negretti F,Jelinek J,Agosti M,Stahl B,Marini A,Mosca F

Synergistic antimicrobial activity of tea & antibiotics.

The Indian journal of medical research , Volume: 122 Issue: 1 2005 Jul

Authors Tiwari TP,Bharti SK,Kaur HD,Dikshit RP,Hoondal GS

The influence of a novel propolis on mutans streptococci biofilms and caries development in rats.

Archives of oral biology , Volume: 51 Issue: 1 2006 Jan

Authors Duarte S,Rosalen PL,Hayacibara MF,Cury JA,Bowen WH,Marquis RE,Rehder VL,Sartoratto A,Ikegaki M,Koo H

Antibacterial effect of plant extracts against Helicobacter pylori.

Phytotherapy research : PTR , Volume: 19 Issue: 3 2005 Mar

Authors Nostro A,Cellini L,Di Bartolomeo S,Di Campi E,Grande R,Cannatelli MA,Marzio L,Alonzo V

In vitro and in vivo effects of isolated fractions of Brazilian propolis on caries development.

Journal of ethnopharmacology , Volume: 101 Issue: 1-3 2005 Oct 3

Authors Hayacibara MF,Koo H,Rosalen PL,Duarte S,Franco EM,Bowen WH,Ikegaki M,Cury JA

Chemical compositions and antimicrobial activities of four different Anatolian propolis samples.

Microbiological research , Volume: 160 Issue: 2 2005

Authors Uzel A,Sorkun K,Onçag O,Cogulu D,Gençay O,Salih B

Chemical composition and antibacterial activity of propolis collected by three different races of honeybees in the same region.

Journal of ethnopharmacology , Volume: 99 Issue: 1 2005 May 13

Authors Silici S,Kutluca S

Activity of Bulgarian propolis against 94 Helicobacter pylori strains in vitro by agar-well diffusion, agar dilution and disc diffusion methods.

Journal of medical microbiology , Volume: 54 Issue: Pt 5 2005 May

Authors Boyanova L,Gergova G,Nikolov R,Derejian S,Lazarova E,Katsarov N,Mitov I,Krastev Z

[Antimicrobial properties of bee preparations in ointment form].

Mikrobiolohichnyi zhurnal (Kiev, Ukraine : 1993) , Volume: 66 Issue: 6 2004 Nov-Dec

Authors Postoienko VO,Senchuhova NA,Postoienko OM,Patyka VP

Propolis extract as an adjuvant to periodontal treatment.

Oral health & preventive dentistry , Volume: 1 Issue: 1 2003

Authors Gebaraa EC,Pustiglioni AN,de Lima LA,Mayer MP

Microbiological effects of consuming a synbiotic containing Bifidobacterium bifidum, Bifidobacterium lactis, and oligofructose in elderly persons, determined by real-time polymerase chain reaction and counting of viable bacteria.

Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 40 Issue: 1 2005 Jan 1

Authors Bartosch S,Woodmansey EJ,Paterson JC,McMurdo ME,Macfarlane GT

Comparative evaluation of in-vitro effects of Brazilian green propolis and Baccharis dracunculifolia extracts on cariogenic factors of Streptococcus mutans.

Biological & pharmaceutical bulletin , Volume: 27 Issue: 11 2004 Nov

Authors Leitão DP,Filho AA,Polizello AC,Bastos JK,Spadaro AC

Contribution of acetate to butyrate formation by human faecal bacteria.

The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun

Authors Duncan SH,Holtrop G,Lobley GE,Calder AG,Stewart CS,Flint HJ

Antimicrobial susceptibility of the pathogens of bacteraemia in the UK and Ireland 2001-2002: the BSAC Bacteraemia Resistance Surveillance Programme.

The Journal of antimicrobial chemotherapy , Volume: 53 Issue: 6 2004 Jun

Authors Reynolds R,Potz N,Colman M,Williams A,Livermore D,MacGowan A,BSAC Extended Working Party on Bacteraemia Resistance Surveillance.

Lactulose ingestion increases faecal bifidobacterial counts: a randomised double-blind study in healthy humans.

European journal of clinical nutrition , Volume: 58 Issue: 3 2004 Mar

Authors Bouhnik Y,Attar A,Joly FA,Riottot M,Dyrd F,Flourié B

Antimicrobial activity of extracts of local cough mixtures on upper respiratory tract bacterial pathogens.

