

Microbiome Information for: Amyotrophic lateral sclerosis (ALS) Motor Neuron

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/>)

Thome (<https://www.thome.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 Amyotrophic lateral sclerosis (ALS) Motor Neuron

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
Bacteroidia	class	High	200643	Fusarium	genus	High	5506
Hungateiclostridiaceae	family	High	2304686	Intestinimonas	genus	High	1392389
Lachnospiraceae	family	Low	186803	Kineothrix	genus	High	2163168
Porphyromonadaceae	family	High	171551	Lactobacillus	genus	High	1578
Prevotellaceae	family	High	171552	Malassezia	genus	High	55193
Ruminococcaceae	family	High	541000	Mannheimia	genus	High	75984
Streptococcaceae	family	High	1300	Megamonas	genus	Low	158846
Succinivibrionaceae	family	Low	83763	Odoribacter	genus	High	283168
Veillonellaceae	family	Low	31977	Oscillibacter	genus	High	459786
Akkermansia	genus	High	239934	Parasutterella	genus	Low	577310
Anaerostipes	genus	High	207244	Peptostreptococcus	genus	Low	1257
Anaerotruncus	genus	High	244127	Pseudoflavonifractor	genus	High	1017280
Bacteroides	genus	High	816	Roseburia	genus	Low	841
Bifidobacterium	genus	High	1678	Ruminiclostridium	genus	High	1508657
Butyrivibrio	genus	High	830	Ruminococcus	genus	Low	1263
Candida	genus	High	5475	Shigella	genus	High	620
Citrobacter	genus	High	544	Sporobacter	genus	High	44748
Coprococcus	genus	High	33042	Candidatus Gastranaerophilales	order	High	1906119
Cryptococcus	genus	High	5206	Akkermansia muciniphila	species	High	239935
Desulfovibrio	genus	Low	872	Bacteroides fragilis	species	High	817
Dorea	genus	High	189330	Butyrivibrio fibrisolvens	species	Low	831
Eisenbergiella	genus	High	1432051	Cronobacter sakazakii	species	High	28141
Escherichia	genus	High	561	Escherichia coli	species	Low	562
Eubacterium	genus	Low	1730	Faecalibacterium prausnitzii	species	High	853
Faecalibacterium	genus	Low	216851	Lachnospira eligens	species	High	39485

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

Abstention from eating {Fasting}

dietary fiber

Fiber, total dietary

fructo-oligosaccharides 15 gram/day

fruit

fruit/legume fibre

High-fibre diet {Whole food diet}

Hordeum vulgare {Barley} 60 gram/day

Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2

gram/day

Lactobacillus plantarum {L. plantarum} 60 BCFU/day

oligosaccharides {oligosaccharides}

pectin {pectin}

polyphenols 3 gram/day

Slow digestible carbohydrates. {Low Glycemic}

β-glucan {Beta-Glucan} 500 mg/day

whole-grain diet

Retail Probiotics

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

theramedix / probiotic
 nature's way (au) / restore probiotic bowel & colon health 30s
 jarrow formulas / bifidus balance® + fos
 Global Healing Center / FloraTrex
 jarrow formula / ideal bowel support® Ip299v®
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)
 Physician Choice / 60 Billion Probiotics
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 SuperSmart / Probio Forte
 organic 3 / gutpro
 goodbelly drink
 Ombre / Heart Health
 Symprove™
 seed / female version
 jarrow formulas / jarro-dophilus® ultra
 custom probiotics / six strain probiotic powder
 ImmuneBiotech Medical Sweden AB / GutMagnific®
 UltraFlora® Intensive Care
 OMNI-BIOTIC®/ TRAVEL
 nature's way (au) / restore probiotic 30 billion 30s
 organic 3 / primal gut
 Floradapt Cardio
 Physis / Advance Probiotics
 blackmore (au) / probiotics+ daily health
 Dr. Mercola / Complete Probiotics
 Garden of Life / Dr. Formulated Once Daily Women's
 vinco / probiotic eight 65
 Purica Probiotic Cardio
 hyperbiotics / pro-15
 nature's way (au) / restore probiotic 100 billion
 seed / male version
 solaray / microbiome probiotic colon formula
 Maple Life Science™ / Lactobacillus plantarum
 lifted naturals / mood boosting probiotic
 bioglan bio (au) / happy probiotic 50
 HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL
 biospec / probiotic-5
 HMF Metabolic
 blackmores (au) / probiotics+ immune defence
 CustomProbiotics.com / L. Plantarum Probiotic Powder
 Ombre / Healthy Gut
 ISCON Elegance/ Ochek Capsule 10
 1 md / complete probiotics platinum
 UltraFlora® Immune Booster
 Nutrition Essentials / Probiotic (900 BCFU)
 OMNI-BIOTIC®/ 10 AAD
 up4 / women's
 young living/life 9
 Bromatech (IT) / Adomelle
 nature's bounty / probioti 10
 optibac / bifidobacteria & fibre
 SuperSmart / Derma Relief
 fairvital / microflora basic

Wakunaga / Max Probiotic
MegaFood / MegaFlora
Invivo / Bio.Me Femme UT
NaturalPharma / Profit Probiotics
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
Next Generation
Northwest Natural Products / PB8
Realdose
Nature's Lab Intensive GI
SuperSmart / Lactoxira
douglas laboratories / multi probiotic 40 billion
Ombre / Mood Enhancer
up4 / adult
Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
ProbioMax® Daily DF
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)
Floradapt Gut Comfort
bioglan bio (au) / happy probiotic 100
Immune Defense Daily Chewable Probiotic
fürstenmed / lacto-bifido
Swiss BioEnergetics / Full Spectrum Probiotic Defence
probiotic pur (de) / realdose nutrition
visbiome
garden of life / primal defense
Bulk Probiotics / L. Plantarum Probiotic Powder
spain (es) / I3.1
renew life men's probiotic - ultimate
ferring / vsl#3
Resbiotic / resB® Lung Support
SuperSmart / Full Spectrum Probiotic Formula
jarrow formulas / jarro-dophilus eps
naturopathica (au) / gastrohealth fibrepro
blackmore (au) / probiotics+ eczema relief
7 AM Ultra Probiotics
quantum wellness / restora flora
Seeking Health / Probiota HistaminX
optibac / for every day
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
vita miracle / ultra-30 probiotics
newrhythm / probiotics 20 stains
blackmores (au) / probiotics + adults daily (90 capsules)
Lake Avenue Nutrition / Probiotics 10 Strain Blend
Windcove Probiotics / Ecologic®825
ASEA VIA / BIOME
jarrow formula / jarro-dophilus original
nature's way (au) / restore probiotic daily health 90s
Bromatech(IT) / FEMELLE
HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
SuperSmart / Candalb
custom probiotics / four strain lactobacilli
naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
udo's choice / super 8 gold
zint nutrition / probiotic collagen +
Smidge / Sensitive Probiotic
Krauterhaus / Lactopro
LiveWell Nutrition / Pro-45
Metabolics / Lactobacillus Plantarum Powder
Nature's Lab Cardio

spain (es) / vivomixx
Advanced Bio-Cultures / Advance Multi Strain Probiotics
elixa / probiotic
Ombre / Ultimate Immunity
bioray / cytoflora
Purica Probiotic Intensive GI
renew life / ultimate flora
up4 / ultra
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.

(N-acetyl-p-aminophenol {TYLENOL}
amoxicillin [CFS]
Animal cohabitation {Owning a Pet}
azithromycin,[CFS]
chloramphenicol
clindamycin [CFS]
doxycycline [CFS]

erythromycin [CFS]
Ethyl alcohol {Grain alcohol}
Ferrum {Iron Supplements}
high-fat diets
imipenem
N-(phosphonomethyl)glycine {glyphosate}
rifampicin
Sodium Fluoride {Toothpaste fluoride}

Sample of Literature Used

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

Microbiota Dysbiosis in Amyotrophic Lateral Sclerosis: A Systematic Review of Human Studies.

Molecular neurobiology , Volume: 63 Issue: 1 2025 Nov 7

Authors Gautam P,Vishwakarma RK,Nath M,Nath G,Pathak A

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

Is gut microbiota of patients with ALS different from that of healthy individuals?

Turkish journal of medical sciences , Volume: 54 Issue: 3 2024

Authors Özyaydin Aksun Z,Erdogan S,Kalkanci A,Sahin EA,Çuhadar T,Sener HÖ

Bridging the Gap: Harnessing Plant Bioactive Molecules to Target Gut Microbiome Dysfunctions in Amyotrophic Lateral Sclerosis.

Current issues in molecular biology , Volume: 46 Issue: 5 2024 May 8

Authors Pribac M,Motataianu A,Andone S,Mardale E,Nemeth S

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,Galloto M,Padedda BM,Lugliè A,Iaccarino C,Crosio C

The Impact of Microbiota on the Pathogenesis of Amyotrophic Lateral Sclerosis and the Possible Benefits of Polyphenols. An Overview.

Metabolites , Volume: 11 Issue: 2 2021 Feb 20

Authors Casani-Cubel J,Benlloch M,Sanchis-Sanchis CE,Marin R,Lajara-Romance JM,de la Rubia Orti JE

The alteration of gut microbiome and metabolism in amyotrophic lateral sclerosis patients.

Scientific reports , Volume: 10 Issue: 1 2020 Aug 3

Authors Zeng Q,Shen J,Chen K,Zhou J,Liao Q,Lu K,Yuan J,Bi F

A prospective longitudinal study on the microbiota composition in amyotrophic lateral sclerosis.

BMC medicine , Volume: 18 Issue: 1 2020 Jun 17

Authors Di Gioia D,Bozzi Cionci N,Baffoni L,Amoruso A,Pane M,Mogna L,Gaggia F,Lucenti MA,Bersano E,Cantello R,De Marchi F,Mazzini L

Amyotrophic lateral sclerosis and intestinal microbiota-toward establishing cause and effect.

Gut microbes , Volume: 11 Issue: 6 2020 Nov 1

Authors Gotkine M,Kviatcovsky D,Elinav E

Potential Role of Gut Microbiota in ALS Pathogenesis and Possible Novel Therapeutic Strategies.

Journal of clinical gastroenterology , 2018 May 18

Authors Mazzini L,Mogna L,De Marchi F,Amoruso A,Pane M,Aloisio I,Cionci NB,Gaggia F,Lucenti A,Bersano E,Cantello R,Di Gioia D,Mogna G

Circadian Rhythm Dysfunction Accelerates Disease Progression in a Mouse Model With Amyotrophic Lateral Sclerosis.

Frontiers in neurology , Volume: 9 2018

Authors Huang Z,Liu Q,Peng Y,Dai J,Xie Y,Chen W,Long S,Pei Z,Su H,Yao X

Gut inflammation and dysbiosis in human motor neuron disease.

Physiological reports , Volume: 5 Issue: 18 2017 Sep

Authors Rowin J,Xia Y,Jung B,Sun J

Fungal infection in neural tissue of patients with amyotrophic lateral sclerosis.

Neurobiology of disease , Volume: 108 2017 Dec

Authors Alonso R,Pisa D,Fernández-Fernández AM,Rábano A,Carrasco L

Evaluation of the Microbial Diversity in Amyotrophic Lateral Sclerosis Using High-Throughput Sequencing.

