

Microbiome Information for: obsessive-compulsive disorder

For non-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

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of obsessive-compulsive disorder

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
Enterobacteriaceae	family	High	543	Parasutterella	genus	Low	577310
Lachnospiraceae	family	Low	186803	Peptococcus	genus	High	2740
Ruminococcaceae	family	Low	541000	Prevotella	genus	Low	838
Actinomyces	genus	Low	1654	Propionibacterium	genus	Low	1743
Aestuariaispira	genus	High	1647175	Pseudomonas	genus	Low	286
Agathobacter	genus	Low	1766253	Romboutsia	genus	Low	1501226
Alistipes	genus	High	239759	Slackia	genus	Low	84108
Anaeroplasma	genus	Low	2086	Staphylococcus	genus	High	1279
Anaerostipes	genus	Low	207244	Streptococcus	genus	High	1301
Barnesiella	genus	High	397864	Sutterella	genus	High	40544
Bifidobacterium	genus	Low	1678	Turicibacter	genus	Low	191303
Blautia	genus	Low	572511	Veillonella	genus	High	29465
Coprococcus	genus	Low	33042	[Ruminococcus] torques	species	Low	33039
Corynebacterium	genus	Low	1716	Akkermansia muciniphila	species	Low	239935
Desulfovermiculus	genus	High	339721	Bacteroides fragilis	species	High	817
Dorea	genus	Low	189330	Bacteroides ovatus	species	High	28116
Enhydrobacter	genus	Low	212791	Bacteroides uniformis	species	High	820
Enterobacter	genus	High	547	Bifidobacterium animalis	species	Low	28025
Enterococcus	genus	High	1350	Blautia obeum	species	High	40520
Enterorhabdus	genus	Low	580024	Clostridioides difficile	species	High	1496
Escherichia	genus	High	561	Coprococcus catus	species	High	116085
Eubacterium	genus	Low	1730	Escherichia coli	species	High	562
Holdemanella	genus	High	1573535	Eubacterium ventriosum	species	High	39496
Klebsiella	genus	High	570	Klebsiella pneumoniae	species	High	573
Lachnobacterium	genus	Low	140625	Limosilactobacillus reuteri	species	High	1598
Lachnospirillum	genus	High	1506553	Mediterraneibacter gnavus	species	Low	33038
Lachnospira	genus	High	28050	Methanobrevibacter smithii	species	Low	2173
Lactobacillus	genus	Low	1578	Mycoplasmoides pneumoniae	species	High	2104
Novosphingobium	genus	Low	165696	Phocaeicola vulgatus	species	High	821
Odoribacter	genus	Low	283168	Ruminococcus bromii	species	High	40518
Parabacteroides	genus	High	375288	Segatella copri	species	Low	165179
				Streptococcus pyogenes	species	High	1314

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.

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements} 400 mg/day

Ulmus rubra {slippery elm}

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine}
 (2->1)-beta-D-fructofuranan {Inulin}
 allium sativum {garlic}
 bacillus
 bacillus subtilis {B.Subtilis }
 bacillus,lactobacillus,streptococcus,saccharomyces probiotic
 bifidobacterium
 Bifidobacterium animalis {B. animalis}
 Bifidobacterium animalis subsp. lactis {B. Lactis}
 bifidobacterium longum {B.Longum }
 Bovine Milk Products {Dairy}
 Cinnamomum zeylanicum {Ceylon Cinnamon}
 Diferuloylmethane {Curcumin}
 fruit
 fruit/legume fibre
 green tea
 Hordeum vulgare {Barley}

Lactocaseibacillus casei {L. casei}
 Lactocaseibacillus paracasei {L.paracasei}
 Lactocaseibacillus rhamnosus {l. rhamnosus}
 Lactobacillus plantarum {L. plantarum}
 lactobacillus rhamnosus gg,bifidobacterium animalis lactis
 ,lactobacillus paracasei {cvs maximum strength probiotic}
 Limosilactobacillus fermentum {L. fermentum}
 Limosilactobacillus reuteri {L. Reuteri}
 oligosaccharides {oligosaccharides}
 origanum vulgare {oregano}
 pectin {pectin}
 polyphenols
 Propolis {Bee glue}
 Punica granatum {pomegranate}
 Thymus vulgaris {thyme}
 wheat
 yogurt
 Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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

[New Insights into the oral microbiota and host epigenetic changes in obsessive compulsive disorder and major depressive disorder: Focus on BDNF.](#)

Pharmacological research , Volume: 219 2025 Jul 30

Authors Girella A,Vismara M,O'Riordan KJ,Gunnigle E,Mercante F,Girone N,Pucci M,Gatta V,Konstantinidou F,Stuppia L,Cryan JF,Dell'Osso B,D'Addario C

[Sudden-Onset Acute Obsessive-Compulsive Disorder Associated with Streptococcus and Brain MRI Hyperintensity in a Young Adult.](#)

Healthcare (Basel, Switzerland) , Volume: 12 Issue: 2 2024 Jan 16

Authors Jory J,Handelman K

[Microbiome analysis of circulating bacterial extracellular vesicles in obsessive-compulsive disorder.](#)

Psychiatry and clinical neurosciences , Volume: 77 Issue: 12 2023 Dec

Authors Kang JI,Seo JH,Park CI,Kim ST,Kim YK,Jang JK,Kwon CO,Jeon S,Kim HW,Kim SJ

[Searching for host immune-microbiome mechanisms in obsessive-compulsive disorder: A narrative literature review and future directions.](#)

Neuroscience and biobehavioral reviews , Volume: 125 2021 Jun

Authors Troyer EA,Kohn JN,Ecklu-Mensah G,Aleti G,Rosenberg DR,Hong S

[Importance of Streptococci Infections in Childhood Neuropsychiatric Disorders.](#)

Sisli Etfal Hastanesi tip bulteni , Volume: 53 Issue: 4 2019

Authors Kirik S,Güngör O,Kirik Y

[The gut microbiome and inflammation in obsessive-compulsive disorder patients compared to age- and sex-matched controls: a pilot study.](#)

Acta psychiatrica Scandinavica , Volume: 142 Issue: 4 2020 Oct

Authors Turna J,Grosman Kaplan K,Anglin R,Patterson B,Soreni N,Bercik P,Surette MG,Van Ameringen M

[Natural compulsive-like behaviour in the deer mouse \(Peromyscus maniculatus bairdii\) is associated with altered gut microbiota composition.](#)

The European journal of neuroscience , Volume: 51 Issue: 6 2020 Mar

Authors Scheepers IM,Cryan JF,Bastiaanssen TFS,Rea K,Clarke G,Jaspan HB,Harvey BH,Hemmings SMJ,Santana L,van der Sluis R,Malan-Müller S,Wolmarans W

[Group A Streptococcal Infections Are Associated With Increased Risk of Pediatric Neuropsychiatric Disorders: A Taiwanese Population-Based Cohort Study.](#)

The Journal of clinical psychiatry , Volume: 77 Issue: 7 2016 Jul

Authors Wang HC,Lau CI,Lin CC,Chang A,Kao CH

[Anti-Basal Ganglia Antibodies and Streptococcal Infection in ADHD.](#)

Journal of attention disorders , Volume: 22 Issue: 9 2018 Jul

Authors Aguilera-Albesa S,Crespo-Eguílaz N,Del Pozo JL,Villoslada P,Sánchez-Carpintero R

[Challenges in the identification and treatment of PANDAS: a case series.](#)

Journal of tropical pediatrics , Volume: 55 Issue: 1 2009 Feb

Authors Mabrouk AA,Eapen V

[What every psychiatrist should know about PANDAS: a review.](#)

Clinical practice and epidemiology in mental health : CP & EMH , Volume: 4 2008 May 21

Authors Moretti G,Pasquini M,Mandarelli G,Tarsitani L,Biondi M

[Mycoplasma pneumoniae infection and obsessive-compulsive disease: a case report.](#)

Journal of child neurology , Volume: 23 Issue: 3 2008 Mar

Authors Ercan TE,Ercan G,Severge B,Arpaozu M,Karasu G

[Post-streptococcal autoimmune disorders of the central nervous system.](#)

Developmental medicine and child neurology , Volume: 47 Issue: 11 2005 Nov

Authors Dale RC

[Association between streptococcal infection and obsessive-compulsive disorder, Tourette's syndrome, and tic disorder.](#)

Pediatrics , Volume: 116 Issue: 1 2005 Jul

Authors Mell LK,Davis RL,Owens D

[Restless legs syndrome: association with streptococcal or mycoplasma infection.](#)

Pediatric neurology , Volume: 31 Issue: 2 2004 Aug

Authors Matsuo M,Tsuchiya K,Hamasaki Y,Singer HS

[Lactiseibacillus rhamnosus MS27 Potentially Prevents Ulcerative Colitis Through Modulation of Gut Microbiota.](#)

International journal of molecular sciences , Volume: 26 Issue: 23 2025 Nov 25

Authors Zhang J,Shen J, Ji L,Tan P,Liu C,Zhang X, Ma X

Effect of Limosilactobacillus reuteri SBC5-3 Cell-free Supernatant on Growth Performance, Intestinal Inflammation, and Microbiota in Weaned Piglets Challenged With Enterotoxigenic Escherichia coli K88.**Probiotics and antimicrobial proteins , 2025 Dec 10**

Authors Xu L,Bao G,Chen S,Liu C,Zi X,Hu M,Liu Q,Lin Q,Cao Z

Impact of dietary supplementation of Bacillus subtilis on the metabolic profiles and microbial ecology of weanling pigs experimentally infected with a pathogenic Escherichia coli.**Journal of animal science and biotechnology , Volume: 16 Issue: 1 2025 Dec 6**

Authors Kim K,Park S,Jinno C, Ji P,Liu Y

Regulatory effects of berberine on intestinal microecology in mice with ulcerative colitis.**Frontiers in microbiology , Volume: 16 2025**

Authors Xu X,Zhao B,Liu P,Tang X,Lai Z,Song N,Cheng J

Gut Microbiota Modulation by Lactocaseibacillus paracasei EFEL6501 Ameliorates Muscle Atrophy.**Journal of microbiology and biotechnology , Volume: 35 2025 Nov 26**

Authors Pyeon GN,Seong H,Moon JS,Han NS

Limosilactobacillus fermentum 2L Ameliorates Chronic Stress-Induced Neuroinflammation through Gut-Brain Axis Modulation in Mice.**Journal of microbiology and biotechnology , Volume: 35 2025 Nov 26**

Authors Joung JY,Cheon S,Song JG,Han C,So JS,Moon JK,Kim HW,Kim SH

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

Limosilactobacillus fermentum IOB802 Protects Against Blue Light-Induced Retinopathy via Gut Microbiota Modulation.**Nutrients , Volume: 17 Issue: 22 2025 Nov 11**

Authors Liu C,Zhao Y,Li J,Gao S,Cao J,Jing N,Han X,He H,Liang W,Wang N

Effect of Ningxiang pig-derived Lactobacillus reuteri supplementation on the growth performance, lipid metabolism, and gut microbiota of finishing pigs.**Porcine health management , 2025 Nov 25**

Authors Xie Q,Yang M,Duanmu Q,Feng L,Liu L,Yin Y,Tan BE,Chen J

Unveiling the survivability of probiotic CA15 strain with and without fluconazole co-administration and its effect on gut microbiota and metabolome through SHIME® model.**Food research international (Ottawa, Ont.) , Volume: 222 Issue: Pt 2 2025 Dec**

Authors Vaccalluzzo A,Celano G,Calabrese FM,Pino A,Caggia C,De Angelis M,Randazzo CL

Clostridium Butyricum and Bifidobacterium Supplementation Ameliorates Gut Dysbiosis and Cognitive-Anxiety Behaviors in Preterm Mice.**Probiotics and antimicrobial proteins , 2025 Nov 12**

Authors Qin D,Li H,Zang X,Yang S,Song L,Chen M,Xu G,Zhang 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

Bifidobacterium longum supplementation prevents intestinal inflammation and cognitive impairment in sleep-deprived mice by modulating clock gene expression.**Food & function , 2025 Nov 10**

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

Gut Microbiota 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 Higiyo C,Habyarimana T,Izere C,Yadufashije C,Niyonzima FN

Lactobacillus Reuteri L81 Alleviates Intestinal Barrier Damage Induced by Escherichia Coli K99 in Mice by Modulating Gut Microbiota Composition and Metabolic Products.**Probiotics and antimicrobial proteins , 2025 Nov 8**

Authors Li J,Peng H,Liang W,Chen L,Li Y,Zhang W

Multi-Strain Probiotics Alleviate Alcoholic Liver Disease Via Microbiota-Metabolism Axis: A Randomized Controlled Study.**Probiotics and antimicrobial proteins , 2025 Nov 3**

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

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

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

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

Lactobacillus paracasei N1115 alleviates hyperuricemia in mice: regulation of uric acid metabolism as well as its impact on gut microbiota and short-chain fatty acids.

Frontiers in nutrition , Volume: 12 2025

Authors Zhang H,Wang D,Li D,Bao B,Chen Q,Wang S,Han S,Zhao M

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

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

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

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,Kirkpinar F

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

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

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

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

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

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

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

Survival and Impact on Microbial Diversity of Lactocaseibacillus paracasei DG in a Simulation of Human Intestinal Microbial Ecosystem.

Nutrients , Volume: 17 Issue: 18 2025 Sep 13

Authors Duysburgh C,Fiore W,Marzorati M

In Vitro and In Silico Analysis of Differential Antibacterial Activity of Pomegranate Polyphenols Against Gram-Positive and Gram-Negative Bacteria.

Antibiotics (Basel, Switzerland) , Volume: 14 Issue: 9 2025 Sep 10

Authors Surucic R,Travar M,Kundakovic Vasovic T,Radovic Selgrad J,Surucic L,Momcilovic M,Stojiljkovic MP,Škrbic R

Lactobacillus fermentum Inhibits the Development of Colitis by Regulating the Intestinal Microbiota and Metabolites to Enhance the Intestinal Barrier and Decrease Inflammatory Responses.

International journal of molecular sciences , Volume: 26 Issue: 18 2025 Sep 19

Authors You X,Shi P,Liu W,Zheng M,Jin L,Liu W

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

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

Lactococcus lactis and Bifidobacterium longum attenuate Clostridioides difficile- or Clostridium symbiosum-induced colitis and depression/anxiety-like behavior in male mice.

Microbes and infection , 2025 Aug 28

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

Mango by-Product-Based High-Fiber Confectionery Attenuates Liver Steatosis and Alters Gut Microbiota in High-Fat Diet-Fed Rats.

Molecular nutrition & food research , 2025 Aug 30

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

[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

[The efficacy of lactobacillus reuteri in conjunction with racecadotril in managing pediatric rotavirus enteritis and its impact on intestinal mucosa and immune function.](#)

African health sciences , Volume: 25 Issue: 2 2025 Jun

Authors He Z,Lan L,Chen N,Cheng Y,Gong S

[Complex probiotics can reduce diarrhea by boosting immunity and balancing gut microbiota in weaned piglets.](#)

Frontiers in immunology , Volume: 16 2025

Authors Wang M,Zhou X,Hübertz Birch Hansen L,Sheng Y,Yu B,He J,Yu J,Zheng P

[Lactocaseibacillus paracasei L21 and Its Postbiotics Ameliorate Ulcerative Colitis Through Gut Microbiota Modulation, Intestinal Barrier Restoration, and HIF1a/AhR-IL-22 Axis Activation: Combined In Vitro and In Vivo Evidence.](#)

Nutrients , Volume: 17 Issue: 15 2025 Aug 1

Authors Chen J,Zhang L,Jiao Y,Lu X,Zhang N,Li X,Zheng S,Li B,Liu F,Zuo P

[Salivary pH Modulation and Antimicrobial Properties of Oregano-Oil Jelly in Relation to Menstrual and Menopausal Status.](#)

Nutrients , Volume: 17 Issue: 15 2025 Jul 29

Authors Potra Cicalau GI,Ciavoi G,Scrobota I,Venter ID,Ganea MF,Ghitea MC,Ghitea EC,Gitea MF,Ghitea TC,Nagy C,Pelea DC,Dobjanschi L,Gligor O,Moisa C,Ganea M

[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

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

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

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

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

Beneficial microbes , 2025 Jul 21

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

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

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

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

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

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

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

[Lactobacillus rhamnosus LRa05 Alleviates Constipation via Triaxial Modulation of Gut Motility, Microbiota Dynamics, and SCFA Metabolism.](#)

Foods (Basel, Switzerland) , Volume: 14 Issue: 13 2025 Jun 28

Authors Zhang J,Li Q,Liu S,Wang N,Song Y,Wu T,Zhang M

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

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

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

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

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

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

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

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

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

[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

[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

[Limosilactobacillus reuteri M4-100 Mitigates the Pathogenicity of Escherichia coli Strain HMLN-1 in an Intestinal Epithelial Model and Modulates Host Cell Gene Expression.](#)

Microorganisms , Volume: 13 Issue: 6 2025 Jun 19

Authors Asgari B, Bradford G, Hatje E, Kuballa A, Katouli M

[Investigation of the Mitigating Mechanism of Bifidobacterium longum 300 in d-Galactose-Induced Cognitive Impairment in Mice.](#)

Journal of agricultural and food chemistry , 2025 Jun 14

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

[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

[Impact of the Probiotic on the Modulation of Vaginal Bacterial and Fungal Microbiota in HPV-Positive Women.](#)

Molecular nutrition & food research , 2025 Jun 11

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

[Prebiotic potential of wheat and dark rye: modulation of gut microbiota and short-chain fatty acid-producing bacteria.](#)

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

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

[High doses of the galactooligosaccharides, 2'-fucosyllactose alleviate immunodeficiency in vitro and in vivo.](#)

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

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

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

MicrobiologyOpen , Volume: 14 Issue: 3 2025 Jun

Authors Quarta E, 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, Chiabrandò D, Herrera-Rincon C

[Impact of Ginger on Gut Microbiota Composition and Function in a Bacteroides-Dominant Enterotype.](#)

Journal of microbiology and biotechnology , Volume: 35 2025 May 26

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

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

Nutrients , Volume: 17 Issue: 10 2025 May 14

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

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

Nutrients , Volume: 17 Issue: 10 2025 May 8

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

[Bifidobacterium animalis Supplementation Improves Intestinal Barrier Function and Alleviates Antibiotic-Associated Diarrhea in Mice.](#)

Foods (Basel, Switzerland) , Volume: 14 Issue: 10 2025 May 11

Authors Du X, Liu M, Li J, Liu Y, Ge S, Gao H, Zhang M

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

Clinical nutrition ESPEN , Volume: 68 2025 May 16

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

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

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

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

Synergistic Biocidal Effects of Curcumin, Chitosan, and Nickel Titanate-Based Nanohybrids for Enhanced Antibacterial and Anticancer Therapies.

ACS applied bio materials , 2025 May 14

Authors Jeyasingh E,Panneerselvam HM,Chandrasekaran K,Moorthy S

Crosstalk Among Gut Microbiota, Fecal Metabolites, and Amygdala Neuropathology Genes After Ginger Polyphenol Administration in Female Rats with Neuropathic Pain: Evidence for Microbiota-Gut-Brain Connection.

Nutrients , Volume: 17 Issue: 9 2025 Apr 25

Authors Shen CL,Santos JM,Elmassry MM,Chen F, Ji G,Presto P,Kiritoshi T,Liu X,Neugebauer V

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

Efficacy of Limosilactobacillus reuteri UBLRu-87 in Infantile Colic and Its Symptoms: A Double-Blind, Placebo-Controlled Study.

Cureus , Volume: 17 Issue: 4 2025 Apr

Authors Venkataraman R,Kotyal Basvanyappa M,Samanta B,Yadla M,Ravi NA,Neelamraju J,Madempudi RS

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

Thyme oil-loaded chitosan microparticles: an antibacterial approach against pathogenic bacteria.

3 Biotech , Volume: 15 Issue: 5 2025 May

Authors Thakur A,Sharma K

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

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

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

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

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

Bioresource technology , 2025 Apr 12

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

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,Merik G,Inouye M,Lahti L,Niranen T,Männistö S,Havulinna A,Knight R,Salomaa V

Dry ginger and Schisandra chinensis modulate intestinal flora and bile acid metabolism to treatment asthma.

Frontiers in microbiology , Volume: 16 2025

Authors Yu Y,Geng S,Bu C,Cao G,Han Y,Xie D,Hong Y

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

Effects of Lactobacillus paracasei K56 on perceived stress among pregraduate students: a double-blind, randomized, placebo-controlled trial.

Frontiers in nutrition , Volume: 12 2025

Authors Guan Y,Zhu R,Zhao W,Wang L,You L,Zeng Z,Jiang Q,Zhu Z,Gou J,Zhang Q,Guo J,Li K,Zhao L,Li Y,Wang P,Fang B,Hung W,He J,Zhang L,Wang R,He J

Curcumin Ameliorated Glucocorticoid-Induced Osteoporosis While Modulating the Gut Microbiota and Serum Metabolome.

Journal of agricultural and food chemistry , 2025 Mar 26

Authors Li S,Zhang Y,Ding S,Chang J,Liu G,Hu S

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

[Chemical Characterization and Antibiotic-Enhancing Activity of the Essential Oils of Propolis of Melipona quadrifasciata quadrifasciata.](#)**Plants (Basel, Switzerland)** , Volume: 14 Issue: 4 2025 Feb 14

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

[Diet Supplementation with Pomegranate Fruit Alters Distal Gut Microbiota of Healthy Female College Students.](#)**Microorganisms** , Volume: 13 Issue: 2 2025 Jan 30

Authors Badow B,Shaaban ES,Rajakaruna S,Saleh Z,Abdelaziz SA,Hussein L,Paliy O

[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,Laghouchaouta 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

[The efficacy and underlying mechanisms of berberine in the treatment of recurrent Clostridioides difficile infection.](#)**International journal of antimicrobial agents** , Volume: 65 Issue: 5 2025 Feb 20

Authors Wang L,Xu T,Wu S,Zhao C,Huang H

[Exopolysaccharides from camel milk-derived Limosilactobacillus reuteri C66: Structural characterization, bioactive and rheological properties for food applications.](#)**Food chemistry: X** , Volume: 25 2025 Jan

Authors Kober AKMH,Abdin M,Subhash A,Liu SQ,Dertli E,Abu-Jdayil B,Show PL,Ayyash M

[Effect of dietary supplementation of Bacillus subtilis QST 713 on constipation, reproductive performance and offspring growth performance of sows.](#)**Animal reproduction science** , Volume: 274 2025 Mar

Authors Li F,Wu D,Ma K,Wei T,Wu J,Zhou S,Xiang S,Zhu Z,Zhang X,Tan C,Luo H,Deng J

[Lactobacillus fermentum 016 Alleviates Mice Colitis by Modulating Oxidative Stress, Gut Microbiota, and Microbial Metabolism.](#)**Nutrients** , Volume: 17 Issue: 3 2025 Jan 26

Authors Pan H,Yang S,Kulyar MF,Ma H,Li K,Zhang L,Mo Q,Li J

[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

[Protective Potential of Limosilactobacillus fermentum Strains and Their Mixture on Inflammatory Bowel Disease via Regulating Gut Microbiota in Mice.](#)**Journal of microbiology and biotechnology** , Volume: 35 2024 Dec 10

Authors Joung JY,Choi K,Lee JH,Oh NS

[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,Motył I,Oracz J

[Curcumin Mitigates Gut Dysbiosis and Enhances Gut Barrier Function to Alleviate Metabolic Dysfunction in Obese, Aged Mice.](#)**Biology** , Volume: 13 Issue: 12 2024 Nov 21

Authors Lamichhane G,Olawale F,Liu J,Lee DY,Lee SJ,Chaffin N,Alake S,Lucas EA,Zhang G,Egan JM,Kim Y

[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

[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

[Impact of calsporin® \(Bacillus subtilis C-3102\) supplementation on growth performance and intestinal function in geese.](#)

Poultry science , Volume: 104 Issue: 2 2025 Feb

Authors Li G,Wang H,Wang X,Yang L,Xu G,He D

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

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

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

[Study on the Mechanism of Bifidobacterium animalis subsp. lactis F1-3-2 Regulating Bile Acid Metabolism Through TMA-TMAO Pathway to Improve Atherosclerosis.](#)

Probiotics and antimicrobial proteins , 2024 Dec 21

Authors Zheng X,Zhang Z,Shan T,Zhao M,Lu H,Zhang L,Liang X

[Antimicrobial activities of seasonally collected bee products: honey, propolis, royal jelly, venom, and mellitin.](#)

Brazilian journal of biology = Revista brasleira de biologia , Volume: 84 2024

Authors Obeidat M,Haddad MA,Ghnamat SA

[Amelioration of inflammatory bowel disease by Bifidobacterium animalis subsp. lactis XLTG11 in combination with mesalazine.](#)

Frontiers in microbiology , Volume: 15 2024

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

[Clinical Efficacy of Probiotics for Allergic Rhinitis: Results of an Exploratory Randomized Controlled Trial.](#)

Nutrients , Volume: 16 Issue: 23 2024 Nov 30

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

[A Novel Supplement Consisting of Rice, Silkworm Pupae and a Mixture of Ginger and Holy Basil Improves Post-Stroke Cognitive Impairment.](#)

Nutrients , Volume: 16 Issue: 23 2024 Nov 29

Authors Thongwong P,Wattanathorn J,Thukham-Mee W

[Effect of Lactobacillus paracasei LK01 on Growth Performance, Antioxidant Capacity, Immunity, Intestinal Health, and Serum Biochemical Indices in Broilers.](#)

Animals : an open access journal from MDPI , Volume: 14 Issue: 23 2024 Dec 1

Authors Liu W,Cheng H,Zhang H,Liu G,Yin X,Zhang C,Jiang R,Wang Z,Ding X

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

Food chemistry , Volume: 468 2025 Mar 15

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

[Wheat \$\beta\$ -glucan reduces obesity and hyperlipidemia in mice with high-fat and high-salt diet by regulating intestinal flora.](#)

International journal of biological macromolecules , Volume: 288 2025 Feb

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

[Limosilactobacillus Fermentum ZS09 Can Improve Antibiotic-Induced Motor Dysfunction in Mice by Regulating the Brain-Gut Functions.](#)

Journal of inflammation research , Volume: 17 2024

Authors Yang Y,Zhao Y,Lei H,Tan X

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

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

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

[The probiotic Lactobacillus plantarum alleviates colitis by modulating gut microflora to activate PPAR \$\gamma\$ and inhibit MAPKs/NF- \$\kappa\$ 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 Kodera M,Nakamura K,Yokoyama S

[Zingiber officinale Uncovered: Integrating Experimental and Computational Approaches to Antibacterial and Phytochemical Profiling.](#)

Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 11 2024 Nov 19

Authors Sulieman AME,Ibrahim SM,Alshammari M,Abdulaziz F,Idriss H,Alanazi NAH,Abdallah EM,Siddiqui AJ,Shommo SAM,Jamal A,Badraoui R

Antimicrobial Activity of Origanum vulgare Essential Oil against Staphylococcus aureus and Escherichia coli.**Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 11 2024 Oct 25**

Authors Tejada-Muñoz S,Cortez D,Rascón J,Chavez SG,Caetano AC,Díaz-Manchay RJ,Sandoval-Bances J,Huyhua-Gutierrez S,Gonzales L,Chenet SM,Tapia-Limonchi R

Probiotic-Loaded Bacterial Cellulose as an Alternative to Combat Carbapenem-Resistant Bacterial Infections.**Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 11 2024 Oct 25**

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

Lactacaseibacillus rhamnosus LRa05 alleviates cyclophosphamide-induced immunosuppression and intestinal microbiota disorder in mice.**Journal of food science , Volume: 89 Issue: 12 2024 Dec**

Authors Zhu M,Yang L,Kong S,Bai Y,Zhao B

Tea Polyphenols Reduced Obesity by Modulating Gut Microbiota-SCFAs-Barrier and Inflammation in High-Fat Diet-Induced Mice.**Molecular nutrition & food research , Volume: 68 Issue: 24 2024 Dec**

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

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

Daily intake of a dairy-based nutritional supplement improved self-reported gastrointestinal symptoms and modulated microbiota in adult Chinese volunteers.**Scientific reports , Volume: 14 Issue: 1 2024 Nov 19**

Authors Borewicz K,Zhao Y,Zhu Y

Limosilactobacillus fermentum KBL674 Alleviates Vaginal Candidiasis.**Probiotics and antimicrobial proteins , 2024 Nov 19**

Authors Jang SJ,Jo EJ,Lee C,Cho BR,Shin YJ,Song JS,Kim WK,Lee N,Lee H,Park S,Ko G

Bifidobacterium longumBL-19 inhibits oxidative stress and inflammatory damage in the liver of mice with NAFLD by regulating the production of butyrate in the intestine.**Food science & nutrition , Volume: 12 Issue: 9 2024 Sep**

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

Protective effect of a newly probiotic Lactobacillus reuteri LY2-2 on DSS-induced colitis.**European journal of nutrition , Volume: 64 Issue: 1 2024 Nov 15**

Authors Yang Y,Qiao Y,Liu G,Yi G,Liu H,Zhang T,Tong M

Investigating antibacterial and anti-inflammatory properties of synthetic curcuminoids.**Frontiers in medicine , Volume: 11 2024**

Authors Veselá K,Kejřík Z,Abramenko N,Kaplánek R,Jakubek M,Petrlova J

A Novel Synbiotic Protects Against DSS-Induced Colitis in Mice via Anti-inflammatory and Microbiota-Balancing Properties.**Probiotics and antimicrobial proteins , 2024 Nov 7**

Authors Yang Y,Qiao Y,Liu G,Chen W,Zhang T,Liu J,Fan W,Tong M

Growth assessment of mixed cultures of probiotics and common pathogens.**Anaerobe , 2023 Oct 28**

Authors Fredua-Agyeman M,Stapleton P,Gaisford S

Microbiota-Focused Dietary Approaches to Support Health: A Systematic Review.**The Journal of nutrition , Volume: 155 Issue: 2 2025 Feb**

Authors Hindle VK,Veasley NM,Holscher HD

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

Gastroprotective effects of Pediococcus acidilactici GKA4 and Lactobacillus brevis GKL93 against ethanol-induced gastric ulcers via regulation of the immune response and gut microbiota in mice.**Food & function , Volume: 15 Issue: 23 2024 Nov 25**

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

Lecithin-based mixed polymeric micelles for activity improvement of curcumin against Staphylococcus aureus.**Journal of biomaterials science. Polymer edition , 2024 Oct 26**

Authors Jia Y,Li Y,Wang M,Wang F,Liu Q,Song Z

Bifidogenic Effect of Human Milk Oligosaccharides on Pediatric IBD Fecal Microbiota.**Microorganisms , Volume: 12 Issue: 10 2024 Sep 30**

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

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

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

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

Oregano essential oil and Bacillus subtilis role in enhancing broiler's growth, stress indicators, intestinal integrity, and gene expression under high stocking density.**Scientific reports , Volume: 14 Issue: 1 2024 Oct 25**

Authors Elbaz AM,El-Sonousy NK,Arafa AS,Sallam MG,Ateya A,Abdelhady AY

Characterization of thyme essential oil microcapsules and potato starch/pectin composite films and their impact on the quality of chilled mutton.**Food chemistry , Volume: 464 Issue: Pt 2 2025 Feb 1**

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

Lactacaseibacillus paracasei NCU-04 relieves constipation and the depressive-like behaviors induced by loperamide in mice through the microbiome-gut-brain axis.**Current research in food science , Volume: 9 2024**

Authors Li S,Li Y,Cai Y,Yan Z,Wei J,Zhang H,Yue F,Chen T

Supplementation of curcumin promotes the intestinal structure, immune barrier function and cecal microbiota composition of laying hens in early laying period.**Poultry science , Volume: 103 Issue: 12 2024 Sep 24**

Authors Xu Z,Zhu W,Xu D,Amevor FK,Wu Y,Ma D,Cao X,Wei S,Shu G,Zhao X

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

Oral delivery of electrohydrodynamically encapsulated Lactiplantibacillus plantarum CRD7 modulates gut health, antioxidant activity, and cytokines-related inflammation and immunity in mice.**Food & function , 2024 Oct 11**

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

Effects of iron supplements and iron-containing micronutrient powders on the gut microbiome in Bangladeshi infants: a randomized controlled trial.**Nature communications , Volume: 15 Issue: 1 2024 Oct 5**

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

Garlic Bioconverted by Bacillus subtilis Stimulates the Intestinal Immune System and Modulates Gut Microbiota Composition.**Molecular nutrition & food research , Volume: 68 Issue: 20 2024 Oct**

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

Alginate Oligosaccharides Enhance Gut Microbiota and Intestinal Barrier Function, Alleviating Host Damage Induced by Deoxynivalenol in Mice.**The Journal of nutrition , Volume: 154 Issue: 11 2024 Nov**

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

Gastrointestinal microbiota and metabolites responses to dietary cereal grains in an adult pig model.**Frontiers in microbiology , Volume: 15 2024**

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

Combination of Lactiplantibacillus Plantarum ELF051 and Astragalus Polysaccharides Improves Intestinal Barrier Function and Gut Microbiota Profiles in Mice with Antibiotic-Associated Diarrhea.**Probiotics and antimicrobial proteins , 2024 Oct 1**

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

Berberine alleviates ETEC-induced intestinal inflammation and oxidative stress damage by optimizing intestinal microbial composition in a weaned piglet model.**Frontiers in immunology , Volume: 15 2024**

Authors Wang Y,Zhang Z,Du M, Ji X,Liu X,Zhao C,Pang X,Jin E,Wen A,Li S,Zhang F

Barley β -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

Novel approach for ameliorating high-fat diet-induced syndromes via probiotic-fermented oyster mushroom: from metabolites and microbiota to regulation mechanisms.