The West Indian medical journal , Volume: 52 Issue: 3 2003 Sep

Authors Adeleye IA,Opiah L

Glycolytic breakdown of sulfoquinovose in bacteria: a missing link in the sulfur cycle.

Applied and environmental microbiology , Volume: 69 Issue: 11 2003 Nov

Authors Roy AB,Hewlins MJ,Ellis AJ,Harwood JL,White GF

Enteral feeding of premature infants with *Saccharomyces boulardii*.

Early human development , Volume: 74 Issue: 2 2003 Nov

Authors Costalos C,Skouteri V,Gounaris A,Sevastiadou S,Triandafillidou A,Ekonomidou C,Kontaxaki F,Petrochilou V

Resveratrol and red wine extracts inhibit the growth of CagA+ strains of *Helicobacter pylori* in vitro.

The American journal of gastroenterology , Volume: 98 Issue: 6 2003 Jun

Authors Mahady GB,Pendland SL,Chadwick LR

Effect of a novel type of propolis and its chemical fractions on glucosyltransferases and on growth and adherence of mutans streptococci.

Biological & pharmaceutical bulletin , Volume: 26 Issue: 4 2003 Apr

Authors Duarte S,Koo H,Bowen WH,Hayacibara MF,Cury JA,Ikegaki M,Rosalen PL

Brazilian propolis: physicochemical properties, plant origin and antibacterial activity on periodontopathogens.

Phytotherapy research : PTR , Volume: 17 Issue: 3 2003 Mar

Authors Santos FA,Bastos EM,Maia AB,Uzeda M,Carvalho MA,Farias LM,Moreira ES

Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.

The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec

Authors Dongowski G,Huth M,Gebhardt E,Flamme W

Bactericidal activities of plant essential oils and some of their isolated constituents against *Campylobacter jejuni*, *Escherichia coli*, *Listeria monocytogenes*, and *Salmonella enterica*.

Journal of food protection , Volume: 65 Issue: 10 2002 Oct

Authors Friedman M,Henika PR,Mandrell RE

Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.

Applied and environmental microbiology , Volume: 68 Issue: 10 2002 Oct

Authors Apajalahti JH,Kettunen H,Kettunen A,Holben WE,Nurminen PH,Rautonen N,Mutanen M

Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.

The British journal of nutrition , Volume: 88 Suppl 1 2002 Sep

Authors Bomba A,Nemcová R,Gancarcíková S,Herich R,Guba P,Mudronová D

Aberrant composition of gut microbiota of allergic infants: a target of bifidobacterial therapy at weaning?

Gut , Volume: 51 Issue: 1 2002 Jul

Authors Kirjavainen PV,Arvola T,Salminen SJ,Isolauri E

How xylitol-containing products affect cariogenic bacteria.

Journal of the American Dental Association (1939) , Volume: 133 Issue: 4 2002 Apr

Authors Roberts MC,Riedy CA,Coldwell SE,Nagahama S,Judge K,Lam M,Kaakko T,Castillo JL,Milgrom P

Effects of compounds found in propolis on *Streptococcus mutans* growth and on glucosyltransferase activity.

Antimicrobial agents and chemotherapy , Volume: 46 Issue: 5 2002 May

Authors Koo H,Rosalen PL,Cury JA,Park YK,Bowen WH

Screening of the antibacterial effects of a variety of essential oils on respiratory tract pathogens, using a modified dilution assay method.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 7 Issue: 4 2001 Dec

Authors Inouye S,Yamaguchi H,Takizawa T

Prebiotic treatment of experimental colitis with germinated barley foodstuff: a comparison with probiotic or antibiotic treatment.

International journal of molecular medicine , Volume: 9 Issue: 1 2002 Jan

Authors Fukuda M,Kanauchi O,Araki Y,Andoh A,Mitsuyama K,Takagi K,Toyonaga A,Sata M,Fujiyama Y,Fukuoka M,Matsumoto Y,Bamba T

Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.

The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug

Authors Kleessen B,Hartmann L,Blaut M

Enrichment of bifidobacteria in the hen caeca by dietary inulin.