Frontiers in microbiology , Volume: 7 2016

Authors Fang X,Wang X,Yang S,Meng F,Wang X,Wei H,Chen T

Cronobacter sakazakii DNA Detection in Cerebrospinal Fluid of a Patient with Amyotrophic Lateral Sclerosis Mimic Syndrome.

Case reports in neurology , Volume: 7 Issue: 3 2015 Sep-Dec

Authors Piombo M,Chiarello D,Corbetta M,Di Pino G,Dicuonzo G,Angeletti S,Riva E,De Florio L,Capone F,Di Lazzaro V

Leaky intestine and impaired microbiome in an amyotrophic lateral sclerosis mouse model.

Physiological reports , Volume: 3 Issue: 4 2015 Apr

Authors Wu S,Yi J,Zhang YG,Zhou J,Sun J

Effects of coarse corn or oat hulls on growth performance, intestinal health, and microbiota modulation in underperforming broilers.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 23 2025 Dec

Authors Akram MZ,Sureda EA,Corion M,Comer L,Zhao H,Schroyen M,Everaert N

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

Dietary fiber modulates gut microbiota and lipid metabolism ameliorating Alzheimer's pathology in 5xFAD mice.

Scientific reports , Volume: 15 Issue: 1 2025 Nov 26

Authors Zhao Y,Taylor CM,Lukiw WJ,Bazan NG

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

Study on the Effects of Doxycycline Treatment on Endometrial Microbiota and Pregnancy Outcomes in Chronic Endometritis.

American journal of reproductive immunology (New York, N.Y. : 1989) , Volume: 94 Issue: 5 2025 Nov

Authors Guo H,Chen L,Liu L

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

Dominant Gut Commensals Enriched by Pectin with Low Esterification Degree Orchestrate the Amelioration of Acute Ulcerative Colitis.

Journal of agricultural and food chemistry , Volume: 73 Issue: 47 2025 Nov 26

Authors Tan H,Chen M,Yao H,Li S,Nie S

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

Gut Microbiota Dysbiosis and Associated Gut Health Outcomes Among Alcohol Consumers in Musanze District of Rwanda: A Cross-Sectional Study.

The East African health research journal , Volume: 9 Issue: 1 2025

Authors Higiro C,Habyarimana T,Izere C,Yadufashije C,Niyonzima FN

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,Davidson 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,Auñón-Lopez A,Zebeli Q,Pignitter M,Duszka K

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,Pirola M,Frandsen HL,Struve T,Toutain PL,Damborg P

Fiber deprivation and insoluble corn-based fibrous co-products modulate gastrointestinal mucosa-associated microbiota, extracellular matrix remodeling, and intestinal morphology in growing pigs.

Journal of animal science , 2025 Oct 16

Authors Miller HE,Sasser CN,Hernandez MS,Legako JF,Anderson CJ,Schmitz-Esser S,Ericsson AC,Broadway PR,Sanchez

NCB,Carroll JA,Penn MJC,Petry AL

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

High-fat diet, intestinal microecology and bone loss.

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

Authors Wang N,Tong X,Li YK

Antibacterial Activity of Hibiscus Acid Alone and Combined with Chloramphenicol in CD-1 Mice Infected with Multidrug-

Resistant Enterohemorrhagic Escherichia coli and Salmonella Typhimurium.**Journal of medicinal food** , 2025 Sep 30

Authors Portillo-Torres LA,Mercado-Monroy J,Bernardino-Nicanor A,Gómez-Aldapa CA,González-Cruz L,Rangel-Vargas E,Castro-Rosas J

Ethanol-Induced Dysbiosis and Systemic Impact: A Meta-Analytical Synthesis of Human and Animal Research.**Microorganisms** , Volume: 13 Issue: 9 2025 Aug 27

Authors Alexandrescu L,Tofolean IT,Tofolean DE,Nicoara AD,Twakor AN,Rusu E,Preotesoiu I,Dumitru E,Dumitru A,Tocia C,Herlo A,Alexandrescu DM,Popescu I,Cimpineanu B

Bacillus coagulans-Pectin Synbiotic Modulates Gut Microbiota Composition and Attenuates Ethanol-Induced Alcoholic Liver Disease in Mice.**Microorganisms** , Volume: 13 Issue: 9 2025 Aug 26

Authors Liu Z,Liu T,Fan Y,Jiang Z

Multi-omics analysis of a prebiotic intervention with pectin in lipid transfer proteins (LTPs) allergic patients.**Carbohydrate polymers** , Volume: 369 2025 Dec 1

Authors Gómez F,Pérez-Sánchez N,Macías-Camero A,Núñez R,Contreras N,Cañas JA,Jiménez-Sánchez IM,Díez-Echave P,Barbas C,Guéant JL,Barber D,Vieths S,Scheurer S,Villaseñor A,Rodríguez-Nogales A,Mayorga C,Torres MJ

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

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,Shekarforoush S,Nazifi S,Eskandari MH

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,Badgujar PC,Saravanan C

Galla chinensis alleviated liver damage induced by acetaminophen by regulating intestinal microbiota.**Frontiers in microbiology** , Volume: 16 2025

Authors Li X,Chen J,Xu C,Li Y,Li K

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 024 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

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

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

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

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

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,Bourqia-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,Chiabrando D,Herrera-Rincon C

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

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

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

Barley polysaccharides modulate metabolic and mild cognitive impairment in naturally aging mice through the liver-gut-brain axis.

International journal of biological macromolecules , 2025 May 6

Authors Fan M,Jiang Y,Cai C,Wang Z,Chen L,Zhang X,Yin H,Hu S,Liu J,Qian Z,Huang S

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

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

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

Alcohol exposure alters the diversity and composition of oral microbiome.

Frontiers in cellular and infection microbiology , Volume: 15 2025

Authors Zhao Z,Li J,Liu J,Zhang X,Qie Y,Sun Y,Liu N,Liu Q

Effects of Dietary Fiber and Acetate on Alcoholic Heart Disease and Intestinal Microbes in Mice.

Molecular nutrition & food research , 2025 Apr 18

Authors Siang W,Li Jin J,Yinming J,Wenji L,Yan F

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

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

Associations of alcohol with the human gut microbiome and prospective health outcomes in the FINRISK 2002 cohort.

European journal of nutrition , Volume: 64 Issue: 4 2025 Apr 11

Authors Koponen K,McDonald D,Jousilahti P,Meri G,Inouye M,Lahti L,Niranen T,Männistö S,Havulinna A,Knight R,Salomaa V

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

Structural characterization of β -glucan in Hericium erinaceus pretreated by steam explosion and its effects on human gut microbiota in vitro.

Food chemistry , Volume: 482 2025 Apr 4

Authors Chen S,Ling B,Liu X,Liu L,Feng J,Zhang J,Yang Y,Wu D,Guo Q,Liu Y

Effects of dietary fiber on the composition, function, and symbiotic interactions of intestinal microbiota in pre-weaned calves.

Frontiers in microbiology , Volume: 16 2025

Authors Lu W,Yi X,Ge Y,Zhang X,Shen K,Zhuang H,Deng Z,Liu D,Cao J,Ma C

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,Elser LK,Nicolucci AC,Aktary ML,Reimer RA

Superior ability of dietary fiber utilization in obese breed pigs linked to gut microbial hydrogenotrophy.

ISME communications , Volume: 5 Issue: 1 2025 Jan

Authors Li X,Mu C,Wu H,Zoetendal EG,Huang R,Yu K,Zhu W

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

The synergistic effect of the combination of polymyxin B and rifampicin in a murine neutropenic thigh infection model with E. coli and K. pneumoniae.

The Journal of antimicrobial chemotherapy , 2025 Feb 26

Authors Van Den Berg S,Sassen SDT,Couet W,Marchand S,Van Der Spek H,Ten Kate MT,Meletiadiis J,Muller AE

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

Oat β -glucan prevents high fat diet induced obesity by targeting ileal Farnesoid X receptor-fibroblast growth factor 15 signaling.

International journal of biological macromolecules , Volume: 306 Issue: Pt 3 2025 Feb 26

Authors Huang K,Hong C,Huang Y,Liu Y,Yu Z,Li S,Guan X,Zhao W

β -Glucan Alone or Combined with Lactobacillus acidophilus Positively Influences the Bacterial Diversity and Metabolites in the Colonic Microbiota of Type II Diabetic Patients.

Probiotics and antimicrobial proteins , 2025 Feb 26

Authors Clementino JR,de Oliveira LIG,Salgaço MK,de Oliveira FL,Mesa V,Tavares JF,Silva-Pereira L,Raimundo BVB,Oliveira KC,Medeiros AI,Silva FA,Sivieri K,Magnani M

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

Gut microbiota modulation and inflammation mitigation in a murine model through a hull-less and purple grain barley genotype.

Food & function , 2025 Feb 25

Authors Cortijo-Alfonso ME,Laghuaouta H,Pena RN,Martínez M,Yuste S,Rubió-Piqué L,Piñol-Felis C

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

Oat β -glucan enhances gut barrier function and maintains intestinal homeostasis in naturally aging mice.

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

Authors Huang R,Zhang J,Sun M,Xu L,Kuang H,Xu C,Guo L

Modulating the developing gut microbiota with 2'-fucosyllactose and pooled human milk oligosaccharides.

Microbiome , Volume: 13 Issue: 1 2025 Feb 7

Authors Renwick S,Furst A,Knip M,DIABIMMUNE Study Group,Bode L,Danska JS,Allen-Verge E

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

The effect of high-fiber diet based on gut microbiota in patients with chronic heart failure.

Physiological genomics , Volume: 57 Issue: 3 2025 Mar 1

Authors Li L,Yang L,Liu M

The Molecular Weight of Enzymatically Modified Pectic Oligosaccharides from Apple Pomace as a Determinant for Biological and Prebiotic Activity.

Molecules (Basel, Switzerland) , Volume: 30 Issue: 1 2024 Dec 26

Authors Wilkowska A,Nowak A,Motyl I,Oracz J

Oat Beta-Glucans Modulate the Gut Microbiome, Barrier Function, and Immune Responses in an In Vivo Model of Early-Stage Colorectal Cancer.

International journal of molecular sciences , Volume: 25 Issue: 24 2024 Dec 19

Authors Guzowska M,Dziendzikowska K,Kopiasz L,Gajewska M,Wilczak J,Harasym J,Czerwinska M,Gromadzka-Ostrowska J

Gut microbiota involvement in the effect of water-soluble dietary fiber on fatty liver and fibrosis.

Bioscience of microbiota, food and health , Volume: 44 Issue: 1 2025

Authors Sato S,Iino C,Chinda D,Sasada T,Soma G,Tateda T,Furusawa K,Yoshida K,Sawada K,Mikami T,Nakaji S,Sakuraba H,Fukuda S

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

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

Structural Characterization of Water-Soluble Pectin from the Fruit of Diospyros lotus L. and Its Protective Effects against DSS-Induced Colitis in Mice.

Journal of agricultural and food chemistry , Volume: 73 Issue: 2 2025 Jan 15

Authors Zhang J,Sun Z,Cheng L,Kang J,Liu Y,Zhao Y,Xiao M,Liu H,Zhu Q,Guo Q,Lin C

A systematic review and individual bacterial species level meta-analysis of in vitro studies on the efficacy of ceftazidime/avibactam combined with other antimicrobials against carbapenem-resistant Gram-negative bacteria.