Food & function , Volume: 15 Issue: 20 2024 Oct 14

Authors Dai Z,Lin Y,Chen G,Yu P,Wu H,Ning M,Blanchard C,Zhou Z

Substitutive Effects of Milk vs. Vegetable Milk on the Human Gut Microbiota and Implications for Human Health.

Nutrients , Volume: 16 Issue: 18 2024 Sep 14

Authors Mondragon Portocarrero ADC,Lopez-Santamarina A,Lopez PR,Ortega ISI,Duman H,Karav S,Miranda JM

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

Effect of Lactocaseibacillus rhamnosus IDCC 3201 on irritable bowel syndrome with constipation: a randomized, double-blind, and placebo-controlled trial.

Scientific reports , Volume: 14 Issue: 1 2024 Sep 27

Authors Kwon H,Nam EH,Kim H,Jo H,Bang WY,Lee M,Shin H,Kim D,Kim J,Kim H,Lee J,Jung YH,Yang J,Won DD,Shin M

Lactocaseibacillus rhamnosus KY16 Improves Depression by Promoting Intestinal Secretion of 5-HTP and Altering the Gut Microbiota.

Journal of agricultural and food chemistry , 2024 Sep 23

Authors Xie S,Wang C,Song J,Zhang Y,Wang H,Chen X,Suo H

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

Differential growth enhancement followed by notable microbiota modulation in growing-finishing pigs by Bacillus subtilis strains ps4060, ps4100, and a 50:50 strain mixture.

PloS one , Volume: 19 Issue: 9 2024

Authors Song JH,Park SS,Kim IH,Cho Y

A probiotic Limosilactobacillus fermentum GR-3 mitigates colitis-associated tumorigenesis in mice via modulating gut microbiome.

NPJ science of food , Volume: 8 Issue: 1 2024 Sep 6

Authors Zhou T,Wu J,Khan A,Hu T,Wang Y,Salama ES,Su S,Han H,Jin W,Li X

Bacillus licheniformis suppresses Clostridium perfringens infection via modulating inflammatory response, antioxidant status, inflammasome activation and microbial homeostasis in broilers.

Poultry science , Volume: 103 Issue: 11 2024 Aug 21

Authors Xiao X,Qin S,Cui T,Liu J,Wu Y,Zhong Y,Yang C

Isolation and Identification of Human Gut Bacteria Capable of Converting Curcumin to Its Hydrogenated Metabolites.

Journal of agricultural and food chemistry , Volume: 72 Issue: 37 2024 Sep 18

Authors Luo M,Wong S,Thanuphol P,Du H,Han Y,Lin M,Guo X,Bechtel TD,Gibbons JG,Xiao H

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

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

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

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

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

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

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

Frontiers in nutrition , Volume: 11 2024

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

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

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

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

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

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

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

[Role and mechanism of Lactobacillus casei in the modulation of alcohol preference in mice.](#)

International immunopharmacology , Volume: 141 2024 Nov 15

Authors Li Y,Yang J,Guo L

[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

[Integration of microbiome, metabolomics and transcriptome for in-depth understanding of berberine attenuates AOM/DSS-induced colitis-associated colorectal cancer.](#)

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 179 2024 Oct

Authors Wang M,Ma Y,Yu G,Zeng B,Yang W,Huang C,Dong Y,Tang B,Wu Z

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

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

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

[Effects of varying wheat levels on growth performance, intestinal barrier, and cecal microbiota of broilers.](#)

Frontiers in veterinary science , Volume: 11 2024

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

[Probio-M9, a breast milk-originated probiotic, alleviates mastitis and enhances antibiotic efficacy: Insights into the gut-mammary axis.](#)

iMeta , Volume: 3 Issue: 4 2024 Aug

Authors Yu J,Li W,Xu R,Liu X,Gao G,Kwok LY,Chen Y,Sun Z,Liu W,Zhang H

[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

[Characterization and antioxidant activity of nano-formulated berberine and cyperus rotundus extracts with anti-inflammatory effects in mastitis-induced rats.](#)

Scientific reports , Volume: 14 Issue: 1 2024 Aug 9

Authors Hashem AE,Elmasry IH,Lebda MA,El-Karim DRSG,Hagar M,Ebied SKM,Alotaibi BS,Rizk NI,Ghamry HI,Shukry M,Edres HA

[The alleviative effects of viable and inactive Lactobacillus paracasei CCFM1120 against alcoholic liver disease via modulation of gut microbiota and the Nrf2/HO-1 and TLR4/MyD88/NF- \$\kappa\$ B pathways.](#)

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

Authors Niu B,Feng Y,Cheng X,Xiao Y,Zhao J,Lu W,Tian F,Chen W

[Berberine attenuates 5-fluorouracil-induced intestinal mucosal injury by modulating the gut microbiota without compromising its anti-tumor efficacy.](#)

Heliyon , Volume: 10 Issue: 14 2024 Jul 30

Authors Wu C,Yang J,Ye C,Wu H,Shu W,Li R,Wang S,Lu Y,Chen H,Zhang Z,Yao Q

[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 CH₄ 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,A mole TA,Guo X

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

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

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

[Probiotic Limosilactobacillus reuteri KUB-AC5 decreases urothelial cell invasion and enhances macrophage killing of uropathogenic Escherichia coli in vitro study.](#)

Frontiers in cellular and infection microbiology , Volume: 14 2024

Authors Tantibhadrasapa A,Li S,Buddhasiri S,Sukjoi C,Mongkolkarvin P,Boonpan P,Wongpalee SP,Paenkaew

P,Sutheeworapong S,Nakphaichit M,Nitisinprasert S,Hsieh MH,Thiennimitr P

[Exploring the anti-inflammatory effects of postbiotic proteins from Lactobacillus delbrueckii CIDCA 133 on inflammatory bowel disease model.](#)

International journal of biological macromolecules , Volume: 277 Issue: Pt 2 2024 Jul 26

Authors Freitas ADS,Barroso FAL,Campos GMI,Américo MF,Viegas RCDS,Gomes GC,Vital KD,Fernandes SOA,Carvalho RDO,Jardin J,Miranda APGDS,Ferreira E,Martins FS,Laguna JG,Jan G,Azevedo V,de Jesus LCL

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

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

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

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

Microorganisms , Volume: 12 Issue: 7 2024 Jul 6

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

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

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

Authors Oliveira RD, Araújo C, Almeida-Aguiar C

Preventive effects of a nutraceutical mixture of berberine, citrus and apple extracts on metabolic disturbances in Zucker fatty rats.

PloS one , Volume: 19 Issue: 7 2024

Authors Siliman Misha M, Destrumelle S, Le Jan D, Mansour NM, Fizanne L, Ouguerram K, Desfontis JC, Mallem MY

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, Tapaamorndech 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

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

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

Lactobacillus rhamnosus NKU FL1-8 Isolated from Infant Feces Ameliorates the Alcoholic Liver Damage by Regulating the Gut Microbiota and Intestinal Barrier in C57BL/6J Mice.

Nutrients , Volume: 16 Issue: 13 2024 Jul 4

Authors Liu H, Fan D, Wang J, Wang Y, Li A, Wu S, Zhang B, Liu J, Wang S

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

Investigating the physicochemical, antimicrobial and antioxidant properties of chitosan film containing zero-valent iron nanoparticles and oregano essence.

Biopolymers , Volume: 115 Issue: 6 2024 Nov

Authors Khodaparast FK, Pirsá S, Toupchi FM, Mohtarami F

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

Inhibitory effect of polyphenols from sumac, pomegranate and Indian almond on urease producing bacteria and jack bean urease activity.

International journal of biological macromolecules , Volume: 276 Issue: Pt 1 2024 Sep

Authors Haq MA, Nazir M, Jabeen G, Jabeen N, Naz S, Nawaz H, Xu J

Microbiome and metabolome analyses reveal significant alterations of gut microbiota and bile acid metabolism in ETEC-challenged weaned piglets by dietary berberine supplementation.

Frontiers in microbiology , Volume: 15 2024

Authors Nie X, Lu Q, Yin Y, He Z, Bai Y, Zhu C

A neurotherapeutic approach with Lactacaseibacillus rhamnosus E9 on gut microbiota and intestinal barrier in MPTP-induced mouse model of Parkinson's disease.

Scientific reports , Volume: 14 Issue: 1 2024 Jul 4

Authors Aktas B,Aslim B,Ozdemir DA

Lactacaseibacillus rhamnosus LRa05 alleviated liver injury in mice with alcoholic fatty liver disease by improving intestinal permeability and balancing gut microbiota.

Beneficial microbes , Volume: 15 Issue: 5 2024 Jul 3

Authors Gu J,Chen Y,Wang J,Gao Y,Gai Z,Zhao Y,Xu F

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

Probiotics and antimicrobial proteins , 2024 Jul 2

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

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

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

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

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

Inclusion of Lactacaseibacillus paracasei NSMJ15 in broiler diets induces changes in jejunal immune cell population and cecal microbiota.

Animal bioscience , Volume: 37 Issue: 12 2024 Dec

Authors Yoon JH,Joo SS,An SH,Ban BC,Jung M,Je W,Jung JY,Kim M,Kong C

Effects of compatibility of Clostridium butyricum and Bacillus subtilis on growth performance, lipid metabolism, antioxidant status and cecal microflora of broilers during the starter phase.

Animal bioscience , Volume: 37 Issue: 11 2024 Nov

Authors Zhao X,Zhuang J,Zhang F,Li H,Yu J,Wang C,Lv T,Li Q,Zhang J

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

Lactobacillus delbrueckii Ameliorated Blood Lipids via Intestinal Microbiota Modulation and Fecal Bile Acid Excretion in a Ningxiang Pig Model.

Animals : an open access journal from MDPI , Volume: 14 Issue: 12 2024 Jun 17

Authors Hou G,Wei L,Li R,Chen F,Yin J,Huang X,Yin Y

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

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

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

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

Metabolites , Volume: 14 Issue: 6 2024 May 29

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

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

Journal of ethnopharmacology , Volume: 333 2024 Jun 21

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

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

Meat science , Volume: 216 2024 Oct

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

Effects of cyclic antimicrobial lipopeptides from Bacillus subtilis on growth performance, intestinal morphology, and cecal gene expression and microbiota community in broilers.

Animal science journal = Nihon chikusan Gakkaiho , Volume: 95 Issue: 1 2024 Jan-Dec

Authors Chen HW,Yu YH

The Effect of Bifidobacterium animalis subsp. lactis MN-Gup on Glucose Metabolism, Gut Microbiota, and Their Metabolites in Type 2 Diabetic Mice.

Nutrients , Volume: 16 Issue: 11 2024 May 29

Authors Zhang C,Fang B,Zhang N,Zhang Q,Niu T,Zhao L,Sun E,Wang J,Xiao R,He J,Li S,Chen J,Guo J,Xiong W,Wang 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

Lactocaseibacillus paracasei LC86 mitigates age-related muscle wasting and cognitive impairment in SAMP8 mice through gut microbiota modulation and the regulation of serum inflammatory factors.

Frontiers in nutrition , Volume: 11 2024

Authors Cai Y,Dong Y,Han M,Jin M,Liu H,Gai Z,Zou K

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

Reduction in Serum Concentrations of Uremic Toxins Driven by Bifidobacterium Longum Subsp. Longum BL21 is Associated with Gut Microbiota Changes in a Rat Model of Chronic Kidney Disease.

Probiotics and antimicrobial proteins , 2024 Jun 3

Authors Dong Y,Gai Z,Han M,Xu J,Zou K

Lactiplantibacillus plantarum JS19-adjunctly fermented goat milk alleviates D-galactose-induced aging by modulating oxidative stress and intestinal microbiota in mice.

Journal of dairy science , 2024 May 31

Authors He C,Mao Y,Wei L,Zhao A,Chen L,Zhang F,Cui X,Pan MH,Wang B

Unveiling the influence of a probiotic combination of Heyndrickxia coagulans and Lactocaseibacillus casei on healthy human gut microbiota using the TripleSHIME® system.

Microbiological research , Volume: 285 2024 Aug

Authors Goya-Jorge E,Gonza I,Bondue P,Druart G,Al-Chihab M,Boutaleb S,Douny C,Taminiau B,Daube G,Scippo ML,Thonart P,Delcenserie V

Modulation of Gut Microbial Community and Metabolism by Bacillus licheniformis HD173 Promotes the Growth of Nursery Piglets Model.

Nutrients , Volume: 16 Issue: 10 2024 May 15

Authors Li J,Tian C,Feng S,Cheng W,Tao S,Li C,Xiao Y,Wei H

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

Bifidobacterium longum S3 alleviates loperamide-induced constipation by modulating intestinal acetic acid and stearic acid levels in mice.

Food & function , Volume: 15 Issue: 11 2024 Jun 4

Authors Zhang T,Lu H,Cheng T,Wang L,Wang G,Zhang H,Chen W

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

Nanoemulsion of cinnamon oil to combat colistin-resistant Klebsiella pneumoniae and cancer cells.

Microbial pathogenesis , Volume: 192 2024 Jul

Authors El-Sherbiny GM,Kalaba MH,Foda AM,M E S,Youssef ASE,A Elsehemy I,Farghal EE,El-Fakharany EM

Short-term supplementation with uncoated and encapsulated Enterococcus faecium affected growth performance, gut microbiome and intestinal barrier integrity in broiler chickens.

Poultry science , Volume: 103 Issue: 7 2024 Jul

Authors Zhang Y,Liu Y,Jiao S,Wang Y,Sa R,Zhao F,Xie J

Mechanisms of epigallocatechin gallate (EGCG) in ameliorating hyperuricemia: insights into gut microbiota and intestinal function in a mouse model.

Food & function , Volume: 15 Issue: 11 2024 Jun 4

Authors Yu H,Lou Z,Wu T,Wan X,Huang H,Wu Y,Li B,Tu Y,He P,Liu J

Inulin supplementation exhibits increased muscle mass via gut-muscle axis in children with obesity: double evidence from clinical and in vitro studies.

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

Authors Visuthranukul C,Leelahavanichkul A,Tepaamorndech S,Chamni S,Mekangkul E,Chomtho S

Fermented Milk Containing Lactocaseibacillus rhamnosus SNU50430 Modulates Immune Responses and Gut Microbiota in Antibiotic-Treated Mice.

Journal of microbiology and biotechnology , Volume: 34 Issue: 6 2024 Jun 28

Authors Yoon S,Park S,Jung SE,Lee C,Kim WK,Choi ID,Ko G

Impact of whole grain highland hull-less barley on the denaturing gradient gel electrophoresis profiles of gut microbial communities in rats fed high-fat diets.

Microbiology spectrum , Volume: 12 Issue: 6 2024 Jun 4

Authors Xia X,Lu J,Chen X,Zhou L,Huang Y,Ding S,Li G

Chlorogenic Acid/Linoleic Acid-Fortified Wheat-Resistant Starch Ameliorates High-Fat Diet-Induced Gut Barrier Damage by Modulating Gut Metabolism.

Journal of agricultural and food chemistry , Volume: 72 Issue: 20 2024 May 22

Authors Guo Q,Chen L,Liu Z,Zheng B

The impact of bacillus pumilus TS2 isolated from yaks on growth performance, gut microbial community, antioxidant activity, and cytokines related to immunity and inflammation in broilers.

Frontiers in veterinary science , Volume: 11 2024

Authors Guo C,Liu S,Di L,Tang S

Lactobacillus delbrueckii CIDCA 133 fermented milk modulates inflammation and gut microbiota to alleviate acute colitis.

Food research international (Ottawa, Ont.) , Volume: 186 2024 Jun

Authors de Jesus LCL,Freitas ADS,Dutra JDCF,Campos GIM,Américo MF,Laguna JG,Dornelas EG,Carvalho RDO,Vital

KD,Fernandes SOA,Cardoso VN,de Oliveira JS,de Oliveira MFA,Faria AMC,Ferreira E,Souza RO,Martins FS,Barroso FAL,Azevedo V

Administering Lactiplantibacillus fermentum F6 decreases intestinal Akkermansia muciniphila in a dextran sulfate sodium-induced rat colitis model.

Food & function , 2024 May 10

Authors He Q,Zhang T,Zhang W,Feng C,Kwok LY,Zhang H,Sun Z

A methyl esterase from Bifidobacterium longum subsp. longum reshapes the prebiotic properties of apple pectin by triggering differential modulatory capacity in faecal cultures.

Microbial biotechnology , Volume: 17 Issue: 5 2024 May

Authors Calvete-Torre I,Sabater C,Muñoz-Almagro N,Campelo AB,Moreno FJ,Margolles A,Ruiz L

An In Vitro Evaluation of the Effect of Bifidobacterium longum L556 on Microbiota Composition and Metabolic Properties in Patients with Coronary Heart Disease (CHD).

Probiotics and antimicrobial proteins , 2024 May 9

Authors Yang L,Wu Y,Zhao X,Liang T,Li L,Yang J,Jiang T,Zhang T,Zhang J,Zhong H,Xie X,Wu Q

Antimicrobial activity of Cinnamomum zeylanicum essential oil against colistin-resistant gram-negative bacteria.

International journal of environmental health research , 2024 May 2

Authors Ben Selma W,Ferjeni S,Farouk A,Marzouk M,Boukadida J

Determination of total phenolics, flavonoids, and testing of antioxidant and antibacterial activities of red ginger (Zingiber officinale var. Rubrum).

Journal of advanced veterinary and animal research , Volume: 11 Issue: 1 2024 Mar

Authors Haroen U,Syafwan S,Kurniawan K,Budiansyah A

Beneficial Effects of Dietary Fiber in Young Barley Leaf on Gut Microbiota and Immunity in Mice.

Molecules (Basel, Switzerland) , Volume: 29 Issue: 8 2024 Apr 22

Authors Chudan S,Kurakawa T,Nishikawa M,Nagai Y,Tabuchi Y,Ikushiro S,Furusawa Y

Bifidobacterium longum K5 Prevents Enterohaemorrhagic Escherichia coli O157:H7 Infection in Mice through the Modulation of the Gut Microbiota.

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

Authors Liu D,Li C,Cao T,Lv X,Yue Y,Li S,Cheng Y,Liu F,Huo G,Li B

Antitumor Effect and Gut Microbiota Modulation by Quercetin, Luteolin, and Xanthohumol in a Rat Model for Colorectal Cancer Prevention.

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

Authors Pérez-Valero Á,Magadán-Corpas P,Ye S,Serna-Diestro J,Sordon S,Huszcz E,Poplonski J,Villar CJ,Lombó F

Bifidobacterium longum Subsp. infantis Promotes IgA Level of Growing Mice in a Strain-Specific and Intestinal Niche-Dependent Manner.

Nutrients , Volume: 16 Issue: 8 2024 Apr 12

Authors Ding M,Li B,Chen H,Ross RP,Stanton C,Zhao J,Chen W,Yang B

A Mix of Potentially Probiotic Limosilactobacillus fermentum Strains Alters the Gut Microbiota in a Dose- and Sex-Dependent

Manner in Wistar Rats.**Microorganisms** , Volume: 12 Issue: 4 2024 Mar 26

Authors Carneiro Dos Santos LA,Carvalho RDO,Cruz Neto JPR,de Albuquerque Lemos DE,de Oliveira KÁR,Sampaio KB,de Luna Freire MO,Aburjaile FF,Azevedo VAC,de Souza EL,de Brito Alves JL

Influence of Gelatin and Propolis Extract on Honey Gummy Jelly Properties: Optimization Using D-Optimal Mixture Design.**Gels (Basel, Switzerland)** , Volume: 10 Issue: 4 2024 Apr 21

Authors Kaewpetch K,Yolsuriyan S,Disayathanoowat T,Phokasem P,Jannu T,Renaldi G,Samakradhamrongthai RS

Functional evaluation of Bacillus licheniformis PF9 for its potential in controlling enterotoxigenic Escherichia coli in weaned piglets.**Translational animal science** , Volume: 8 2024

Authors Xu H,Gong J,Lu P,Azevedo P,Li L,Yu H,Yang C

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

Enterococcus faecium supplementation prevents enteritis caused by Escherichia coli in goats.**Beneficial microbes** , Volume: 14 Issue: 5 2023 Oct 30

Authors Dong J,Jiang Y,Li Z,Liu K,Guo L,Cui L,Wang H,Li J

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

Antianging Effects of Human Fecal Transplants with Different Combinations of Bifidobacterium bifidum LTBB21J1 and Lactobacillus casei LTL1361 in d-Galactose-Induced Mice.**Journal of agricultural and food chemistry** , Volume: 72 Issue: 17 2024 May 1

Authors Zhou F,Zhang Q,Zheng X,Shi F,Ma K,ji F,Meng N,Li R,Lv J,Li Q

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

Tea Polyphenol Epigallocatechin Gallate Protects Against Nonalcoholic Fatty Liver Disease and Associated Endotoxemia in Rats via Modulating Gut Microbiota Dysbiosis and Alleviating Intestinal Barrier Dysfunction and Related Inflammation.**Journal of agricultural and food chemistry** , 2024 Apr 12

Authors Zuo G,Chen M,Zuo Y,Liu F,Yang Y,Li J,Zhou X,Li M,Huang JA,Liu Z,Lin Y

Lactocaseibacillusparacasei BNCC345679 revolutionizes DSS-induced colitis and modulates gut microbiota.**Frontiers in microbiology** , Volume: 15 2024

Authors Ahmad W,Din AU,Khan TM,Rehman MU,Hassan A,Aziz T,Alharbi M,Wu J

Bacillus coagulans regulates gut microbiota and ameliorates the alcoholic-associated liver disease in mice.**Frontiers in microbiology** , Volume: 15 2024

Authors Liu Z,Liu T,Zhang Z,Fan Y

Effects of Bacillus coagulans TBC169 on gut microbiota and metabolites in gynecological laparoscopy patients.**Frontiers in microbiology** , Volume: 15 2024

Authors Gao W,Yan Y,Guan Z,Zhang J,Chen 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

Characterization of feline-originated probiotics Lactobacillus rhamnosus CACC612 and Bifidobacterium animalis subsp. lactis CACC789 and and evaluation of their host response.**BMC veterinary research** , Volume: 20 Issue: 1 2024 Apr 1

Authors Jang HJ,Kim JA,Kim Y

Curcumin alleviates cecal oxidative injury in diquat-induced broilers by regulating the Nrf2/ARE pathway and microflora.**Poultry science** , Volume: 103 Issue: 5 2024 May

Authors Wu F,Zhao M,Tang Z,Wang F,Han S,Liu S,Chen B

Responses of intestinal morphology, immunity, antioxidant status and cecal microbiota to the mixture of glycerol monolaurate and cinnamaldehyde in laying hens.**Poultry science** , Volume: 103 Issue: 6 2024 Jun

Authors Chen MY,Duan YL,Zhu Y,Wang JH,Hu QB,Guo SS,Ding BY,Zhang ZF,Li LL

Bacillus subtilis HW2 enhances growth performance and alleviates gut injury via attenuation of endoplasmic reticulum stress and regulation of gut microbiota in broilers under necrotic enteritis challenge.**Poultry science** , Volume: 103 Issue: 5 2024 May

Authors Chen P,Lv H,Du M,Liu W,Che C,Zhao J,Liu H

Effects of Bifidobacterium animalis subsp. lactis IU100 on Immunomodulation and Gut Microbiota in Immunosuppressed Mice.

Microorganisms , Volume: 12 Issue: 3 2024 Feb 29

Authors Zhou L,Yin X,Fang B,He J,Zhan J,Zhang X,Wang R

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

Postbiotics from Lactobacillus delbrueckii Alleviate Intestinal Inflammation by Promoting the Expansion of Intestinal Stem Cells in S. Typhimurium-Induced Mice.

Foods (Basel, Switzerland) , Volume: 13 Issue: 6 2024 Mar 14

Authors Wang M,Ren Y,Guo X,Ye Y,Zhu H,Zhang J,Huang Z,Yu K

Dietary Polyphenols Support Akkermansia muciniphila Growth via Mediation of the Gastrointestinal Redox Environment.

Antioxidants (Basel, Switzerland) , Volume: 13 Issue: 3 2024 Feb 29

Authors Van Buiten CB,Seitz VA,Metcalf JL,Raskin I

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

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

Bacillus coagulans TCI711 Supplementation Improved Nonalcoholic Fatty Liver by Modulating Gut Microbiota: A Randomized, Placebo-Controlled, Clinical Trial.

Current developments in nutrition , Volume: 8 Issue: 3 2024 Mar

Authors Hsieh RH,Chien YJ,Lan WY,Lin YK,Lin YH,Chiang CF,Yang MT

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

Lactobacillus reuteri mitigates hepatic ischemia/reperfusion injury by modulating gut microbiota and metabolism through the Nrf2/HO-1 signaling.

Biology direct , Volume: 19 Issue: 1 2024 Mar 18

Authors Zhang L,Gong X,Tan J,Zhang R,Li M,Liu C,Wu C,Li X

Bifidobacterium longum GL001 alleviates rat intestinal ischemia-reperfusion injury by modulating gut microbiota composition and intestinal tissue metabolism.

Food & function , Volume: 15 Issue: 7 2024 Apr 2

Authors Tang J,Zhao M,Miao X,Chen H,Zhao B,Wang Y,Guo Y,Wang T,Cheng X,Ruan H,Zhang J

Prebiotic inulin ameliorates SARS-CoV-2 infection in hamsters by modulating the gut microbiome.

NPJ science of food , Volume: 8 Issue: 1 2024 Mar 14

Authors Song I,Yang J,Saito M,Hartanto T,Nakayama Y,Ichinohe T,Fukuda S

Targeting Gut Microbiome With Prebiotic in Patients With CKD: The TarGut-CKD Study.

Kidney international reports , Volume: 9 Issue: 3 2024 Mar

Authors Sohn MB,Gao B,Kendrick C,Srivastava A,Isakova T,Gassman JJ,Fried LF,Wolf M,Cheung AK,Raphael KL,Vinales PC,Middleton JP,Pabalan A,Raj DS,Pilot Studies in CKD Consortium

Diet Mediate the Impact of Host Habitat on Gut Microbiome and Influence Clinical Indexes by Modulating Gut Microbes and Serum Metabolites.

Advanced science (Weinheim, Baden-Wurtemberg, Germany) , 2024 Mar 13

Authors Zhang J,Qi H,Li M,Wang Z,Jia X,Sun T,Du S,Su C,Zhi M,Du W,Ouyang Y,Wang P,Huang F,Jiang H,Li L,Bai J,Wei Y,Zhang X,Wang H,Zhang B,Feng Q

Polyphenols Influence the Development of Endometrial Cancer by Modulating the Gut Microbiota.

Nutrients , Volume: 16 Issue: 5 2024 Feb 28

Authors Baranowska-Wójcik E,Winiarska-Mieczan A,Oлча P,Kwiecien M,Jachimowicz-Rogowska K,Nowakowski L,Miturski A,Galczyński K

Effects of Supplementation with Oregano Essential Oil during Late Gestation and Lactation on Serum Metabolites, Antioxidant Capacity and Fecal Microbiota of Sows.

Animals : an open access journal from MDPI , Volume: 14 Issue: 5 2024 Feb 28

Authors Zhang Y,Deng Y,Hao Y,Fang J,Feng J

Lactobacillus paracasei ZFM54 alters the metabolomic profiles of yogurt and the co-fermented yogurt improves the gut microecology of human adults.

Journal of dairy science , Volume: 107 Issue: 8 2024 Aug

Authors Chen X,Zhu Z,Zhang X,Chen L,Gu Q,Li P

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

Synergistic activity of Limosilactobacillus reuteri KUB-AC5 and water-based plants against Salmonella challenge in a human in vitro gut model.

Scientific reports , Volume: 14 Issue: 1 2024 Feb 27

Authors Mok K,Honwichit O,Funnuam T,Charoensiddhi S,Nitisinprasert S,Nielsen DS,Nakphaichit M

Curcumin attenuates aflatoxin B1-induced ileum injury in ducks by inhibiting NLRP3 inflammasome and regulating TLR4/NF- κ B signaling pathway.

Mycotoxin research , Volume: 40 Issue: 2 2024 May

Authors Pan H,Hu T,He Y,Zhong G,Wu S,Jiang X,Rao G,You Y,Ruan Z,Tang Z,Hu L

The Immunomodulatory Effects of A2 β -Casein on Immunosuppressed Mice by Regulating Immune Responses and the Gut Microbiota.

Nutrients , Volume: 16 Issue: 4 2024 Feb 13

Authors Li X,Lu X,Liu M,Zhang Y,Jiang Y,Yang X,Man C

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

Short-term pectin-enriched smoothie consumption has beneficial effects on the gut microbiota of low-fiber consumers.

FEMS microbes , Volume: 5 2024

Authors Pihelgas S,Ehala-Aleksejev K,Kuldjärvi R,Jõelet A,Kazantseva J,Adamberg K

Adjunctive efficacy of Bifidobacterium animalis subsp. lactis XLTG11 for functional constipation in children.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 55 Issue: 2 2024 Jun

Authors Chen K,Zhou Z,Nie Y,Cao Y,Yang P,Zhang Y,Xu P,Yu Q,Shen Y,Ma W,Jin S,Liu C

Lactocaseibacillus paracasei CCFM1222 Ameliorated the Intestinal Barrier and Regulated Gut Microbiota in Mice with Dextran Sulfate Sodium-Induced Colitis.

Probiotics and antimicrobial proteins , 2024 Feb 20

Authors Guo W,Tang X,Zhang Q,Xiong F,Yan Y,Zhao J,Mao B,Zhang H,Cui S

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

Bifidobacterium animalis subsp. lactis A6 attenuates hippocampal damage and memory impairments in an ADHD rat model.

Food & function , Volume: 15 Issue: 5 2024 Mar 4

Authors Yin X,Liu W,Feng H,Huang J,Wang Q,Zhang Q,He J,Wang R

Synergistic antimicrobial interaction of plant essential oils and extracts against foodborne pathogens.

Food science & nutrition , Volume: 12 Issue: 2 2024 Feb

Authors Angane M,Swift S,Huang K,Perera J,Chen X,Butts CA,Quek SY

Punicagin, a pomegranate polyphenol sensitizes the activity of antibiotics against three MDR pathogens of the Enterobacteriaceae.

BMC complementary medicine and therapies , Volume: 24 Issue: 1 2024 Feb 16

Authors Kiran S,Tariq A,Iqbal S,Naseem Z,Siddique W,Jabeen S,Bashir R,Hussain A,Rahman M,Habib FE,Rauf W,Ali A,Sarwar Y,Jander G,Iqbal M

Milk to mucus: How B. fragilis colonizes the gut.

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

Authors Olm MR,Mueller NT

Dietary probiotic Lactocaseibacillus paracasei NSMJ56 modulates gut immunity and microbiota in laying hens.