Folia microbiologica , Volume: 46 Issue: 1 2001

Authors Rada V,Dusková D,Marounek M,Petr J

Suppressive effects of bifidobacteria on lipid peroxidation in the colonic mucosa of iron-overloaded mice.

Journal of dairy science , Volume: 84 Issue: 7 2001 Jul

Authors Ito M,Sawada H,Ohishi K,Yoshida Y,Yokoi W,Watanabe T,Yokokura T

In vitro activity of garlic oil and four diallyl sulphides against antibiotic-resistant *Pseudomonas aeruginosa* and *Klebsiella pneumoniae*.

The Journal of antimicrobial chemotherapy , Volume: 47 Issue: 5 2001 May

Authors Tsao S,Yin M

Probiotic activities of *Lactobacillus casei rhamnosus*: in vitro adherence to intestinal cells and antimicrobial properties.

Research in microbiology , Volume: 152 Issue: 2 2001 Mar

Authors Forestier C,De Champs C,Vatoux C,Joly B

Egyptian propolis: 1-antimicrobial activity and chemical composition of Upper Egypt propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 56 Issue: 1-2 2001 Jan-Feb

Authors Hegazi AG,El Hady FK

[Effect of sodium fluoride mouth rinses containing xylitol and sorbitol on the number of *Streptococcus mutans* from human saliva].

Revista panamericana de salud publica = Pan American journal of public health , Volume: 9 Issue: 1 2001 Jan

Authors Gonçalves NC,Valsecki Júnior A,Salvador SL,Bergamo GC

Phenolic compounds from Brazilian propolis with pharmacological activities.

Journal of ethnopharmacology , Volume: 74 Issue: 2 2001 Feb

Authors Marcucci MC,Ferreres F,García-Viguera C,Bankova VS,De Castro SL,Dantas AP,Valente PH,Paulino N

Study on propolis quality from China and Uruguay.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 9-10 2000 Sep-Oct

Authors Serra Bonvehí J,Ventura Coll F

Seasonal effect on Brazilian propolis antibacterial activity.

Journal of ethnopharmacology , Volume: 73 Issue: 1-2 2000 Nov

Authors Sforcin JM,Fernandes A Jr,Lopes CA,Bankova V,Funari SR

Saccharomyces boulardii stimulates sIgA production and the phagocytic system of gnotobiotic mice.

Journal of applied microbiology , Volume: 89 Issue: 3 2000 Sep

Authors Rodrigues AC,Cara DC,Fretez SH,Cunha FQ,Vieira EC,Nicoli JR,Vieira LQ

Effect of a new variety of *Apis mellifera* propolis on mutants *Streptococci*.

Current microbiology , Volume: 41 Issue: 3 2000 Sep

Authors Koo H,Rosalen PL,Cury JA,Ambrosano GM,Murata RM,Yatsuda R,Ikegaki M,Alencar SM,Park YK

Screening of some Palestinian medicinal plants for antibacterial activity.

Journal of ethnopharmacology , Volume: 70 Issue: 3 2000 Jun

Authors Essawi T,Srouf M

Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.

Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May

Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG

Chemical composition and antimicrobial activity of European propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 1-2 2000 Jan-Feb

Authors Hegazi AG,Abd El Hady FK,Abd Allah FA

Antibacterial activity of garlic powder against *Escherichia coli* O-157.

Journal of nutritional science and vitaminology , Volume: 45 Issue: 6 1999 Dec

Authors Sasaki J,Kita T,Ishita K,Uchisawa H,Matsue H

Antimicrobial activity of essential oils and other plant extracts.

Journal of applied microbiology , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA,Carson CF,Riley TV

Increased growth of Bifidobacterium and Eubacterium by germinated barley foodstuff, accompanied by enhanced butyrate production in healthy volunteers.

International journal of molecular medicine , Volume: 3 Issue: 2 1999 Feb

Authors Kanauchi O,Fujiyama Y,Mitsuyama K,Araki Y,Ishii T,Nakamura T,Hitomi Y,Agata K,Saiki T,Andoh A,Toyonaga A,Bamba T

The effect of consumption of milk fermented by Lactobacillus casei strain Shirota on the intestinal microflora and immune parameters in humans.

European journal of clinical nutrition , Volume: 52 Issue: 12 1998 Dec

Authors Spanhaak S,Havenaar R,Schaafsma G

Microbiological examinations and in-vitro testing of different antibiotics in therapeutic endoscopy of the biliary system.