The Journal of antimicrobial chemotherapy , Volume: 80 Issue: 2 2025 Feb 3

Authors Assefa GM,Roberts JA,Aslan AT,Mohammed SA,Sime FB

Dietary fiber pectin alters the gut microbiota and diminishes the inflammatory immune responses in an experimental peach allergy mouse model.

Scientific reports , Volume: 14 Issue: 1 2024 Dec 16

Authors Steigerwald H,Albrecht M,Blissenbach B,Krause M,Wangorsch A,Schott M,Gonzalez-Menendez I,Quintanilla-Martinez L,Toda M,Vieths S,Krut O,Scheurer S,Blanco-Pérez F

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

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

Chitin promotes equol production via n-acetylglucosamine in human fecal cultures.

Anaerobe , Volume: 91 2024 Nov 26

Authors Kadera M,Nakamura K,Yokoyama S

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

Protective effects of insoluble dietary fiber from cereal bran against DSS-induced chronic colitis in mice: From inflammatory responses, oxidative stress, intestinal barrier, and gut microbiota.

International journal of biological macromolecules , Volume: 283 Issue: Pt 2 2024 Dec

Authors Li M,Wang Q,Niu M,Yang H,Zhao S

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

[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

[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

[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

[Pectin from comfrey roots alleviate DSS-induced ulcerative colitis in mice through modulating the intestinal barrier.](#)**International journal of biological macromolecules , Volume: 282 Issue: Pt 3 2024 Oct 29**

Authors Liu M,Fu J,Liu Y,Gou W,Yuan W,Shang H

[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

[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

[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

[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

[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,Thaniappilly 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

[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

[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

[Barley \$\beta\$ -glucan consumption improves glucose tolerance by increasing intestinal succinate concentrations.](#)

NPJ science of food , Volume: 8 Issue: 1 2024 Sep 30

Authors Mio K,Goto Y,Matsuoka T,Komatsu M,Ishii C,Yang J,Kobayashi T,Aoe S,Fukuda S

[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

[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

[Determinants of raffinose family oligosaccharide use in Bacteroides species.](#)

Journal of bacteriology , Volume: 206 Issue: 10 2024 Oct 24

Authors Basu A,Adams AND,Degnan PH,Vanderpool CK

[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

[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

[Epicatechin and \$\beta\$ -glucan from whole highland barley grain ameliorates hyperlipidemia associated with attenuating intestinal barrier dysfunction and modulating gut microbiota in high-fat-diet-fed mice.](#)

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

Authors Liu Z,Tang R,Liu J,Zhang Z,Li Y,Zhao R

[Dietary Polycan, a \$\beta\$ -glucan originating from Aureobasidium pullulansSM-2001, attenuates high-fat-diet-induced intestinal barrier damage in obese mice by modulating gut microbiota dysbiosis.](#)

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

Authors Ko GP,Unno T,Kim YS,Kim J

[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

[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

[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

[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

Regulations of Citrus Pectin Oligosaccharide on Cholesterol Metabolism: Insights from Integrative Analysis of Gut Microbiota and Metabolites.

Nutrients , Volume: 16 Issue: 13 2024 Jun 24

Authors Hu H,Zhang P,Liu F,Pan S

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

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

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

A Gestational Pectin Diet Could Improve the Health of Multiparous Sows by Modulating the Gut Microbiota and Cytokine Level during Late Pregnancy.

Animals : an open access journal from MDPI , Volume: 14 Issue: 11 2024 May 24

Authors Zheng J,Li S,He J,Liu H,Huang Y,Jiang X,Zhao X,Li J,Feng B,Che L,Fang Z,Xu S,Lin Y,Hua L,Zhuo Y,Wu D

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

Pectin supplementation accelerates post-antibiotic gut microbiome reconstitution orchestrated with reduced gut redox potential.

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

Authors Xu R,Feng N,Li Q,Wang H,Li L,Feng X,Su Y,Zhu W

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

The ameliorative and neuroprotective effects of dietary fibre on hyperuricaemia mice: a perspective from microbiome and metabolome.

The British journal of nutrition , Volume: 132 Issue: 3 2024 Aug 14

Authors Wang Y,Miao F,Wang J,Zheng M,Yu F,Yi Y

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

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

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

Elucidation of the beneficial role of co-fermented whole grain quinoa and black barley with Lactobacillus on rats fed a western-style diet via a multi-omics approach.

Food research international (Ottawa, Ont.) , Volume: 187 2024 Jul

Authors Lin ZH,Zhong LY,Jiang HB,Zhu C,Wei FF,Wu Y,Song LH

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

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

The Effects of Food Nutrients and Bioactive Compounds on the Gut Microbiota: A Comprehensive Review.

Foods (Basel, Switzerland) , Volume: 13 Issue: 9 2024 Apr 26

Authors Zheng Y,Qin C,Wen M,Zhang L,Wang W

Relationship between dietary fiber content and prebiotic potential of polysaccharides from the seaweeds of the North west coast of India.

International journal of biological macromolecules , Volume: 269 Issue: Pt 2 2024 Jun

Authors Jagtap AS,Manohar CS,Kadam NS

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

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

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,Huszcz 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

Long-Term Erythromycin Treatment Alters the Airway and Gut Microbiota: Data from Chronic Obstructive Pulmonary Disease Patients and Mice with Emphysema.

Respiration; international review of thoracic diseases , Volume: 103 Issue: 8 2024

Authors Pei G,Guo L,Liang S,Chen F,Ma N,Bai J,Deng J,Li M,Qin C,Feng T,He Z

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

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

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

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

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

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,McCalf JL,Raskin I

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

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

[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

[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

[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

[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

[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

[Milk to mucus: How *B. fragilis* colonizes the gut.](#)

Cell host & microbe , Volume: 32 Issue: 2 2024 Feb 14

Authors Olm MR,Mueller NT

[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

[Anti-Diabetic Potentials of Lactobacillus Strains by Modulating Gut Microbiota Structure and \$\beta\$ -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

[Microbiota modulation by dietary oat beta-glucan prevents steatotic liver disease progression.](#)

JHEP reports : innovation in hepatology , Volume: 6 Issue: 3 2024 Mar

Authors Jaeger JW,Brandt A,Gui W,Yergaliyev T,Hernández-Arriaga A,Muthu MM,Edlund K,Elashy A,Molinario A,Möckel D,Sarges J,Halibasic E,Trauner M,Kahles F,Rolle-Kampczyk U,Hengstler J,Schneider CV,Lammers T,Marschall HU,von Bergen

M,Camarinha-Silva A,Bergheim I,Trautwein C,Schneider KM

[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

[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

[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,Halkjaer 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

[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

[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

[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

[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

[Oat protein isolate-Pleurotus ostreatus \$\beta\$ -glucan conjugate nanoparticles bound to \$\beta\$ -carotene effectively alleviate immunosuppression by regulating gut microbiota.](#)**Food & function , Volume: 15 Issue: 4 2024 Feb 19**

Authors Zhong L,Hu Q,Zhan Q,Zhao M,Zhao L

[Dietary inulin alleviated constipation induced depression and anxiety-like behaviors: Involvement of gut microbiota and microbial metabolite short-chain fatty acid.](#)**International journal of biological macromolecules , Volume: 259 Issue: Pt 2 2024 Feb**

Authors Zou H,Gao H,Liu Y,Zhang Z,Zhao J,Wang W,Ren B,Tan X

[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

[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

[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

[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

[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

[Relationships between diet and gut microbiome in an Italian and Dutch cohort: does the dietary protein to fiber ratio play a role?](#)

European journal of nutrition , Volume: 63 Issue: 3 2024 Apr

Authors Tagliamonte S,Puhlmann ML,De Filippis F,Guerville M,Ercolini D,Vitaglione P

[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,Hamer S,Davis EW,Brown KS,Jiang D,Sharpton TJ,Stevens JF,Ho E

[Dietary fibre confers therapeutic effects in a preclinical model of Huntington's disease.](#)

Brain, behavior, and immunity , Volume: 116 2024 Feb

Authors Gubert C,Kong G,Costello C,Adams CD,Masson BA,Qin W,Choo J,Narayana VK,Rogers G,Renoir T,Furness JB,Hannan AJ

[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

[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

[Impact of glyphosate \(Roundup\(TM\)\) on the composition and functionality of the gut microbiome.](#)

Gut microbes , Volume: 15 Issue: 2 2023 Dec

Authors Walsh L,Hill C,Ross RP

[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

[Kale improves bowel movements in constipated women and affects some intestinal microbes and metabolites: a pilot study.](#)

Frontiers in nutrition , Volume: 10 2023

Authors Nishimoto Y,Salim F,Yamauchi Y,Mori Y,Murakami S,Suzuki A,Fukuda S,Yamada T

[Effect of beta-glucan supplementation on cystic fibrosis colonic microbiota: an in vitro study.](#)

Pediatric research , Volume: 95 Issue: 6 2024 May

Authors Asensio-Grau A,Heredia A,García-Hernández J,Cabrera-Rubio R,Masip E,Ribes-Koninckx C,Collado MC,Andrés A,Calvo-Lerma J

[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

[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

Effects of Dietary Level of Corn Bran on Laying Performance and Cecum Microbial Communities in Laying Ducks.

Animals : an open access journal from MDPI , Volume: 13 Issue: 23 2023 Nov 30

Authors Hou J,Zeng Q,Ding X,Bai S,Wang J,Peng H,Lv L,Xuan Y,Zeng T,Tian Y,Lu L,Zhang K

Akkermansia muciniphila and Alcohol-Related Liver Diseases. A Systematic Review.

Molecular nutrition & food research , Volume: 68 Issue: 2 2024 Jan

Authors Sparfel L,Ratodiarivony S,Boutet-Robinet E,Elero-Simatos S,Jolivet-Gougeon A

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

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

Anti-diabetic effects of natural and modified 'Ganzhou' navel orange peel pectin on type 2 diabetic mice via gut microbiota.

Food & function , Volume: 14 Issue: 24 2023 Dec 11

Authors Du C,Zuo F,Cao Y,Zang Y

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

Pectin from Citrus unshiu Marc. Alleviates Glucose and Lipid Metabolism by Regulating the Gut Microbiota and Metabolites.

Foods (Basel, Switzerland) , Volume: 12 Issue: 22 2023 Nov 11

Authors Ren Y,Mao S,Zeng Y,Chen S,Tian J,Ye X

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

The Dose-Response Effect of Fluoride Exposure on the Gut Microbiome and Its Functional Pathways in Rats.

Metabolites , Volume: 13 Issue: 11 2023 Nov 17

Authors Mo Z,Wang J,Meng X,Li A,Li Z,Que W,Wang T,Tarnue KF,Ma X,Liu Y,Yan S,Wu L,Zhang R,Pei J,Wang X

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

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

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

An overview of microbial enzymatic approaches for pectin degradation.

International journal of biological macromolecules , Volume: 254 Issue: Pt 1 2024 Jan

Authors Li J,Peng C,Mao A,Zhong M,Hu Z

Promoting intestinal antimicrobial defense and microbiome symbiosis contributes to IL-22-mediated protection against alcoholic hepatitis in mice.

Frontiers in immunology , Volume: 14 2023

Authors Yue R,Wei X,Hao L,Dong H,Guo W,Sun X,Zhao J,Zhou Z,Zhong W

High-fibre diets regulate antioxidative capacity and promote intestinal health by regulating bacterial microbiota in growing pigs.