Poultry science , Volume: 103 Issue: 4 2024 Apr

Authors Kim YB, Park J, Lee HG, Song JY, Kim DH, Ji W, Joo SS, Kim M, Jung JY, Kim M, Lee KW

[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

[Alcohol-induced gut microbiome dysbiosis enhances the colonization of Klebsiella pneumoniae on the mouse intestinal tract.](#)

mSystems , Volume: 9 Issue: 3 2024 Mar 19

Authors Shen M, Zhao H, Han M, Su L, Cui X, Li D, Liu L, Wang C, Yang F

[Dietary Lactobacillus delbrueckii Affects Ileal Bacterial Composition and Circadian Rhythms in Pigs.](#)

Animals : an open access journal from MDPI , Volume: 14 Issue: 3 2024 Jan 26

Authors Luo W, Yin Z, Zhang M, Huang X, Yin J

[Therapeutic Evaluation of Bifidobacterium animalis subsp. lactis MH-02 as an Adjunctive Treatment in Patients with Reflux Esophagitis: A Randomized, Double-Blind, Placebo-Controlled Trial.](#)

Nutrients , Volume: 16 Issue: 3 2024 Jan 24

Authors Gan L, Wang Y, Huang S, Zheng L, Feng Q, Liu H, Liu P, Zhang K, Chen T, Fang N

[Effects of Oat \$\beta\$ -Glucan and Inulin on Alleviation of Nonalcoholic Steatohepatitis Aggravated by Circadian Disruption in C57BL/6J Mice.](#)

Journal of agricultural and food chemistry , Volume: 72 Issue: 7 2024 Feb 21

Authors Kei N, Cheung KK, Ma KL, Yau TK, Lauw S, Wong VWS, You L, Cheung PCK

[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

[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

[Mitigation of high-fat diet-induced hepatic steatosis by thyme \(Thymus quinquecostatus Celak\) polyphenol-rich extract \(TPE\): insights into gut microbiota modulation and bile acid metabolism.](#)

Food & function , 2024 Feb 2

Authors Sheng X, Zhan P, Wang P, He W, Tian H

[Temporal gut microbiota variability and association with dietary patterns: From the one-year observational Diet, Cancer, and Health - Next Generations MAX study.](#)

The American journal of clinical nutrition , Volume: 119 Issue: 4 2024 Apr

Authors Rostgaard-Hansen AL, Esberg A, Dicksved J, Hansen T, Pelve E, Brunius C, Halkjær J, Tjønneland A, Johansson I, Landberg R

[Berberine alleviates ischemia reperfusion injury induced AKI by regulation of intestinal microbiota and reducing intestinal inflammation.](#)

BMC complementary medicine and therapies , Volume: 24 Issue: 1 2024 Jan 30

Authors Huo A, Wang F

[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

[Bifidobacterium animalis subsp. lactis F1-7 Alleviates Lipid Accumulation in Atherosclerotic Mice via Modulating Bile Acid Metabolites to Downregulate Intestinal FXR.](#)

Journal of agricultural and food chemistry , Volume: 72 Issue: 5 2024 Feb 7

Authors Liang X, Zheng X, Wang P, Zhang H, Ma Y, Liang H, Zhang 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

[Bifidobacterium improves oestrogen-deficiency-induced osteoporosis in mice by modulating intestinal immunity.](#)

Food & function , Volume: 15 Issue: 4 2024 Feb 19

Authors Zhang J,Liang X,Tian X,Zhao M,Mu Y,Yi H,Zhang Z,Zhang L

[Effect of dietary inclusion of Bacillus-based probiotics on performance, egg quality, and the faecal microbiota of laying hen.](#)

Animal bioscience , Volume: 37 Issue: 4 2024 Apr

Authors Tajudeen H,Ha SH,Hosseindoust A,Mun JY,Park S,Park S,Choi P,Hermes RG,Taechavasonyoo A,Rodriguez R,Kim J

[Dietary Bacillus spp. supplementation to both sow and progenies improved post-weaning growth rate, gut function, and reduce the pro-inflammatory cytokine production in weaners challenged with Escherichia coli K88.](#)

Animal microbiome , Volume: 6 Issue: 1 2024 Jan 24

Authors Sampath V,Cho S,Jeong J,Mun S,Lee CH,Hermes RG,Taechavasonyoo A,Smeets N,Kirwan S,Han K,Kim IH

[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

[Curcumin Mitigates the High-Fat High-Sugar Diet-Induced Impairment of Spatial Memory, Hepatic Metabolism, and the Alteration of the Gut Microbiome in Alzheimer's Disease-Induced \(3xTg-AD\) Mice.](#)

Nutrients , Volume: 16 Issue: 2 2024 Jan 12

Authors Lamichhane G,Liu J,Lee SJ,Lee DY,Zhang G,Kim Y

[Mechanism of Iron Ion Homeostasis in Intestinal Immunity and Gut Microbiota Remodeling.](#)

International journal of molecular sciences , Volume: 25 Issue: 2 2024 Jan 5

Authors Bao H,Wang Y,Xiong H,Xia Y,Cui Z,Liu L

[Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF- \$\kappa\$ B Inflammasome Pathways and Regulating Intestinal Microbiota.](#)

Foods (Basel, Switzerland) , Volume: 13 Issue: 2 2024 Jan 10

Authors Wen X,Peng H,Zhang H,He Y,Guo F,Bi X,Liu J,Sun Y

[Intestinal toxicity alleviation and efficacy potentiation through therapeutic administration of Lactobacillus paracasei GY-1 in the treatment of gout flares with colchicine.](#)

Food & function , Volume: 15 Issue: 3 2024 Feb 5

Authors Zeng J,Li Y,Zou Y,Yang Y,Yang T,Zhou Y

[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

[Impact of Bacillus licheniformis from yaks following antibiotic therapy in mouse model.](#)

Applied microbiology and biotechnology , Volume: 108 Issue: 1 2024 Dec

Authors Zeng Z,Gong S,Quan C,Zhou S,Kulyar MF,Iqbal M,Li Y,Li X,Li J

[Lactobacillus reuteri derived from horse alleviates Escherichia coli-induced diarrhea by modulating gut microbiota.](#)

Microbial pathogenesis , Volume: 188 2024 Mar

Authors Wang D,Zeng J,Wujin C,Ullah Q,Su Z

[Effects of Metabolites of Lactobacillus casei on Expression and Neutralization of Shiga Toxin by Enterohemorrhagic Escherichia coli.](#)

Probiotics and antimicrobial proteins , 2024 Jan 15

Authors Aditya A,Tabashsum Z,Martinez ZA,Biswas D

[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

[Probiotic Bacillus licheniformis ZW3 Alleviates DSS-Induced Colitis and Enhances Gut Homeostasis.](#)

International journal of molecular sciences , Volume: 25 Issue: 1 2024 Jan 1

Authors Jia D,Li Y,Wang Y,Guo Y,Liu J,Zhao S,Wang J,Guan G,Luo J,Yin H,Tang L,Li Y

[Synthesis of New Derivatives of Berberine Canagliflozin and Study of Their Antibacterial Activity and Mechanism.](#)

Molecules (Basel, Switzerland) , Volume: 29 Issue: 1 2024 Jan 4

Authors Li J,Hou X,Xiao J,Zhu L,Deng Y,Li Z,Zhao Z,Luo Z,Wei H

Highland barley β -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

Dietary novel alkaline protease from *Bacillus licheniformis* improves broiler meat nutritional value and modulates intestinal microbiota and metabolites.

Animal microbiome , Volume: 6 Issue: 1 2024 Jan 6

Authors Yi W,Liu Y,Fu S,Zhuo J,Wang J,Shan T

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

Molecular docking, molecular dynamics simulation, and MM/PBSA analysis of ginger phytochemicals as a potential inhibitor of AcrB for treating multidrug-resistant *Klebsiella pneumoniae* infections.

Journal of biomolecular structure & dynamics , 2024 Jan 2

Authors Sahoo M,Behera DU,Gaur M,Subudhi E

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

Therapeutic effects of curcumin on constipation-predominant irritable bowel syndrome is associated with modulating gut microbiota and neurotransmitters.

Frontiers in microbiology , Volume: 14 2023

Authors Tu X,Ren H,Bu S

Chemoprofiling and antimicrobial activity of medicinal herbs used in the treatment of inflammatory bowel disease.

Cellular and molecular biology (Noisy-le-Grand, France) , Volume: 69 Issue: 13 2023 Dec 10

Authors Alshahrani A,Ali A,Abdelwahab SF

Therapeutic Potential of *Punica granatum* and Isolated Compounds: Evidence-Based Advances to Treat Bacterial Infections.

International journal of microbiology , Volume: 2023 2023

Authors Mendes PM,Gomes Fontoura GM,Rodrigues LDS,Souza AS,Viana JPM,Fernandes Pereira AL,Dutra RP,Nogueira

Ferreira AG,Neto MS,Reis AS,Berretta AA,Monteiro-Neto V,Maciel MCG

Berberine Protects against High-Energy and Low-Protein Diet-Induced Hepatic Steatosis: Modulation of Gut Microbiota and Bile Acid Metabolism in Laying Hens.

International journal of molecular sciences , Volume: 24 Issue: 24 2023 Dec 9

Authors Wang C,Yang Y,Chen J,Dai X,Xing C,Zhang C,Cao H,Guo X,Hu G,Zhuang Y

Effects of Dietary *Limosilactobacillus fermentum* and *Lactisacibacillus paracasei* Supplementation on the Intestinal Stem Cell Proliferation, Immunity, and Ileal Microbiota of Broiler Chickens Challenged by *Coccidia* and *Clostridium perfringens*.

Animals : an open access journal from MDPI , Volume: 13 Issue: 24 2023 Dec 15

Authors Guo S,Tong W,Qi Y,Jiang M,Li P,Zhang Z,Hu Q,Song Z,Ding B

Effects of *Lactobacillus plantarum* HW1 on Growth Performance, Intestinal Immune Response, Barrier Function, and Cecal Microflora of Broilers with Necrotic Enteritis.

Animals : an open access journal from MDPI , Volume: 13 Issue: 24 2023 Dec 10

Authors Chen P,Lv H,Liu W,Wang Y,Zhang K,Che C,Zhao J,Liu H

Effects of thermal and nonthermal treatments on microorganisms, pyrrolizidine alkaloids and volatile compounds in oregano (*Origanum vulgare* L.).

Food chemistry , Volume: 440 2024 May 15

Authors Kucukoglu AS,Hiz G,Karaca H

Effects of *Spirulina platensis* and/or *Allium sativum* on Antioxidant Status, Immune Response, Gut Morphology, and Intestinal *Lactobacilli* and *Coliforms* of Heat-Stressed Broiler Chicken.

Veterinary sciences , Volume: 10 Issue: 12 2023 Nov 27

Authors Attia YA,Hassan RA,Addeo NF,Bovera F,Alhotan RA,Al-Qurashi AD,Al-Baadani HH,Al-Banoby MA,Khafaga AF,Eisenreich W,Shehata AA,Basiouni S

Berberine-microbiota interplay: orchestrating gut health through modulation of the gut microbiota and metabolic transformation into bioactive metabolites.

Frontiers in pharmacology , Volume: 14 2023

Authors Dehau T,Cherlet M,Croubels S, Van De Vliet M,Goossens E, Van Immerseel F

[Bifidobacterium animalis subsp. lactis Probio-M8 alleviates abnormal behavior and regulates gut microbiota in a mouse model suffering from autism.](#)

mSystems , Volume: 9 Issue: 1 2024 Jan 23

Authors Miao Z,Chen L,Zhang Y,Zhang J,Zhang H

[A synbiotic formulation of Lactobacillus reuteri and inulin alleviates ASD-like behaviors in a mouse model: the mediating role of the gut-brain axis.](#)

Food & function , Volume: 15 Issue: 1 2024 Jan 2

Authors Wang C,Chen W,Jiang Y,Xiao X,Zou Q,Liang J,Zhao Y,Wang Q,Yuan T,Guo R,Liu X,Liu Z

[Characterization of the probiotic properties of Lactocaseibacillus rhamnosus LR6 isolated from the vaginas of healthy Korean women against vaginal pathogens.](#)

Frontiers in microbiology , Volume: 14 2023

Authors Chung Y,Kang SB,Son D, Lee JY, Chung MJ, Lim S

[Identification of inulin-responsive bacteria in the gut microbiota via multi-modal activity-based sorting.](#)

Nature communications , Volume: 14 Issue: 1 2023 Dec 14

Authors Riva A,Rasoulimehrabani H,Cruz-Rubio JM,Schnorr SL,von Baeckmann C,Inan D,Nikolov G,Herbold CW,Hausmann B,Pjevac P,Schintlmeister A,Spittler A,Palatinszky M,Kadunic A,Hieger N,Del Favero G,von Bergen M,Jehmlich N,Watzka M, Lee KS,Wiesenbauer J,Khadem S,Viernstein H,Stocker R,Wagner M,Kaiser C,Richter A,Kleitz F,Berry D

[Effects of pomegranate \(Punica granatum L.\) peel on the growth performance and intestinal microbiota of broilers challenged with Escherichia coli.](#)

Poultry science , Volume: 103 Issue: 2 2024 Feb

Authors Xu P,Wang J,Chen P,Ding H,Wang X,Li S,Fan X,Zhou Z,Shi D,Li Z,Cao S,Xiao Y

[The Inhibitory Activity of Lactobacillus plantarum Supernatant against Enterobacteria, Campylobacter, and Tumor Cells.](#)

Bulletin of experimental biology and medicine , Volume: 176 Issue: 1 2023 Nov

Authors Danilova TA,Adzhieva AA,Mezentseva MV,Suetina IA,Danilina GA,Minko AG,Dmitrieva ML,Zhukhovitsky VG

[Anti-allergic effects of Ulva-derived polysaccharides, oligosaccharides and residues in a murine model of food allergy.](#)

Heliyon , Volume: 9 Issue: 12 2023 Dec

Authors Ou JY,Wei YJ,Liu FL,Huang CH

[Beneficial effects of GABA-producing potential probiotic Limosilactobacillus fermentum L18 of human origin on intestinal permeability and human gut microbiota.](#)

Microbial cell factories , Volume: 22 Issue: 1 2023 Dec 12

Authors Kaur S,Sharma P,Mayer MJ,Neuert S,Narbad A,Kaur S

[Bacillus subtilis JATP-3 Improves Nitrogen Metabolism by Regulating Intestinal Flora and AKG in Weaned Piglets.](#)

Probiotics and antimicrobial proteins , Volume: 17 Issue: 3 2025 Jun

Authors He F,Jin X,Sun K,Zhao L,Yang W,Zhang X,Dong X,Zhao Y,Pan L,Bao N,Sun H

[Intravesical Lactobacillus rhamnosus GG Alters Urobiome Composition and Diversity Among People With Neurogenic Lower Urinary Tract Dysfunction.](#)

Topics in spinal cord injury rehabilitation , Volume: 29 Issue: 3 2023 Summer

Authors Groah SL,Rounds AK,Pérez-Losada M

[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,Eljero-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

[Bacillus coagulans prevents the decline in average daily feed intake in young piglets infected with enterotoxigenic Escherichia coli K88 by reducing intestinal injury and regulating the gut microbiota.](#)

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Zhang Y,Tian X,Dong Y,Li R,Shen M,Yi D,Wu T,Wang L,Zhao D,Hou Y

[Effects of different wheat bran fermentation sources on growth performance, nutrient digestibility, serum antioxidant capacity and fecal microbiota in growing pigs.](#)

Frontiers in veterinary science , Volume: 10 2023

Authors Liu H,Ren X,Li Y,Cao Q,Yang L,Jiang S,Fu J,Gao J,Yan L,Li J,Yang W

[Curcumin alleviates traumatic brain injury induced by gas explosion through modulating gut microbiota and suppressing the LPS/TLR4/MyD88/NF- \$\kappa\$ B pathway.](#)

Environmental science and pollution research international , Volume: 31 Issue: 1 2024 Jan

Authors Dong X,Deng L,Su Y,Han X,Yao S,Wu W,Cao J,Tian L,Bai Y,Wang G,Ren W

Unveiling the inhibition mechanism of Clostridioides difficile by Bifidobacterium longum via multiomics approach.

Frontiers in microbiology , Volume: 14 2023

Authors Jo SH,Jeon HJ,Song WS,Lee JS,Kwon JE,Park JH,Kim YR,Kim MG,Baek JH,Kwon SY,Kim JS,Yang YH,Kim YG

The Impact of Berberine Loaded Selenium Nanoparticles on K. pneumoniae and Candida albicans Antibiotics Resistance Isolates.

Archives of Razi Institute , Volume: 78 Issue: 3 2023 Jun

Authors Hasan MF,Jawad Kadhim M,Al-Awady MJ

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

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

Antioxidant Capacity of Eugenol and Its Effect on Intestinal Flora Under in Vitro Simulated Conditions.

Studies in health technology and informatics , Volume: 308 2023 Nov 23

Authors Dai J

Lactobacillus rhamnosus Attenuates Cisplatin-Induced Intestinal Mucositis in Mice via Modulating the Gut Microbiota and Improving Intestinal Inflammation.

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

Authors Alsholi DM,Yacoub GS,Rehman AU,Ullah H,Khan AI,Deng T,Siddiqui NZ,Alioui Y,Farooqui NA,Elkharti M,Li Y,Wang L,Xin Y

Effects of Dietary Bacillus coagulans and Tributyrin on Growth Performance, Serum Antioxidants, Intestinal Morphology, and Cecal Microbiota of Growing Yellow-Feathered Broilers.

Animals : an open access journal from MDPI , Volume: 13 Issue: 22 2023 Nov 15

Authors Hou J,Lian L,Lu L,Gu T,Zeng T,Chen L,Xu W,Li G,Wu H,Tian Y

Lactobacillus paracasei Relieves Constipation by Acting on the Acetic Acid-5-HT-Intestinal Motility Pathway.

Foods (Basel, Switzerland) , Volume: 12 Issue: 22 2023 Nov 20

Authors Wang L,Yang S,Mei C,Tang N,Wang J,Yu Q,Wang G,Wu G,Zhao J,Chen W

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

Mouse intestinal microbiome modulation by oral administration of a GABA-producing Bifidobacterium adolescentis strain.

Microbiology spectrum , Volume: 12 Issue: 1 2024 Jan 11

Authors Tamés H,Sabater C,Royo F,Margolles A,Falcón JM,Ruas-Madiedo P,Ruiz L

Antimicrobial properties of Limosilactobacillus reuteri strains for control of Escherichia coli and Salmonella strains, diarrhoea cause in weaning pigs.

Veterinarni medicina , Volume: 68 Issue: 5 2023 May

Authors Yoo Y,Lee J,Cho J,Yoon Y

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

Bifidobacterium longum subsp. longum BL21 Ameliorates Alcoholic Liver Disease in Mice Through Enhancement of the Hepatic Antioxidant Capacity and Modulation of the Gut Microbiota.

Journal of applied microbiology , 2023 Oct 31

Authors Dong Y,Wu Z,Gai Z,Han M

Gut microbiota and metabolic modulation by supplementation of polysaccharide-producing Bacillus licheniformis from Tibetan Yaks: A comprehensive multi-omics analysis.

International journal of biological macromolecules , Volume: 254 Issue: Pt 2 2024 Jan

Authors Zeng Z,Quan C,Zhou S,Gong S,Iqbal M,Kulyar MF,Nawaz S,Li K,Li J

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

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

Spices as Sustainable Food Preservatives: A Comprehensive Review of Their Antimicrobial Potential.

Pharmaceuticals (Basel, Switzerland) , Volume: 16 Issue: 10 2023 Oct 12

Authors Sulieman AME,Abdallah EM,Alanazi NA,Ed-Dra A,Jamal A,Idriss H,Alshammari AS,Shommo SAM

Modulation of the Gut Microbiota by the Plantaricin-Producing *Lactiplantibacillus plantarum* D13, Analysed in the DSS-Induced Colitis Mouse Model.

International journal of molecular sciences , Volume: 24 Issue: 20 2023 Oct 18

Authors Butorac K,Novak J,Banic M,Leboš Pavunc A,Culjak N,Oršolic N,Odeh D,Perica J,Šuškovc J,Kos B

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

Effect of grape pomace supplement on growth performance, gastrointestinal microbiota, and methane production in Tan lambs.

Frontiers in microbiology , Volume: 14 2023

Authors Cheng X,Du X,Liang Y,Degen AA,Wu X,ji K,Gao Q,Xin G,Cong H,Yang G

Thymus Vulgaris Oil Nanoemulsion: Synthesis, Characterization, Antimicrobial and Anticancer Activities.

Molecules (Basel, Switzerland) , Volume: 28 Issue: 19 2023 Oct 2

Authors Doghish AS,Shehabeldine AM,El-Mahdy HA,Hassanin MMH,AI-Askar AA,Marey SA,Abdelgawad H,Hashem AH

Whole-Grain Highland Barley Attenuates Atherosclerosis Associated with NLRP3 Inflammasome Pathway and Gut Microbiota in ApoE(-/-) Mice.

Nutrients , Volume: 15 Issue: 19 2023 Sep 28

Authors Wu T,Yu Q,Luo Y,Dai Z,Zhang Y,Wang C,Shen Q,Xue Y

Ameliorating Effects of *Bifidobacterium longum* subsp. infantis FB3-14 against High-Fat-Diet-Induced Obesity and Gut Microbiota Disorder.

Nutrients , Volume: 15 Issue: 19 2023 Sep 22

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

Butyrogenic, bifidogenic and slight anti-inflammatory effects of a green kiwifruit powder (Kiwi FFG®) in a human gastrointestinal model simulating mild constipation.

Food research international (Ottawa, Ont.) , Volume: 173 Issue: Pt 2 2023 Nov

Authors Goya-Jorge E,Bondue P,Gonza I,Laforêt F,Antoine C,Boutaleb S,Douny C,Scippo ML,de Ribaucourt JC,Crahay F,Delcenserie V

Antitumor, Antioxidant, and Antimicrobial Properties and Anticancer Potential of Novel Environmentally Friendly Amide-Modified Gallic Acid Derivatives.

Journal of agricultural and food chemistry , 2023 Oct 6

Authors Wang X,Cong J,Zhang L,Han Z,Jiang X,Yu L

Highland barley attenuates high fat and cholesterol diet induced hyperlipidemia in mice revealed by 16S rRNA gene

[sequencing and untargeted metabolomics.](#)

Life sciences , Volume: 334 2023 Dec 1

Authors Li X,Wang L

[The Impact in Intestines and Microbiota in BALB/c Mice Through Consumption of Milk Fermented by Potentially Probiotic Lactocaseibacillus casei SJRP38 and Limosilactobacillus fermentum SJRP43.](#)

Probiotics and antimicrobial proteins , 2023 Oct 5

Authors de Souza BMS,Guerra LHA,Varallo GR,Tabo a SR,Penna ALB

[The effect of physical exercise and dairy probiotics \(Lactobacillus casei\) on gut microbiome in childhood cancer survivors.](#)

Neoplasma , Volume: 70 Issue: 4 2023 Aug

Authors Bielik V,Hric I, mahov  S,Tkacikov  M,Hlav cov  V,Nechalov  L,U rayov  S,Kolenov  A

[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

[Effects of Dietary Bacillus subtilis HC6 on Growth Performance, Antioxidant Capacity, Immunity, and Intestinal Health in Broilers.](#)

Animals : an open access journal from MDPI , Volume: 13 Issue: 18 2023 Sep 14

Authors Liu S,Xiao G,Wang Q,Zhang Q,Tian J,Li W,Gong L

[Enterococcus faecium C171: Modulating the Immune Response to Acute Lethal Viral Challenge.](#)

International journal of antimicrobial agents , Volume: 62 Issue: 5 2023 Nov

Authors Mi J,He T,Hu X,Wang Z,Wang T,Qi X,Li K,Gao L,Liu C,Zhang Y,Wang S,Qiu Y,Liu Z,Song J,Wang X,Gao Y,Cui H

[Berberine: An inspiring resource for the treatment of colorectal diseases.](#)

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 167 2023 Nov

Authors Cao F,Xia W,Dai S,Wang C,Shi R,Yang Y,Guo C,Xu XL,Luo J

[Combined oral intake of short and long fructans alters the gut microbiota in food allergy model mice and contributes to food allergy prevention.](#)

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

Authors Takahashi H,Fujii T,Yamakawa S,Yamada C,Fujiki K,Kondo N,Funasaka K,Hirooka Y,Tochio T

[The Synergism of Human Lactobacillaceae and Inulin Decrease Hyperglycemia via Regulating the Composition of Gut Microbiota and Metabolic Profiles in db/db Mice.](#)

Journal of microbiology and biotechnology , Volume: 33 Issue: 12 2023 Aug 21

Authors Li P,Tong T,Wu Y,Zhou X,Zhang M,Liu J,She Y,Li Z,Li A

[Effect of Probiotic Supplementation on the Gut Microbiota Composition of Infants Delivered by Cesarean Section: An Exploratory, Randomized, Open-label, Parallel-controlled Trial.](#)

Current microbiology , Volume: 80 Issue: 11 2023 Sep 15

Authors Gong Y,Zhong H,Wang J,Wang X,Huang L,Zou Y,Qin H,Yang R

[Gut microbial change after administration of Lactocaseibacillus paracasei A0356 is associated with anti-obesity in a mouse model.](#)

Frontiers in endocrinology , Volume: 14 2023

Authors Song EJ,Lee ES,Kim YI,Shin DU,Eom JE,Shin HS,Lee SY,Nam YD

[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

[Curcumin-sulfobutyl-ether beta cyclodextrin inclusion complex: preparation, spectral characterization, molecular modeling and antimicrobial activity.](#)

Journal of biomolecular structure & dynamics , Volume: 42 Issue: 19 2024

Authors Sravani AB,Shenoy K M,Chandrika B,Kumar B H,Kini SG,Pai K SR,Lewis SA

[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

[Effect of Ginger Root Powder on Gastrointestinal Bacteria Composition, Gastrointestinal Symptoms, Mental Health, Fatigue, and Quality of Life: A Double-Blind Placebo-Controlled Trial.](#)

The Journal of nutrition , Volume: 153 Issue: 11 2023 Nov

Authors Crichton M,Marshall S,Marx W,Isenring E,V zquez-Campos X,Dawson SL,Lohning A

[Resveratrol alleviates DSS-induced IBD in mice by regulating the intestinal microbiota-macrophage-arginine metabolism axis.](#)

European journal of medical research , Volume: 28 Issue: 1 2023 Sep 2

Authors Xu X,Ocansey DKW,Pei B,Zhang Y,Wang N,Wang Z,Mao F

Positive efficacy of Lactiplantibacillus plantarum MH-301 as a postoperative adjunct to endoscopic sclerotherapy for internal hemorrhoids: a randomized, double-blind, placebo-controlled trial.

Food & function , 2023 Sep 1

Authors Zhang K,Liu H,Liu P,Feng Q,Gan L,Yao L,Huang G,Fang Z,Chen T,Fang N

Dietary oregano aqueous extract improves growth performance and intestinal health of broilers through modulating gut microbial compositions.

Journal of animal science and biotechnology , Volume: 14 Issue: 1 2023 Sep 1

Authors Zhang F,Yang J,Zhan Q,Shi H,Li Y,Li D,Li Y,Yang X

Lactobacillus paracasei AH2 isolated from Chinese sourdough alleviated gluten-induced food allergy through modulating gut microbiota and promoting short-chain fatty acid accumulation in a BALB/c mouse model.

Journal of the science of food and agriculture , Volume: 104 Issue: 2 2024 Jan 30

Authors Chen C,Liu C,Mu K,Xue W

Comparing the Influences of Metformin and Berberine on the Intestinal Microbiota of Rats With Nonalcoholic Steatohepatitis.

In vivo (Athens, Greece) , Volume: 37 Issue: 5 2023 Sep-Oct

Authors Chen D,Xiong J,Chen G,Zhang Z,Liu Y,Xu J,Xu H

Effect of hydrophobic property on antibacterial activities of green tea polysaccharide conjugates against Escherichia coli.

International journal of biological macromolecules , Volume: 253 Issue: Pt 1 2023 Dec 31

Authors Zhou Y,Liu W,Cao W,Cheng Y,Liu Z,Chen X

Polysaccharide from Ziyang Selenium-Enriched Green Tea Prevents Obesity and Promotes Adipose Thermogenesis via Modulating the Gut Microbiota.

Journal of agricultural and food chemistry , Volume: 71 Issue: 36 2023 Sep 13

Authors Li D,Cheng Y,Zeng X,Li Y,Xia Z,Yang X,Ren D

Curcumin alleviates imiquimod-induced psoriasis-like inflammation and regulates gut microbiota of mice.

Immunity, inflammation and disease , Volume: 11 Issue: 8 2023 Aug

Authors Cai Z,Wang W,Zhang Y,Zeng Y

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G,Zhang L

Effect of Bacillus subtilis and Oregano Oil on Performance, Gut Microbiome, and Intestinal Morphology in Pullets.

Animals : an open access journal from MDPI , Volume: 13 Issue: 16 2023 Aug 8

Authors Kim HJ,Kim HS,Yun YS,Kang HK

Antibacterial activity of Thymus vulgaris (thyme) essential oil against strains of Pseudomonas aeruginosa, Klebsiella pneumoniae and Staphylococcus saprophyticus isolated from meat product.

Brazilian journal of biology = Revista brasleira de biologia , Volume: 83 2023

Authors Diniz AF,Santos B,Nóbrega LMMO,Santos VRL,Mariz WS,Cruz PSC,Nóbrega RO,Silva RL,Paula AFR,Santos JRDA,Pessôa HLF,Oliveira-Filho AA

The Effects of Bacillus subtilis QST713 and β -mannanase on growth performance, intestinal barrier function, and the gut microbiota in weaned piglets.

Journal of animal science , Volume: 101 2023 Jan 3

Authors Liu J, Ma X,Zhuo Y,Xu S,Hua L,Li J,Feng B,Fang Z,Jiang X,Che L,Zhu Z,Lin Y,Wu D

Supplementation of ginger root extract into broiler chicken diet: effects on growth performance and immunocompetence.

Poultry science , Volume: 102 Issue: 10 2023 Jul 11

Authors Dosu G,Obanla TO,Zhang S,Sang S,Adetunji AO,Fahrenheit AC,Ferket PR,Nagabhushanam K,Fasina YO

Revealing the Potential Impacts of Nutraceuticals Formulated with Freeze-Dried Jabuticaba Peel and Limosilactobacillus fermentum Strains Candidates for Probiotic Use on Human Intestinal Microbiota.

Probiotics and antimicrobial proteins , Volume: 16 Issue: 5 2024 Oct

Authors da Silva JYP,do Nascimento HMA,de Albuquerque TMR,Sampaio KB,Dos Santos Lima M,Monteiro M,Leite IB,da Silva EF,do Nascimento YM,da Silva MS,Tavares JF,de Brito Alves JL,de Oliveira MEG,de Souza EL

Probiotic Bacillus subtilis contributes to the modulation of gut microbiota and blood metabolic profile of hosts.

Comparative biochemistry and physiology. Toxicology & pharmacology : CBP , Volume: 272 2023 Oct

Authors Li G,Tong Y,Xiao Y,Huang S,Zhao T,Xia X

Liposomal Epigallocatechin-3-Gallate for the Treatment of Intestinal Dysbiosis in Children with Autism Spectrum Disorder: A Comprehensive Review.

Nutrients , Volume: 15 Issue: 14 2023 Jul 24

Authors de la Rubia Ortí JE,Moneti C,Serrano-Ballesteros P,Castellano G,Bayona-Babiloni R,Carriquí-Suárez AB,Motos-Muñoz M,Proaño B,Benlloch M

Effect of an Enteroprotective Complementary Feed on Faecal Markers of Inflammation and Intestinal Microbiota Composition in Weaning Puppies.

Veterinary sciences , Volume: 10 Issue: 7 2023 Jul 3

Authors *Meineri G,Cocolin L,Morelli G,Schievano C,Atuahene D,Ferrocino I*

Protective Effects of *Bacillus subtilis* HH2 against Oral Enterotoxigenic *Escherichia coli* in Beagles.

Veterinary sciences , Volume: 10 Issue: 7 2023 Jul 3

Authors *Yang J,Zhang X,Zhou Z,Li C,Luo R,Liu H,Fu H,Zhong Z,Shen L,Cao S,Luo Y,Li D,Peng G*

Alterations of gut microbiome and metabolism induced by inulin associated with weight loss in obese female mice.

International journal of food sciences and nutrition , Volume: 74 Issue: 5 2023 Sep

Authors *Wu Z,Zhang M,Deng Y,Zhou G,Yang M,Wang H*

Lactobacillus rhamnosus GG ATCC53103 and *Lactobacillus plantarum* JLO1 improved nitrogen metabolism in weaned piglets by regulating the intestinal flora structure and portal vein metabolites.

Frontiers in microbiology , Volume: 14 2023

Authors *He F,Jin X,Wang C,Hu J,Su S,Zhao L,Geng T,Zhao Y,Pan L,Bao N,Sun H*

The anti-hyperlipidemic effect and underlying mechanisms of barley (*Hordeum vulgare* L.) grass polysaccharides in mice induced by a high-fat diet.

Food & function , 2023 Jul 14

Authors *Yan JK,Chen TT,Li LQ,Liu F,Liu X,Li L*

Influences of wheat bran fiber on growth performance, nutrient digestibility, and intestinal epithelium functions in Xiangcun pigs.

Heliyon , Volume: 9 Issue: 7 2023 Jul

Authors *Liu J,Luo Y,Kong X,Yu B,Zheng P,Huang Z,Mao X,Yu J,Luo J,Yan H,He J*

Bile Acids and Short-Chain Fatty Acids Are Modulated after Onion and Apple Consumption in Obese Zucker Rats.

Nutrients , Volume: 15 Issue: 13 2023 Jul 5

Authors *Balderas C,de Ancos B,Sánchez-Moreno C*

Physicochemical, Rheological, and Sensory Characteristics of Yogurt Fermented by Lactic Acid Bacteria with Probiotic Potential and Bioprotective Properties.

Foods (Basel, Switzerland) , Volume: 12 Issue: 13 2023 Jun 29

Authors *Hoxha R,Evstatieva Y,Nikolova D*

Limosilactobacillus fermentum CECT5716: Clinical Potential of a Probiotic Strain Isolated from Human Milk.