Endoscopy , Volume: 30 Issue: 8 1998 Oct

Authors Lorenz R,Herrmann M,Kassem AM,Lehn N,Neuhaus H,Classen M

Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.

Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct

Authors Sghir A,Chow JM,Mackie RI

The colonization of a simulator of the human intestinal microbial ecosystem by a probiotic strain fed on a fermented oat bran product: effects on the gastrointestinal microbiota.

Applied microbiology and biotechnology , Volume: 50 Issue: 2 1998 Aug

Authors Kontula P,Jaskari J,Nollet L,De Smet I,von Wright A,Poutanen K,Mattila-Sandholm T

Antibacterial effect of propolis and honey on oral bacteria.

American journal of dentistry , Volume: 9 Issue: 6 1996 Dec

Authors Steinberg D,Kaine G,Gedalia I

Antimicrobial activity of propolis on oral microorganisms.

Current microbiology , Volume: 36 Issue: 1 1998 Jan

Authors Park YK,Koo MH,Abreu JA,Ikegaki M,Cury JA,Rosalen PL

Health benefits of non-digestible oligosaccharides.

Advances in experimental medicine and biology , Volume: 427 1997

Authors Roberfroid MB

Bromelain prevents secretion caused by Vibrio cholerae and Escherichia coli enterotoxins in rabbit ileum in vitro.

Gastroenterology , Volume: 113 Issue: 1 1997 Jul

Authors Mynott TL,Guandalini S,Raimondi F,Fasano A

Effects of lactulose and lactitol on colonic microflora and enzymatic activity.

Scandinavian journal of gastroenterology. Supplement , Volume: 222 1997

Authors Ballongue J,Schumann C,Quignon P

Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.

The American journal of clinical nutrition , Volume: 65 Issue: 5 1997 May

Authors Kleessen B,Sykura B,Zunft HJ,Blaut M

Cefuroxime compared to amoxicillin-clavulanic acid in the treatment of community-acquired pneumonia.

Singapore medical journal , Volume: 37 Issue: 3 1996 Jun

Authors Oh HM,Ng AW,Lee SK

In vitro evaluation of activities of nitazoxanide and tizoxanide against anaerobes and aerobic organisms.

Antimicrobial agents and chemotherapy , Volume: 40 Issue: 10 1996 Oct

Authors Dubreuil L,Houcke I,Mouton Y,Rosignol JF

Inhibition of adhesion of Clostridium difficile to Caco-2 cells.

FEMS immunology and medical microbiology , Volume: 14 Issue: 4 1996 Jul

Authors Naaber P,Lehto E,Salminen S,Mikelsaar M

Inhibitory effect of spices on in vitro histamine production and histidine decarboxylase activity of Morganella morganii and on the biogenic amine formation in mackerel stored at 30 degrees C.

Zeitschrift fur Lebensmittel-Untersuchung und -Forschung , Volume: 203 Issue: 1 1996 Jul

Authors Shakila RJ,Vasundhara TS,Rao DV

Antimicrobial compounds from Lactobacillus casei and Lactobacillus helveticus.

The new microbiologica , Volume: 16 Issue: 2 1993 Apr

Authors Vescovo M,Scolari GL,Caravaggi L,Bottazzi V

Antimicrobial and antioxidant activities of unripe papaya.

Life sciences , Volume: 53 Issue: 17 1993

Authors Osato JA,Santiago LA,Remo GM,Cuadra MS,Mori A

Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture.

FEMS microbiology letters , Volume: 118 Issue: 1-2 1994 May 1

Authors Gibson GR,Wang X

[Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin.](#)

Gastroenterology , Volume: 108 Issue: 4 1995 Apr

Authors Gibson GR,Beatty ER,Wang X,Cummings JH

[The fermentation of lactulose by colonic bacteria.](#)

Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS,Bramley PM,Menzies IS

[Influence of diets low in protein or lysine on the cecal flora of rats with reference to cecal contents.](#)

Journal of nutritional science and vitaminology , Volume: 29 Issue: 5 1983 Oct

Authors Takahashi M,Kametaka M,Mitsuoka T

[Gut microflora interactions with xylitol in the mouse, rat and man.](#)