Journal of animal physiology and animal nutrition , Volume: 108 Issue: 2 2024 Mar

Authors Li Z,Zhao Y,Wang H,Zhang W,Zhang C,Xie J,Ma X

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

Modulation of pectin on intestinal barrier function via changes in microbial functional potential and bile acid metabolism.

The Journal of nutritional biochemistry , Volume: 124 2024 Feb

Authors Yin C,Wen X,Dang G,Zhong R,Meng Q,Feng X,Liu L,Wu S,He J,Chen L,Zhang H

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

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

Comprehensive evaluation of the prebiotic properties of *Dendrobium officinale* polysaccharides, β -glucan, and inulin during in vitro fermentation via multi-omics analysis.

International journal of biological macromolecules , Volume: 253 Issue: Pt 7 2023 Dec 31

Authors Sun Y,Zhang S,He H,Chen H,Nie Q,Li S,Cheng J,Zhang B,Zheng Z,Pan S,Huang P,Lian L,Hu J,Nie S

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

Antiuaviolet, 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

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

Effects of alcohol on the symptoms of gouty arthritis and taxonomic structure of gut microbiota in C57BL/6 mice.

Frontiers in microbiology , Volume: 14 2023

Authors Feng Y,Sun H,Zhu R,Tao J,Su R,Sun Y,Wang D

Maternal exposure of mice to glyphosate induces depression- and anxiety-like behavior in the offspring via alterations of the gut-brain axis.

The Science of the total environment , Volume: 905 2023 Dec 20

Authors Buchenauer L,Haange SB,Bauer M,Rolle-Kampczyk UE,Wagner M,Stucke J,Elter E,Fink B,Vass M,von Bergen M,Schulz A,Zenclussen AC,Junge KM,Stangl G,Polte T

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

Steamed broccoli sprouts alleviate DSS-induced inflammation and retain gut microbial biogeography in mice.

mSystems , Volume: 8 Issue: 5 2023 Oct 26

Authors Holman JM,Colucci L,Baudewyns D,Balkan J,Hunt T,Hunt B,Kinney M,Holcomb L,Stratigakis A,Chen G,Moses PL,Mawe GM,Zhang T,Li Y,Ishaq SL

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

The Immunomodulatory Effect of β -Glucan Depends on the Composition of the Gut Microbiota.

Foods (Basel, Switzerland) , Volume: 12 Issue: 17 2023 Aug 22

Authors Sung M,Yoon Y,Lee J

Longitudinal effects of oral administration of antimicrobial drugs on fecal microbiota of horses.

Journal of veterinary internal medicine , 2023 Sep 8

Authors Gomez D,Toribio R,Cadley B,Costa M,Vijan S,Dembek K

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

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W,ji G,Zhang L

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

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,Leciejevska N,Bajerska J

The Protective Effect of Broccoli Seed Extract against Lipopolysaccharide-Induced Acute Liver Injury via Gut Microbiota Modulation and Sulfaphane 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

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

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

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

Short-Term Supplementation of Pectin Alters Substrate Dynamics and Modulates Microbial Carbohydrate Metabolism in the Gut of a Pig Model.

Journal of agricultural and food chemistry , Volume: 71 Issue: 27 2023 Jul 12

Authors Xu R, Feng N, Li Q, Wang H, Su Y, Zhu W

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

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

Effect of the β -glucan from Lentinus edodes on colitis-associated colorectal cancer and gut microbiota.

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Liu N, Zou S, Xie C, Meng Y, Xu X

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

Gastrointestinal Microbial Ecology of Weaned Piglets Fed Diets with Different Levels of Glyphosate.

Microbiology spectrum , Volume: 11 Issue: 4 2023 Aug 17

Authors Rani S, Sørensen MT, Estellé J, Noel SJ, Nørskov N, Krogh U, Foldager L, Højberg O

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

In vitro simulated fecal fermentation of mixed grains on short-chain fatty acid generation and its metabolized mechanism.

Food research international (Ottawa, Ont.) , Volume: 170 2023 Aug

Authors Xu L, Yu Q, Ma L, Su T, Zhang D, Yao D, Li Z

Steamed broccoli sprouts alleviate DSS-induced inflammation and retain gut microbial biogeography in mice.

bioRxiv : the preprint server for biology , 2023 May 23

Authors Holman JM, Colucci L, Baudewyns D, Balkan J, Hunt T, Hunt B, Kinney M, Holcomb L, Chen G, Moses PL, Mawe GM, Zhang T, Li Y, Ishaq SL

Fungal β -glucan-facilitated cross-feeding activities between Bacteroides and Bifidobacterium species.

Communications biology , Volume: 6 Issue: 1 2023 May 30

Authors Fernandez-Julia P, Black GW, Cheung W, Van Sinderen D, Munoz-Munoz J

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

Anti-diabetic effect of modified 'Guanximiyou' pummelo peel pectin on type 2 diabetic mice via gut microbiota.

International journal of biological macromolecules , Volume: 242 Issue: Pt 2 2023 Jul 1

Authors Zang Y, Du C, Ru X, Cao Y, Zuo F

Low-dose glyphosate exposure alters gut microbiota composition and modulates gut homeostasis.

Environmental toxicology and pharmacology , Volume: 100 2023 Jun

Authors Lehman PC, Cady N, Ghimire S, Shahi SK, Shrode RL, Lehmler HJ, Mangalam AK

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, Hjørth MF, Magkos F

Microencapsulation of Lactobacillus plantarum MB001 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,Nuengiamnong C

The effects of pectin on the gut microbiota and serum metabolites in mice fed with a high fat diet and exposed to low-dose antibiotics.

Food & function , Volume: 14 Issue: 10 2023 May 22

Authors Xiao Q,Huang W,Wu Q,Xu H,Zhang Y,Yang J,Bian S,Tan H,Nie S

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

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

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

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

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

Low dosage fluorine ameliorates the bioaccumulation, hepatorenal dysfunction and oxidative stress, and gut microbiota perturbation of cadmium in rats.

Environmental pollution (Barking, Essex : 1987) , Volume: 324 2023 May 1

Authors Li D,Yang C,Xu X,Li S,Luo G,Zhang C,Wang Z,Sun D,Cheng J,Zhang 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

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

Effects of β -glucan on Salmonella enterica serovar Typhimurium swine colonization and microbiota alterations.**Porcine health management** , Volume: 9 Issue: 1 2023 Feb 14

Authors Bearson SMD,Trachsel JM,Bearson BL,Loving CL,Kerr BJ,Shippy DC,Kiros TG

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 Loor H,Evenepoel P,Swanson KS,Allen MR,Moe SM

Microbiome Alterations in Alcohol Use Disorder and Alcoholic Liver Disease.**International journal of molecular sciences** , Volume: 24 Issue: 3 2023 Jan 27

Authors Litwinowicz K,Gamian A

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

Oligofructose, 2'fucosyllactose and β -glucan in combination induce specific changes in microbial composition and short-chain fatty acid production compared to sole supplementation.**Journal of applied microbiology** , Volume: 134 Issue: 2 2023 Feb 16

Authors Jackson PPJ,Wijeyesekera A,van Harsselaar J,Theis S,Rastall RA

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,Firrmann 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

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

Modified cereal bran (MCB) from finger millet, kodo millet, and rice bran prevents high-fat diet-induced metabolic derangements.**Food & function** , Volume: 14 Issue: 3 2023 Feb 6

Authors Devi K,Kumar V,Kumar V,Mahajan N,Kaur J,Sharma S,Kumar A,Khan R,Bishnoi M,Kondepudi KK

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

Ampicillin exacerbates acetaminophen-induced acute liver injury by inducing intestinal microbiota imbalance and butyrate reduction.

Liver international : official journal of the International Association for the Study of the Liver , Volume: 43 Issue: 4 2023 Apr

Authors Li ZM,Kong CY,Mao YQ,Huang JT,Chen HL,Han B,Wang LS

[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

[Modulating gut microbiota and metabolites with dietary fiber oat \$\beta\$ -glucan interventions to improve growth performance and intestinal function in weaned rabbits.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Ma L,Luo Z,Huang Y,Li Y,Guan J,Zhou T,Du Z,Yong K,Yao X,Shen L,Yu S,Zhong Z,Hu Y,Peng G,Shi X,Cao S

[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

[Pectin supplement alleviates gut injury potentially through improving gut microbiota community in piglets.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Dang G,Wang W,Zhong R,Wu W,Chen L,Zhang H

[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

[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

[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

[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

[Reduction of Redox Potential Exerts a Key Role in Modulating Gut Microbial Taxa and Function by Dietary Supplementation of Pectin in a Pig Model.](#)

Microbiology spectrum , Volume: 11 Issue: 1 2023 Feb 14

Authors Xu R,Li Q,Wang H,Su Y,Zhu W

[The impact of dietary fibers on Clostridioides difficile infection in a mouse model.](#)

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Wu Z,Xu Q,Wang Q,Chen Y,Lv L,Zheng B,Yan R,Jiang H,Shen J,Wang S,Wang K,Xia J,Han S,Li L

[β-Glucan alleviates mice with ulcerative colitis through interactions between gut microbes and amino acids metabolism.](#)

Journal of the science of food and agriculture , Volume: 103 Issue: 8 2023 Jun

Authors Liu C,Sun C,Cheng 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

[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

[Response of gut microbiota and ileal transcriptome to inulin intervention in HFD induced obese mice.](#)

International journal of biological macromolecules , Volume: 225 2023 Jan 15

Authors Zhang H,Zhang Y,Mu T,Cao J,Liu X,Yang X,Ren D,Zhao K

[Whole grain benefit: synergistic effect of oat phenolic compounds and β-glucan on hyperlipidemia via gut microbiota in high-fat-diet mice.](#)

Food & function , Volume: 13 Issue: 24 2022 Dec 13

Authors Li Y,Qin C,Dong L,Zhang X,Wu Z,Liu L,Yang J,Liu 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

[Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.](#)

Diagnostics (Basel, Switzerland) , Volume: 12 Issue: 11 2022 Nov 9

Authors Lee KS,Kim ES

[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 Kostiuhenko O,Kravchenko N,Markus J,Burleigh S,Fedkiv O,Cao L,Letasiova S,Skibo G,Fåk Hållenius F,Prykhodko O

[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-docosahexaenoic 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

[Pear pomace soluble dietary fiber ameliorates the negative effects of high-fat diet in mice by regulating the gut microbiota and associated metabolites.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Ji Y,Mao K,Gao J,Chitrakar B,Sadiq FA,Wang Z,Wu J,Xu C,Sang Y

[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

Glyphosate and its formulations Roundup Bioflow and RangerPro alter bacterial and fungal community composition in the rat caecum microbiome.

Frontiers in microbiology , Volume: 13 2022

Authors Mesnage R,Panzacchi S,Bourne E,Mein CA,Perry MJ,Hu J,Chen J,Mandrioli D,Belpoggi F,Antoniou MN

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

Ameliorative effect of Lactobacillus rhamnosus GG on acetaminophen-induced hepatotoxicity via PKC/Nrf2/PGC-1 α pathway.

Journal, genetic engineering & biotechnology , Volume: 20 Issue: 1 2022 Oct 6

Authors Ahmed HM,Shehata HH,El-Saeed GSM,Gabal HHA,El-Daly SM

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

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

Gut Microbes Are Associated with the Vascular Beneficial Effects of Dietary Strawberry on Metabolic Syndrome-Induced Vascular Inflammation.