Nutrients , Volume: 15 Issue: 9 2023 May 6

Authors *Ozen M,Piloquet H,Schaubeck M*

Bacillus coagulans MZY531 alleviates intestinal mucosal injury in immunosuppressive mice via modulating intestinal barrier, inflammatory response, and gut microbiota.

Scientific reports , Volume: 13 Issue: 1 2023 Jul 10

Authors *Zhao Z,Sun M,Cui X,Chen J,Liu C,Zhang X*

The probiotic *Lactobacillus casei* Zhang-mediated correction of gut dysbiosis ameliorates peritoneal fibrosis by suppressing macrophage-related inflammation via the butyrate/PPAR- γ /NF- κ B pathway.

Food & function , Volume: 14 Issue: 15 2023 Jul 31

Authors *Wu Z,Zuo X,Wang X,Shi M,Zhu H,Cao C,Liu X,Liang W,Yao Y,Wang L*

Cinnamon oil solid self-microemulsion mediates chronic mild stress-induced depression in mice by modulating monoamine neurotransmitters, corticosterone, inflammation cytokines, and intestinal flora.

Heliyon , Volume: 9 Issue: 6 2023 Jun

Authors *Ma T,Tang B,Wang Y,Shen M,Ping Y,Wang L,Su J*

Bacillus subtilis KC1 prevents *Mycoplasma gallisepticum*-induced lung injury by enhancing intestinal *Bifidobacterium animalis* and regulating indole metabolism in chickens.

Poultry science , Volume: 102 Issue: 8 2023 Aug

Authors *Chen X,Ishfaq M,Hu F,Zheng Q,Hu X,Wang J,Huo N*

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*

Effects of *Lactocaseibacillus casei* (*Lactobacillus casei*) and *Saccharomyces cerevisiae* mixture on growth performance, hematological parameters, immunological responses, and intestinal microbiome in weaned pigs.

Frontiers in veterinary science , Volume: 10 2023

Authors *Kim S,Kwak J,Song M,Cho J,Kim ES,Keum GB,Doo H,Pandey S,Cho JH,Ryu S,Kim S,Im YM,Kim HB*

Goat and cow milk differ in altering the microbiota composition and neurotransmitter levels in insomnia mouse models.

Food & function , Volume: 14 Issue: 14 2023 Jul 17

Authors Mo L,Jing H,Du X,Zhao C,Lin Y,Li J,Wang H

Effect of Probiotic Yogurt Supplementation(Bifidobacterium animalis ssp. lactis BB-12) on Gut Microbiota of Female Taekwondo Athletes and Its Relationship with Exercise-Related Psychological Fatigue.

Microorganisms , Volume: 11 Issue: 6 2023 May 26

Authors Zhu J,Zhu Y,Song G

Phyto-Inhibitory and Antimicrobial Activity of Brown Propolis from Romania.

Antibiotics (Basel, Switzerland) , Volume: 12 Issue: 6 2023 Jun 5

Authors Vica ML,Glevitzky M,Heghedus-Mîndru RC,Dumitrel GA,Heghedus-Mîndru G,Popa M,Faur DM,Bâlici ?,Teodoru CA

Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.

The Journal of nutrition , 2023 Jun 20

Authors Eudy BJ,Odle J,Lin X,Maltecca C,Walter KR,McNulty NP,Fellner V,Jacobi SK

Harnessing the probiotic properties and immunomodulatory effects of fermented food-derived Limosilactobacillus fermentum strains: implications for environmental enteropathy.

Frontiers in nutrition , Volume: 10 2023

Authors Prakash V,Madhavan A,Veedu AP,Babu P,Jothish A,Nair SS,Suhail A,Prabhakar M,Sain T,Rajan R,Somanathan P,Abhinand K,Nair BG,Pal S

Probiotic modulation of gut microbiota by Bacillus coagulans MTCC 5856 in healthy subjects: A randomized, double-blind, placebo-control study.

Medicine , Volume: 102 Issue: 20 2023 May 19

Authors Majeed M,Nagabhushanam K,Mundkur L,Paulose S,Divakar H,Rao S,Arumugam S

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

Targeted modification of gut microbiota and related metabolites via dietary fiber.

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Nie Q,Sun Y,Li M,Zuo S,Chen C,Lin Q,Nie S

Characteristic Gut Bacteria in High Barley Consuming Japanese Individuals without Hypertension.

Microorganisms , Volume: 11 Issue: 5 2023 May 9

Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Nishimura M,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J

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

A gluten degrading probiotic Bacillus subtilis LZU-GM relieve adverse effect of gluten additive food and balances gut microbiota in mice.

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

Authors Khan A,Li S,Han H,Jin WL,Ling Z, Ji J,Iram S,Liu P,Xiao S,Salama ES,Li X

Engineered Bacillus subtilis alleviates intestinal oxidative injury through Nrf2-Keap1 pathway in enterotoxigenic Escherichia coli (ETEC) K88-infected piglet.

Journal of Zhejiang University. Science. B , Volume: 24 Issue: 6 2023 Jun 15

Authors Wen C,Zhang H,Guo Q,Duan Y,Chen S,Han M,Li F,Jin M,Wang Y

Lactobacillus casei and Its Supplement Alleviate Stress-Induced Depression and Anxiety in Mice by the Regulation of BDNF Expression and NF- κ B Activation.

Nutrients , Volume: 15 Issue: 11 2023 May 26

Authors Ma X,Shin YJ,Park HS,Jeong JW,Kim JY,Shim JJ,Lee JL,Kim DH

Regulation of Gut Microflora by Lactobacillus casei Zhang Attenuates Liver Injury in Mice Caused by Anti-Tuberculosis Drugs.

International journal of molecular sciences , Volume: 24 Issue: 11 2023 May 29

Authors Li Y,Zhao L,Sun C,Yang J,Zhang X,Dou S,Hua Q,Ma A,Cai J

Bacillus amyloliquefaciens alleviates the pathological injuries in mice infected with Schistosoma japonicum by modulating intestinal microbiome.

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Chen H,Sun R,Wang J,Yao S,Batool SS,Yu Z,Huang S,Huang J

Bifidobacterium bifidum E3 Combined with Bifidobacterium longum subsp. infantis E4 Improves LPS-Induced Intestinal Injury by Inhibiting the TLR4/NF- κ B and MAPK Signaling Pathways In Vivo.

Journal of agricultural and food chemistry , Volume: 71 Issue: 23 2023 Jun 14

Authors Yue Y,Wang Y,Xie Q,Lv X,Zhou L,Smith EE,Cao T,Zhang Y,Li B,Huo G,Ma W

Heat-Killed Bifidobacterium longum BBMN68 in Pasteurized Yogurt Alleviates Mugwort Pollen-Induced Allergic Airway

Responses through Gut Microbiota Modulation in a Murine Model.**Foods (Basel, Switzerland) , Volume: 12 Issue: 10 2023 May 19**

Authors Niu X,Yin X,Wu X,Zhang Q,Jiang Y,He J,Zhao Y,Zhang C,Ren Y,Lai M,Sang Y,Wang R

Comparison of the Effects of Enzymolysis Seaweed Powder and Saccharomyces boulardii on Intestinal Health and Microbiota Composition in Kittens.**Metabolites , Volume: 13 Issue: 5 2023 May 8**

Authors Zhang M,Mo R,Li M,Qu Y,Wang H,Liu T,Liu P,Wu Y

Selenium-enriched Bifidobacterium longum DD98 relieves irritable bowel syndrome induced by chronic unpredictable mild stress in mice.**Food & function , Volume: 14 Issue: 11 2023 Jun 6**

Authors Jin X,Hu Y,Lin T,Gao F,Xu Z,Hou X,Yin Y,Kan S,Zhu H,Chen D

Dietary Supplementation of Brevibacillus laterosporus S62-9 Improves Broiler Growth and Immunity by Regulating Cecal Microbiota and Metabolites.**Probiotics and antimicrobial proteins , 2023 May 22**

Authors Zhi T,Ma A,Liu X,Chen Z,Li S,Jia Y

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

Preparation and characterization of curcumin/chitosan conjugate as an efficient photodynamic antibacterial agent.**Carbohydrate polymers , Volume: 313 2023 Aug 1**

Authors Zhao L,Ding X,Khan IM,Yue L,Zhang Y,Wang Z

Supplementation with inulin-type fructans affects gut microbiota and attenuates some of the cardiometabolic benefits of a plant-based diet in individuals with overweight or obesity.**Frontiers in nutrition , Volume: 10 2023**

Authors Aldubayan MA,Mao X,Laursen MF,Pigsborg K,Christensen LH,Roager HM,Nielsen DS,Hjorth MF,Magkos F

Microencapsulation of Lactobacillus plantarum 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,Nuengjamnong 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

Bacillus licheniformis reverses the environmental ceftriaxone sodium-induced gut microbial dysbiosis and intestinal inflammation in mice.**Ecotoxicology and environmental safety , Volume: 257 2023 Jun 1**

Authors Zeng Z,Yue W,Kined C,Wang P,Liu R,Liu J,Chen X

Lactobacillus reuteri strain 8008 attenuated the aggravation of depressive-like behavior induced by CUMS in high-fat diet-fed mice through regulating the gut microbiota.**Frontiers in pharmacology , Volume: 14 2023**

Authors Li C,Su Z,Chen Z,Cao J,Liu X,Xu F

Lactobacillus plantarum CCFM405 against Rotenone-Induced Parkinson's Disease Mice via Regulating Gut Microbiota and Branched-Chain Amino Acids Biosynthesis.**Nutrients , Volume: 15 Issue: 7 2023 Apr 1**

Authors Chu C,Yu L,Li Y,Guo H,Zhai Q,Chen W,Tian F

Dried Fruits: Bioactives, Effects on Gut Microbiota, and Possible Health Benefits-An Update.**Nutrients , Volume: 15 Issue: 7 2023 Mar 26**

Authors Alasalvar C,Chang SK,Kris-Etherton PM,Sullivan VK,Petersen KS,Guasch-Ferré M,Jenkins DJA

Alleviation of Alcoholic Fatty Liver by Dendrobium officinale Flower Extracts due to Regulation of Gut Microbiota and Short-Chain Fatty Acids in Mice Exposed to Chronic Alcohol.**Foods (Basel, Switzerland) , Volume: 12 Issue: 7 2023 Mar 28**

Authors Zhang J,Fan J,Luo H,Liang Z,Guan Y,Lei X,Bo N,Zhao M

Neuroprotective Effects of Lactobacillus plantarum PS128 in a Mouse Model of Parkinson's Disease: The Role of Gut Microbiota and MicroRNAs.

International journal of molecular sciences , Volume: 24 Issue: 7 2023 Apr 5

Authors Lee YZ,Cheng SH,Chang MY,Lin YF,Wu CC,Tsai YC

Psychobiotic Lactobacillus plantarum JYLP-326 relieves anxiety, depression, and insomnia symptoms in test anxious college via modulating the gut microbiota and its metabolism.

Frontiers in immunology , Volume: 14 2023

Authors Zhu R,Fang Y,Li H,Liu Y,Wei J,Zhang S,Wang L,Fan R,Wang L,Li S,Chen T

Effects of an inulin fiber diet on the gut microbiome, colon, and inflammatory biomarkers in aged mice.

Experimental gerontology , Volume: 176 2023 Jun 1

Authors Hutchinson NT,Wang SS,Rund LA,Caetano-Silva ME,Allen JM,Johnson RW,Woods JA

Bifidobacterium longum Administration Diminishes Parasitemia and Inflammation During Plasmodium berghei Infection in Mice.

Journal of inflammation research , Volume: 16 2023

Authors Fitri LE,Sardjono TW,Winaris N,Pawestri AR,Endharti AT,Norahmawati E,Handayani D,Kurniawan SN,Azizah S,Alifia LI,Asiyah R,Ayuningtyas TR

Effects of Pomegranate Peel Polyphenols Combined with Inulin on Gut Microbiota and Serum Metabolites of High-Fat-Induced Obesity Rats.

Journal of agricultural and food chemistry , Volume: 71 Issue: 14 2023 Apr 12

Authors Shi H,Li X,Hou C,Chen L,Zhang Y,Li J

Exploring the Potential of Lactobacillus helveticus R0052 and Bifidobacterium longum R0175 as Promising Psychobiotics Using SHIME.

Nutrients , Volume: 15 Issue: 6 2023 Mar 21

Authors De Oliveira FL,Salgado MK,de Oliveira MT,Mesa V,Sartoratto A,Peregrino AM,Ramos WS,Sivieri K

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

Antimicrobial and immunoregulatory effects of Lactobacillus delbrueckii 45E against genitourinary pathogens.

Journal of biomedical science , Volume: 30 Issue: 1 2023 Mar 23

Authors Bnfağa AA,Lee KW,Than LTL,Amin-Nordin S

Ethanol extract of propolis regulates type 2 diabetes in mice via metabolism and gut microbiota.

Journal of ethnopharmacology , Volume: 310 2023 Jun 28

Authors Guan R,Ma N,Liu G,Wu Q,Su S,Wang J,Geng Y

Pectin modulates intestinal immunity in a pig model via regulating the gut microbiota-derived tryptophan metabolite-AhR-IL22 pathway.

Journal of animal science and biotechnology , Volume: 14 Issue: 1 2023 Mar 8

Authors Dang G,Wen X,Zhong R,Wu W,Tang S,Li C,Yi B,Chen L,Zhang H,Schroyen M

Effects of fermented soybean meal supplementation on the growth performance and apparent total tract digestibility by modulating the gut microbiome of weaned piglets.

Scientific reports , Volume: 13 Issue: 1 2023 Mar 6

Authors Muniyappan M,Shanmugam S,Park JH,Han K,Kim IH

Lactobacillus plantarum HF02 alleviates lipid accumulation and intestinal microbiota dysbiosis in high-fat diet-induced obese mice.

Journal of the science of food and agriculture , Volume: 103 Issue: 9 2023 Jul

Authors Chen H,Zhao H,Qi X,Sun Y,Ma Y,Li Q

Goji berry leaf exerts a comparable effect against colitis and microbiota dysbiosis to its fruit in dextran-sulfate-sodium-treated mice.

Food & function , Volume: 14 Issue: 7 2023 Apr 3

Authors Yu C,Chen Y,Ahmadi S,Wu D,Wu J,Ding T,Liu D,Ye X,Chen S,Pan H

Dietary Bacillus licheniformis shapes the foregut microbiota, improving nutrient digestibility and intestinal health in broiler chickens.

Frontiers in microbiology , Volume: 14 2023

Authors Han Y,Xu X,Wang J,Cai H,Li D,Zhang H,Yang P,Meng K

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

Dietary Supplementation with Probiotic Bacillus licheniformis S6 Improves Intestinal Integrity via Modulating Intestinal Barrier Function and Microbial Diversity in Weaned Piglets.

Biology , Volume: 12 Issue: 2 2023 Feb 2

Authors Sun W,Chen W,Meng K,Cai L,Li G,Li X,Jiang X

[Efficacy of incremental loads of cow's milk as a treatment for lactose malabsorption in Japan.](#)

World journal of clinical cases , Volume: 11 Issue: 4 2023 Feb 6

Authors Hasegawa M,Okada K,Nagata S,Sugihara S

[Effects of kiwi fruit \(Actinidia chinensis\) polysaccharides on metabolites and gut microbiota of acrylamide-induced mice.](#)

Frontiers in nutrition , Volume: 10 2023

Authors Chen M,Chen X,Wang K,Cai L,Liu N,Zhou D,Jia W,Gong P,Liu N,Sun Y

[Intestinal microbial composition changes induced by Lactobacillus plantarum GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.](#)

Journal of animal science and technology , Volume: 64 Issue: 6 2022 Nov

Authors Yu DY,Oh SH,Kim IS,Kim GI,Kim JA,Moon YS,Jang JC,Lee SS,Jung JH,Park J,Cho KK

[The Dietary Fermentable Fiber Inulin Alters the Intestinal Microbiome and Improves Chronic Kidney Disease Mineral-Bone Disorder in a Rat Model of CKD.](#)

bioRxiv : the preprint server for biology , 2023 Jan 31

Authors Biruete A,Chen NX,Metzger CE,Srinivasan S,Oâ Neill K,Fallen PB,Fonseca A,Wilson HE,de Loor H,Evenepoel P,Swanson KS,Allen MR,Moe SM

[Taiwanese green propolis ameliorates metabolic syndrome via remodeling of white adipose tissue and modulation of gut microbiota in diet-induced obese mice.](#)

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 160 2023 Apr

Authors Chien YH,Yu YH,Chen YW

[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

[Lacticaseibacillus casei T1 attenuates Helicobacter pylori-induced inflammation and gut microbiota disorders in mice.](#)

BMC microbiology , Volume: 23 Issue: 1 2023 Feb 11

Authors Yu Z,Cao M,Peng J,Wu D,Li S,Wu C,Qing L,Zhang A,Wang W,Huang M,Zhao J

[Inulin supplementation prior to mild traumatic brain injury mitigates gut dysbiosis, and brain vascular and white matter deficits in mice.](#)

Frontiers in microbiomes , Volume: 1 2022

Authors Yanckello LM,Chang YH,Sun M,Chlipala G,Green SJ,Lei Z,Ericsson AC,Xing X,Hammond TC,Bachstetter AD,Lin AL

[The effect of Bacillus subtilis and its delivery route on hatch and growth performance, blood biochemistry, immune status, gut morphology, and microbiota of broiler chickens.](#)

Poultry science , Volume: 102 Issue: 4 2023 Apr

Authors Oladokun S,Adewole D

[A High Dose of Dietary Berberine Improves Gut Wall Morphology, Despite an Expansion of Enterobacteriaceae and a Reduction in Beneficial Microbiota in Broiler Chickens.](#)

mSystems , Volume: 8 Issue: 1 2023 Feb 23

Authors Dehau T,Cherlet M,Croubels S,van Immerseel F,Goossens E

[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

[Comparative study between two different morphological structures based on polylactic acid, nanocellulose and magnetite for co-delivery of fluorouracil and curcumin.](#)

International journal of biological macromolecules , Volume: 230 2023 Mar 1

Authors Bakr EA,Gaber M,Saad DR,Salahuddin N

[Lacticaseibacillus rhamnosus Hao9 exerts antidiabetic effects by regulating gut microbiome, glucagon metabolism, and insulin levels in type 2 diabetic mice.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Han M,Liao W,Dong Y,Bai C,Gai Z

[Amelioration of cognitive impairment using epigallocatechin-3-gallate in ovariectomized mice fed a high-fat diet involves remodeling with Prevotella and Bifidobacteriales.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Qu Y,Wu Y,Cheng W,Wang D,Zeng L,Wang Y,Li T,Zhang L,Yang J,Sun L,Ai J

[Modulatory Effect of Fermented Black Soybean and Adlay on Gut Microbiota Contributes to Healthy Aging.](#)

Molecular nutrition & food research , Volume: 67 Issue: 5 2023 Mar

Authors Koh YC,Kuo LH,Chang YY,Tung YC,Lo YC,Pan MH

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

Bacillus amyloliquefaciens 40 regulates piglet performance, antioxidant capacity, immune status and gut microbiota.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar

Authors Jiang Z,Su W,Li W,Wen C,Du S,He H,Zhang Y,Gong T,Wang X,Wang Y,Jin M,Lu Z

Probiotic Bifidobacterium longum BB68S Improves Cognitive Functions in Healthy Older Adults: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 15 Issue: 1 2022 Dec 22

Authors Shi S,Zhang Q,Sang Y,Ge S,Wang Q,Wang R,He J

Lactisacibacillus rhamnosus Probio-M9-Driven Mouse Mammary Tumor-Inhibitory Effect Is Accompanied by Modulation of Host Gut Microbiota, Immunity, and Serum Metabolome.

Nutrients , Volume: 15 Issue: 1 2022 Dec 20

Authors Zhang W,Zhang Y,Li Y,Ma D,Zhang H,Kwok LY

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 Hakkola M,Vehviläinen P,Muotka J,Tejesvi MV,Pokka T,Vähäsarja P,Hanni AM,Renko M,Uhari M,Salo J,Tapiainen T

Inulin intervention attenuates hepatic steatosis in rats via modulating gut microbiota and maintaining intestinal barrier function.

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Yang Z,Su H,Lv Y,Tao H,Jiang Y,Ni Z,Peng L,Chen X

Diet-rich in wheat bran modulates tryptophan metabolism and AhR/IL-22 signalling mediated metabolic health and gut dysbacteriosis: A novel prebiotic-like activity of wheat bran.

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Yan T,Shi L,Liu T,Zhang X,Yang M,Peng W,Sun X,Yan L,Dai X,Yang X

Thyme (Thymus vulgaris L.) polyphenols ameliorate DSS-induced ulcerative colitis of mice by mitigating intestinal barrier damage, regulating gut microbiota, and suppressing TLR4/NF- κ B-NLRP3 inflammasome pathways.

Food & function , Volume: 14 Issue: 2 2023 Jan 23

Authors Zhou Z,He W,Tian H,Zhan P,Liu J

Bifidobacterium animalis subsp. lactis BL-99 ameliorates colitis-related lung injury in mice by modulating short-chain fatty acid production and inflammatory monocytes/macrophages.

Food & function , Volume: 14 Issue: 2 2023 Jan 23

Authors Nan X,Zhao W,Liu WH,Li Y,Li N,Hong Y,Cui J,Shang X,Feng H,Hung WL,Peng G

The administration of Enterococcus faecium SF68 counteracts compositional shifts in the gut microbiota of diet-induced obese mice.

Frontiers in microbiology , Volume: 13 2022

Authors Panattoni A,Calvignoni M,Benvenuti L,D'Antongiovanni V,Pellegrini C,Di Salvo C,Mazzantini D,Celandroni F,Fornai M,Antonioioli L,Ghelardi E

Curcumin loaded gold nanoparticles-chitosan/sodium alginate nanocomposite for nanotheranostic applications.

Journal of biomaterials science. Polymer edition , Volume: 34 Issue: 7 2023 May

Authors Kolathupalayam Shanmugam B,Rajendran N,Arumugam K,Rangaraj S,Subramani K,Srinivasan S,Nayagam L,Aicher WK,Venkatachalam R

Effects of a Saccharomyces cerevisiae fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.

Journal of animal science , 2022 Dec 27

Authors Oba PM,Carroll MQ,Sieja KM,Nogueira JPS,Yang X,Epp TY,Warzecha CM,Varney JL,Fowler JW,Coon CN,Swanson KS

Green Tea Catechin EGCG Ameliorates Thioacetamide-Induced Hepatic Encephalopathy in Rats via Modulation of the Microbiota-Gut-Liver Axis.

Molecular nutrition & food research , Volume: 67 Issue: 8 2023 Apr

Authors Zhou Z,Li K,Guo J,Wang Y,Wei Y,Duan J,Chen M,Shi L,Hu W

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

Differential reinforcement of intestinal barrier function by various Lactobacillus reuteri strains in mice with DSS-induced acute colitis.

Life sciences , Volume: 314 2023 Feb 1

Authors Lin C,Zheng Y,Lu J,Zhang H,Wang G,Chen W

Dietary Supplementation with Black Raspberries Altered the Gut Microbiome Composition in a Mouse Model of Colitis-Associated Colorectal Cancer, although with Differing Effects for a Healthy versus a Western Basal Diet.

Nutrients , Volume: 14 Issue: 24 2022 Dec 10

Authors Rodríguez DM,Hintze KJ,Rompato G,Wettere AJV,Ward RE,Phatak S,Neal C,Armbrust T,Stewart EC,Thomas AJ,Benninghoff AD

Influence of Dietary Inulin on Fecal Microbiota, Cardiometabolic Risk Factors, Eicosanoids, and Oxidative Stress in Rats Fed a High-Fat Diet.

Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 16

Authors Miralles-Pérez B,Nogués MR,Sánchez-Martos V,Fortuño-Mar À,Ramos-Romero S,Torres JL,Ponomarenko J,Amézqueta S,Zhang X,Romeu M

Effects of a Specific Pre- and Probiotic Combination and Parent Stock Vaccination on Performance and Bacterial Communities in Broilers Challenged with a Multidrug-Resistant Escherichia coli.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 12 2022 Nov 26

Authors Fuhrmann L,Zentek J,Vahjen W,Günther R,Saliu EM

Effects of highland barley β -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

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

Curcumin Regulates Gut Microbiota and Exerts a Neuroprotective Effect in the MPTP Model of Parkinson's Disease.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2022 2022

Authors Zhu H,Zhang H,Hou B,Xu B, Ji L,Wu Y

Lactobacillus reuteri improves the development and maturation of fecal microbiota in piglets through mother-to-infant microbe and metabolite vertical transmission.

Microbiome , Volume: 10 Issue: 1 2022 Dec 2

Authors Wang G,Wang X, Ma Y,Cai S,Yang L,Fan Y,Zeng X,Qiao S

Tea polyphenol and epigallocatechin gallate ameliorate hyperlipidemia via regulating liver metabolism and remodeling gut microbiota.

Food chemistry , Volume: 404 Issue: Pt A 2023 Mar 15

Authors Wen JJ,Li MZ,Chen CH,Hong T,Yang JR,Huang XJ,Geng F,Hu JL,Nie SP

The 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

The effects of Saccharomyces boulardii on rat colonic hypermotility induced by repeated water avoidance stress and the potential mechanism.

PeerJ , Volume: 10 2022

Authors Liu J,Ren H,Yuan F,Shao M,Luo H

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

Effects of Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens.

Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 20

Authors Wu T,Yang F,Jiao T,Zhao S

Enterococcus faecium GEFA01 alleviates hypercholesterolemia by promoting reverse cholesterol transportation via modulating the gut microbiota-SCFA axis.

Frontiers in nutrition , Volume: 9 2022

Authors Xu W,Zou K,Zhan Y,Cai Y,Zhang Z,Tao X,Qiu L,Wei H

Investigation of Immunostimulatory Effects of Heat-Treated Lactiplantibacillus plantarum LM1004 and Its Underlying Molecular Mechanism.

Food science of animal resources , Volume: 42 Issue: 6 2022 Nov

Authors Bae WY,Jung WH,Shin SL,Kwon S,Sohn M,Kim TR

[Lactocaseibacillus casei ATCC334 Ameliorates Radiation-Induced Intestinal Injury in Rats by Targeting Microbes and Metabolites.](#)

Molecular nutrition & food research , Volume: 67 Issue: 1 2023 Jan

Authors Hua Q,Zhang H,Xu R,Tian C,Gao T,Yuan Y,Han Y,Li Y,Qi C,Zhong F,Ma A

[Lactocaseibacillus rhamnosus HN001 alters the microbiota composition in the cecum but not the feces in a piglet model.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Young W,Maclean P,Dunstan K,Ryan L,Peters J,Armstrong K,Anderson R,Dewhurst H,van Gendt M,Dilger RN,Dekker J,Haggarty N,Roy N

[Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.](#)

Applied microbiology and biotechnology , Volume: 106 Issue: 24 2022 Dec

Authors Zhai T,Ren W,Wang P,Zheng L

[Diets enriched with finely ground wheat bran alter digesta passage rate and composition of the gut microbiome in sows.](#)

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar

Authors Wang Z,Wang W,Xu S,Ding J,Zeng X,Liu H,Wang F

[Neuroprotective Effects of Bifidobacterium breve CCFM1067 in MPTP-Induced Mouse Models of Parkinson's Disease.](#)

Nutrients , Volume: 14 Issue: 21 2022 Nov 4

Authors Li T,Chu C,Yu L,Zhai Q,Wang S,Zhao J,Zhang H,Chen W,Tian F

[Plant-Derived Lactobacillus paracasei UH-SONE68 Improves the Gut Microbiota Associated with Hepatic Disorders: A Randomized, Double-Blind, and Placebo-Controlled Clinical Trial.](#)

Nutrients , Volume: 14 Issue: 21 2022 Oct 26

Authors Danshiitsoodol N,Noda M,Kanno K,Uchida T,Sugiyama M

[Lactobacillus rhamnosus TR08 Improves Dyslipidemia in Mice Fed with a High Fat Diet by Regulating the Intestinal Microbiota, Reducing Systemic Inflammatory Response, and Promoting Sphingomholipid Metabolism.](#)

Molecules (Basel, Switzerland) , Volume: 27 Issue: 21 2022 Oct 29

Authors Feng X,Ding L,Ma G,Zhang Y,Sun Y,Li Z,Tao X,Ali A,Wang D,Wu L

[Postbiotics Prepared Using Lactobacillus paracasei CCFM1224 Prevent Nonalcoholic Fatty Liver Disease by Modulating the Gut Microbiota and Liver Metabolism.](#)

International journal of molecular sciences , Volume: 23 Issue: 21 2022 Nov 4

Authors Pan Z,Mao B,Zhang Q,Tang X,Yang B,Zhao J,Cui S,Zhang H

[Effects of Bacillus subtilis BSNK-5-Fermented Soymilk on the Gut Microbiota by In Vitro Fecal Fermentation.](#)

Foods (Basel, Switzerland) , Volume: 11 Issue: 21 2022 Nov 3

Authors Gao Y,Hou L,Hu M,Li D,Tian Z,Wen W,Fan B,Li S,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

[Dietary Oregano Essential Oil Supplementation Influences Production Performance and Gut Microbiota in Late-Phase Laying Hens Fed Wheat-Based Diets.](#)

Animals : an open access journal from MDPI , Volume: 12 Issue: 21 2022 Nov 2

Authors Gao F,Zhang L,Li H,Xia F,Bai H,Piao X,Sun Z,Cui H,Shi L

[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

[Effect of garlic extract on weight loss and gut microbiota composition in obese women: A double-blind randomized controlled trial.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Ettehad-Marvasti F,Ejtahed HS,Siadat SD,Soroush AR,Hoseini-Tavassol Z,Hasani-Ranjbar S,Larijani B

[Structural Insights into Amelioration Effects of Quercetin and Its Glycoside Derivatives on NAFLD in Mice by Modulating the Gut Microbiota and Host Metabolism.](#)

Journal of agricultural and food chemistry , Volume: 70 Issue: 46 2022 Nov 23

Authors Shi Z,Zhang C,Lei H,Chen C,Cao Z,Song Y,Chen G,Wu F,Zhou J,Lu Y,Zhang L

[Molecular actions of different functional oligosaccharides on intestinal integrity, immune function and microbial community in weanling pigs.](#)

Food & function , Volume: 13 Issue: 23 2022 Nov 28

Authors Gao H,Sun F,Lin G,Guo Y,Zhao J

[Gut microbiome and metabolome analyses reveal the protective effect of special high-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

Co-fermented yellow wine lees by *Bacillus subtilis* and *Enterococcus faecium* regulates growth performance and gut microbiota in finishing pigs.

Frontiers in microbiology , Volume: 13 2022

Authors Zhang Y,Wang C,Su W,Jiang Z,He H,Gong T,Kai L,Xu H,Wang Y,Lu Z

Flavones interact with fiber to affect fecal bacterial communities in vitro.

Food chemistry , Volume: 404 Issue: Pt B 2023 Mar 15

Authors Loo YT,Howell K,Suleria H,Zhang P,Liu S,Ng K

Cedrol from ginger alleviates rheumatoid arthritis through dynamic regulation of intestinal microenvironment.

Food & function , Volume: 13 Issue: 22 2022 Nov 14

Authors Zhang Y,Liu Y,Peng F,Wei X,Hao H,Li W,Zhao Y

Curcumin alleviates LPS-induced intestinal homeostatic imbalance through reshaping gut microbiota structure and regulating group 3 innate lymphoid cells in chickens.

Food & function , Volume: 13 Issue: 22 2022 Nov 14

Authors Ruan D,Wu S,Fouad AM,Zhu Y,Huang W,Chen Z,Gou Z,Wang Y,Han Y,Yan S,Zheng C,Jiang S

Bifidobacterium animalis Promotes the Growth of Weaning Piglets by Improving Intestinal Development, Enhancing Antioxidant Capacity, and Modulating Gut Microbiota.

Applied and environmental microbiology , Volume: 88 Issue: 22 2022 Nov 22

Authors Pang J,Liu Y,Kang L,Ye H,Zang J,Wang J,Han D

Lactocaseibacillus rhamnosus-Derived Exopolysaccharide Attenuates D-Galactose-Induced Oxidative Stress and Inflammatory Brain Injury and Modulates Gut Microbiota in a Mouse Model.

Microorganisms , Volume: 10 Issue: 10 2022 Oct 17

Authors Kumari M,Dasriya VL,Nataraj BH,Nagpal R,Behare PV

Baseline gut microbial profiles are associated with the efficacy of *Bacillus subtilis* and *Enterococcus faecium* in IBS-D.

Scandinavian journal of gastroenterology , Volume: 58 Issue: 4 2023 Apr

Authors Hong G,Li Y,Yang M,Li G,Jin Y,Xiong H,Qian W,Hou X

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

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

Lactobacillus delbrueckii might lower serum triglyceride levels via colonic microbiota modulation and SCFA-mediated fat metabolism in parenteral tissues of growing-finishing pigs.