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 23 Issue: 11 1985 Nov

Authors Salminen S,Salminen E,Koivistoinen P,Bridges J,Marks V

[Prevention of Clostridium difficile induced mortality in gnotobiotic mice by Saccharomyces boulardii.](#)

Canadian journal of microbiology , Volume: 32 Issue: 11 1986 Nov

Authors Corthier G,Dubos F,Ducluzeau R

[Anti-Bacteroides fragilis substance from rhubarb.](#)

Journal of ethnopharmacology , Volume: 19 Issue: 3 1987 May

Authors Cyong J,Matsumoto T,Arakawa K,Kiyohara H,Yamada H,Otsuka Y

[Suppression by Saccharomyces boulardii of toxigenic Clostridium difficile overgrowth after vancomycin treatment in hamsters.](#)

Antimicrobial agents and chemotherapy , Volume: 31 Issue: 1 1987 Jan

Authors Elmer GW,McFarland LV

[Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.](#)

The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar

Authors Slade AP,Wyatt GM,Bayliss CE,Waites WM

[Treatment of recurrent Clostridium difficile colitis with vancomycin and Saccharomyces boulardii.](#)

The American journal of gastroenterology , Volume: 84 Issue: 10 1989 Oct

Authors Surawicz CM,McFarland LV,Elmer G,Chinn J

[\[Antibacterial and bactericidal activities of Japanese green tea\].](#)

Nihon saikingaku zasshi. Japanese journal of bacteriology , Volume: 44 Issue: 4 1989 Jul

Authors Toda M,Okubo S,Ohnishi R,Shimamura T

[Prevention of further recurrences of Clostridium difficile colitis with Saccharomyces boulardii.](#)

Digestive diseases and sciences , Volume: 35 Issue: 7 1990 Jul

Authors Kimmey MB,Elmer GW,Surawicz CM,McFarland LV

[Prevention of Clostridium difficile-induced experimental pseudomembranous colitis by Saccharomyces boulardii: a scanning electron microscopic and microbiological study.](#)

Journal of general microbiology , Volume: 136 Issue: 6 1990 Jun

Authors Castex F,Corthier G,Jouvert S,Elmer GW,Lucas F,Bastide M

[Diet and faecal flora in the newborn: iron.](#)

Archives of disease in childhood , Volume: 66 Issue: 12 1991 Dec

Authors Balmer SE,Wharton BA

[Immunomodulatory action of propolis: IV. Prophylactic activity against gram-negative infections and adjuvant effect of the water-soluble derivative.](#)

Vaccine , Volume: 10 Issue: 12 1992

Authors Dimov V,Ivanovska N,Bankova V,Popov S

[\[Protective activity of tea and catechins against Bordetella pertussis\].](#)

Kansenshogaku zasshi. The Journal of the Japanese Association for Infectious Diseases , Volume: 66 Issue: 5 1992 May

Authors Horiuchi Y,Toda M,Okubo S,Hara Y,Shimamura T

[Bacterial endocarditis on a prosthetic valve. Oral treatment with amoxicillin.](#)

Chest , Volume: 74 Issue: 2 1978 Aug

Authors Lidji M,Rubinstein E,Samra H

[Additional sources and private correspondance](#)

Private Correspondance , Volume: 1 Issue: 2018

[Infectious Disease and Antibmicrobial Agents](#)

antimicrobe: Infectious Disease and Antibmicrobial Agents , Volume:

Authors E-Sun Technologies

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Biofilm

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)

Carcinoma

cdkl5 deficiency disorder

Celiac Disease

Cerebral Palsy

Chronic Fatigue Syndrome

Chronic Kidney Disease

Chronic Lyme

Chronic Obstructive Pulmonary Disease (COPD)

Chronic Urticaria (Hives)

Coagulation / Micro clot triggering bacteria

Cognitive Function

Colorectal Cancer

Constipation

Coronary artery disease

COVID-19

Crohn's Disease

Cushing's Syndrome (hypercortisolism)

cystic fibrosis

d-lactic acidosis (one form of brain fog)

deep vein thrombosis

Denture Wearers Oral Shifts

Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
liver fibrosis
Long COVID
Low bone mineral density
Lung Cancer
Lymphoma
Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain

Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing
Vitiligo