Molecular nutrition & food research , Volume: 66 Issue: 22 2022 Nov

Authors Miller JC,Satheesh Babu AK,Petersen C,Wankhade UD,Robeson MS 2nd,Putich MN,Mueller JE,O'Farrell AS,Cho JM,Chintapalli SV,Jalili T,Symons JD,Anandh Babu PV

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

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

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

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

Effects of short-term feeding with high fiber diets on growth, utilization of dietary fiber, and microbiota in pigs.

Frontiers in microbiology , Volume: 13 2022

Authors Pu G,Hou L,Du T,Wang B,Liu H,Li K,Niu P,Zhou W,Huang R,Li P

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

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

Beta-Glucan Alters Gut Microbiota and Plasma Metabolites in Pre-Weaning Dairy Calves.

Metabolites , Volume: 12 Issue: 8 2022 Jul 26

Authors Luo Z,Ma L,Zhou T,Huang Y,Zhang L,Du Z,Yong K,Yao X,Shen L,Yu S,Shi X,Cao S

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

Lactobacillus plantarum Alleviates Obesity by Altering the Composition of the Gut Microbiota in High-Fat Diet-Fed Mice.

Frontiers in nutrition , Volume: 9 2022

Authors Ma Y,Fei Y,Han X,Liu G,Fang 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 Harsseelaar J,Theis S,Lohner S

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 Karadag AE,Çaskurlu A,Demirci B,Demirci F

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

Arabinoxylan from rice bran protects mice against high-fat diet-induced obesity and metabolic inflammation by modulating gut microbiota and short-chain fatty acids.

Food & function , Volume: 13 Issue: 14 2022 Jul 18

Authors Luo S,He L,Zhang H,Li Z,Liu C,Chen T

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

Oral administration of octacosanol modulates the gut bacteria and protects the intestinal barrier in ulcerative colitis mice.

Journal of food biochemistry , Volume: 46 Issue: 10 2022 Oct

Authors Miao ST,Lu QS,Zhou YJ,Chang YN,Xu T,Zhu MY

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

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

Profiling the Effects of Systemic Antibiotics for Acne, Including the Narrow-Spectrum Antibiotic Sarecycline, on the Human Gut Microbiota.

Frontiers in microbiology , Volume: 13 2022

Authors Moura IB,Grada A,Spittal W,Clark E,Ewin D,Altringham J,Fumero E,Wilcox MH,Buckley AM

Interaction between dietary fiber and bifidobacteria in promoting intestinal health.

Food chemistry , Volume: 393 2022 Nov 1

Authors Wang H,Huang X,Tan H,Chen X,Chen C,Nie S

Immunological Activity and Gut Microbiota Modulation of Pectin from Kiwano (Cucumis metuliferus) Peels.

Foods (Basel, Switzerland) , Volume: 11 Issue: 11 2022 May 31

Authors Zhu M,Song Y,Martínez-Cuesta MC,Peláez C,Li E,Requena T,Wang H,Sun Y

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

Oat β Glucan Ameliorates Renal Function and Gut Microbiota in Diabetic Rats.

Frontiers in nutrition , Volume: 9 2022

Authors Wang R,Zhang Z,Aihemaitijiang S,Ye C,Halimulati M,Huang X,Qin H

Beneficial Effects of a Low-Glycemic Diet on Serum Metabolites and Gut Microbiota in Obese Women With Prevotella and Bacteroides 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

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

Impact of pectin with various esterification degrees on the profiles of gut microbiota and serum metabolites.

Applied microbiology and biotechnology , Volume: 106 Issue: 9-10 2022 May

Authors Wu Q,Fan L,Tan H,Zhang Y,Fang Q,Yang J,Cui SW,Nie S

Metabonomics combined with 16S rRNA sequencing to elucidate the hypoglycemic effect of dietary fiber from tea residues.

Food research international (Ottawa, Ont.) , Volume: 155 2022 May

Authors Huang H,Chen J,Chen Y,Xie J,Xue P,Ao T,Chang X,Hu X,Yu Q

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

[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

[Effect of barley straw and Egyptian clover hay on the rumen fermentation and structure and fibrolytic activities of rumen bacteria in dromedary camel.](#)

Veterinary world , Volume: 15 Issue: 1 2022 Jan

Authors Rabee AE

[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

[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

[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

[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

[Akkermansia muciniphila Ameliorates Acetaminophen-Induced Liver Injury by Regulating Gut Microbial Composition and Metabolism.](#)

Microbiology spectrum , Volume: 10 Issue: 1 2022 Feb 23

Authors Xia J,Lv L,Liu B,Wang S,Zhang S,Wu Z,Yang L,Bian X,Wang Q,Wang K,Zhuge A,Li S,Yan R,Jiang H,Xu K,Li L

[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

[Orange Pectin with Compact Conformation Effectively Alleviates Acute Colitis in Mice.](#)

Journal of agricultural and food chemistry , Volume: 70 Issue: 5 2022 Feb 9

Authors Cui J,Wang F,Zhao C,Zhou S,Zheng J

[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

[Yeast \$\beta\$ -Glucan Altered Intestinal Microbiome and Metabolome in Older Hens.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Zhen W,Liu Y,Shao Y,Ma Y,Wu Y,Guo F,Abbas W,Guo Y,Wang Z

[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

Crosstalk between gut microbiota and host lipid metabolism in a mouse model of alcoholic liver injury by chronic baijiu or ethanol feeding.

Food & function , Volume: 13 Issue: 2 2022 Jan 24

Authors Fang C,Zhou Q,Liu Q,Jia W,Xu Y

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 Amadiou C,Coste V,Neyrinck AM,Thijssen V,Leyrolle Q,Bindels LB,Piessevaux H,Stärkel P,de Timary P,Delzenne NM,Leclercq S

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,Ejtahed 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

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

Azithromycin resistance in Shiga-toxin Producing *Escherichia coli* in France between 2004 and 2020 and detection of *mef(C)-mph(G)* genes.

Antimicrobial agents and chemotherapy , 2021 Dec 6

Authors Bizot E,Cointe A,Bidet P,Mariani-Kurkdjian P,Hobson CA,Courroux C,Liguori S,Bridier-Nahmias A,Magnan M,Merimèche M,Camélène F,Berçot B,Weill FX,Lefèvre S,Bonacorsi S,Birgy A

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,Takahara T,Kinugasa H

Prevalence of genotypic antimicrobial resistance in clinical Shiga toxin-producing *Escherichia coli* in Norway, 2018 to 2020.

Journal of medical microbiology , Volume: 70 Issue: 12 2021 Dec

Authors Ramstad SN,Brandal LT,Taxt AM,Wasteson Y,Bjørnholt JV,Naseer U

Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.

Frontiers in immunology , Volume: 12 2021

Authors Ding S,Jiang H,Fang J,Liu G

Gut microbiome and metabolome in a non-human primate model of chronic excessive alcohol drinking.

Translational psychiatry , Volume: 11 Issue: 1 2021 Dec 1

Authors Piacentino D,Grant-Beurmann S,Vizioli C,Li X,Moore CF,Ruiz-Rodado V,Lee MR,Joseph PV,Fraser CM,Weerts EM,Leggio L

Characterization and prebiotic properties of pectin polysaccharide from *Clausena lansium* (Lour.) Skeels fruit.

International journal of biological macromolecules , Volume: 194 2022 Jan 1

Authors Song C,Huang F,Liu L,Zhou Q,Zhang D,Fang Q,Lei H,Niu H

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

Metagenomic Analysis of Intestinal Microbiota in Flolated Rats.

Biological trace element research , Volume: 200 Issue: 7 2022 Jul

Authors Komuroglu AU,Seckin H,Ertas M,Meydan I

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

 β -Glucan-triggered Akkermansia muciniphila expansion facilitates the expulsion of intestinal helminth via TLR2 in mice.**Carbohydrate polymers** , Volume: 275 2022 Jan 1

Authors Jin X,Liu Y,Wang J,Wang X,Tang B,Liu M,Liu X

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

Lactobacillus plantarum CCFM1143 Alleviates Chronic Diarrhea via Inflammation Regulation and Gut MicrobiotaModulation: 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

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

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

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,Typos A

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

Gut microbiota link dietary fiber intake and short-chain fatty acid metabolism with eating behavior.**Translational psychiatry** , Volume: 11 Issue: 1 2021 Oct 1

Authors Medawar E,Haange SB,Rolle-Kampczyk U,Engelmann B,Dietrich A,Thieleking R,Wiegank C,Fries C,Horstmann A,Villringer A,von Bergen M,Fenske W,Veronica Witte A

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

In Vitro Evaluation of Dietary Fiber Anti-Infectious Properties against Food-Borne Enterotoxigenic Escherichia coli.**Nutrients** , Volume: 13 Issue: 9 2021 Sep 14

Authors Sauvaitre T,Durif C,Sivignon A,Chalancon S, Van de Wiele T,Etienne-Mesmin L,Blanquet-Diot S

A Pectin-Rich, Baobab Fruit Pulp Powder Exerts Prebiotic Potential on the Human Gut Microbiome In Vitro.**Microorganisms** , Volume: 9 Issue: 9 2021 Sep 17

Authors Foltz M,Zahradnik AC, Van den Abbeele P,Ghyselinck J,Marzorati M

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

Glyphosate-induced gut microbiota dysbiosis facilitates male reproductive toxicity in rats.**The Science of the total environment** , Volume: 805 2022 Jan 20

Authors Liu JB,Chen K,Li ZF,Wang ZY,Wang L

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

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

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

Owning a Pet Is Associated with Changes in the Composition of Gut Microbiota and Could Influence the Risk of Metabolic Disorders in Humans.**Animals : an open access journal from MDPI** , Volume: 11 Issue: 8 2021 Aug 9

Authors Arenas-Montes J,Perez-Martinez P,Vals-Delgado C,Romero-Cabrera JL,Cardelo MP,Leon-Acuña A,Quintana-Navarro GM,Alcala-Diaz JF,Lopez-Miranda J,Camargo A,Perez-Jimenez F

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

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

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

Effects of Short-Term Dietary Fiber Intervention on Gut Microbiota in Young Healthy People.**Diabetes, metabolic syndrome and obesity : targets and therapy** , Volume: 14 2021

Authors Tian T,Zhang X,Luo T,Wang D,Sun Y,Dai J

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

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

Pectin and homogalacturonan with small molecular mass modulate microbial community and generate high SCFAs via in vitro gut fermentation.

Carbohydrate polymers , Volume: 269 2021 Oct 1

Authors Zhao Y,Bi J,Yi J,Wu X,Ma Y,Li R

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

The interplay between fasting, gut microbiota, and lipid profile.

International journal of clinical practice , Volume: 75 Issue: 10 2021 Oct

Authors Mohammadzadeh A,Roshanravan N,Mesri Alamdari N,Safaiyan A,Mosharkesh E,Hadi A,Barati M,Ostadrahimi A

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

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 Sadovnikova IS,Gureev AP,Ignatyeva DA,Gryaznova MV,Chernyshova EV,Krutsikh EP,Novikova AG,Popov VN

Improvement of Metabolic Syndrome in High-Fat Diet-Induced Mice by Yeast β -Glucan Is Linked to Inhibited Proliferation of Lactobacillus and Lactococcus in Gut Microbiota.