Frontiers in veterinary science , Volume: 9 2022

Authors Hou G,Yin J,Wei L,Li R,Peng W,Yuan Y,Huang X,Yin Y

Inulin accelerates weight loss in obese mice by regulating gut microbiota and serum metabolites.

Frontiers in nutrition , Volume: 9 2022

Authors Wu Z,Du Z,Tian Y,Liu M,Zhu K,Zhao Y,Wang H

Differential regulation and preventive mechanisms of green tea powder with different quality attributes on high-fat diet-induced obesity in mice.

Frontiers in nutrition , Volume: 9 2022

Authors Wang J,Dong L,Hu JQ,Wang YY,Li A,Peng B,Zhang BW,Liu JM,Wang S

Probiotic effects of *Lactocaseibacillus rhamnosus* 1155 and *Limosilactobacillus fermentum* 2644 on hyperuricemic rats.

Frontiers in nutrition , Volume: 9 2022

Authors Li Y,Zhu J,Lin G,Gao K,Yu Y,Chen S,Chen L,Chen Z,Li L

Curcumin encapsulation in self-assembled nanoparticles based on amphiphilic palmitic acid-grafted-quaternized chitosan with enhanced cytotoxic, antimicrobial and antioxidant properties.

International journal of biological macromolecules , Volume: 222 Issue: Pt B 2022 Dec 1

Authors Xie Y,Gong X,Jin Z,Xu W,Zhao K

Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF-

?B pathway mediated by gut microbiota disturbance in obese dogs.

Research in veterinary science , Volume: 152 2022 Dec 20

Authors Lu J,Zhu D,Lu J,Liu J,Wu Z,Liu L

Role of a probiotic strain in the modulation of gut microbiota and cytokines in inflammatory bowel disease.

Anaerobe , Volume: 78 2022 Dec

Authors Bamola VD,Dubey D,Samanta P,Kedia S,Ahuja V,Madempudi RS,Neelamraju J,Chaudhry R

Synbiotic microencapsulation of Enterococcus faecium Rp1: a potential probiotic isolated from ragi porridge with antiproliferative property against colon carcinoma cell line.

Journal of food science and technology , Volume: 59 Issue: 10 2022 Oct

Authors Ashwanandhini G,Reshma R,Preetha R

Effect and Mechanism of Pharmaceutical Excipients on Berberine to Alleviate Ulcerative Colitis via Regulating Gut Microbiota.

Molecules (Basel, Switzerland) , Volume: 27 Issue: 18 2022 Sep 15

Authors Wu C,Zheng T,Chen H,Zou P,Zhang M,Wang J,Li N,Zhang Y,Li Y,Dong Z

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

Synthesis, spectroscopic characterization, density functional theory study, antimicrobial and antioxidant activities of curcumin and alanine-curcumin Schiff base.

Journal of biomolecular structure & dynamics , Volume: 41 Issue: 16 2023 Sep-Oct

Authors Layaida H,Hellal A,Chafai N,Haddadi I,Imene K,Anis B,Mouna E,Bensouici C,Sobhi W,Attoui A,Lilia A

Impact of Propolis on Escherichia coli and Bacillus subtilis Based on Total DNA, RNA and Protein Levels.

Pakistan journal of biological sciences : PJBS , Volume: 25 Issue: 9 2022 Jan

Authors Nafea EA,Yousef AD,Dereny SHE,Abdel-Hameed KHM,Mahfouz HM,Farghaly DS

Effect of aqueous and organic solvent extraction on in-vitro antimicrobial activity of two varieties of fresh ginger (Zingiber officinale) and garlic (Allium sativum).

Heliyon , Volume: 8 Issue: 9 2022 Sep

Authors Akullo JO,Kiagi B,Nakimbugwe D,Kinyuru J

Formation of cinnamon essential oil/xanthan gum/chitosan composite microcapsules basing on Pickering emulsions.

Colloid and polymer science , Volume: 300 Issue: 10 2022

Authors Li X,Gao Y,Li Y,Li Y,Liu H,Yang Z,Wu H,Hu Y

Antibacterial and antibiofilm activity of Lactobacillus strains secretome and extraction against Escherichia coli isolated from urinary tract infection.

Biotechnology reports (Amsterdam, Netherlands) , Volume: 36 2022 Dec

Authors Soltani N,Abbasi S,Baghaeifar S,Taheri E,Farhoudi Sefidan Jadid M,Emami P,Abolhasani K,Aslanshirzadeh F

Comparing the Effects of Concord Grape (Vitis labrusca L.) Puree, Juice, and Pomace on Intestinal Morphology, Functionality, and Bacterial Populations In Vivo (Gallus gallus).

Nutrients , Volume: 14 Issue: 17 2022 Aug 27

Authors Agarwal N,Shukla V,Kolba N,Jackson C,Cheng J,Padilla-Zakour OI,Tako E

Impact of Clarified Apple Juices with Different Processing Methods on Gut Microbiota and Metabolomics of Rats.

Nutrients , Volume: 14 Issue: 17 2022 Aug 25

Authors Xu L,Yang S,Wang K,Lu A,Wang X,Xu Z

Metabologenomic Approach Reveals Intestinal Environmental Features Associated with Barley-Induced Glucose Tolerance Improvements in Japanese: A Randomized Controlled Trial.

Nutrients , Volume: 14 Issue: 17 2022 Aug 24

Authors Goto Y,Nishimoto Y,Murakami S,Nomaguchi T,Mori Y,Ito M,Nakaguro R,Kudo T,Matsuoka T,Yamada T,Kobayashi T,Fukuda S

Green tea extract alters gut microbiota and their metabolism of adults with metabolic syndrome in a host-free human colonic model.

Food research international (Ottawa, Ont.) , Volume: 160 2022 Oct

Authors Zhang S,Xu M,Sun X,Shi H,Zhu J

The antidiabetic effects of Bifidobacterium longum subsp. longum BL21 through regulating gut microbiota structure in type 2 diabetic mice.

Food & function , Volume: 13 Issue: 19 2022 Oct 3

Authors Hao J,Zhang Y,Wu T,Liu R,Sui W,Zhu J,Fang S,Geng J,Zhang M

Milk fat globule membrane supplementation to obese rats during pregnancy and lactation promotes neurodevelopment in offspring via modulating gut microbiota.

Frontiers in nutrition , Volume: 9 2022

Authors Yuan Q,Gong H,Du M,Li T,Mao X

[Effects of Bacillus subtilis natto JLCC513 on gut microbiota and intestinal barrier function in obese rats.](#)**Journal of applied microbiology , Volume: 133 Issue: 6 2022 Dec**

Authors Sun R,Niu H,Sun M,Miao X,Jin X,Xu X,Yanping C,Mei H,Wang J,Da L,Su Y

[Curcumin-driven reprogramming of the gut microbiota and metabolome ameliorates motor deficits and neuroinflammation in a mouse model of Parkinson's disease.](#)**Frontiers in cellular and infection microbiology , Volume: 12 2022**

Authors Cui C,Han Y,Li H,Yu H,Zhang B,Li G

[Nano-Microemulsions of CaCO₃-Encapsulated Curcumin Ester Derivatives With High Antioxidant and Antimicrobial Activities and pH Sensitivity.](#)**Frontiers in veterinary science , Volume: 9 2022**

Authors Wang L,Wang X,Guo Z,Xia Y,Geng M,Liu D,Zhang Z,Yang Y

[Eugenol, A Major Component of Clove Oil, Attenuates Adiposity, and Modulates Gut Microbiota in High-Fat Diet-Fed Mice.](#)**Molecular nutrition & food research , Volume: 66 Issue: 20 2022 Oct**

Authors Li M,Zhao Y,Wang Y,Geng R,Fang J,Kang SG,Huang K,Tong T

[Different effects of Bacillus coagulans vegetative cells and spore isolates on constipation-induced gut microbiota dysbiosis in mice.](#)**Food & function , Volume: 13 Issue: 18 2022 Sep 22**

Authors Li L,Liu B,Cao J,Zhang H,Tian F,Yu L,Chen W,Zhai Q

[Chicken Gut Microbiota Responses to Dietary Bacillus subtilis Probiotic in the Presence and Absence of Eimeria Infection.](#)**Microorganisms , Volume: 10 Issue: 8 2022 Jul 31**

Authors Memon FU,Yang Y,Zhang G,Leghari IH,Lv F,Wang Y,Laghari F,Khushk FA,Si H

[Regulation of a High-Iron Diet on Lipid Metabolism and Gut Microbiota in Mice.](#)**Animals : an open access journal from MDPI , Volume: 12 Issue: 16 2022 Aug 13**

Authors Xiong Q,Zhao J,Tian C,Ma W,Miao L,Liang L,Zhang K,Du H

[Selenium-enriched Bifidobacterium longum DD98 effectively ameliorates dextran sulfate sodium-induced ulcerative colitis in mice.](#)**Frontiers in microbiology , Volume: 13 2022**

Authors Hu Y,Jin X,Gao F,Lin T,Zhu H,Hou X,Yin Y,Kan S,Chen D

[Bacillus subtilis-Fermented Products Ameliorate the Growth Performance, Alleviate Intestinal Inflammatory Gene Expression, and Modulate Cecal Microbiota Community in Broilers during the Starter Phase under Dextran Sulfate Sodium Challenge.](#)**The journal of poultry science , Volume: 59 Issue: 3 2022 Jul 25**

Authors Chen JY,Yu YH

[Bifidobacterium longum CECT 7894 Improves the Efficacy of Infliximab for DSS-Induced Colitis via Regulating the Gut Microbiota and Bile Acid Metabolism.](#)**Frontiers in pharmacology , Volume: 13 2022**

Authors Xiao F,Dong F,Li X,Li Y,Yu G,Liu Z,Wang Y,Zhang T

[Elucidation of Anti-Hypertensive Mechanism by a Novel Lactobacillus rhamnosus AC1 Fermented Soymilk in the Deoxycorticosterone Acetate-Salt Hypertensive Rats.](#)**Nutrients , Volume: 14 Issue: 15 2022 Aug 2**

Authors Wu H,Jiang L,Shum TF,Chiou J

[Modified highland barley regulates lipid metabolism, liver inflammation and gut microbiota in high-fat/cholesterol diet mice as revealed by LC-MS based metabonomics.](#)**Food & function , Volume: 13 Issue: 17 2022 Aug 30**

Authors Li X,Du Y,Zhang C,Tu Z,Wang L

[Probiotic Lactobacillus rhamnosus GR-1 supplementation attenuates Pb-induced learning and memory deficits by reshaping the gut microbiota.](#)**Frontiers in nutrition , Volume: 9 2022**

Authors Gu X,Bi N,Wang T,Huang C,Wang R,Xu Y,Wang HL

[Consumption of Wheat Peptides Improves Functional Constipation: A Translational Study in Humans and Mice.](#)**Molecular nutrition & food research , Volume: 66 Issue: 19 2022 Oct**

Authors Wang Q,Shen F,Zhang J,Cai H,Pan Y,Sun T,Gong Y,Du J,Zhong H,Feng F

[Oregano Essential Oils Mediated Intestinal Microbiota and Metabolites and Improved Growth Performance and Intestinal Barrier Function in Sheep.](#)**Frontiers in immunology , Volume: 13 2022**

Authors Jia L,Wu J,Lei Y,Kong F,Zhang R,Sun J,Wang L,Li Z,Shi J,Wang Y,Wei Y,Zhang K,Lei Z

In Vitro Analysis of Extracts of Plant Used in Mexican Traditional Medicine, Which Are Useful to Combat Clostridioides difficile Infection.

Pathogens (Basel, Switzerland) , Volume: 11 Issue: 7 2022 Jul 7

Authors Martínez-Alva JE, Espinoza-Simón E, Bayona-Pérez Y, Ruiz-Pérez NC, Ochoa SA, Xicohtencatl-Cortés J, Torres J, Romo-Castillo M

Limosilactobacillus reuteri Attenuates Atopic Dermatitis via Changes in Gut Bacteria and Indole Derivatives from Tryptophan Metabolism.

International journal of molecular sciences , Volume: 23 Issue: 14 2022 Jul 13

Authors Fang Z, Pan T, Wang H, Zhu J, Zhang H, Zhao J, Chen W, Lu W

Antimicrobial Activity of Essential Oils Evaluated In Vitro against Escherichia coli and Staphylococcus aureus.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 7 2022 Jul 20

Authors Galgano M, Capozza P, Pellegrini F, Cordisco M, Sposato A, Sblano S, Camero M, Lanave G, Fracchiolla G, Corrente M, Cirone F, Trotta A, Tempesta M, Buonavoglia D, Pratelli A

Berberubine, a Main Metabolite of Berberine, Alleviates Non-Alcoholic Fatty Liver Disease via Modulating Glucose and Lipid Metabolism and Restoring Gut Microbiota.

Frontiers in pharmacology , Volume: 13 2022

Authors Yang S, Cao S, Li C, Zhang J, Liu C, Qiu F, Kang N

Gender-based effect of absence of gut microbiota on the protective efficacy of Bifidobacterium longum-fermented rice bran diet against inflammation-associated colon tumorigenesis.

Molecular carcinogenesis , Volume: 61 Issue: 10 2022 Oct

Authors Kumar R, Maurya AK, Parker KD, Kant R, Ibrahim H, Kabir MI, Kumar D, Weber AM, Agarwal R, Kuhn KA, Ryan EP, Raina K

Recombinant Bifidobacterium longum Carrying Endostatin Protein Alleviates Dextran Sodium Sulfate-Induced Colitis and Colon Cancer in Rats.

Frontiers in microbiology , Volume: 13 2022

Authors Bi Z, Cui E, Yao Y, Chang X, Wang X, Zhang Y, Xu GX, Zhuang H, Hua ZC

Lactocaseibacillus rhamnosus Fmb14 prevents purine induced hyperuricemia and alleviate renal fibrosis through gut-kidney axis.

Pharmacological research , Volume: 182 2022 Aug

Authors Zhao H, Chen X, Zhang L, Meng F, Zhou L, Pang X, Lu Z, Lu Y

Effect of chicory-derived inulin-type fructans on abundance of Bifidobacterium and on bowel function: a systematic review with meta-analyses.

Critical reviews in food science and nutrition , Volume: 63 Issue: 33 2023 Nov

Authors Nagy DU, Sándor-Bajusz KA, Bódy B, Decsi T, Van Harsselaar J, Theis S, Lohner S

Dietary Eugenol Nanoemulsion Potentiated Performance of Broiler Chickens: Orchestration of Digestive Enzymes, Intestinal Barrier Functions and Cytokines Related Gene Expression With a Consequence of Attenuating the Severity of E. coli 078 Infection.

Frontiers in veterinary science , Volume: 9 2022

Authors Ibrahim D, Eldemery F, Metwally AS, Abd-Allah EM, Mohamed DT, Ismail TA, Hamed TA, Al Sadik GM, Neamat-Allah ANF, Abd El-Hamid MI

Effect of ellagic acid and mesocarp extract of Punica granatum on productive and reproductive performances of laying hens.

Tropical animal health and production , Volume: 54 Issue: 4 2022 Jul 9

Authors Gul H, Geng Z, Habib G, Hayat A, Rehman MU, Khan I

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, Kostuchenko O, Kravchenko N, Burleigh S, Prykhodko O, Hållenius FF, Heyman-Lindén L

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

Fermented milk of cheese-derived Lactobacillus delbrueckii subsp. bulgaricus displays potentials in alleviating alcohol-induced hepatic injury and gut dysbiosis in mice.

Food research international (Ottawa, Ont.) , Volume: 157 2022 Jul

Authors Liu M, Liu M, Yang S, Shen C, Wang X, Liu W, Guo Y

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

In-Vitro Antibacterial Activity of Curcumin-Loaded Nanofibers Based on Hyaluronic Acid against Multidrug-Resistant ESKAPE

Pathogens.**Pharmaceutics** , Volume: 14 Issue: 6 2022 May 31

Authors Snetkov P,Rogacheva E,Kremleva A,Morozkina S,Uspenskaya M,Kraeva L

Bifidobacterium adolescentis Is Effective in Relieving Type 2 Diabetes and May Be Related to Its Dominant Core Genome and Gut Microbiota Modulation Capacity.**Nutrients** , Volume: 14 Issue: 12 2022 Jun 15

Authors Qian X,Si Q,Lin G,Zhu M,Lu J,Zhang H,Wang G,Chen W

A Novel Probiotic Bacillus subtilis Strain Confers Cytoprotection to Host Pig Intestinal Epithelial Cells during Enterotoxigenic Escherichia coli Infection.**Microbiology spectrum** , Volume: 10 Issue: 4 2022 Aug 31

Authors Sudan S,Zhan X,Li J

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

Effect of dietary Bacillus coagulans on the performance and intestinal microbiota of weaned piglets.**Animal : an international journal of animal bioscience** , Volume: 16 Issue: 7 2022 Jul

Authors Sun T,Miao H,Zhang C,Wang Y,Liu S,Jiao P,Li W,Li Y,Huang Z

Protective effects of Lactocaseibacillus rhamnosus Hao9 on dextran sulphate sodium-induced ulcerative colitis in mice.**Journal of applied microbiology** , Volume: 133 Issue: 3 2022 Sep

Authors Han M,Liao W,Si X,Bai C,Gai Z

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

In vitro Intervention of Lactobacillus paracasei N1115 Can Alter Fecal Microbiota and Their SCFAs Metabolism of Pregnant Women with Constipation and Diarrhea.**Current microbiology** , Volume: 79 Issue: 7 2022 Jun 7

Authors Dang C,Zhao K,Xun Y,Feng L,Zhang D,Cui L,Cui Y,Jia X,Wang S

The Probiotic Lactobacillus paracasei Ameliorates Diarrhea Cause by Escherichia coli O(8) via Gut Microbiota Modulation(1).**Frontiers in nutrition** , Volume: 9 2022

Authors Ren S,Wang C,Chen A,Lv W,Gao R

Zingiber officinale and Panax ginseng ameliorate ulcerative colitis in mice via modulating gut microbiota and its metabolites.**Journal of chromatography. B, Analytical technologies in the biomedical and life sciences** , Volume: 1203 2022 Jul 1

Authors Wan Y,Yang L,Li H,Ren H,Zhu K,Dong Z,Jiang S,Shang E,Qian D,Duan J

Lactobacillus reuteri J1 prevents obesity by altering the gut microbiota and regulating bile acid metabolism in obese mice.**Food & function** , Volume: 13 Issue: 12 2022 Jun 20

Authors Zhang C,Fang R,Lu X,Zhang Y,Yang M,Su Y,Jiang Y,Man C

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

Quercetin Reduces Inflammation and Protects Gut Microbiota in Broilers.**Molecules (Basel, Switzerland)** , Volume: 27 Issue: 10 2022 May 19

Authors Sun L,Guo L,Xu G,Li Z,Appiah MO,Yang L,Lu W

Bifidobacterium longum CCFM752 prevented hypertension and aortic lesion, improved antioxidative ability, and regulated the gut microbiome in spontaneously hypertensive rats.**Food & function** , Volume: 13 Issue: 11 2022 Jun 6

Authors Lu W,Wang Y,Fang Z,Wang H,Zhu J,Zhai Q,Zhao J,Zhang H,Chen W

Antibacterial and antibiofilm activities of some plant essential oils and synergistic effects of cinnamon essential oil with vancomycin against Clostridioides difficile: in vitro study.**Letters in applied microbiology** , Volume: 75 Issue: 3 2022 Sep

Authors Tosun MN,Taylan G,Demirel Zorba NN

Probiotics synergized with conventional regimen in managing Parkinson's disease.**NPJ Parkinson's disease** , Volume: 8 Issue: 1 2022 May 24

Authors Sun H,Zhao F,Liu Y,Ma T,Jin H,Quan K,Leng B,Zhao J,Yuan X,Li Z,Li F,Kwok LY,Zhang S,Sun Z,Zhang J,Zhang H

Curcumin Supplementation Ameliorates Bile Cholesterol Supersaturation in Hamsters by Modulating Gut Microbiota and

Cholesterol Absorption.**Nutrients , Volume: 14 Issue: 9 2022 Apr 27**

Authors Hong T,Zou J,Jiang X,Yang J,Cao Z,He Y,Feng D

Pomegranate juice alters the microbiota in breast milk and infant stool: a pilot study.**Food & function , Volume: 13 Issue: 10 2022 May 23**

Authors Henning SM,Yang J,Lee RP,Huang J,Thames G,Korn M,Ben-Nissan D,Heber D,Li Z

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

Bacillus amyloliquefaciens SC06 alleviates the obesity of ob/ob mice and improves their intestinal microbiota and bile acid metabolism.**Food & function , Volume: 13 Issue: 9 2022 May 10**

Authors Zeng Z,Zhou Y,Xu Y,Wang S,Wang B,Zeng Z,Wang Q,Ye X,Jin L,Yue M,Tang L,Zou P,Zhao P,Li W

Lactobacillus casei Improve Anti-Tuberculosis Drugs-Induced Intestinal Adverse Reactions in Rat by Modulating Gut Microbiota and Short-Chain Fatty Acids.**Nutrients , Volume: 14 Issue: 8 2022 Apr 17**

Authors Li Y,Zhao L,Hou M,Gao T,Sun J,Luo H,Wang F,Zhong F,Ma A,Cai J

Dietary Supplementation With Fine-Grinding Wheat Bran Improves Lipid Metabolism and Inflammatory Response via Modulating the Gut Microbiota Structure in Pregnant Sow.**Frontiers in microbiology , Volume: 13 2022**

Authors Wang Z,Chen Y,Wang W,Huang C,Hu Y,Johnston L,Wang F

Detection and isolation of typical gut indigenous bacteria in ICR mice fed wheat bran and wheat straw fibre.**Food chemistry. Molecular sciences , Volume: 4 2022 Jul 30**

Authors Takei N,Kuda T,Handa N,Fujita S,Takahashi H,Kimura B

Effect of Enterococcus faecium NCIMB 10415 on Gut Barrier Function, Internal Redox State, Proinflammatory Response and Pathogen Inhibition Properties in Porcine Intestinal Epithelial Cells.**Nutrients , Volume: 14 Issue: 7 2022 Apr 2**

Authors Palkovicsné Pézsa N,Kovács D,Gálfi P,Rácz B,Farkas O

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

A novel Lactobacillus bulgaricus isolate can maintain the intestinal health, improve the growth performance and reduce the colonization of E. coli O157:H7 in broilers.**British poultry science , Volume: 63 Issue: 5 2022 Oct**

Authors Xiang L,Ying Z,Xue M,Xiaoxian P,Xiaorong L,Chunyang L,Yu W,Mingcheng L,Binxian L

Changes in Gut Microbiota by the Lactobacillus casei Anchoring the K88 Fimbrial Protein Prevented Newborn Piglets From Clinical Diarrhea.**Frontiers in cellular and infection microbiology , Volume: 12 2022**

Authors Qin D,Bai Y,Li Y,Huang Y,Li L,Wang G,Qu Y,Wang J,Yu LY,Hou X

Intestinal Mucosal Immunity-Mediated Modulation of the Gut Microbiome by Oral Delivery of Enterococcus faecium Against Salmonella Enteritidis Pathogenesis in a Laying Hen Model.**Frontiers in immunology , Volume: 13 2022**

Authors Huang S,Rong X,Liu M,Liang Z,Geng Y,Wang X,Zhang J, Ji C,Zhao L, Ma Q

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

Effects of the potential probiotic Bacillus subtilis D1-2 on growth, digestion, immunity and intestinal flora in juvenile sea cucumber, Apostichopus japonicus.**Fish & shellfish immunology , Volume: 124 2022 May**

Authors Wang M,Lv C,Chen Y,Bi X,Yang D,Zhao J

Lactobacillus reuteri CCFM8631 Alleviates Hypercholesterolaemia Caused by the Paigen Atherogenic Diet by Regulating the Gut Microbiota.

Nutrients , Volume: 14 Issue: 6 2022 Mar 17

Authors Wang Q,He Y,Li X,Zhang T,Liang M,Wang G,Zhao J,Zhang H,Chen W

Bacillus subtilis WB800N alleviates diabetic wounds in mice by regulating gut microbiota homeostasis and TLR2.

Journal of applied microbiology , Volume: 133 Issue: 2 2022 Aug

Authors Mi J,Xie C,Zeng L,Zhu Z,Chen N,He Q,Xu X,Xie H,Zhou J,Li L,Liao J

Therapeutic Effects of Bifidobacterium breve YH68 in Combination with Vancomycin and Metronidazole in a Primary Clostridioides difficile-Infected Mouse Model.

Microbiology spectrum , Volume: 10 Issue: 2 2022 Apr 27

Authors Yang J,Meng L,Yang H

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

Berberine ameliorates DSS-induced intestinal mucosal barrier dysfunction through microbiota-dependence and Wnt/ β -catenin pathway.

International journal of biological sciences , Volume: 18 Issue: 4 2022

Authors Dong Y,Fan H,Zhang Z,Jiang F,Li M,Zhou H,Guo W,Zhang Z,Kang Z,Gui Y,Shou Z,Li J,Zhu R,Fu Y,Sarapoltsev A,Wang H,Luo S,Zhang G,Hu D

Different Alterations in Gut Microbiota between Bifidobacterium longum and Fecal Microbiota Transplantation Treatments in Propionic Acid Rat Model of Autism.

Nutrients , Volume: 14 Issue: 3 2022 Jan 30

Authors Abujamel TS,Al-Otaibi NM,Abuaish S,AlHarbi RH,Assas MB,Alzahrani SA,Alotaibi SM,El-Ansary A,Aabed K

Effect of Dietary Bacillus licheniformis Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.

Frontiers in veterinary science , Volume: 9 2022

Authors Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z

Evaluating the effects of a standardized polyphenol mixture extracted from poplar-type propolis on healthy and diseased human gut microbiota.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 148 2022 Apr

Authors Garzarella EU,Navajas-Porras B,Pérez-Burillo S,Ullah H,Esposito C,Santarcangelo C,Hinojosa-Nogueira D,Pastoriza S,Zaccaria V,Xiao J,Rufián-Henares JÁ,Daglia M

Effects of drinking water supplementation with Lactobacillus reuteri, and a mixture of reuterin and microcin J25 on the growth performance, caecal microbiota and selected metabolites of broiler chickens.

Journal of animal science and biotechnology , Volume: 13 Issue: 1 2022 Mar 5

Authors Zhang L,Ben Said L,Hervé N,Zirah S,Diarra MS,Fliss I

Evaluation of a Zingiber officinale and Bixa orellana Supplement on the Gut Microbiota of Male Athletes: A Randomized Placebo-Controlled Trial.

Planta medica , Volume: 88 Issue: 13 2022 Oct

Authors Domínguez-Balmaseda D,Bressa C,Fernández-Romero A,de Lucas B,Pérez-Ruiz M,San Juan AF,Roller M,Issaly N,Larrosa M

Effects of Live Combined Bacillus subtilis and Enterococcus faecium on Gut Microbiota Composition in C57BL/6 Mice and in Humans.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Pi X,Teng W,Fei D,Zhao G,Liu W

Bacillus subtilis inhibits intestinal inflammation and oxidative stress by regulating gut flora and related metabolites in laying hens.

Animal : an international journal of animal bioscience , Volume: 16 Issue: 3 2022 Mar

Authors Zou XY,Zhang M,Tu WJ,Zhang Q,Jin ML,Fang RD,Jiang S

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

Pre-Administration of Berberine Exerts Chemopreventive Effects in AOM/DSS-Induced Colitis-Associated Carcinogenesis Mice via Modulating Inflammation and Intestinal Microbiota.

Nutrients , Volume: 14 Issue: 4 2022 Feb 9

Authors Deng J,Zhao L,Yuan X,Li Y,Shi J,Zhang H,Zhao Y,Han L,Wang H,Yan Y,Zhao H,Wang H,Zou F

Correlation between the regulation of intestinal bacteriophages by green tea polyphenols and the flora diversity in SPF mice.

Food & function , Volume: 13 Issue: 5 2022 Mar 7

Authors Dong S,Xin Z,He W,Zhang Y,Xiong J,Wang J,Liao Z,Wang L,Zhong Q,Wei H,Fang X

Curcumin Alleviates Dextran Sulfate Sodium-Induced Colitis in Mice Through Regulating Gut Microbiota.

Molecular nutrition & food research , Volume: 66 Issue: 8 2022 Apr

Authors Guo X,Xu Y,Geng R,Qiu J,He X

Gallic Acid Alleviates Gut Dysfunction and Boosts Immune and Antioxidant Activities in Puppies Under Environmental Stress Based on Microbiome-Metabolomics Analysis.

Frontiers in immunology , Volume: 12 2021

Authors Yang K,Deng X,Jian S,Zhang M,Wen C,Xin Z,Zhang L,Tong A,Ye S,Liao P,Xiao Z,He S,Zhang F,Deng J,Zhang L,Deng B

Bifidobacterium animalis subsp. lactis BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.

Frontiers in nutrition , Volume: 8 2021

Authors Mao K,Gao J,Wang X,Li X,Geng S,Zhang T,Sadiq FA,Sang Y

Effects of Bacillus amyloliquefaciens TL106 Isolated from Tibetan Pigs on Probiotic Potential and Intestinal Microbes in Weaned Piglets.

Microbiology spectrum , Volume: 10 Issue: 1 2022 Jan 26

Authors Du H,Yao W,Kulyar MF,Ding Y,Zhu H,Pan H,Li K,Bhutta ZA,Liu S,Li J

Bifidobacterium bifidum Shows More Diversified Ways of Relieving Non-Alcoholic Fatty Liver Compared with Bifidobacterium adolescentis.

Biomedicines , Volume: 10 Issue: 1 2021 Dec 31

Authors Wang L,Jiao T,Yu Q,Wang J,Wang L,Wang G,Zhang H,Zhao J,Chen W

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

Curcumin Supplementation (Meriva®) Modulates Inflammation, Lipid Peroxidation and Gut Microbiota Composition in Chronic Kidney Disease.

Nutrients , Volume: 14 Issue: 1 2022 Jan 5

Authors Pivari F,Mingione A,Piazzini G,Ceccarani C,Ottaviano E,Brasacchio C,Dei Cas M,Vischi M,Cozzolino MG,Fogagnolo P,Riva A,Petrangolini G,Barrea L,Di Renzo L,Borghi E,Signorelli P,Paroni R,Soldati L

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

Berberine ameliorates aGVHD by gut microbiota remodelling, TLR4 signalling suppression and colonic barrier repairment for NLRP3 inflammasome inhibition.

Journal of cellular and molecular medicine , Volume: 26 Issue: 4 2022 Feb

Authors Zhao Y,Huang J,Li T,Zhang S,Wen C,Wang L

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

Curcumin β -D-Glucuronide Modulates an Autoimmune Model of Multiple Sclerosis with Altered Gut Microbiota in the Ileum and Feces.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Khadka S,Omura S,Sato F,Nishio K,Takeya H,Tsunoda I

Lactiseibacillus casei Strain T21 Attenuates Clostridioides difficile Infection in a Murine Model Through Reduction of Inflammation and Gut Dysbiosis With Decreased Toxin Lethality and Enhanced Mucin Production.

Frontiers in microbiology , Volume: 12 2021

Authors Panpetch W,Phuengmaung P,Cheibchalard T,Somboonna N,Leelahavanichkul A,Tumwasorn S

Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota

and sociability in alcohol use disorder patients.

Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec

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

Bifidobacterium longum subsp. longum 5^{1A} attenuates intestinal injury against irinotecan-induced mucositis in mice.

Life sciences , Volume: 289 2022 Jan 15

Authors Quintanilha MF,Miranda VC,Souza RO,Gallotti B,Cruz C,Santos EA,Alvarez-Leite JJ,Jesus LCL,Azevedo V,Trindade LM,Cardoso VN,Ferreira E,Carvalho BA,Soares PMG,Vieira AT,Nicoli JR,Martins FS

Effects of Dietary Supplementation With *Bacillus subtilis*, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.

Frontiers in nutrition , Volume: 8 2021

Authors Qiu K,Li CL,Wang J,Qi GH,Gao J,Zhang HJ,Wu SG

The relationship between human milk, a functional nutrient, and microbiota.

Critical reviews in food science and nutrition , 2021 Dec 6

Authors Sakarya E,Sanlier NT,Sanlier N

Fructooligosaccharides Increase in Plasma Concentration of (-)-Epigallocatechin-3-Gallate in Rats.

Journal of agricultural and food chemistry , Volume: 69 Issue: 49 2021 Dec 15

Authors Unno T,Araki Y,Inagaki S,Kobayashi M,Ichitani M,Takahara T,Kinugasa H

Bacillus subtilis Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with *Schistosoma japonicum*.

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

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

Multidimensional exploration of essential oils generated via eight oregano cultivars: Compositions, chemodiversities, and antibacterial capacities.

Food chemistry , Volume: 374 2022 Apr 16

Authors Hao Y,Kang J,Yang R,Li H,Cui H,Bai H,Tsitsilin A,Li J,Shi L

Polydextrose with and without *Bifidobacterium animalis* ssp. *lactis* 420 drives the prevalence of *Akkermansia* and improves liver health in a multi-compartmental obesogenic mice study.

PloS one , Volume: 16 Issue: 12 2021

Authors Yde CC,Jensen HM,Christensen N,Servant F,Lelouvier B,Lahtinen S,Stenman LK,Airaksinen K,Kailanto HM

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

A Pilot Study of the Effect of *Lactobacillus casei* Obtained from Long-Lived Elderly on Blood Biochemical, Oxidative, and Inflammatory Markers, and on Gut Microbiota in Young Volunteers.

Nutrients , Volume: 13 Issue: 11 2021 Oct 29

Authors Mei LH,Zheng WX,Zhao ZT,Meng N,Zhang QR,Zhu WJ,Li RD,Liang XL,Li QY

Lactobacillus casei Zhang exerts probiotic effects to antibiotic-treated rats.

Computational and structural biotechnology journal , Volume: 19 2021

Authors Yao G,Cao C,Zhang M,Kwok LY,Zhang H,Zhang W

Lactobacillus plantarum ZJUFB2 Prevents High Fat Diet-Induced Insulin Resistance in Association With Modulation of the Gut Microbiota.

Frontiers in nutrition , Volume: 8 2021

Authors Zhong H,Wang J,Abdullah,Hafeez MA,Guan R,Feng F

Lactobacillus rhamnosus Strain LRH05 Intervention Ameliorated Body Weight Gain and Adipose Inflammation via Modulating the Gut Microbiota in High-Fat Diet-Induced Obese Mice.

Molecular nutrition & food research , Volume: 66 Issue: 1 2022 Jan

Authors Chen YT,Chiou SY,Hsu AH,Lin YC,Lin JS

Lactobacillus rhamnosus LB1 Alleviates Enterotoxigenic *Escherichia coli*-Induced Adverse Effects in Piglets by Improving Host Immune Response and Anti-Oxidation Stress and Restoring Intestinal Integrity.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Wu T,Shi Y,Zhang Y,Zhang M,Zhang L,Ma Z,Zhao D,Wang L,Yu H,Hou Y,Gong J

Beneficial effect of whole-grain wheat on liver fat: a role for the gut microbiota?

Hepatobiliary surgery and nutrition , Volume: 10 Issue: 5 2021 Oct

Authors Gérard P

[Lactobacillus casei ATCC 393 and it's metabolites alleviate dextran sulphate sodium-induced ulcerative colitis in mice through the NLRP3-\(Caspase-1\)/IL-1 \$\beta\$ pathway.](#)**Food & function , Volume: 12 Issue: 23 2021 Nov 29**

Authors Dou X,Qiao L,Chang J,Yan S,Song X,Chen Y,Xu Q,Xu C

[Antimicrobial, immunological and biochemical effects of florfenicol and garlic \(*Allium sativum*\) on rabbits infected with *Escherichia coli* serotype O55: H7.](#)**Veterinary research communications , 2021 Nov 10**

Authors Farag VM,El-Shafei RA,Elkenany RM,Ali HS,Eladl AH

[Evaluation of the therapeutic effect and dose-effect of *Bifidobacterium breve* on the primary *Clostridioides difficile* infected mice.](#)**Applied microbiology and biotechnology , Volume: 105 Issue: 24 2021 Dec**

Authors Yang J,Yang H

[Berberine inhibits dendritic cells differentiation in DSS-induced colitis by promoting *Bacteroides fragilis*.](#)**International immunopharmacology , Volume: 101 Issue: Pt A 2021 Dec**

Authors Zheng C,Wang Y,Xu Y,Zhou L,Hassan S,Xu G,Zou X,Zhang M

[Dietary supplementation of gingerols- and shogaols-enriched ginger root extract attenuate pain-associated behaviors while modulating gut microbiota and metabolites in rats with spinal nerve ligation.](#)**The Journal of nutritional biochemistry , 2021 Nov 5**

Authors Shen CL,Wang R, Ji G,Elmassry MM,Zabet-Moghaddam M,Vellers H,Hamood AN,Gong X,Mirzaei P,Sang S,Neugebauer V

[Protective Effects of *Bacillus amyloliquefaciens* 40 Against *Clostridium perfringens* Infection in Mice.](#)**Frontiers in nutrition , Volume: 8 2021**

Authors Jiang Z,Li W,Su W,Wen C,Gong T,Zhang Y,Wang Y,Jin M,Lu Z

[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

[*Lactobacillus plantarum* CCFM1143 Alleviates Chronic Diarrhea via Inflammation Regulation and Gut Microbiota Modulation: A Double-Blind, Randomized, Placebo-Controlled Study.](#)**Frontiers in immunology , Volume: 12 2021**

Authors Yang B,Yue Y,Chen Y,Ding M,Li B,Wang L,Wang Q,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

[Cinnamaldehyde Promotes the Intestinal Barrier Functions and Reshapes Gut Microbiome in Early Weaned Rats.](#)**Frontiers in nutrition , Volume: 8 2021**

Authors Qi L,Mao H,Lu X,Shi T,Wang J

[*Bifidobacterium* catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection.](#)**Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec**

Authors Heiss BE,Ehrlich AM,Maldonado-Gomez MX,Taft DH,Larke JA,Goodson ML,Slupsky CM,Tancredi DJ,Raybould HE,Mills DA

[*Ulmus macrocarpa* Hance extract modulates intestinal microbiota in healthy adults: a randomized, placebo-controlled clinical trial.](#)**Journal of microbiology (Seoul, Korea) , Volume: 59 Issue: 12 2021 Dec**

Authors Kim K,Veerappan K,Woo N,Park B,Natarajan S,Chung H,Kim C,Park J

[Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.](#)**Journal of animal science , 2021 Oct 23**

Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

[Alleviation Effects of *Bifidobacterium animalis* subsp. *lactis* XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.](#)**Microorganisms , Volume: 9 Issue: 10 2021 Oct 3**

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

[Supplementation with *Lactiplantibacillus plantarum* IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.](#)**International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16**

Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C

[*Lactobacillus rhamnosus* ProBio-M9 Improves the Quality of Life in Stressed Adults by Gut Microbiota.](#)**Foods (Basel, Switzerland) , Volume: 10 Issue: 10 2021 Oct 8**

Authors Zheng Y,Yu Z,Zhang W,Sun T

Alterations in Faecal Microbiota and Elevated Levels of Intestinal IgA Following Oral Administration of Lactocaseibacillus casei in mice.

Probiotics and antimicrobial proteins , Volume: 15 Issue: 3 2023 Jun

Authors Aindelis G,Ypsilantis P,Chlichlia K

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

Influence of Diet on the Effect of the Probiotic Lactobacillus paracasei in Rats Suffering From Allergic Asthma.

Frontiers in microbiology , Volume: 12 2021

Authors Xie A,Song J,Lu S,Liu Y,Tang L,Wen S

Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.

Microbiology spectrum , 2021 Oct 6

Authors Liu A,Ma T,Xu N,Jin H,Zhao F,Kwok LY,Zhang H,Zhang S,Sun Z

Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.

Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov

Authors Marzorati M, Van den Abbeele P,Bubeck S,Bayne T,Krishnan K,Young 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

Remodelling of gut microbiota by Berberine attenuates trimethylamine N-oxide-induced platelet hyperreaction and thrombus formation.

European journal of pharmacology , Volume: 911 2021 Nov 15

Authors Xie Z,Liu X,Huang X,Liu Q,Yang M,Huang D,Zhao P,Tian J,Wang X,Hou J

Oral iron supplementation after antibiotic exposure induces a deleterious recovery of the gut microbiota.

BMC microbiology , Volume: 21 Issue: 1 2021 Sep 28

Authors Cuisiniere T,Calvé A,Fragoso G,Oliero M,Hajjar R,Gonzalez E,Santos MM

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

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

Bacillus pumilus and Bacillus subtilis Promote Early Maturation of Cecal Microbiota in Broiler Chickens.

Microorganisms , Volume: 9 Issue: 9 2021 Sep 7

Authors Bilal M,Achard C,Barbe F,Chevaux E,Ronholm J,Zhao X

Lactobacillus reuteri FYNJ109L1 Attenuating Metabolic Syndrome in Mice via Gut Microbiota Modulation and Alleviating Inflammation.

Foods (Basel, Switzerland) , Volume: 10 Issue: 9 2021 Sep 2

Authors Yang B,Zheng F,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

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

Selenium-Enriched Lactobacillus acidophilus Ameliorates Dextran Sulfate Sodium-Induced Chronic Colitis in Mice by Regulating Inflammatory Cytokines and Intestinal Microbiota.

Frontiers in medicine , Volume: 8 2021

Authors Wu Z,Pan D,Jiang M,Sang L,Chang B

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

Lactocaseibacillus paracasei NK112 mitigates Escherichia coli-induced depression and cognitive impairment in mice by regulating IL-6 expression and gut microbiota.

Beneficial microbes , 2021 Sep 13

Authors Yun SW, Kim JK, Han MJ, Kim DH

[Curcumin Reduces Adipose Tissue Inflammation and Alters Gut Microbiota in Diet-Induced Obese Male Mice.](#)

Molecular nutrition & food research , Volume: 65 Issue: 22 2021 Nov

Authors Islam T, Koboziev I, Albracht-Schulte K, Mistretta B, Scoggin S, Yosofvand M, Moussa H, Zabet-Moghaddam M, Ramalingam L, Gunaratne PH, Moustaid-Moussa N

[Gut microbiota from green tea polyphenol-dosed mice improves intestinal epithelial homeostasis and ameliorates experimental colitis.](#)

Microbiome , Volume: 9 Issue: 1 2021 Sep 7

Authors Wu Z, Huang S, Li T, Li N, Han D, Zhang B, Xu ZZ, Zhang S, Pang J, Wang S, Zhang G, Zhao J, Wang J

[Effects of Dietary Supplementation of Lactobacillus delbrueckii on Gut Microbiome and Intestinal Morphology in Weaned Piglets.](#)

Frontiers in veterinary science , Volume: 8 2021

Authors Wang XL, Liu ZY, Li YH, Yang LY, Yin J, He JH, Hou DX, Liu YL, Huang XG

[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

[Berberine combined with stachyose improves glycometabolism and gut microbiota through regulating colonic microRNA and gene expression in diabetic rats.](#)

Life sciences , Volume: 284 2021 Nov 1

Authors Li C, Cao H, Huan Y, Ji W, Liu S, Sun S, Liu Q, Lei L, Liu M, Gao X, Fu Y, Li P, Shen Z

[Effects of Bacillus subtilis on jejunal integrity, redox status, and microbial composition of intrauterine growth restriction suckling piglets.](#)

Journal of animal science , Volume: 99 Issue: 10 2021 Oct 1

Authors Yun Y, Ji S, Yu G, Jia P, Niu Y, Zhang H, Zhang X, Wang T, Zhang L

[Lactobacillus paracasei S16 Alleviates Lumbar Disc Herniation by Modulating Inflammation Response and Gut Microbiota.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Wang Z, Wu H, Chen Y, Chen H, Wang X, Yuan W

[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

[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

[A bovine lactoferricin-lactoferrampin-encoding Lactobacillus reuteri C021 regulates the intestinal mucosal immunity and enhances the protection of piglets against enterotoxigenic Escherichia coli K88 challenge.](#)

Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Xie W, Song L, Wang X, Xu Y, Liu Z, Zhao D, Wang S, Fan X, Wang Z, Gao C, Wang X, Wang L, Qiao X, Zhou H, Cui W, Jiang Y, Li Y, Tang L

[Effectiveness and safety of Bifidobacterium and berberine in human hyperglycemia and their regulatory effect on the gut microbiota: a multi-center, double-blind, randomized, parallel-controlled study.](#)

Genome medicine , Volume: 13 Issue: 1 2021 Aug 9

Authors Ming J, Yu X, Xu X, Wang L, Ding C, Wang Z, Xie X, Li S, Yang W, Luo S, He Q, Du Y, Tian Z, Gao X, Ma K, Fang Y, Li C, Zhao J, Wang X, Ji Q

[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

[Effect of the use of probiotic Bacillus subtilis \(QST 713\) as a growth promoter in broilers: an alternative to bacitracin methylene disalicylate.](#)

Poultry science , Volume: 100 Issue: 9 2021 Sep

Authors Rivera-Pérez W, Barquero-Calvo E, Chaves AJ

[Effects of Bacillus subtilis and Bacillus licheniformis on growth performance, immunity, short chain fatty acid production, antioxidant capacity, and cecal microflora in broilers.](#)

Poultry science , Volume: 100 Issue: 9 2021 Jun 26

Authors Xu Y,Yu Y,Shen Y,Li Q,Lan J,Wu Y,Zhang R,Cao G,Yang C

Lactobacillus rhamnosus LRa05 Ameliorate Hyperglycemia through a Regulating Glucagon-Mediated Signaling Pathway and Gut Microbiota in Type 2 Diabetic Mice.

Journal of agricultural and food chemistry , Volume: 69 Issue: 31 2021 Aug 11

Authors Wu T,Zhang Y,Li W,Zhao Y,Long H,Muhindo EM,Liu R,Sui W,Li Q,Zhang M

Assessment of Lactobacillus casei rhamnosus (LGG) therapy in children with biliary atresia - Randomized placebo controlled trial.

Clinics and research in hepatology and gastroenterology , Volume: 45 Issue: 6 2021 Nov

Authors Orlowska E,Czubkowski P,Wolochowska K,Jarzebicka D,Motył I,Socha P

Lactobacillus casei LC89 exerts antidiabetic effects through regulating hepatic glucagon response and gut microbiota in type 2 diabetic mice.

Food & function , Volume: 12 Issue: 18 2021 Sep 20

Authors Zhang Y,Wu T,Li W,Zhao Y,Long H,Liu R,Sui W,Zhang M

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

The construction of recombinant Lactobacillus casei expressing hemagglutinin-neuraminidase protein and its immune response in chickens.

Microbial pathogenesis , Volume: 158 2021 Sep

Authors Ju A,Duan A,Zhang Y,Qin Y,Xue L,Ma X,Luan W,Yang S

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

Promiscuous Pseudomonas: Uptake of Non-Endogenous Ligands for Iron Acquisition.

Tetrahedron letters , Volume: 75 2021 Jul 6

Authors Kaplan AR,Wuest WM

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

Effects of Fermented Milk Containing Lactocaseibacillus paracasei Strain Shiota on Constipation in Patients with Depression: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 13 Issue: 7 2021 Jun 29

Authors Zhang X,Chen S,Zhang M,Ren F,Ren Y,Li Y,Liu N,Zhang Y,Zhang Q,Wang R

Evaluation of the Cholesterol-Lowering Mechanism of Enterococcus faecium Strain 132 and Lactobacillus paracasei Strain 201 in Hypercholesterolemia Rats.

Nutrients , Volume: 13 Issue: 6 2021 Jun 9

Authors Yang L,Xie X,Li Y,Wu L,Fan C,Liang T,Xi Y,Yang S,Li H,Zhang J,Ding Y,Xue L,Chen M,Wang J,Wu Q

Microbiota and Metabolite Modifications after Dietary Exclusion of Dairy Products and Reduced Consumption of Fermented Food in Young and Older Men.

Nutrients , Volume: 13 Issue: 6 2021 Jun 1

Authors Kim J,Burton-Pimentel KJ,Fleuti C,Blaser C,Scherz V,Badertscher R,Marmonier C,Lyon-Belgy N,Caille A,Pidou V,Blot A,Bertelli C,David J,Bütikofer U,Greub G,Dardevet D,Polakof S,Vergères G

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

Imbalanced dietary intake alters the colonic microbial profile in growing rats.

PloS one , Volume: 16 Issue: 6 2021

Authors Jung TH,Han KS

Curcumin modulates gut microbiota and improves renal function in rats with uric acid nephropathy.

Renal failure , Volume: 43 Issue: 1 2021 Dec

Authors Xu X,Wang H,Guo D,Man X,Liu J,Li J,Luo C,Zhang M,Zhen L,Liu X

Effects of *Bacillus amyloliquefaciens* Instead of Antibiotics on Growth Performance, Intestinal Health, and Intestinal Microbiota of Broilers.

Frontiers in veterinary science , Volume: 8 2021

Authors Wang B,Zhou Y,Tang L,Zeng Z,Gong L,Wu Y,Li WF

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

Lactobacillus paracasei modulates the gut microbiota and improves inflammation in type 2 diabetic rats.

Food & function , 2021 Jun 11

Authors Zeng Z,Guo X,Zhang J,Yuan Q,Chen S

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

Lactobacillus casei CCFM1074 Alleviates Collagen-Induced Arthritis in Rats via Balancing Treg/Th17 and Modulating the Metabolites and Gut Microbiota.

Frontiers in immunology , Volume: 12 2021

Authors Fan Z,Ross RP,Stanton C,Hou B,Zhao J,Zhang H,Yang B,Chen W

Modulatory Effects of *Bacillus subtilis* on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying Hens.

Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 24

Authors Zhang G,Wang H,Zhang J,Tang X,Raheem A,Wang M,Lin W,Liang L,Qi Y,Zhu Y,Jia Y,Cui S,Qin T

Effect of BioPlus YC Probiotic Supplementation on Gut Microbiota, Production Performance, Carcass and Meat Quality of Pigs.

Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 28

Authors Rybarczyk A,Bogusławska-Was E,Dłubala A

Effect of *Lactocaseibacillus paracasei* Strain Shiota on Improvement in Depressive Symptoms, and Its Association with Abundance of Actinobacteria in Gut Microbiota.

Microorganisms , Volume: 9 Issue: 5 2021 May 10

Authors Otaka M,Kikuchi-Hayakawa H,Ogura J,Ishikawa H,Yomogida Y,Ota M,Hidese S,Ishida I,Aida M,Matsuda K,Kawai M,Yoshida S,Kunugi H

The Efficacy of Short-Term Weight Loss Programs and Consumption of Natural Probiotic Bryndza Cheese on Gut Microbiota Composition in Women.

Nutrients , Volume: 13 Issue: 6 2021 May 21

Authors Hric I,Ugrayová S,Penesová A,Rádlíková Ž,Kubánová L,Šardčíková S,Baranovicová E,Klucár L,Beke G,Grendar M,Kolisek M,Šoltys K,Bielik V

Preparation and photodynamic bactericidal effects of curcumin- β -cyclodextrin complex.

Food chemistry , Volume: 361 2021 Nov 1

Authors Lai D,Zhou A,Tan BK,Tang Y,Sarah Hamzah S,Zhang Z,Lin S,Hu J

Saccharomyces cerevisiae boulardii CNCM I-1079 supplementation in finishing male pigs helps to cope with heat stress through feeding behaviour and gut microbiota modulation.

The British journal of nutrition , Volume: 127 Issue: 3 2022 Feb 14

Authors Labussière E,Achard C,Dubois S,Combes S,Castex M,Renaudeau D

Different *Bifidobacterium bifidum* strains change the intestinal flora composition of mice via different mechanisms to alleviate loperamide-induced constipation.

Food & function , 2021 May 26

Authors Chai M,Wang L,Li X,Zhao J,Zhang H,Wang G,Chen W

Curcumin alleviates high-fat diet-induced hepatic steatosis and obesity in association with modulation of gut microbiota in mice.

Food research international (Ottawa, Ont.) , Volume: 143 2021 May

Authors Li S,You J,Wang Z,Liu Y,Wang B,Du M,Zou T

A Palmitoylethanolamide Producing *Lactobacillus paracasei* Improves Clostridium difficile Toxin A-Induced Colitis.

Frontiers in pharmacology , Volume: 12 2021

Authors Esposito G,Corpetti C,Pesce M,Seguella L,Annunziata G,Del Re A,Vincenzi M,Lattanzi R,Lu J,Sanseverino W,Sarnelli G

Lactobacillus rhamnosus from human breast milk ameliorates ulcerative colitis in mice via gut microbiota modulation.

Food & function , Volume: 12 Issue: 11 2021 Jun 8

Authors Pang B,Jin H,Liao N,Li J,Jiang C,Shao D,Shi J

Effects of Bacillus Coagulans on growth performance, antioxidant capacity, immunity function, and gut health in broilers.

Poultry science , Volume: 100 Issue: 6 2021 Mar 27

Authors Zhang B,Zhang H,Yu Y,Zhang R,Wu Y,Yue M,Yang C

Effect of Fermented Products Produced by Bacillus licheniformis on the Growth Performance and Cecal Microbial Community of Broilers under Coccidial Challenge.

Animals : an open access journal from MDPI , Volume: 11 Issue: 5 2021 Apr 26

Authors Cheng YH,Horng YB,Chen WJ,Hua KF,Dybus A,Yu YH

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

Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice.

Nutrients , Volume: 13 Issue: 5 2021 Apr 24

Authors Neyrinck AM,Sánchez CR,Rodríguez J,Cani PD,Bindels LB,Delzenne NM

Effects of Bifidobacterium animalis ssp. lactis 420 on gastrointestinal inflammation induced by a non-steroidal anti-inflammatory drug: a randomized, placebo-controlled, double-blind clinical trial.

British journal of clinical pharmacology , 2021 Apr 27

Authors Mäkelä SM,Forssten SD,Kailajärvi M,Langén VL,Scheinin M,Tiihonen K,Ouwehand AC

Gut modulation based anti-diabetic effects of carboxymethylated wheat bran dietary fiber in high-fat diet/streptozotocin-induced diabetic mice and their potential mechanisms.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 152 2021 Jun

Authors Li XX,Zhang XX,Zhang R,Ni ZJ,Elam E,Thakur K,Cespedes-Acuña CL,Zhang JG,Wei ZJ

Preventive Effects of Bacillus licheniformis on Heat Stroke in Rats by Sustaining Intestinal Barrier Function and Modulating Gut Microbiota.

Frontiers in microbiology , Volume: 12 2021

Authors Li L,Wang M,Chen J,Xu Z,Wang S,Xia X,Liu D,Wang S,Xie C,Wu J,Li J,Zhang J,Wang M,Zhu J,Ling C,Xu S

Assessment of the Safety of Lactobacillus casei IMV B-7280 Probiotic Strain on a Mouse Model.

Probiotics and antimicrobial proteins , Volume: 13 Issue: 6 2021 Dec

Authors L M L,L P B,S G G,L O S,O M D,R V B,L M S,M Ya S

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

Berberine attenuates choline-induced atherosclerosis by inhibiting trimethylamine and trimethylamine-N-oxide production via manipulating the gut microbiome.

NPJ biofilms and microbiomes , Volume: 7 Issue: 1 2021 Apr 16

Authors Li X,Su C,Jiang Z,Yang Y,Zhang Y,Yang M,Zhang X,Du Y,Zhang J,Wang L,Jiang J,Hong B

Lactacaseibacillus paracasei PS23 Effectively Modulates Gut Microbiota Composition and Improves Gastrointestinal Function in Aged SAMP8 Mice.

Nutrients , Volume: 13 Issue: 4 2021 Mar 29

Authors Chen LH,Wang MF,Chang CC,Huang SY,Pan CH,Yeh YT,Huang CH,Chan CH,Huang HY

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,Maclean P,McGhie T,Pringle G,Roy NC,Ferguson LR

Bifidobacterium adolescentis Isolated from Different Hosts Modifies the Intestinal Microbiota and Displays Differential Metabolic and Immunomodulatory Properties in Mice Fed a High-Fat Diet.

Nutrients , Volume: 13 Issue: 3 2021 Mar 21

Authors Wang B,Kong Q,Cui S,Li X,Gu Z,Zhao J,Zhang H,Chen W,Wang G

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

[Ginger-separated moxibustion for chronic fatigue syndrome and its effect on intestinal flora].

Zhongguo zhen jiu = Chinese acupuncture & moxibustion , Volume: 41 Issue: 3 2021 Mar 12

Authors Lin YF,Jin XQ,Zhu JF,Chen YD,Sheng JL,He JJ,Jin YY

Lactobacillus acidophilus LA5 improves saturated fat-induced obesity mouse model through the enhanced intestinal Akkermansia muciniphila.

Scientific reports , Volume: 11 Issue: 1 2021 Mar 18

Authors Ondee T,Pongpirul K,Visitchanakun P,Saisorn W,Kanacharoen S,Wongsaroj L,Kullapanich C,Ngamwongsatit N,Settachaimongkon S,Somboonna N,Leelahavanichkul A

Beverages containing Lactobacillus paracasei LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites.

Journal of dairy science , 2021 Mar 10

Authors Sun E,Zhang X,Zhao Y,Li J,Sun J,Mu Z,Wang R

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

Lactobacillus paracasei DTA81, a cholesterol-lowering strain having immunomodulatory activity, reveals gut microbiota regulation capability in BALB/c mice receiving high-fat diet.

Journal of applied microbiology , Volume: 131 Issue: 4 2021 Oct

Authors Tarrah A,Dos Santos Cruz BC,Sousa Dias R,da Silva Duarte V,Pakroo S,Licursi de Oliveira L,Gouveia Peluzio MC,Corich V,Giacomini A,Oliveira de Paula S

Effects of Bacillus pumilus on growth performance, immunological indicators and gut microbiota of mice.

Journal of animal physiology and animal nutrition , Volume: 105 Issue: 4 2021 Jul

Authors Zhang N,Wang L,Wei Y

Gut Microbiota Bacterial Species Associated with Mediterranean Diet-Related Food Groups in a Northern Spanish Population.

Nutrients , Volume: 13 Issue: 2 2021 Feb 16

Authors Rosés C,Cuevas-Sierra A,Quintana S,Riezu-Boj JI,Martínez JA,Milagro FI,Barceló A

Assessment of Antimicrobial Activity of Pomegranate, Cranberry, and Black Chokeberry Extracts against Foodborne Pathogens.

Foods (Basel, Switzerland) , Volume: 10 Issue: 3 2021 Feb 24

Authors Daoutidou M,Plessas S,Alexopoulos A,Mantzourani I

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

Probiotic Bacillus subtilis 29,784 improved weight gain and enhanced gut health status of broilers under necrotic enteritis condition.

Poultry science , Volume: 100 Issue: 4 2021 Apr

Authors Keerqin C,Rhayat L,Zhang ZH,Gharib-Naseri K,Kheravii SK,Devillard E,Crowley TM,Wu SB

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

Long-term and continuous administration of Bacillus subtilis during remission effectively maintains the remission of inflammatory bowel disease by protecting intestinal integrity, regulating epithelial proliferation, and reshaping microbial structure and function.

Food & function , Volume: 12 Issue: 5 2021 Mar 15

Authors Liu Y,Yin F,Huang L,Teng H,Shen T,Qin H

Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.

Frontiers in bioengineering and biotechnology , Volume: 9 2021

Authors Fu J,Wang Y,Tan S,Wang J

The Therapeutic Efficacy of Curcumin vs. Metformin in Modulating the Gut Microbiota in NAFLD Rats: A Comparative Study.

Frontiers in microbiology , Volume: 11 2020

Authors Li R,Yao Y,Gao P,Bu S

Effects of dietary oregano essential oil supplementation on growth performance, intestinal antioxidative capacity, immunity, and intestinal microbiota in yellow-feathered chickens.

Journal of animal science , Volume: 99 Issue: 2 2021 Feb 1

Authors Ruan D,Fan Q,Fouad AM,Sun Y,Huang S,Wu A,Lin C,Kuang Z,Zhang C,Jiang S

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,Rodriguez J,Zhang Z,Seethaler B,Sánchez CR,Roumain M,Hiel S,Bindels LB,Cani PD,Paquot N,Cnop M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM

Dietary Supplementation With *Bacillus subtilis* Promotes Growth and Gut Health of Weaned Piglets.

Frontiers in veterinary science , Volume: 7 2020

Authors Tian Z,Wang X,Duan Y,Zhao Y,Zhang W,Azad MAK,Wang Z,Blachier F,Kong X

Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With *Bacillus subtilis*-Fermented Milk via Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.

Frontiers in microbiology , Volume: 11 2020

Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R

Bacillus subtilis-fermented products ameliorate the growth performance and alter cecal microbiota community in broilers under lipopolysaccharide challenge.

Poultry science , Volume: 100 Issue: 2 2021 Feb

Authors Chen JY,Yu YH

Effects of novel probiotic strains of *Bacillus pumilus* and *Bacillus subtilis* on production, gut health, and immunity of broiler chickens raised under suboptimal conditions.

Poultry science , Volume: 100 Issue: 3 2021 Mar

Authors Bilal M,Si W,Barbe F,Chevaux E,Sienkiewicz O,Zhao X

Bifidobacterium pseudocatenulatum Ameliorates DSS-Induced Colitis by Maintaining Intestinal Mechanical Barrier, Blocking Proinflammatory Cytokines, Inhibiting TLR4/NF- κ B Signaling, and Altering Gut Microbiota.

Journal of agricultural and food chemistry , Volume: 69 Issue: 5 2021 Feb 10

Authors Chen Y,Yang B,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

Potential mechanisms underlying the ameliorative effect of *Lactobacillus paracasei* FZU103 on the lipid metabolism in hyperlipidemic mice fed a high-fat diet.

Food research international (Ottawa, Ont.) , Volume: 139 2021 Jan

Authors Lv XC,Chen M,Huang ZR,Guo WL,Ai LZ,Bai WD,Yu XD,Liu YL,Rao PF,Ni L

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

Oregano essential oil improves piglet health and performance through maternal feeding and is associated with changes in the gut microbiota.

Animal microbiome , Volume: 3 Issue: 1 2021 Jan 4

Authors Hall HN,Wilkinson DJ,Le Bon M

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

Berberine ameliorates ovariectomy-induced anxiety-like behaviors by enrichment in equol generating gut microbiota.

Pharmacological research , Volume: 165 2021 Mar

Authors Fang Y,Zhang J,Zhu S,He M,Ma S,Jia Q,Sun Q,Song L,Wang Y,Duan L

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

Long-term diet quality is associated with gut microbiome diversity and composition among urban Chinese adults.

The American journal of clinical nutrition , Volume: 113 Issue: 3 2021 Mar 11

Authors Yu D,Nguyễn SM,Yang Y,Xu W,Cai H,Wu J,Cai Q,Long J,Zheng W,Shu XO

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

Berberine alters gut microbial function through modulation of bile acids.

BMC microbiology , Volume: 21 Issue: 1 2021 Jan 11

Authors Wolf PG,Devendran S,Doden HL,Ly LK,Moore T,Takei H,Nittono H,Murai T,Kurosawa T,Chlipala GE,Green SJ,Kakiyama G,Kashyap P,McCracken VJ,Gaskins HR,Gillevet PM,Ridlon JM

Dietary Inulin Supplementation Modulates Short-Chain Fatty Acid Levels and Cecum Microbiota Composition and Function in Chickens Infected With Salmonella.

Frontiers in microbiology , Volume: 11 2020

Authors Song J,Li Q,Everaert N,Liu R,Zheng M,Zhao G,Wen J

The Effect of Xylooligosaccharide, Xylan, and Whole Wheat Bran on the Human Gut Bacteria.

Frontiers in microbiology , Volume: 11 2020

Authors Chen M,Liu S,Imam KMSU,Sun L,Wang Y,Gu T,Wen B,Xin F

Combined Lycium barbarum polysaccharides and C-phycocyanin increase gastric Bifidobacterium relative abundance and protect against gastric ulcer caused by aspirin in rats.

Nutrition & metabolism , Volume: 18 Issue: 1 2021 Jan 6

Authors Hsieh SY,Lian YZ,Lin IH,Yang YC,Tinkov AA,Skalny AV,Chao JC

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

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

Effect of Bifidobacterium animalis subsp. lactis MN-Gup on constipation and the composition of gut microbiota.

Beneficial microbes , 2020 Dec 14

Authors Wang R,Sun J,Li G,Zhang M,Niu T,Kang X,Zhao H,Chen J,Sun E,Li Y

Probiotic Lactobacillus fermentum strain JDFM216 improves cognitive behavior and modulates immune response with gut microbiota.

Scientific reports , Volume: 10 Issue: 1 2020 Dec 10

Authors Park MR,Shin M,Mun D,Jeong SY,Jeong DY,Song M,Ko G,Unno T,Kim Y,Oh S

Cow, Goat, and Mare Milk Diets Differentially Modulated the Immune System and Gut Microbiota of Mice Colonized by Healthy Infant Feces.

Journal of agricultural and food chemistry , Volume: 68 Issue: 51 2020 Dec 23

Authors Li N,Xie Q,Chen Q,Evivie SE,Liu D,Dong J,Huo G,Li B

Administration of Saccharomyces boulardii mafic-1701 improves feed conversion ratio, promotes antioxidant capacity, alleviates intestinal inflammation and modulates gut microbiota in weaned piglets.