Journal of agricultural and food chemistry , Volume: 69 Issue: 27 2021 Jul 14

Authors Chen G,Chen D,Zhou W,Peng Y,Chen C,Shen W,Zeng X,Yuan Q

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

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

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

Circadian disruption-induced metabolic syndrome in mice is ameliorated by oat β -glucan mediated by gut microbiota.

Carbohydrate polymers , Volume: 267 2021 Sep 1

Authors Cheng WY,Lam KL,Li X,Kong AP,Cheung PC

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

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

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

Beneficial gut microbiome remodeled during intermittent fasting in humans.

Rejuvenation research , 2021 May 27

Authors Larrick JW,Mendelsohn AR,Larrick J

Clearance of *Clostridioides difficile* Colonization Is Associated with Antibiotic-Specific Bacterial Changes.

mSphere , Volume: 6 Issue: 3 2021 May 5

Authors Lesniak NA,Schubert AM,Sinani H,Schloss PD

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

Effects of Whole-Grain and Sugar Content in Infant Cereals on Gut Microbiota at Weaning: A Randomized Trial.

Nutrients , Volume: 13 Issue: 5 2021 Apr 28

Authors Plaza-Diaz J,Bernal MJ,Schutte S,Chenoll E,Genovés S,Codoñer FM,Gil A,Sanchez-Siles LM

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

A comprehensive review on the impact of β -glucan metabolism by *Bacteroides* and *Bifidobacterium* species as members of the gut microbiota.

International journal of biological macromolecules , Volume: 181 2021 Jun 30

Authors Fernandez-Julia PJ,Munoz-Munoz J,van Sinderen D

Acidic pH enhances butyrate production from pectin by faecal microbiota.

FEMS microbiology letters , Volume: 368 Issue: 7 2021 May 4

Authors Raba G,Adamberg S,Adamberg K

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

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

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

Probiotic alleviate fluoride-induced memory impairment by reconstructing gut microbiota in mice.

Ecotoxicology and environmental safety , Volume: 215 2021 Jun 1

Authors Xin J,Wang H,Sun N,Bughio S,Zeng D,Li L,Wang Y,Khalique A,Zeng Y,Pan K,Jing B,Ma H,Bai Y,Ni X

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

High-Fiber, Whole-Food Dietary Intervention Alters the Human Gut Microbiome but Not Fecal Short-Chain Fatty Acids.

mSystems , Volume: 6 Issue: 2 2021 Mar 16

Authors Oliver A,Chase AB,Weihe C,Orchanian SB,Riedel SF,Hendrickson CL,Lay M,Sewall JM,Martiny JBH,Whiteson K

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

Avenanthramide Metabotype from Whole-Grain Oat Intake is Influenced by *Faecalibacterium prausnitzii* in Healthy Adults.

The Journal of nutrition , Volume: 151 Issue: 6 2021 Jun 1

Authors Wang P,Zhang S,Yerke A,Ohland CL,Gharaibeh RZ,Fouladi F,Fodor AA,Jobin C,Sang S

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,Ali I,Huang X,Long R

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

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

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

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,Caní PD,Paquot N,Cnop M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM

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

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

Use of Shotgun Metagenomics and Metabolomics to Evaluate the Impact of Glyphosate or Roundup MON 52276 on the Gut Microbiota and Serum Metabolome of Sprague-Dawley Rats.

Environmental health perspectives , Volume: 129 Issue: 1 2021 Jan

Authors Mesnage R,Teixeira M,Mandrioli D,Falcioni L,Ducarmon QR,Zwittink RD,Mazzacova F,Caldwell A,Halket J,Amiel C,Panoff JM,Belpoggi F,Antoniou MN

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

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

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

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

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

Dietary Fiber Intake Alters Gut Microbiota Composition but Does Not Improve Gut Wall Barrier Function in Women with Future Hypertensive Disorders of Pregnancy.

Nutrients , Volume: 12 Issue: 12 2020 Dec 17

Authors Tomsett KI,Barrett HL,Dekker EE,Callaway LK,McIntyre DH,Dekker Nitert M

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

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

Yeast β -glucan, a potential prebiotic, showed a similar probiotic activity to inulin.

Food & function , Volume: 11 Issue: 12 2020 Dec 1

Authors Wang H,Chen G,Li X,Zheng F,Zeng X

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,Qui 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

Sulfated polysaccharides from Undaria pinnatifida improved high fat diet-induced metabolic syndrome, gut microbiota dysbiosis and inflammation in BALB/c mice.

International journal of biological macromolecules , Volume: 167 2021 Jan 15

Authors Jiang P,Zheng W,Sun X,Jiang G,Wu S,Xu Y,Song S,Ai C

Lactobacillus reuteri DSM 17938 alleviates d-galactosamine-induced liver failure in rats.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 133 2021 Jan

Authors Jiang H,Yan R,Wang K,Wang Q,Chen X,Chen L,Li L,Lv L

Behaviour of citrus pectin and modified citrus pectin in an azoxymethane/dextran sodium sulfate (AOM/DSS)-induced rat colorectal carcinogenesis model.

International journal of biological macromolecules , Volume: 167 2021 Jan 15

Authors Ferreira-Lazarte A,Fernández J,Gallego-Lobillo P,Villar CJ,Lombó F,Moreno FJ,Villamiel M

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,Kiewiet MBG,Logtenberg MJ,Groeneveld A,Nauta A,Schols HA,Walvoort MTC,Harmsen HJM,de Vos P

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

Alcohol decreases intestinal ratio of Lactobacillus to Enterobacteriaceae and induces hepatic immune tolerance in a murine model of DSS-colitis.

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

Authors Kuprys PV,Cannon AR,Shieh J,Iftekhhar N,Park SK,Eberhardt JM,Ding X,Choudhry MA

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

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

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

[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

[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

[Highland Barley Whole Grain \(*Hordeum vulgare* L.\) Ameliorates Hyperlipidemia by Modulating Cecal Microbiota, miRNAs, and AMPK Pathways in Leptin Receptor-Deficient db/db Mice.](#)

Journal of agricultural and food chemistry , Volume: 68 Issue: 42 2020 Oct 21

Authors Deng N,He Z,Guo R,Zheng B,Li T,Liu RH

[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

[Modifications of Gut Microbiota after Grape Pomace Supplementation in Subjects at Cardiometabolic Risk: A Randomized Cross-Over Controlled Clinical Trial.](#)

Foods (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 11

Authors Ramos-Romero S,Martínez-Maqueda D,Hereu M,Amézqueta S,Torres JL,Pérez-Jiménez J

[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

[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

[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

[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

[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

[Long-term Consumption of 2-O-?-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

[Effect of particle size of insoluble fibre on growth performance, apparent ileal digestibility and caecal microbial population in broiler chickens fed barley-containing diets.](#)

British poultry science , Volume: 61 Issue: 6 2020 Dec

Authors Pourazadi Z,Salari S,Tabandeh MR,Abdollahi MR

[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

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

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

Yeast β -glucan alleviates cognitive deficit by regulating gut microbiota and metabolites in A β (1)-(42)-induced AD-like mice.

International journal of biological macromolecules , Volume: 161 2020 Oct 15

Authors Xu M,Mo X,Huang H,Chen X,Liu H,Peng Z,Chen L,Rong S,Yang W,Xu S,Liu L

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

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

Gut Microbiome and Metabolome Response of Pu-erh Tea on Metabolism Disorder Induced by Chronic Alcohol Consumption.

Journal of agricultural and food chemistry , Volume: 68 Issue: 24 2020 Jun 17

Authors Liu Y,Luo Y,Wang X,Luo L,Sun K,Zeng L

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPAR α 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

[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

[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

[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

[A Soluble Fiber Diet Increases Bacteroides fragilis Group Abundance and Immunoglobulin A Production in the Gut.](#)**Applied and environmental microbiology** , Volume: 86 Issue: 13 2020 Jun 17

Authors Nakajima A,Sasaki T,Itoh K,Kitahara T,Takema Y,Hiramatsu K,Ishikawa D,Shibuya T,Kobayashi O,Osada T,Watanabe S,Nagahara A

[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

[Modulation of Pectin on Mucosal Innate Immune Function in Pigs Mediated by Gut Microbiota.](#)**Microorganisms** , Volume: 8 Issue: 4 2020 Apr 8

Authors Wu W,Zhang L,Xia B,Tang S,Xie J,Zhang H

[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

[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

[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

[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

[Household Pet Ownership and the Microbial Diversity of the Human Gut Microbiota.](#)**Frontiers in cellular and infection microbiology** , Volume: 10 2020

Authors Kates AE, Jarrett O, Skarlupka JH, Sethi A, Duster M, Watson L, Suen G, Poulsen K, Safdar N

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

Rice bran attenuated obesity via alleviating dyslipidemia, browning of white adipocytes and modulating gut microbiota in high-fat diet-induced obese mice.

Food & function , Volume: 11 Issue: 3 2020 Mar 1

Authors Zou Y, Ju X, Chen W, Yuan J, Wang Z, Aluko RE, He R

Alterations in cecal microbiota and intestinal barrier function of laying hens fed on fluoride supplemented diets.

Ecotoxicology and environmental safety , Volume: 193 2020 Apr 15

Authors Miao L, Gong Y, Li H, Xie C, Xu Q, Dong X, Elwan HAM, Zou X

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

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, Tjønneland A, Dicksved J, Landberg R

Prebiotic activity of garlic (*Allium sativum*) extract on *Lactobacillus acidophilus*.

Veterinary world , Volume: 12 Issue: 12 2019 Dec

Authors Sunu P, Sunarti D, Mahfudz LD, Yudianto VD

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

Glyphosate exposure induces inflammatory responses in the small intestine and alters gut microbial composition in rats.

Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun

Authors Tang Q, Tang J, Ren X, Li C

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

Identification of Off-Patent Drugs That Show Synergism with Amphotericin B or That Present Antifungal Action against *Cryptococcus neoformans* and *Candida* spp.

Antimicrobial agents and chemotherapy , Volume: 64 Issue: 4 2020 Mar 24

Authors Rossi SA, de Oliveira HC, Agreda-Mellon D, Lucio J, Mendes-Giannini MUS, García-Camero JP, Zaragoza O

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

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

[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

[Food for thought about manipulating gut bacteria.](#)

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM,Bindels LB

[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

[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,Grundler F,Schwartz A,Le Maho Y,Wilhelmi de Toledo F

[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

[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

[Dietary intervention using \(1,3\)/\(1,6\)- \$\beta\$ -glucan, a fungus-derived soluble prebiotic ameliorates high-fat diet-induced metabolic distress and alters beneficially the gut microbiota in mice model.](#)

European journal of nutrition , Volume: 59 Issue: 6 2020 Sep

Authors Muthuramalingam K,Singh V,Choi C,Choi SI,Kim YM,Unno T,Cho M

[Phytochemical Profile, Bioactivity, and Prebiotic Potential of Bound Phenolics Released from Rice Bran Dietary Fiber during in Vitro Gastrointestinal Digestion and Colonic Fermentation.](#)

Journal of agricultural and food chemistry , Volume: 67 Issue: 46 2019 Nov 20

Authors Zhang X,Zhang M,Dong L,Jia X,Liu L,Ma Y,Huang F,Zhang R

[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

[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.