Journal of animal science and biotechnology , Volume: 11 Issue: 1 2020 Dec 4

Authors Zhang W,Bao C,Wang J,Zang J,Cao Y

Bacillus amyloliquefaciens TL106 protects mice against enterohaemorrhagic Escherichia coli O157:H7-induced intestinal disease through improving immune response, intestinal barrier function and gut microbiota.

Journal of applied microbiology , Volume: 131 Issue: 1 2021 Jul

Authors Bao CL,Liu SZ,Shang ZD,Liu YJ,Wang J,Zhang WX,Dong B,Cao YH

Lycium barbarum polysaccharide attenuates myocardial injury in high-fat diet-fed mice through manipulating the gut microbiome and fecal metabolome.

Food research international (Ottawa, Ont.) , Volume: 138 Issue: Pt B 2020 Dec

Authors Zhang Z,Liu H,Yu B,Tao H,Li J,Wu Z,Liu G,Yuan C,Guo L,Cui B

Green tea leaf powder prevents dyslipidemia in high-fat diet-fed mice by modulating gut microbiota.

Food & nutrition research , Volume: 64 2020

Authors Wang J,Li P,Liu S,Zhang B,Hu Y,Ma H,Wang S

Modulation of gut microbiota and intestinal barrier function during alleviation of antibiotic-associated diarrhea with Rhizoma Zingiber officinale (Ginger) extract.

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

Authors Ma ZJ,Wang HJ, Ma XJ, Li Y, Yang HJ, Li H, Su JR, Zhang CE, Huang LQ

Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.

European journal of nutrition , 2020 Nov 22

Authors Xu H, Ma C, Zhao F, Chen P, Liu Y, Sun Z, Cui L, Kwok LY, Zhang H

Lactobacillus plantarum relieves diarrhea caused by enterotoxin-producing Escherichia coli through inflammation modulation and gut microbiota regulation.

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

Authors Yue Y, He Z, Zhou Y, Ross RP, Stanton C, Zhao J, Zhang H, Yang B, Chen W

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

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, Iftekhar 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

Curcumin inhibits lipopolysaccharide and lipoteichoic acid-induced expression of proinflammatory cytokines and production of PGE(2) in the primary bubaline endometrial stromal cells.

Molecular biology reports , Volume: 47 Issue: 12 2020 Dec

Authors Ali A, Dar RR, Ahmad SF, Singh SK, Patra MK, Panigrahi M, Kumar H, Krishnaswamy N

The Effect of Bacillus licheniformis-Fermented Products and Postpartum Dysgalactia Syndrome on Litter Performance Traits, Milk Composition, and Fecal Microbiota in Sows.

Animals : an open access journal from MDPI , Volume: 10 Issue: 11 2020 Nov 5

Authors Yu YH, Hsu TY, Chen WJ, Horng YB, Cheng YH

[Influence of Lactobacillus reuteri SL001 on intestinal microbiota in AD model mice and C57BL/6 mice].

Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 36 Issue: 9 2020 Sep 25

Authors Liu M, Hu R, Guo Y, Sun W, Li J, Fan M, Wang Y, Du H, Tang Z, Chai C

Daily intake of probiotic strain Bacillus subtilis DE111 supports a healthy microbiome in children attending day-care.

Beneficial microbes , Volume: 11 Issue: 7 2020 Nov 15

Authors Paytuí-Gallart A, Sanseverino W, Winger AM

Black garlic melanoidins prevent obesity, reduce serum LPS levels and modulate the gut microbiota composition in high-fat diet-induced obese C57BL/6J mice.

Food & function , Volume: 11 Issue: 11 2020 Nov 18

Authors Wu J, Liu Y, Dou Z, Wu T, Liu R, Sui W, Jin Y, Zhang M

Enterococcus faecium R0026 combined with Bacillus subtilis R0179 prevent obesity-associated hyperlipidaemia and

modulate gut microbiota in C57BL/6 mice.

Journal of microbiology and biotechnology , 2020 Oct 20

Authors Huang J,Huang J,Yin T,Lv H,Zhang P,Li H

Anti-inflammatory Bifidobacterium strains prevent dextran sodium sulfate induced colitis and associated gut microbial dysbiosis in mice.

Scientific reports , Volume: 10 Issue: 1 2020 Oct 29

Authors Singh S,Bhatia R,Khare P,Sharma S,Rajarammohan S,Bishnoi M,Bhadada SK,Sharma SS,Kaur J,Kondepudi KK

Assessing the Effects of Ginger Extract on Polyphenol Profiles and the Subsequent Impact on the Fecal Microbiota by Simulating Digestion and Fermentation In Vitro.

Nutrients , Volume: 12 Issue: 10 2020 Oct 19

Authors Wang J,Chen Y,Hu X,Feng F,Cai L,Chen F

The in vitro Effects of the Probiotic Strain, Lactobacillus casei ZX633 on Gut Microbiota Composition in Infants With Diarrhea.

Frontiers in cellular and infection microbiology , Volume: 10 2020

Authors Wang X,Zhang M,Wang W,Lv H,Zhang H,Liu Y,Tan Z

A Holistic View of Berberine Inhibiting Intestinal Carcinogenesis in Conventional Mice Based on Microbiome-Metabolomics Analysis.

Frontiers in immunology , Volume: 11 2020

Authors Chen H,Zhang F,Zhang J,Zhang X,Guo Y,Yao Q

Lactobacillus delbrueckii subsp. bulgaricus KLDS 1.0207 Exerts Antimicrobial and Cytotoxic Effects in vitro and Improves Blood Biochemical Parameters in vivo Against Notable Foodborne Pathogens.

Frontiers in microbiology , Volume: 11 2020

Authors Evvie SE,Abdelazez A,Li B,Lu S,Liu F,Huo G

Distinct Effects of Milks From Various Animal Types on Infant Fecal Microbiota Through in vitro Fermentations.

Frontiers in microbiology , Volume: 11 2020

Authors Li N,Li B,Guan J,Shi J,Evvie SE,Zhao L,Huo G,Wang S

Oat bran and wheat bran impact net energy by shaping microbial communities and fermentation products in pigs fed diets with or without xylanase.

Journal of animal science and biotechnology , Volume: 11 2020

Authors Lyu Z,Wang L,Wang J,Wang Z,Zhang S,Wang J,Cheng J,Lai C

Dietary Epigallocatechin-3-Gallate Alters the Gut Microbiota of Obese Diabetic db/db Mice: Lactobacillus Is a Putative Target.

Journal of medicinal food , Volume: 23 Issue: 10 2020 Oct

Authors Park JM,Shin Y,Kim SH,Jin M,Choi JJ

Bacillus subtilis and Enterococcus faecium co-fermented feed regulates lactating sow's performance, immune status and gut microbiota.

Microbial biotechnology , Volume: 14 Issue: 2 2021 Mar

Authors Wang C,Wei S,Xu B,Hao L,Su W,Jin M,Wang Y

Effect of Combined Live Probiotics Alleviating the Gastrointestinal Symptoms of Functional Bowel Disorders.

Gastroenterology research and practice , Volume: 2020 2020

Authors Shi J,Gao F,Zhang J

Dietary supplementation of Bacillus subtilis PB6 improves sow reproductive performance and reduces piglet birth intervals.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 6 Issue: 3 2020 Sep

Authors Zhang Q,Li J,Cao M,Li Y,Zhuo Y,Fang Z,Che L,Xu S,Feng B,Lin Y,Jiang X,Zhao X,Wu D

Bifidobacterium bifidum TMC3115 ameliorates milk protein allergy in by affecting gut microbiota: A randomized double-blind control trial.

Journal of food biochemistry , Volume: 44 Issue: 11 2020 Nov

Authors Jing W,Liu Q,Wang W

The Influence of Essential Oils on Gut Microbial Profiles in Pigs.

Animals : an open access journal from MDPI , Volume: 10 Issue: 10 2020 Sep 24

Authors Ruzauskas M,Bartkiene E,Stankevicius A,Bernatoniene J,Zadeike D,Lele V,Starkute V,Zavistanaviciute P,Grigas J,Zokaityte E,Pautienius A,Juodeikiene G,Jakstas V

Does Curcumin Have a Role in the Interaction between Gut Microbiota and Schistosoma mansoni in Mice?

Pathogens (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 19

Authors Anter A,El-Ghany MA,Abou El Dahab M,Mahana N

Effects of Brazilian green propolis extract on planktonic cells and biofilms of multidrug-resistant strains of Klebsiella pneumoniae and Pseudomonas aeruginosa.

Biofouling , Volume: 36 Issue: 7 2020 Aug

Authors Santos PBDRED,Ávila DDS,Ramos LP,Yu AR,Santos CEDR,Berretta AA,Camargo SEA,Oliveira JR,Oliveira LD

Relative abundance of the Prevotella genus within the human gut microbiota of elderly volunteers determines the inter-

[individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.](#)

BMC microbiology , Volume: 20 Issue: 1 2020 Sep 14

Authors Chung WSF,Walker AW,Bosscher D,Garcia-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ

[Osteoprotective effect of green tea polyphenols and annatto-extracted tocotrienol in obese mice is associated with enhanced microbiome vitamin K\(2\) biosynthetic pathways.](#)

The Journal of nutritional biochemistry , Volume: 86 2020 Dec

Authors Elmassry MM,Chung E,Cao JJ,Hamood AN,Shen CL

[Effect of Alliaceae Extract Supplementation on Performance and Intestinal Microbiota of Growing-Finishing Pig](#)

Animals : an open access journal from MDPI , Volume: 10 Issue: 9 2020 Sep 2

Authors Sánchez CJ,Martínez-Miró S,Ariza JJ,Madrid J,Orengo J,Aguinaga MA,Baños A,Hernández F

[Antibacterial Activity and Mechanism of Ginger Essential Oil against Escherichia coli and Staphylococcus aureus.](#)

Molecules (Basel, Switzerland) , Volume: 25 Issue: 17 2020 Aug 30

Authors Wang X,Shen Y,Thakur K,Han J,Zhang JG,Hu F,Wei ZJ

[The effects of dairy and dairy derivatives on the gut microbiota: a systematic literature review.](#)

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

Authors Aslam H,Marx W,Rocks T,Loughman A,Chandrasekaran V,Ruusunen A,Dawson SL,West M,Mullarkey E,Pasco JA,Jacka FN

[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

[Reciprocal Interactions between Epigallocatechin-3-gallate \(EGCG\) and Human Gut Microbiota In Vitro.](#)

Journal of agricultural and food chemistry , Volume: 68 Issue: 36 2020 Sep 9

Authors Liu Z,de Bruijn WJC,Bruins ME,Vincken JP

[Impacts of Habitual Diets Intake on Gut Microbial Counts in Healthy Japanese Adults.](#)

Nutrients , Volume: 12 Issue: 8 2020 Aug 12

Authors Sugimoto T,Shima T,Amamoto R,Kaga C,Kado Y,Watanabe O,Shiinoki J,Iwazaki K,Shigemura H,Tsuji H,Matsumoto S

[Modulation of gut microbiota mediates berberine-induced expansion of immuno-suppressive cells to against alcoholic liver disease.](#)

Clinical and translational medicine , Volume: 10 Issue: 4 2020 Aug

Authors Li S,Wang N,Tan HY,Chueng F,Zhang ZJ,Yuen MF,Feng Y

[Combined Use of Bacillus subtilis yb-114,246 and Bacillus licheniformis yb-214,245 Improves Body Growth Performance of Chinese Huainan Partridge Shank Chickens by Enhancing Intestinal Digestive Profiles.](#)

Probiotics and antimicrobial proteins , Volume: 13 Issue: 2 2021 Apr

Authors Yang J,Huang K,Wang J,Wu D,Liu Z,Yu P,Wei Z,Chen F

[Lactobacillus plantarum PS128 Improves Physiological Adaptation and Performance in Triathletes through Gut Microbiota Modulation.](#)

Nutrients , Volume: 12 Issue: 8 2020 Aug 1

Authors Huang WC,Pan CH,Wei CC,Huang HY

[Impact of Heat-Killed Lactobacillus casei Strain IMAU60214 on the Immune Function of Macrophages in Malnourished Children.](#)

Nutrients , Volume: 12 Issue: 8 2020 Jul 31

Authors Rocha-Ramírez LM,Hernández-Ochoa B,Gómez-Manzo S,Marcial-Quino J,Cárdenas-Rodríguez N,Centeno-Leija S,García-Garibay M

[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

[Effect of High versus Low Dairy Consumption on the Gut Microbiome: Results of a Randomized, Cross-Over Study.](#)

Nutrients , Volume: 12 Issue: 7 2020 Jul 17

Authors Swarte JC,Eelderink C,Douwes RM,Said MY,Hu S,Post A,Westerhuis R,Bakker SJL,Harmsen HJM

[Curcumin, a Natural Antimicrobial Agent with Strain-Specific Activity.](#)

Pharmaceuticals (Basel, Switzerland) , Volume: 13 Issue: 7 2020 Jul 16

Authors Adamczak A,Ozarowski M,Karpinski TM

[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

[Enterococcus faecium Modulates the Gut Microbiota of Broilers and Enhances Phosphorus Absorption and Utilization.](#)

Animals : an open access journal from MDPI , Volume: 10 Issue: 7 2020 Jul 20

Authors Wang W,Cai H,Zhang A,Chen Z,Chang W,Liu G,Deng X,Bryden WL,Zheng A

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

Early supplementation of *Saccharomyces cerevisiae* boulardii CNCM I-1079 in newborn dairy calves increases IgA production in the intestine at 1 week of age.

Journal of dairy science , Volume: 103 Issue: 9 2020 Sep

Authors Villot C,Chen Y,Pedgerachny K,Chaucheyras-Durand F,Chevaux E,Skidmore A,Guan LL,Steele MA

Effects of banana powder (*Musa acuminata* Colla) on the composition of human fecal microbiota and metabolic output using in vitro fermentation.

Journal of food science , Volume: 85 Issue: 8 2020 Aug

Authors Tian DD,Xu XQ,Peng Q,Zhang YW,Zhang PB,Qiao Y,Shi B

Effect of banana pulp dietary fibers on metabolic syndrome and gut microbiota diversity in high-fat diet mice.

Journal of food biochemistry , 2020 Jul 14

Authors Wei G,Ye Y,Yan X,Chao X,Yang F,Wang M,Zhang W,Yuan C,Zeng Q

Anti-Obesity Effect of *Lactobacillus plantarum* LB818 Is Associated with Regulation of Gut Microbiota in High-Fat Diet-Fed Obese Mice.

Journal of medicinal food , Volume: 23 Issue: 7 2020 Jul

Authors Hussain A,Kwon MH,Kim HK,Lee HS,Cho JS,Lee YI

Dietary supplementation with *Bacillus subtilis* DSM 32315 alters the intestinal microbiota and metabolites in weaned piglets.

Journal of applied microbiology , 2020 Jul 6

Authors Ding H,Zhao X,Ma C,Gao Q,Yin Y,Kong X,He J

Green Tea Encourages Growth of *Akkermansia muciniphila*.

Journal of medicinal food , 2020 Jun 25

Authors Jeong HW,Kim JK,Kim AY,Cho D,Lee JH,Choi JK,Park M,Kim W

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

Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.

International journal of molecular sciences , Volume: 21 Issue: 11 2020 Jun 10

Authors Spisni E,Petrocelli G,Imbesi V,Spigarelli R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC

Thymus vulgaris L. Essential Oil Solid Formulation: Chemical Profile and Spasmodic and Antimicrobial Effects.

Biomolecules , Volume: 10 Issue: 6 2020 Jun 4

Authors Micucci M,Protti M,Aldini R,Frosini M,Corazza I,Marzetti C,Mattioli LB,Tocci G,Chiarini A,Mercolini L,Budriesi R

Oral Supplements of Combined *Bacillus licheniformis* Zhengchangsheng® and Xylooligosaccharides Improve High-Fat Diet-Induced Obesity and Modulate the Gut Microbiota in Rats.

BioMed research international , Volume: 2020 2020

Authors Li Y,Liu M,Liu H,Wei X,Su X,Li M,Yuan J

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

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

Effect of long-term consumption of tea (*Camellia sinensis* L.) flower polysaccharides on maintaining intestinal health in BALB/c mice.

Journal of food science , Volume: 85 Issue: 6 2020 Jun

Authors Chen D,Ding Y,Ye H,Sun Y,Zeng X

Unsaturated alginate oligosaccharides attenuated obesity-related metabolic abnormalities by modulating gut microbiota in high-fat-diet mice.

Food & function , Volume: 11 Issue: 5 2020 May 1

Authors Li S ,Wang L ,Liu B ,He N

Chemical Composition and Antioxidant, Antimicrobial, and Antiproliferative Activities of Cinnamomum zeylanicum Bark Essential Oil.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2020 2020

Authors Alizadeh Behbahani B,Falah F,Lavi Arab F,Vasiee M,Tabatabaee Yazdi F

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

[Discussion on the curative effect and mechanisms of berberine in rats with non-alcoholic fatty liver].

Zhonghua gan zang bing za zhi = Zhonghua ganzangbing zazhi = Chinese journal of hepatology , Volume: 28 Issue: 4 2020 Apr 20

Authors Li DH,Liu YT,Hao SR,Zheng JM,Hou HT,Wang YZ

Green tea polyphenols boost gut-microbiota-dependent mitochondrial TCA and urea cycles in Sprague-Dawley rats.

The Journal of nutritional biochemistry , Volume: 81 2020 Jul

Authors Zhou J,Tang L,Shen CL,Wang JS

The Protective Effects of 2'-Fucosyllactose against E. Coli O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.

Nutrients , Volume: 12 Issue: 5 2020 May 1

Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S

Efficacy of green tea and its extract, epigallocatechin-3-gallate, in the reduction of cariogenic microbiota in children: a randomized clinical trial.

Archives of oral biology , Volume: 114 2020 Jun

Authors Vilela MM,Salvador SL,Teixeira IGL,Del Arco MCG,De Rossi A

Alleviation effects of Bifidobacterium breve on DSS-induced colitis depends on intestinal tract barrier maintenance and gut microbiota modulation.

European journal of nutrition , 2020 Apr 29

Authors Chen Y,Jin Y,Stanton C,Paul Ross R,Zhao J,Zhang H,Yang B,Chen W

In-vitro antibacterial effect of tea polyphenols combined with common antibiotics on multidrug-resistant Klebsiella pneumoniae.

Minerva medica , Volume: 111 Issue: 6 2020 Dec

Authors Zhang N,Liu W,Qian K

Preventive Effects of Kaempferol on High-Fat Diet-Induced Obesity Complications in C57BL/6 Mice.

BioMed research international , Volume: 2020 2020

Authors Wang T,Wu Q,Zhao T

Lactobacillus plantarum NA136 ameliorates nonalcoholic fatty liver disease by modulating gut microbiota, improving intestinal barrier integrity, and attenuating inflammation.

Applied microbiology and biotechnology , Volume: 104 Issue: 12 2020 Jun

Authors Zhao Z,Chen L,Zhao Y,Wang C,Duan C,Yang G,Niu C,Li S

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

Phytochemical Study and Antibacterial and Antibiotic Modulation Activity of Punica granatum (Pomegranate) Leaves.

Scientifica , Volume: 2020 2020

Authors Trabelsi A,El Kaibi MA,Abbassi A,Horchani A,Chekir-Ghedira L,Ghedira K

Lactobacillus reuteri attenuated allergic inflammation induced by HDM in the mouse and modulated gut microbes.

PloS one , Volume: 15 Issue: 4 2020

Authors Li L,Fang Z,Liu X,Hu W,Lu W,Lee YK,Zhao J,Zhang H,Chen W

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

Chinese Propolis Prevents Obesity and Metabolism Syndromes Induced by a High Fat Diet and Accompanied by an Altered Gut Microbiota Structure in Mice.

Nutrients , Volume: 12 Issue: 4 2020 Mar 30

Authors Zheng Y,Wu Y,Tao L,Chen X,Jones TJ,Wang K,Hu F

Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE^{-/-} Mice.

Frontiers in pharmacology , Volume: 11 2020

Authors Wu M,Yang S,Wang S,Cao Y,Zhao R,Li X,Xing Y,Liu L

Bifidobacterium animalis subsp. *lactis* 420 for Metabolic Health: Review of the Research.

Nutrients , Volume: 12 Issue: 4 2020 Mar 25

Authors Uusitupa HM,Rasinkangas P,Lehtinen MJ,Mäkelä SM,Airaksinen K,Angenius H,Ouwehand AC,Maukonen J

Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.

The British journal of nutrition , Volume: 124 Issue: 3 2020 Aug 14

Authors Wang W,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H,He J

Identification of essential oils with activity against stationary phase *Staphylococcus aureus*.

BMC complementary medicine and therapies , Volume: 20 Issue: 1 2020 Mar 24

Authors Xiao S,Cui P,Shi W,Zhang Y

Ethanol extract of propolis prevents high-fat diet-induced insulin resistance and obesity in association with modulation of gut microbiota in mice.

Food research international (Ottawa, Ont.) , Volume: 130 2020 Apr

Authors Cai W,Xu J,Li G,Liu T,Guo X,Wang H,Luo L

Herbal formula improves upper and lower gastrointestinal symptoms and gut health in Australian adults with digestive disorders.

Nutrition research (New York, N.Y.) , Volume: 76 2020 Apr

Authors Ried K,Travica N,Dorairaj R,Sali A

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.

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

Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B

Stable Colonization of Orally Administered *Lactobacillus casei* SY13 Alters the Gut Microbiota.

BioMed research international , Volume: 2020 2020

Authors Yue Y,Xu X,Yang B,Lu J,Zhang S,Liu L,Nassar K,Zhang C,Zhang M,Pang X,Lv J

Effects of whole-grain wheat, rye, and lignan supplementation on cardiometabolic risk factors in men with metabolic syndrome: a randomized crossover trial.

The American journal of clinical nutrition , Volume: 111 Issue: 4 2020 Apr 1

Authors Eriksen AK,Brunius C,Mazidi M,Hellström PM,Risérus U,Iversen KN,Fristedt R,Sun L,Huang Y,Nørskov NP,Knudsen KEB,Kyrø C,Olsen A,Tjønnelund A,Dicksved J,Landberg R

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

Veterinary world , Volume: 12 Issue: 12 2019 Dec

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

Short-Term Fermented Soybeans with *Bacillus amyloliquefaciens* Potentiated Insulin Secretion Capacity and Improved Gut Microbiome Diversity and Intestinal Integrity To Alleviate Asian Type 2 Diabetic Symptoms.

Journal of agricultural and food chemistry , Volume: 68 Issue: 46 2020 Nov 18

Authors Jeong DY,Daily JW,Lee GH,Ryu MS,Yang HJ,Jeong SY,Qiu JY,Zhang T,Park S

Effect of berberine on spleen transcriptome and gut microbiota composition in experimental autoimmune uveitis.

International immunopharmacology , Volume: 81 2020 Apr

Authors Du Z,Wang Q,Huang X,Yi S,Mei S,Yuan G,Su G,Cao Q,Zhou C,Wang Y,Kijlstra A,Yang P

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

Milk fat influences proteolytic enzyme activity of dairy *Pseudomonas* species.

International journal of food microbiology , Volume: 320 2020 Jan 28

Authors Zhang D,Palmer J,Teh KH,Calinisan MMA,Flint S

Effect of wheat bran derived prebiotic supplementation on gastrointestinal transit, gut microbiota, and metabolic health: a randomized controlled trial in healthy adults with a slow gut transit.

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

Authors Müller M,Hermes GDA,Emanuel E C,Holst JJ,Zoetendal EG,Smidt H,Troost F,Schaap FG,Damink SO,Jocken JWE,Lenaerts K,Masclée AAM,Blaak EE

Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome.

Beneficial microbes , Volume: 10 Issue: 8 2019 Dec 9

Authors Nealon NJ,Parker KD,Lahaie P,Ibrahim H,Maurya AK,Raina K,Ryan EP

Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.

Nutrients , Volume: 12 Issue: 1 2020 Jan 17

Authors Aljahdali N,Gadonna-Widehem P,Anton PM,Carbonero F

In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.

Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb

Authors Henrique-Bana FC,Wang X,Costa GN,Spinosa WA,Miglioranza LHS,Scorletti E,Calder PC,Byrne CD,Gibson GR

Camellia sinensis and Litsea coreana Ameliorate Intestinal Inflammation and Modulate Gut Microbiota in Dextran Sulfate Sodium-Induced Colitis Mice.

Molecular nutrition & food research , Volume: 64 Issue: 6 2020 Mar

Authors Liu Y,Wang X,Chen Q,Luo L,Ma M,Xiao B,Zeng L

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.

Gut microbes , 2020 Jan 13

Authors Boling L,Cuevas DA,Grasis JA,Kang HS,Knowles B,Levi K,Maughan H,McNair K,Rojas MI,Sanchez SE,Smurthwaite C,Rohwer F

Lactobacillus casei ATCC 393 alleviates Enterotoxigenic Escherichia coli K88-induced intestinal barrier dysfunction via TLRs/mast cells pathway.

Life sciences , Volume: 244 2020 Mar 1

Authors Xu C,Yan S,Guo Y,Qiao L,Ma L,Dou X,Zhang B

In vitro digestion and human gut microbiota fermentation of longan pulp polysaccharides as affected by Lactobacillus fermentum fermentation.

International journal of biological macromolecules , Volume: 147 2020 Mar 15

Authors Huang F,Hong R,Yi Y,Bai Y,Dong L,Jia X,Zhang R,Wang G,Zhang M,Wu J

Food for thought about manipulating gut bacteria.

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM,Bindels LB

Lactobacillus rhamnosus from human breast milk shows therapeutic function against foodborne infection by multi-drug resistant Escherichia coli in mice.

Food & function , Volume: 11 Issue: 1 2020 Jan 29

Authors Li N,Pang B,Liu G,Zhao X,Xu X,Jiang C,Yang B,Liu Y,Shi J

Dietary *Saccharomyces cerevisiae* boulardii CNCM I-1079 Positively Affects Performance and Intestinal Ecosystem in Broilers during a *Campylobacter jejuni* Infection.

Microorganisms , Volume: 7 Issue: 12 2019 Nov 21

Authors Massacci FR,Lovito C,Tofani S,Tentellini M,Genovese DA,De Leo AAP,Papa P,Magistrali CF,Manuali E,Trabalza-Marinucci M,Moscato L,Forte C

Apple polysaccharide could promote the growth of Bifidobacterium longum.

International journal of biological macromolecules , Volume: 152 2020 Jun 1

Authors Li Y,Wang S,Sun Y,Zheng H,Tang Y,Gao X,Song C,Liu J,Long Y,Liu L,Mei Q

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

Japanese Diet Score Is Associated with Gut Microbiota Composition in Young Japanese Adults.

Journal of nutritional science and vitaminology , Volume: 65 Issue: 5 2019

Authors Seura T,Fukuwatari T

Curcumin: A natural derivative with antibacterial activity against *Clostridium difficile*.

Journal of global antimicrobial resistance , Volume: 21 2020 Jun

Authors Mody D,Athamneh AIM,Seleem MN

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

Administration of *Lactobacillus fermentum* KBL375 Causes Taxonomic and Functional Changes in Gut Microbiota Leading to Improvement of Atopic Dermatitis.

Frontiers in molecular biosciences , Volume: 6 2019

Authors Kim WK,Jang YJ,Han DH,Seo B,Park S,Lee CH,Ko 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.

In vivo safety assessment of *Lactobacillus fermentum* strains, evaluation of their cholesterol-lowering ability and intestinal microbial modulation.

Journal of the science of food and agriculture , Volume: 100 Issue: 2 2020 Jan 30

Authors Thumu SCR,Halami PM

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,Annavaiah 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

Bacillus coagulans R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs.

Environmental pollution (Barking, Essex : 1987) , Volume: 255 Issue: Pt 2 2019 Sep 13

Authors Xing SC,Huang CB,Mi JD,Wu YB,Liao XD

Propolis modulates the gut microbiota and improves the intestinal mucosal barrier function in diabetic rats.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 118 2019 Oct

Authors Xue M,Liu Y,Xu H,Zhou Z,Ma Y,Sun T,Liu M,Zhang H,Liang H

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.

Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial.

The Journal of nutrition , 2019 Aug 28

Authors Christensen L,Vuholm S,Roager HM,Nielsen DS,Krych L,Kristensen M,Astrup A,Hjorth MF

Effects of Lactobacillus plantarum on the intestinal morphology, intestinal barrier function and microbiota composition of suckling piglets.

Journal of animal physiology and animal nutrition , 2019 Sep 9

Authors Wang Q,Sun Q,Qi R,Wang J,Qiu X,Liu Z,Huang J

<i>Lactobacillus reuteri</i> DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.

American journal of physiology. Gastrointestinal and liver physiology , 2019 Sep 4

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM

Immunomodulatory Effects of Lactobacillus plantarum on Inflammatory Response Induced by Klebsiella pneumoniae.

Infection and immunity , Volume: 87 Issue: 11 2019 Nov

Authors Vareille-Delarbre M,Miquel S,Garcin S,Bertran T,Balestrino D,Evrard B,Forestier C

Raw Bowl Tea (TuoCha) Polyphenol Prevention of Nonalcoholic Fatty Liver Disease by Regulating Intestinal Function in Mice.

Biomolecules , Volume: 9 Issue: 9 2019 Sep 1

Authors Liu B,Zhang J,Sun P,Yi R,Han X,Zhao X

Adhesive <i>Bifidobacterium</i> Induced Changes in Cecal Microbiome Alleviated Constipation in Mice.

Frontiers in microbiology , Volume: 10 2019

Authors Wang L,Chen C,Cui S,Lee YK,Wang G,Zhao J,Zhang H,Chen W

Enterococcus faecium NCIMB 10415 administration improves the intestinal health and immunity in neonatal piglets infected by enterotoxigenic Escherichia coli K88.

Journal of animal science and biotechnology , Volume: 10 2019

Authors Peng X,Wang R,Hu L,Zhou Q,Liu Y,Yang M,Fang Z,Lin Y,Xu S,Feng B,Li J,Jiang X,Zhuo Y,Li H,Wu D,Che L

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,Knipping K,Van`t Land B,Tims S,Stahl B,Garssen J,Franch A,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

Synbiotic-like effect of linoleic acid overproducing Lactobacillus casei with berry phenolic extracts against pathogenesis of enterohemorrhagic Escherichia coli.

Gut pathogens , Volume: 11 2019

Authors Tabashsum Z,Peng M,Bernhardt C,Patel P,Carrion M,Biswas D

Effect of Bay Leaves Essential Oil Concentration on the Properties of Biodegradable Carboxymethyl Cellulose-Based Edible Films.

Materials (Basel, Switzerland) , Volume: 12 Issue: 15 2019 Jul 24

Authors Rincón E,Serrano L,Balu AM,Aguilar JJ,Luque R,García A

Dietary Factors and Modulation of Bacteria Strains of <i>Akkermansia muciniphila</i> and <i>Faecalibacterium prausnitzii</i>: A Systematic Review.

Nutrients , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

Daily intake of wheat germ-enriched bread may promote a healthy gut bacterial microbiota: a randomised controlled trial.

European journal of nutrition , Volume: 59 Issue: 5 2020 Aug

Authors Moreira-Rosário A,Marques C,Pinheiro H,Norberto S,Sintra D,Teixeira JA,Calhau C,Azevedo LF

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 MIM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI

Effects of a formula with a probiotic Bifidobacterium lactis Supplement on the gut microbiota of low birth weight infants.

European journal of nutrition , Volume: 59 Issue: 4 2020 Jun

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

<i>Bacteroides thetaiotaomicron</i> Starch Utilization Promotes Quercetin Degradation and Butyrate Production by <i>Eubacterium ramulus</i>.

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

Lactobacillus fermentum CECT5716: a novel alternative for the prevention of vascular disorders in a mouse model of systemic lupus erythematosus.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 33 Issue: 9 2019 Sep

Authors Toral M,Robles-Vera I,Romero M,de la Visitación N,Sánchez M,O'Valle F,Rodríguez-Nogales A,Gálvez J,Duarte J,Jiménez R

Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in *Citrobacter rodentium*-Infected Mice.

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

Preventive Effects and Mechanisms of Garlic on Dyslipidemia and Gut Microbiome Dysbiosis.

Nutrients , Volume: 11 Issue: 6 2019 May 29

Authors Chen K,Xie K,Liu Z,Nakasone Y,Sakao K,Hossain A,Hou DX

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

Bacillus subtilis Strain DSM 29784 Modulates the Cecal Microbiome, Concentration of Short-Chain Fatty Acids, and Apparent Retention of Dietary Components in Shaver White Chickens during Grower, Developer, and Laying Phases.

Applied and environmental microbiology , Volume: 85 Issue: 14 2019 Jul 15

Authors Neijat M,Habtewold J,Shirley RB,Welsher A,Barton J,Thiery P,Kiarie E

Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.

PloS one , Volume: 14 Issue: 5 2019

Authors Miljkovic M,Jovanovic S,O'Connor PM,Mirkovic N,Jovicic B,Filipic B,Dinic M,Studholme DJ,Fira D,Cotter PD,Kojic M

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 MU,Kesse-Guyot E,Deschasaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium

Orally administered *Lactobacillus casei* exhibited several probiotic properties in artificially suckling rabbits.