[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,Annavaiahala MK,Rebbaa A,Culp-Hill R,D'Alessandro A,Freedberg DE,Uhlemann AC,Hod EA

[Role of the Gut Microbiota and Their Metabolites in Modulating the Cholesterol-Lowering Effects of Citrus Pectin Oligosaccharides in C57BL/6 Mice.](#)

Journal of agricultural and food chemistry , Volume: 67 Issue: 43 2019 Oct 30

Authors Hu H,Zhang S,Liu F,Zhang P,Muhammad Z,Pan S

[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

[An examination of data from the American Gut Project reveals that the dominance of the genus Bifidobacterium is associated with the diversity and robustness of the gut microbiota.](#)

MicrobiologyOpen , Volume: 8 Issue: 12 2019 Dec

Authors Feng Y,Duan Y,Xu Z,Lyu N,Liu F,Liang S,Zhu B

[A comprehensive assessment of demographic, environmental, and host genetic associations with gut microbiome diversity in healthy individuals.](#)

Microbiome , Volume: 7 Issue: 1 2019 Sep 13

Authors Scepanovic P,Hodel F,Mondot S,Partula V,Byrd A,Hammer C,Alanio C,Bergstedt J,Patin E,Touvier M,Lantz O,Albert

ML,Duffy D,Quintana-Murci L,Fellay J,Milieu Intérieur Consortium.

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

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,Knippling K,Van't Land B,Tims S,Stahl B,Garssen J,Franch À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

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

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 Sulfonylurea: 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

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

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

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

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

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

Birth Mode, Breastfeeding, Pet Exposure, and Antibiotic Use: Associations With the Gut Microbiome and Sensitization in Children.

Current allergy and asthma reports , Volume: 19 Issue: 4 2019 Mar 11

Authors Kim H,Sitarik AR,Woodcroft K,Johnson CC,Zoratti E

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

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

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

Protein-Bound β -glucan from *Coriolus Versicolor* has Potential for Use Against Obesity.

Molecular nutrition & food research , Volume: 63 Issue: 7 2019 Apr

Authors Li X,Chen P,Zhang P,Chang Y,Cui M,Duan J

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

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

Broccoli consumption affects the human gastrointestinal microbiota.

The Journal of nutritional biochemistry , Volume: 63 2019 Jan

Authors Kaczmarek JL,Liu X,Charron CS,Novotny JA,Jeffery EH,Seifried HE,Ross SA,Miller MJ,Swanson KS,Holscher HD

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

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,Leblois J,Wavreille J,Soyeurt H,Bindelle J,Everaert N

[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 Bodd J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SQ,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 MU,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

[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

[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

[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

[The Ramazzini Institute 13-week pilot study on glyphosate and Roundup administered at human-equivalent dose to Sprague Dawley rats: effects on the microbiome.](#)

Environmental health : a global access science source , Volume: 17 Issue: 1 2018 May 29

Authors Mao Q,Manservigi F,Panzacchi S,Mandrioli D,Menghetti I,Vornoli A,Bua L,Falcioni L,Lesseur C,Chen J,Belpoggi F,Hu J

[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

[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

[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

Glyphosate based- herbicide exposure affects gut microbiota, anxiety and depression-like behaviors in mice.

Neurotoxicology and teratology , Volume: 67 2018 May - Jun

Authors Aitbali Y,Ba-M`hamed S,Elhidar N,Nafis A,Soraa N,Bennis M

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

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,Canal 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,Morinos C,Sarnyai Z,Maes GE

Whole Tibetan Huli-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

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

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

Soluble dietary fiber improves energy homeostasis in obese mice by remodeling the gut microbiota.

Biochemical and biophysical research communications , Volume: 498 Issue: 1 2018 Mar 25

Authors Wang H,Hong T,Li N,Zang B,Wu X

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

Effects of dietary fiber levels on cecal microbiota composition in geese.

Asian-Australasian journal of animal sciences , Volume: 31 Issue: 8 2018 Aug

Authors Li Y,Yang H,Xu L,Wang Z,Zhao Y,Chen X

Alfalfa-containing diets alter luminal microbiota structure and short chain fatty acid sensing in the caecal mucosa of pigs.

Journal of animal science and biotechnology , Volume: 9 2018

Authors Wang J,Qin C,He T,Qiu K,Sun W,Zhang X,Jiao N,Zhu W,Yin J

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 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

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

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

Update of incidence and antimicrobial susceptibility trends of Escherichia coli and Klebsiella pneumoniae isolates from Chinese intra-abdominal infection patients.

BMC infectious diseases , Volume: 17 Issue: 1 2017 Dec 18

Authors Zhang H,Yang Q,Liao K,Ni Y,Yu Y,Hu B,Sun Z,Huang W,Wang Y,Wu A,Feng X,Luo Y,Chu Y,Chen S,Cao B,Su J,Duan Q,Zhang S,Shao H,Kong H,Gui B,Hu Z,Badal R,Xu Y

Prebiotic Dietary Fiber and Gut Health: Comparing the in Vitro Fermentations of Beta-Glucan, Inulin and Xylooligosaccharide.

Nutrients , Volume: 9 Issue: 12 2017 Dec 15

Authors Carlson JL,Erickson JM,Hess JM,Gould TJ,Slavin JL

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

Doxycycline induces dysbiosis in female C57BL/6NCR1 mice

BMC Research Notes , Volume: 10 2017 Nov 29

Authors Boynton FD,Ericsson AC,Uchihashi M,Dunbar ML,Wilkinson JE

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

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

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

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

Prebiotic potential of pectin and pectic oligosaccharides to promote anti-inflammatory commensal bacteria in the human colon.

FEMS microbiology ecology , Volume: 93 Issue: 11 2017 Nov 1

Authors Chung WSF,Meijerink M,Zeuner B,Holck J,Louis P,Meyer AS,Wells JM,Flint HJ,Duncan SH

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 Ruminant 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

Effect of Functional Oligosaccharides and Ordinary Dietary Fiber on Intestinal Microbiota Diversity.

Frontiers in microbiology , Volume: 8 2017

Authors Cheng W,Lu J,Li B,Lin W,Zhang Z,Wei X,Sun C,Chi M,Bi W,Yang B,Jiang A,Yuan J

[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

[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 Fohse 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

[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,Ståhlman M,Rhimi M,Chira K,Teissedre PL,Delzenne NM,Maguin E,Guilbot A,Brochot A,Gérard P,Bäckhed F,Cani PD

[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-Only 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

[Changes in the intestinal microbiota following the administration of azithromycin in a randomised placebo-controlled trial among infants in south India](#)

Scientific Reports , Volume: 7 2017 Aug 23

Authors Parker EP,Praharaj I,John J,Kaliappan SP,Kampmann B,Kang G,Grassly NC

[Effects of oral florfenicol and azithromycin on gut microbiota and adipogenesis in mice.](#)

PloS one , Volume: 12 Issue: 7 2017

Authors Li R,Wang H,Shi Q,Wang N,Zhang Z,Xiong C,Liu J,Chen Y,Jiang L,Jiang Q

[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

[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

[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

[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

[Recovery of ethanol-induced <i>Akkermansia muciniphila</i> depletion ameliorates alcoholic liver disease.](#)

Gut , 2017 May 26

Authors Grander C,Adolph TE,Wieser V,Lowe P,Wrzosek L,Gyongyosi B,Ward DV,Grabherr F,Gerner RR,Pfister A,Enrich B,Ciocan D,Macheiner S,Mayr L,Drach M,Moser P,Moschen AR,Perlemuter G,Szabo G,Cassard AM,Tilg H

[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

[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

[Influence of chronic azithromycin treatment on the composition of the oropharyngeal microbial community in patients with severe asthma.](#)

BMC microbiology , Volume: 17 Issue: 1 2017 May 10

Authors Lopes Dos Santos Santiago G,Brusselle G,Dauwe K,Deschaght P,Verhofstede C,Vaneechoutte D,Deschepper E,Jordens P,Joos G,Vaneechoutte M

[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

[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

[Exposure to household furry pets influences the gut microbiota of infant at 3-4 months following various birth scenarios.](#)

Microbiome , Volume: 5 Issue: 1 2017 Apr 6

Authors Tun HM,Konya T,Takaro TK,Brook JR,Chari R,Field CJ,Guttman DS,Becker AB,Mandhane PJ,Turvey SE,Subbarao P,Sears MR,Scott JA,Kozyrskyj AL,CHILD Study Investigators

[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

[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

[In vitro fermentation of oat \$\beta\$ -glucan and hydrolysates by fecal microbiota and selected probiotic strains.](#)

Journal of the science of food and agriculture , Volume: 97 Issue: 12 2017 Sep

Authors Dong JL,Yu X,Dong LE,Shen RL

[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

[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

[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

[Drunk bugs: Chronic vapour alcohol exposure induces marked changes in the gut microbiome in mice.](#)

Behavioural brain research , Volume: 323 2017 Apr 14

Authors Peterson VL,Jury NJ,Cabrera-Rubio R,Draper LA,Crispie F,Cotter PD,Dinan TG,Holmes A,Cryan JF

[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

[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

[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 Kabani 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

[Clinical characteristics and antimicrobial susceptibilities of anaerobic bacteremia in an acute care hospital.](#)

Anaerobe , Volume: 43 2017 Feb

Authors Tan TY,Ng LS,Kwang LL,Rao S,Eng LC

[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

[Hypocholesterolemic and Prebiotic Effects of a Whole-Grain Oat-Based Granola Breakfast Cereal in a Cardio-Metabolic "At Risk" Population.](#)

Frontiers in microbiology , Volume: 7 2016

Authors Connolly ML,Tzounis X,Tuohy KM,Lovegrove JA

[Veggies and Intact Grains a Day Keep the Pathogens Away.](#)

Cell , Volume: 167 Issue: 5 2016 Nov 17

Authors Gazzaniga FS,Kasper DL

[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,Verge M,De Vuyst L

[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,Vigsnaes 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

[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

[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

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 a-(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

Randomised, double-blind, placebo-controlled trial with azithromycin selects for anti-inflammatory microbial metabolites in the emphysematous lung.

Thorax , Volume: 72 Issue: 1 2017 Jan

Authors Segal LN,Clemente JC,Wu BG,Wikoff WR,Gao Z,Li Y,Ko JP,Rom WN,Blaser MJ,Weiden MD

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

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

Molecular Properties of Guar Gum and Pectin Modify Cecal Bile Acids, Microbiota, and Plasma Lipopolysaccharide-Binding Protein in Rats.

PloS one , Volume: 11 Issue: 6 2016

Authors Ghaffarzadegan T,Marungruang N,Fåk F,Nyman M

Ecophysiological consequences of alcoholism on human gut microbiota: implications for ethanol-related pathogenesis of colon cancer.

Scientific reports , Volume: 6 2016 Jun 13

Authors Tsuruya A,Kuwahara A,Saito Y,Yamaguchi H,Tsubo T,Suga S,Inai M,Aoki Y,Takahashi S,Tsutsumi E,Suwa Y,Morita H,Kinoshita K,Totsuka Y,Suda W,Oshima K,Hattori M,Mizukami T,Yokoyama A,Shimoyama T,Nakayama T

Obese ZDF rats fermented resistant starch with effects on gut microbiota but no reduction in abdominal fat.

Molecular nutrition & food research , Volume: 61 Issue: 1 2017 Jan

Authors Goldsmith F,Guice J,Page R,Welsh DA,Taylor CM,Blanchard EE,Luo M,Raggio AM,Stout RW,Carvajal-Aldaz D,Gaither A,Pelkman C,Ye J,Martin RJ,Geaghan J,Durham HA,Coulon D,Keenan MJ

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

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

Successful Doxycycline Therapy in a Patient With Escherichia coli and Multidrug-Resistant Klebsiella pneumoniae Urinary Tract Infection.

Journal of pharmacy practice , Volume: 30 Issue: 4 2017 Aug

Authors White CR,Jodlowski TZ,Atkins DT,Holland NG

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

Dietary High Fluorine Alters Intestinal Microbiota in Broiler Chickens.**Biological trace element research** , Volume: 173 Issue: 2 2016 Oct

Authors Luo Q,Cui H,Peng X,Fang J,Zuo Z,Deng J,Liu J,Deng Y

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

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

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

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,Lagkouravdos 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

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,Sahlström S

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

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

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

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

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

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 M,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

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

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

Antimicrobial activity and antibiotic susceptibility of *Lactobacillus* and *Bifidobacterium* spp. intended for use as starter and probiotic cultures.

Biotechnology, biotechnological equipment , Volume: 29 Issue: 1 2015 Jan 2

Authors Georgieva R,Yocheva L,Tserovska L,Zhelezova G,Stefanova N,Atanasova A,Danguleva A,Ivanova G,Karapetkov

N,Rumyan N,Karaivanova E

[Review article: dietary fibre-microbiota interactions.](#)

Alimentary pharmacology & therapeutics , Volume: 42 Issue: 2 2015 Jul

Authors Simpson HL,Campbell BJ

[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,Marungruang N,Fåk 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

[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

[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

[High amount of dietary fiber not harmful but favorable for Crohn disease.](#)

The Permanente journal , Volume: 19 Issue: 1 2015 Winter

Authors Chiba M,Tsuji T,Nakane K,Komatsu M

[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

[Whole grain oats improve insulin sensitivity and plasma cholesterol profile and modify gut microbiota composition in C57BL/6J mice.](#)

The Journal of nutrition , Volume: 145 Issue: 2 2015 Feb

Authors Zhou AL,Hergert N,Rompato G,Lefevre M

[Phenotypic and Molecular Characterization of Extended-Spectrum \$\beta\$ -Lactamase Produced by Escherichia coli, and Klebsiella pneumoniae Isolates in an Educational Hospital.](#)

Jundishapur journal of microbiology , Volume: 7 Issue: 10 2014 Oct

Authors Gholipour A,Soleimani N,Shokri D,Mobasherizadeh S,Kardi M,Baradaran A

[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

[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

[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

[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 Jaeggi 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

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,Stålbbrand H,Nordberg Karlsson E,Nyman M,Holm C,Adlercreutz P

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

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

Second meal effect on appetite and fermentation of wholegrain rye foods.

Appetite , Volume: 80 2014 Sep

Authors Ibrügger S,Vignæs LK,Blennow A,Blooming E,Raben A,Lauritzen L,Kristensen M

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

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

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

Abnormal Weight Gain and Gut Microbiota Modifications Are Side Effects of Long-Term Doxycycline and Hydroxychloroquine Treatment

Antimicrobial Agents and Chemotherapy , Volume: 58 Issue: 6 2014 Jun

Authors Angelakis E,Million M,Kankoe S,Lagier JC,Armougom F,Giorgi R,Raoult D

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

Selective proliferation of intestinal Bacteroides under fucosyllactose supplementation in mice.

The British journal of nutrition , Volume: 111 Issue: 9 2014 May

Authors Weiss GA,Chassard C,Hennet T

In vitro activity of tigecycline and comparators against Gram-positive and Gram-negative isolates collected from the Middle East and Africa between 2004 and 2011.

International journal of antimicrobial agents , Volume: 43 Issue: 2 2014 Feb

Authors Kanj SS,Whitelaw A,Dowzicky MJ

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

[Bifidogenic effect of whole-grain wheat during a 12-week energy-restricted dietary intervention in postmenopausal women.](#)

European journal of clinical nutrition , Volume: 67 Issue: 12 2013 Dec

Authors Christensen EG,Licht TR,Kristensen M,Bahl MI

[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

[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

[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

[Effects of micronized okara dietary fiber on cecal microbiota, serum cholesterol and lipid levels in BALB/c mice.](#)

International journal of food sciences and nutrition , Volume: 64 Issue: 8 2013 Dec

Authors Li T,Zhong JZ,Wan J,Liu CM,Le BY,Liu W,Fu GM

[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

[In vitro characterization of the impact of selected dietary fibers on fecal microbiota composition and short chain fatty acid production.](#)

Anaerobe , Volume: 23 2013 Oct

Authors Yang J,Martínez I,Walter J,Keshavarzian A,Rose DJ

[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

[Spectrum and antimicrobial resistance of common pathogenic bacteria isolated from patients with acute exacerbation of chronic obstructive pulmonary disease in mainland of China.](#)

Chinese medical journal , Volume: 126 Issue: 12 2013 Jun

Authors Ye F,He LX,Cai BQ,Wen FQ,Chen BY,Hadiarto M,Chen RC,Yuan JP,Sun HL

[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

[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

[Grain-rich diets differently alter ruminal and colonic abundance of microbial populations and lipopolysaccharide in goats.](#)

Anaerobe , Volume: 20 2013 Apr

Authors Metzler-Zebeli BU,Schmitz-Esser S,Klevenhusen F,Podstatzky-Lichtenstein L,Wagner M,Zebeli Q

[Comparative analysis of microbial profiles in cow rumen fed with different dietary fiber by tagged 16S rRNA gene pyrosequencing.](#)

Current microbiology , Volume: 67 Issue: 2 2013 Aug

Authors Thoetkiattikul H,Mhuanong W,Laathanachareon T,Tangphatsornruang S,Pattarajinda V,Eurwilaichitr L,Champreda V
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
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

In vitro fermentation of commercial α -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

Effects of oat β -glucan and barley β -glucan on fecal characteristics, intestinal microflora, and intestinal bacterial metabolites in rats.

Journal of agricultural and food chemistry , Volume: 60 Issue: 45 2012 Nov 14

Authors Shen RL,Dang XY,Dong JL,Hu XZ

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

Effects of cereal β -glucans and enzyme inclusion on the porcine gastrointestinal tract microbiota.

Anaerobe , Volume: 18 Issue: 6 2012 Dec

Authors Murphy P,Bello FD,O'Doherty JV,Arendt EK,Sweeney T,Coffey A

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

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

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 chitoooligosaccharides 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

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

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

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,Hervert-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I

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

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

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

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

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

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,Uttinger J,Ghattas H,Lacroix C,Hurrell RF

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

Short-term antibiotic treatment has differing long-term impacts on the human throat and gut microbiome.

PloS one , Volume: 5 Issue: 3 2010 Mar 24

Authors Jakobsson HE,Jernberg C,Andersson AF,Sjölund-Karlsson M,Jansson JK,Engstrand L

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

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

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

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

Microbiologic changes following administration of locally delivered doxycycline in smokers: a 15-month follow-up.

Journal of periodontology , Volume: 78 Issue: 11 2007 Nov

Authors M Shaddox L,Andia DC,Casati MZ,Nociti FH Jr,Sallum EA,Gollwitzer J,Walker CB

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

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,Fasting 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

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

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

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

Molecular and microbiological analysis of caecal microbiota in rats fed with diets supplemented either with prebiotics or probiotics.

International journal of food microbiology , Volume: 98 Issue: 3 2005 Feb 15

Authors Montesi A,García-Albiach R,Pozuelo MJ,Pintado C,Goñi I,Rotger R

Antibiotic susceptibility profiles of new probiotic Lactobacillus and Bifidobacterium strains.

International journal of food microbiology , Volume: 98 Issue: 2 2005 Feb 1

Authors Zhou JS,Pillidge CJ,Gopal PK,Gill HS

Emerging resistance among bacterial pathogens in the intensive care unit—a European and North American Surveillance study (2000-2002).

Annals of clinical microbiology and antimicrobials , Volume: 3 2004 Jul 29

Authors Jones ME,Draghi DC,Thornsberry C,Karlowsky JA,Sahm DF,Wenzel RP

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.

Trends in antimicrobial susceptibilities among Enterobacteriaceae isolated from hospitalized patients in the United States from 1998 to 2001.

Antimicrobial agents and chemotherapy , Volume: 47 Issue: 5 2003 May

Authors Karlowsky JA,Jones ME,Thornsberry C,Friedland IR,Sahm DF

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

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

High frequency of antibiotic resistance among Gram-negative isolates in intensive care units at 10 Swedish hospitals.

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 3 Issue: 2 1997 Apr

Authors Hanberger H,Nilsson LE,Swedish Study Group .

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

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

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

Antibiotic susceptibility of potentially probiotic Lactobacillus species.

Journal of food protection , Volume: 61 Issue: 12 1998 Dec

Authors Charteris WP,Kelly PM,Morelli L,Collins JK

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

- Soluble mannan and beta-glucan inhibit the uptake of Malassezia furfur by human monocytic cell line, THP-1
FEMS immunology and medical microbiology , Volume: 21 Issue: 3 1998 Jul
 Authors Suzuki T, Ohno N, Ohshima Y, Yodamae T
- Antibiotic susceptibility of potentially probiotic Bifidobacterium isolates from the human gastrointestinal tract.
Letters in applied microbiology , Volume: 26 Issue: 5 1998 May
 Authors Charteris WP, Kelly PM, Morelli L, Collins JK
- 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 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
- 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, Rossignol JF
- 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
- [A nationwide survey of antimicrobial susceptibilities of clinical isolates to antibiotics in Japan (1988-1990)].
The Japanese journal of antibiotics , Volume: 46 Issue: 6 1993 Jun
 Authors Igari J
- 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
- Comparative activities of the oxa-beta-lactam LY127935, cefotaxime, cefoperazone, cefamandole, and ticarcillin against multiply resistant gram-negative bacilli.
Antimicrobial agents and chemotherapy , Volume: 17 Issue: 2 1980 Feb
 Authors Hall WH, Opfer BJ, Gerding DN
- Enhancing effect on alkalization of the medium on the activity of erythromycin against gram-negative bacteria.
Applied microbiology , Volume: 16 Issue: 9 1968 Sep
 Authors Sabath LD, Lorian V, Gerstein D, Loder PB, Finland M
- 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
- [Antimicrobial activity of omidazole and 6 other antibiotics against anaerobic bacteria].
Enfermedades infecciosas y microbiología clínica , Volume: 9 Issue: 4 1991 Apr
 Authors Alados JC, Martínez-Brocal A, Miranda C, Rojo MD, García V, Domínguez MC, de la Rosa 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
- In vitro activities of 36 antimicrobial agents against clinically isolated Bacteroides fragilis.
Journal of the Formosan Medical Association = Taiwan yi zhi , Volume: 90 Issue: 8 1991 Aug
 Authors Teng LJ, Ho SW, Chang SC, Luh KT, Hsieh WC
- Fermentation of mucins and plant polysaccharides by anaerobic bacteria from the human colon.
Applied and environmental microbiology , Volume: 34 Issue: 5 1977 Nov
 Authors Salyers AA, West SE, Vercellotti JR, Wilkins TD
- In vitro activity of josamycin against aerobic gram-positive cocci and anaerobes.
Antimicrobial agents and chemotherapy , Volume: 9 Issue: 6 1976 Jun
 Authors Westerman EL, Williams TW Jr, Moreland N
- Infectious Disease and Antibacterial Agents
antimicrobe: Infectious Disease and Antibacterial 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