Asian-Australasian journal of animal sciences , Volume: 33 Issue: 8 2020 Aug 1

Authors Shen XM,Cui HX,Xu XR

In vitro modulation of human gut microbiota composition and metabolites by *Bifidobacterium longum* BB-46 and a citric pectin.

Food research international (Ottawa, Ont.) , Volume: 120 2019 Jun

Authors Bianchi F,Larsen N,Tieghi TM,Adorno MAT,Saad SMI,Jespersen L,Sivieri K

The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.

Frontiers in nutrition , Volume: 6 2019

Authors Jefferson A,Adolphus K

Lactobacillus fermentum and *Lactobacillus plantarum* increased gut microbiota diversity and functionality, and mitigated Enterobacteriaceae, in a mouse model.

Beneficial microbes , Volume: 10 Issue: 4 2019 Apr 19

Authors Linnings C,Xu J,Bahl M,Ahrné S,Molin G

Lactobacillus fermentum species ameliorate dextran sulfate sodium-induced colitis by regulating the immune response and altering gut microbiota.

Gut microbes , Volume: 10 Issue: 6 2019

Authors Jang YJ,Kim WK,Han DH, Lee K,Ko G

Nutritional impacts of dietary oregano and Enviva essential oils on the performance, gut microbiota and blood biochemicals of growing ducks.**Animal : an international journal of animal bioscience , Volume: 13 Issue: 10 2019 Oct**

Authors Abouelezz K,Abou-Hadied M,Yuan J,Elokil AA,Wang G,Wang S,Wang J,Bian G

Lactobacillus reuteri Reduces the Severity of Experimental Autoimmune Encephalomyelitis in Mice by Modulating Gut Microbiota.**Frontiers in immunology , Volume: 10 2019**

Authors He B,Hoang TK,Tian X,Taylor CM,Blanchard E,Luo M,Bhattacharjee MB,Freeborn J,Park S,Couturier J,Lindsey JW,Tran DQ,Rhoads JM,Liu Y

Probiotic Activity of Enterococcus faecium and Lactococcus lactis Isolated from Thai Fermented Sausages and Their Protective Effect Against Clostridium difficile.**Probiotics and antimicrobial proteins , Volume: 12 Issue: 2 2020 Jun**

Authors Dowdell P,Chankhamhaengdech S,Panbangred W,Janvilisri T,Aroonnu A

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

Beneficial effects of ginger on prevention of obesity through modulation of gut microbiota in mice.**European journal of nutrition , Volume: 59 Issue: 2 2020 Mar**

Authors Wang J,Wang P,Li D,Hu X,Chen F

Effects of dietary supplementation of probiotic Enterococcus faecium on growth performance and gut microbiota in weaned piglets.**AMB Express , Volume: 9 Issue: 1 2019 Mar 1**

Authors Hu C,Xing W,Liu X,Zhang X,Li K,Liu J,Deng B,Deng J,Li Y,Tan C

Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.**Journal of agricultural and food chemistry , Volume: 67 Issue: 33 2019 Aug 21**

Authors Han Y,Song M,Gu M,Ren D,Zhu X,Cao X,Li F,Wang W,Cai X,Yuan B,Goulette T,Zhang G,Xiao H

A rosy exopolysaccharide producing strain Bifidobacterium longum subsp. longum YS108R alleviates DSS-induced colitis by maintenance of the mucosal barrier and gut microbiota modulation.**Food & function , Volume: 10 Issue: 3 2019 Mar 20**

Authors Yan S,Yang B,Zhao J,Zhao J,Stanton C,Ross RP,Zhang H,Chen W

Dietary supplementation with strawberry induces marked changes in the composition and functional potential of the gut microbiome in diabetic mice.**The Journal of nutritional biochemistry , Volume: 66 2019 Apr**

Authors Petersen C,Wankhade UD,Bharat D,Wong K,Mueller JE,Chintapalli SV,Piccolo BD,Jalili T,Jia Z,Symons JD,Shankar K,Anandh Babu PV

Combination probiotics may prevent Clostridium difficile infection among elderly patients undergoing an orthopedic surgery.**Bioscience of microbiota, food and health , Volume: 38 Issue: 1 2019**

Authors Nagamine T,Matsumoto Y,Nakamura M

Intestinal Morphologic and Microbiota Responses to Dietary <i>Bacillus</i> spp. in a Broiler Chicken Model.**Frontiers in physiology , Volume: 9 2018**

Authors Li CL,Wang J,Zhang HJ,Wu SG,Hui QR,Yang CB,Fang RJ,Qi GH

Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.**PeerJ , Volume: 7 2019**

Authors De Paepe K,Verspreet J,Rezaei MN,Hidalgo Martinez S,Meysman F, Van de Walle D,Dewettinck K,Raes J,Courtin C, Van de Wiele T

The Inflammatory Response to Enterotoxigenic E. coli and Probiotic E. faecium in a Coculture Model of Porcine Intestinal Epithelial and Dendritic Cells.**Mediators of inflammation , Volume: 2018 2018**

Authors Loss H,Aschenbach JR,Tedin K,Ebner F,Lodemann U

Bacillus subtilis 29784 induces a shift in broiler gut microbiome toward butyrate-producing bacteria and improves intestinal histomorphology and animal performance.**Poultry science , Volume: 98 Issue: 6 2019 Jun 1**

Authors Jacquier V,Nelson A,Jlali M,Rhayat L,Brinch KS,Devillard E

The impact of Bacillus subtilis 18 isolated from Tibetan yaks on growth performance and gut microbial community in mice.

Microbial pathogenesis , Volume: 128 2019 Mar

Authors Li A,Jiang X,Wang Y,Zhang L,Zhang H,Mehmood K,Li Z,Waqas M,Li J

[Lactobacillus reuteri HCM2 protects mice against Enterotoxigenic Escherichia coli through modulation of gut microbiota.](#)

Scientific reports , Volume: 8 Issue: 1 2018 Nov 30

Authors Wang T,Teng K,Liu G,Liu Y,Zhang J,Zhang X,Zhang M,Tao Y,Zhong J

[The impact of Bacillus subtilis DSM 32315 on the pathology, performance, and intestinal microbiome of broiler chickens in a necrotic enteritis challenge.](#)

Poultry science , Volume: 98 Issue: 9 2019 Sep 1

Authors Whelan RA,Doranalli K,Rinttilä T,Vienola K,Jurgens G,Apajalahti J

[Arabinoxylan from Argentinian whole wheat flour promote the growth of Lactobacillus reuteri and Bifidobacterium breve.](#)

Letters in applied microbiology , Volume: 68 Issue: 2 2019 Feb

Authors Paesani C,Salvucci E,Moiraghi M,Fernandez Canigia L,Pérez GT

[Linoleic Acids Overproducing Lactobacillus casei Limits Growth, Survival, and Virulence of Salmonella Typhimurium and Enterohaemorrhagic Escherichia coli.](#)

Frontiers in microbiology , Volume: 9 2018

Authors Peng M,Tabashsum Z,Patel P,Bernhardt C,Biswas D

[Identification of factors involved in Enterococcus faecalis biofilm under quercetin stress.](#)

Microbial pathogenesis , Volume: 126 2019 Jan

Authors Qayyum S,Sharma D,Bisht D,Khan AU

[Strategies to promote abundance of <i>Akkermansia muciniphila</i>, 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

[Effect of Bacillus subtilis C-3102 on bone mineral density in healthy postmenopausal Japanese women: a randomized, placebo-controlled, double-blind clinical trial.](#)

Bioscience of microbiota, food and health , Volume: 37 Issue: 4 2018

Authors Takimoto T,Hatanaka M,Hoshino T,Takara T,Tanaka K,Shimizu A,Morita H,Nakamura T

[Simultaneous Supplementation of <i>Bacillus subtilis</i> and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.](#)

Frontiers in microbiology , Volume: 9 2018

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

[Determination of Antimicrobial Activity of Some Commercial Fruit \(Apple, Papaya, Lemon and Strawberry\) Against Bacteria Causing Urinary Tract Infection.](#)

European journal of microbiology & immunology , Volume: 8 Issue: 3 2018 Sep 28

Authors Liya SJ,Siddique R

[Supplemental Bacillus subtilis DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.](#)

Scientific reports , Volume: 8 Issue: 1 2018 Oct 18

Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G

[Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.](#)

Natural product research , 2018 Oct 13

Authors Condò C,Anacorso I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P

[Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased <i>Akkermansia muciniphila</i> 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

[Effects of Whole Milk Supplementation on Gut Microbiota and Cardiometabolic Biomarkers in Subjects with and without Lactose Malabsorption.](#)

Nutrients , Volume: 10 Issue: 10 2018 Oct 2

Authors Li X,Yin J,Zhu Y,Wang X,Hu X,Bao W,Huang Y,Chen L,Chen S,Yang W,Shan Z,Liu L

[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 *Bacillus amyloliquefaciens* C-1 Improves Growth Performance, Stimulates GH/IGF-1, and Regulates the Gut Microbiota of Growth-Retarded Beef Calves.](#)

Frontiers in microbiology , Volume: 9 2018

Authors Du R,Jiao S,Dai Y,An J,Lv J,Yan X,Wang J,Han B

[The Effects of Berberine on the Gut Microbiota in Apc ^{min/+} Mice Fed with a High Fat Diet.](#)

Molecules (Basel, Switzerland) , Volume: 23 Issue: 9 2018 Sep 8

Authors Wang H,Guan L,Li J,Lai M,Wen X

[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

[Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.](#)

Environmental microbiology , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM,Van de Wiele T

[Modulation of gut microbiota from obese individuals by in vitro fermentation of citrus pectin in combination with Bifidobacterium longum BB-46.](#)

Applied microbiology and biotechnology , Volume: 102 Issue: 20 2018 Oct

Authors Bianchi F,Larsen N,de Mello Tieghi T,Adorno MAT,Kot W,Saad SMI,Jespersen L,Sivieri K

[Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.](#)

Journal of evidence-based integrative medicine , Volume: 23 2018 Jan-Dec

Authors Peterson CT,Vaughn AR,Sharma V,Chopra D,Mills PJ,Peterson SN,Sivamani RK

[Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.](#)

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Mayta-Apaza AC,Pottgen E,De Bodt J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SO,Carbonero F

[A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.](#)

Applied and environmental microbiology , Volume: 84 Issue: 19 2018 Oct 1

Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R

[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

[Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections.](#)

Molecules (Basel, Switzerland) , Volume: 23 Issue: 7 2018 Jul 9

Authors Ebani WV,Nardoni S,Bertelloni F,Pistelli L,Mancianti F

[Bifidobacterium bifidum TMC3115 Can Characteristically Influence Glucose and Lipid Profile and Intestinal Microbiota in the Middle-Aged and Elderly.](#)

Probiotics and antimicrobial proteins , 2018 Jul 5

Authors Wang K,Yu X,Li Y,Guo Y,Ge L,Pu F,Ma X,Cui W,Marrota F,He F,Li M

[Beneficial effects of the commercial lactic acid bacteria product, Vigis 101, on gastric mucosa and intestinal bacterial flora in rats.](#)

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2018 Jun 23

Authors Kao L,Liu TH,Tsai TY,Pan TM

[Effects of garlic polysaccharide on alcoholic liver fibrosis and intestinal microflora in mice.](#)

Pharmaceutical biology , Volume: 56 Issue: 1 2018 Dec

Authors Wang Y,Guan M,Zhao X,Li X

[Composition and metabolism of fecal microbiota from normal and overweight children are differentially affected by melibiose, raffinose and raffinose-derived fructans.](#)

Anaerobe , Volume: 52 2018 Aug

Authors Adamberg K,Adamberg S,Ernits K,Larionova A,Voor T,Jaagura M,Visnapuu T,Alamäe T

Anti-inflammatory and antibacterial evaluation of Thymus sipyleus Boiss. subsp. sipyleus var. sipyleus essential oil against rhinosinusitis pathogens.

Microbial pathogenesis , Volume: 122 2018 Sep

Authors Demirci F,Karaca N,Tekin M,Demirci B

Obesity treatment by epigallocatechin-3-gallate-regulated bile acid signaling and its enriched Akkermansia muciniphila.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 32 Issue: 12 2018 Jun 8

Authors Sheng L,Jena PK,Liu HX,Hu Y,Nagar N,Bronner DN,Settles ML,Bäumler AJ,Wan YY

Effect of Lactobacillus paracasei CNCM I-1572 on symptoms, gut microbiota, short chain fatty acids, and immune activation in patients with irritable bowel syndrome: A pilot randomized clinical trial.

United European gastroenterology journal , Volume: 6 Issue: 4 2018 May

Authors Cremon C,Guglielmetti S,Gargari G,Taverniti V,Castellazzi AM,Valsecchi C,Tagliacarne C,Fiore W,Bellini M,Bertani L,Gambaccini D,Cicala M,Germanà B,Vecchi M,Pagano I,Barbaro MR,Bellacosa L,Stanghellini V,Barbara G

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

Role of probiotics in the treatment of minimal hepatic encephalopathy in patients with HBV-induced liver cirrhosis.

The Journal of international medical research , Volume: 46 Issue: 9 2018 Sep

Authors Xia X,Chen J,Xia J,Wang B,Liu H,Yang L,Wang Y,Ling Z

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

Role of *Lactobacillus reuteri* in Human Health and Diseases.

Frontiers in microbiology , Volume: 9 2018

Authors Mu Q,Tavella VJ,Luo XM

Screening and characterization of selected drugs having antibacterial potential.

Pakistan journal of pharmaceutical sciences , Volume: 31 Issue: 3 2018 May

Authors Javed H,Tabassum S,Erum S,Murtaza I,Muhammad A,Amin F,Nisar MF

Feasibility of a Lactobacillus casei Drink in the Intensive Care Unit for Prevention of Antibiotic Associated Diarrhea and Clostridium difficile.

Nutrients , Volume: 10 Issue: 5 2018 Apr 26

Authors Alberda C,Marcushamer S,Hewer T,Journault N,Kutsogiannis D

Modifications in gut microbiota and fermentation metabolites in the hindgut of rats after the consumption of galactooligosaccharide glycosylated with a fish peptide.

Food & function , Volume: 9 Issue: 5 2018 May 1

Authors Jin W,Han K,Dong S,Yang Y,Mao Z,Su M,Zeng M

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

The bacterium Pseudomonas aeruginosa senses and gradually responds to interspecific competition for iron.

Evolution; international journal of organic evolution , 2018 Apr 17

Authors Leinweber A,Weigert M,Kümmerli R

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

Prebiotic Potential of Herbal Medicines Used in Digestive Health and Disease.

Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 24 Issue: 7 2018 Jul

Authors Peterson CT,Sharma V,Uchitel S,Denniston K,Chopra D,Mills PJ,Peterson SN

Effects of dietary <i>Bacillus amyloliquefaciens</i> supplementation on growth performance, intestinal morphology, inflammatory response, and microbiota of intra-uterine growth retarded weanling piglets.

Journal of animal science and biotechnology , Volume: 9 2018

Authors Li Y,Zhang H,Su W,Ying Z,Chen Y,Zhang L,Lu Z,Wang T

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

Whole Tibetan Hull-Less Barley Exhibit Stronger Effect on Promoting Growth of Genus Bifidobacterium than Refined Barley In Vitro.

Journal of food science , Volume: 83 Issue: 4 2018 Apr

Authors Gong L,Cao W,Gao J,Wang J,Zhang H,Sun B,Yin M

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

PeerJ , Volume: 6 2018

Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X

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

Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.

Food & function , Volume: 9 Issue: 3 2018 Mar 1

Authors Zartl B,Silberbauer K,Loeppert R,Viernstein H,Praznik W,Mueller M

Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.

Food & function , 2018 Feb 21

Authors Cheng W,Lu J,Lin W,Wei X,Li H,Zhao X,Jiang A,Yuan J

Essential oils from Origanum vulgare and Salvia officinalis exhibit antibacterial and anti-biofilm activities against Streptococcus pyogenes.

Microbial pathogenesis , Volume: 117 2018 Apr

Authors Wijesundara NM,Rupasinghe HPV

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.

Frontiers in microbiology , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.

Canadian journal of microbiology , 2018 Feb 5

Authors Wang Y,Guo Y,Chen H,Wei H,Wan C

Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 73 Issue: 1 2018 Mar

Authors Paturi G,Butts CA,Monro JA,Hedderley D

[Assessment of the impact of vitamin and dietary fiber content in the diet on the characteristics of protective colon microbiota populations of rats].

Voprosy pitaniia , Volume: 84 Issue: 6 2015

Authors Markova YM,Sheveleva SA

Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.

Carcinogenesis , 2018 Jan 19

Authors Chen L,Jiang B,Zhong C,Guo J,Zhang L,Mu T,Zhang Q,Bi X

The 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

Transferrin and Lactoferrin - Human Iron Sources for Enterococci.

Polish journal of microbiology , Volume: 66 Issue: 4 2017 Dec 4

Authors *Lisiecki P*

[Effect of dark sweet cherry powder consumption on the gut microbiota, short-chain fatty acids, and biomarkers of gut health in obese db/db mice.](#)

PeerJ , Volume: 6 2018

Authors *Garcia-Mazcorro JF,Lage NN,Mertens-Talcott S,Talcott S,Chew B,Dowd SE,Kawas JR,Noratto GD*

[Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.](#)

The British journal of nutrition , Volume: 119 Issue: 2 2018 Jan

Authors *Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J*

[Thymus mastichina L. essential oils from Murcia \(Spain\): Composition and antioxidant, antienzymatic and antimicrobial bioactivities.](#)

PloS one , Volume: 13 Issue: 1 2018

Authors *Cutillas AB,Carrasco A,Martinez-Gutierrez R,Tomas V,Tudela J*

[Influence of a diet enriched with virgin olive oil or butter on mouse gut microbiota and its correlation to physiological and biochemical parameters related to metabolic syndrome.](#)

PloS one , Volume: 13 Issue: 1 2018

Authors *Prieto I,Hidalgo M,Segarra AB,Martínez-Rodríguez AM,Cobo A,Ramírez M,Abriouel H,Gálvez A,Martínez-Cañamero M*

[Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.](#)

Journal of food protection , Volume: 81 Issue: 1 2018 Jan

Authors *Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W*

[Effects of fermented soymilk with *Lactobacillus casei* Shirota on skin condition and the gut microbiota: a randomised clinical pilot trial.](#)

Beneficial microbes , Volume: 9 Issue: 2 2018 Feb 27

Authors *Nagino T,Kaga C,Kano M,Masuoka N,Anbe M,Moriyama K,Maruyama K,Nakamura S,Shida K,Miyazaki K*

[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*

[Effect of Probiotics on Pharmacokinetics of Orally Administered Acetaminophen in Mice.](#)

Drug metabolism and disposition: the biological fate of chemicals , Volume: 46 Issue: 2 2018 Feb

Authors *Kim JK,Choi MS,Jeong JJ,Lim SM,Kim IS,Yoo HH,Kim DH*

[Blood lactose after dairy product intake in healthy men.](#)

The British journal of nutrition , Volume: 118 Issue: 12 2017 Dec

Authors *Pimentel G,Burton KJ,Rosikiewicz M,Freiburghaus C,von Ah U,Münger LH,Pralong FP,Vionnet N,Greub G,Badertscher R,Vergères G*

[Effects of *Lactobacillus acidophilus* on gut microbiota composition in broilers challenged with *Clostridium perfringens*.](#)

PloS one , Volume: 12 Issue: 11 2017

Authors *Li Z,Wang W,Liu D,Guo Y*

[Bifidobacterium infantis Potentially Alleviates Shrimp Tropomyosin-Induced Allergy by Tolerogenic Dendritic Cell-Dependent Induction of Regulatory T Cells and Alterations in Gut Microbiota.](#)

Frontiers in immunology , Volume: 8 2017

Authors *Fu L,Song J,Wang C,Fu S,Wang Y*

[Quercetin metabolism by fecal microbiota from healthy elderly human subjects.](#)

PloS one , Volume: 12 Issue: 11 2017

Authors *Tamura M,Hoshi C,Kobori M,Takahashi S,Tomita J,Nishimura M,Nishihira J*

[Balancing Herbal Medicine and Functional Food for Prevention and Treatment of Cardiometabolic Diseases through Modulating Gut Microbiota.](#)

Frontiers in microbiology , Volume: 8 2017

Authors *Lyu M,Wang YF,Fan GW,Wang XY,Xu SY,Zhu Y*

[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*

[An in vitro Comparative Evaluation of Efficacy of Disinfecting Ability of Garlic Oil, Neem Oil, Clove Oil, and Tulsi Oil with autoclaving on Endodontic K Files tested against *Enterococcus faecalis*.](#)

International journal of clinical pediatric dentistry , Volume: 10 Issue: 3 2017 Jul-Sep

Authors *Hugar S,M Patel P,Nagmoti J,Uppin C,Mistry L,Dhariwal N*

[Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.](#)

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.**Journal of food science and technology** , Volume: 54 Issue: 12 2017 Nov

Authors Ashraf SA,Al-Shammari E,Hussain T,Tajuddin S,Panda BP

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

Bifidobacterium longum BB536 alleviated upper respiratory illnesses and modulated gut microbiota profiles in Malaysian pre-school children.**Beneficial microbes** , Volume: 9 Issue: 1 2018 Jan 29

Authors Lau AS,Yanagisawa N,Hor YY,Lew LC,Ong JS,Chuah LO,Lee YY,Choi SB,Rashid F,Wahid N,Sugahara H,Xiao JZ,Liong MT

Lactobacillus rhamnosus L34 Attenuates Gut Translocation-Induced Bacterial Sepsis in Murine Models of Leaky Gut.**Infection and immunity** , Volume: 86 Issue: 1 2018 Jan

Authors Panpetch W,Chancharoentana W,Bootdee K,Nilgate S,Finkelman M,Tumwasorn S,Leelahavanichkul A

Indoor microbiota in severely moisture damaged homes and the impact of interventions.**Microbiome** , Volume: 5 Issue: 1 2017 Oct 13

Authors Jayaprakash B,Adams RI,Kirjavainen P,Karvonen A,Vepsäläinen A,Valkonen M,Järvi K,Sulyok M,Pekkanen J,Hyvärinen A,Täubel M

Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.**The British journal of nutrition** , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

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

Lactobacillus fermentum FTDC 8312 combats hypercholesterolemia via alteration of gut microbiota.**Journal of biotechnology** , Volume: 262 2017 Nov 20

Authors Lye HS,Kato T,Low WY,Taylor TD,Prakash T,Lew LC,Ohno H,Liong MT

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

Assessment of plaque regrowth with a probiotic toothpaste containing *Lactobacillus paracasei*: A spectrophotometric study.**Journal of the Indian Society of Pedodontics and Preventive Dentistry** , Volume: 35 Issue: 4 2017 Oct-Dec

Authors Srinivasan S,Nandlal B,Rao MVS

Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.**Journal of food and drug analysis** , Volume: 25 Issue: 2 2017 Apr

Authors Semeniciu CA,Pop CR,Rotar AM

Bifidobacteria exert species-specific effects on constipation in BALB/c mice.**Food & function** , Volume: 8 Issue: 10 2017 Oct 18

Authors Wang L,Hu L,Xu Q,Jiang T,Fang S,Wang G,Zhao J,Zhang H,Chen W

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,Guillbot A,Brochot A,Gérard P,Bäckhed F,Cani PD

A yeast fermentate improves gastrointestinal discomfort and constipation by modulation of the gut microbiome: results from a randomized double-blind placebo-controlled pilot trial.**BMC complementary and alternative medicine** , Volume: 17 Issue: 1 2017 Sep 4

Authors Pinheiro I,Robinson L,Verhelst A,Marzorati M,Winkens B,den Abbeele PV,Possemiers S

Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.**Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , 2017 Aug 29

Authors Lin TH,Pan TM

Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.

Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017 Aug 30

Authors Lin X,Chen X,Tu Y,Wang S,Chen H

Lactobacillus plantarum LP-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

Bifidobacterium pseudocatenulatum LI09 and Bifidobacterium catenulatum LI10 attenuate D-galactosamine-induced liver injury by modifying the gut microbiota

Scientific Reports , Volume: 7 2017 Aug 18

Authors Fang D,Shi D,Lv L,Gu S,Wu W,Chen Y,Guo J,Li A,Hu X,Guo F,Ye J,Li Y,Li L

Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.

Food & nutrition research , Volume: 61 Issue: 1 2017

Authors Shen L,Liu L, Ji HF

Dietary Propolis Ameliorates Dextran Sulfate Sodium-Induced Colitis and Modulates the Gut Microbiota in Rats Fed a Western Diet.

Nutrients , Volume: 9 Issue: 8 2017 Aug 14

Authors Wang K,Jin X,You M,Tian W,Le Leu RK,Topping DL,Conlon MA,Wu L,Hu F

Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.

Food & function , Volume: 8 Issue: 9 2017 Sep 20

Authors Wang G,Li X,Zhao J,Zhang H,Chen W

Specific Signatures of the Gut Microbiota and Increased Levels of Butyrate in Children Treated with Fermented Cow's Milk Containing Heat-Killed Lactobacillus paracasei CBA L74.

Applied and environmental microbiology , Volume: 83 Issue: 19 2017 Oct 1

Authors Berni Canani R,De Filippis F,Nocerino R,Laiola M,Paparo L,Calignano A,De Caro C,Coretti L,Chiariotti L,Gilbert JA,Ercolini D

Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.

Nutrition and cancer , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P,Lam V,Salzman N,Huang YW,Yu J,Zhang J,Wang LS

Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.

Scientific reports , Volume: 7 Issue: 1 2017 Jul 17

Authors Suriano F,Bindels LB,Verspreet J,Courtin CM,Verbeke K,Cani PD,Neyrinck AM,Delzenne NM

Association of Silver Nanoparticles and Curcumin Solid Dispersion: Antimicrobial and Antioxidant Properties.

AAPS PharmSciTech , Volume: 19 Issue: 1 2018 Jan

Authors Alves TF,Chaud MV,Grotto D,Jozala AF,Pandit R,Rai M,Dos Santos CA

Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.

Journal of food science , Volume: 82 Issue: 8 2017 Aug

Authors Lu QY,Summanen PH, Lee RP,Huang J,Henning SM,Heber D,Finegold SM,Li Z

Monitoring <i>in vitro</i> antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.

Integrative medicine research , Volume: 3 Issue: 3 2014 Sep

Authors Rath S,Padhy RN

The effects of the Lactobacillus casei strain on obesity in children: a pilot study.

Beneficial microbes , Volume: 8 Issue: 4 2017 Aug 24

Authors Nagata S,Chiba Y,Wang C,Yamashiro Y

Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome.

Environmental microbiology , Volume: 19 Issue: 8 2017 Aug

Authors De Paepe K,Kerckhof FM,Verspreet J,Courtin CM, Van de Wiele T

Human Milk Oligosaccharides Exhibit Antimicrobial and Antibiofilm Properties against Group B Streptococcus.

ACS infectious diseases , Volume: 3 Issue: 8 2017 Aug 11

Authors Ackerman DL,Doster RS,Weitkamp JH,Aronoff DM,Gaddy JA,Townsend SD

Probiotic yogurt and acidified milk similarly reduce postprandial inflammation and both alter the gut microbiota of healthy, young men.

The British journal of nutrition , Volume: 117 Issue: 9 2017 May

Authors Burton KJ,Rosikiewicz M,Pimentel G,Bütikofer U,von Ah U,Voirol MJ,Croxatto A,Aeby S,Drai J,McTernan PG,Greub G,Pralong FP,Vergères G,Vionnet N

[Association between Yogurt Consumption and Intestinal Microbiota in Healthy Young Adults Differs by Host Gender.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Suzuki Y,Ikeda K,Sakuma K,Kawai S,Sawaki K,Asahara T,Takahashi T,Tsuji H,Nomoto K,Nagpal R,Wang C,Nagata S,Yamashiro Y

[Recovery of ethanol-induced *Akkermansia muciniphila* 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

[The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.](#)

Science translational medicine , Volume: 9 Issue: 390 2017 May 17

Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI

[Effect of *Lactobacillus rhamnosus* HN001 and *Bifidobacterium longum* BB536 on the healthy gut microbiota composition at phyla and species level: A preliminary study.](#)

World journal of gastroenterology , Volume: 23 Issue: 15 2017 Apr 21

Authors Toscano M,De Grandi R,Stronati L,De Vecchi E,Drago L

[Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation.](#)

Food & function , Volume: 8 Issue: 5 2017 May 24

Authors Wang L,Hu L,Yan S,Jiang T,Fang S,Wang G,Zhao J,Zhang H,Chen W

[Effect of dietary supplementation with *Lactobacillus acidophilus* D2/CSL \(CECT 4529\) on caecum microbioma and productive performance in broiler chickens.](#)

PloS one , Volume: 12 Issue: 5 2017

Authors De Cesare A,Sirri F,Manfreda G,Moniaci P,Giardini A,Zampiga M,Meluzzi A

[Effect of *Bacillus subtilis* and *Bacillus licheniformis* supplementation in diets with low- and high-protein content on ileal crude protein and amino acid digestibility and intestinal microbiota composition of growing pigs.](#)

Journal of animal science and biotechnology , Volume: 8 2017

Authors Kaewtapee C,Burbach K,Tomforde G,Hartinger T,Camarinha-Silva A,Heinritz S,Seifert J,Wiltafsky M,Mosenthin R,Rosenfelder-Kuon P

[Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.](#)

Molecular medicine reports , Volume: 15 Issue: 5 2017 May

Authors Xu JH,Liu XZ,Pan W,Zou DJ

[Effect of a probiotic beverage consumption \(*Enterococcus faecium* CRL 183 and *Bifidobacterium longum* ATCC 15707\) in rats with chemically induced colitis.](#)

PloS one , Volume: 12 Issue: 4 2017

Authors Celiberto LS,Bedani R,Dejani NN,Ivo de Medeiros A,Sampaio Zuanon JA,Spolidorio LC,Tallarico Adorno MA,Amâncio Varesche MB,Carrilho Galvão F,Valentini SR,Font de Valdez G,Rossi EA,Cavallini DCU

[Antagonistic Activity of *Lactobacillus reuteri* Strains on the Adhesion Characteristics of Selected Pathogens.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Singh TP,Kaur G,Kapila S,Malik RK

[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

[Good Bugs vs Bad Bugs: Evaluation of Inhibitory Effect of Selected Probiotics against *Enterococcus faecalis*.](#)

The journal of contemporary dental practice , Volume: 18 Issue: 4 2017 Apr 1

Authors Bohora AA,Kokate SR

[Evaluation of Phenolic Compounds and Antioxidant and Antimicrobial Activities of Some Common Herbs.](#)

International journal of analytical chemistry , Volume: 2017 2017

Authors Abdul Qadir M,Shahzadi SK,Bashir A,Munir A,Shahzad S

[Effect of Whole Grain Qingke \(Tibetan *Hordeum vulgare* L. Zangqing 320\) on the Serum Lipid Levels and Intestinal](#)

Microbiota of Rats under High-Fat Diet.**Journal of agricultural and food chemistry** , Volume: 65 Issue: 13 2017 Apr 5

Authors Xia X,Li G,Ding Y,Ren T,Zheng J,Kan J

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

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

Characterization of ginger essential oil/palygorskite composite (GEO-PGS) and its anti-bacteria activity.**Materials science & engineering. C, Materials for biological applications** , Volume: 73 2017 Apr 1

Authors Lei H,Wei Q,Wang Q,Su A,Xue M,Liu Q,Hu Q

The Fungal Mycobiome and Its Interaction with Gut Bacteria in the Host.**International journal of molecular sciences** , Volume: 18 Issue: 2 2017 Feb 4

Authors Sam QH,Chang MW,Chai LY

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

Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals.**Proceedings of the National Academy of Sciences of the United States of America** , Volume: 114 Issue: 3 2017 Jan 17

Authors Azcarate-Peril MA,Ritter AJ,Savaiano D,Monteagudo-Mera A,Anderson C,Magness ST,Klaenhammer TR

A metagenomic study of the preventive effect of Lactobacillus rhamnosus GG on intestinal polyp formation in Apc^{Min/+} mice.**Journal of applied microbiology** , Volume: 122 Issue: 3 2017 Mar

Authors Ni Y,Wong VH,Tai WC,Li J,Wong WY,Lee MM,Fong FL,El-Nezami H,Panagiotou G

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,Soltys CM,Hamza SM,Byrne NJ,Masson G,Park H,Wishart DS,Madsen KL,Schertzer JD,Dyck JR

Gut-borne Saccharomyces cerevisiae, a promising candidate for the formulation of feed additives, modulates immune system and gut microbiota.**Beneficial microbes** , Volume: 7 Issue: 5 2016 Nov 30

Authors Garcia G,Dogí C,de Moreno de LeBlanc A,Greco C,Cavaglieri L

Breaking the resistance of Escherichia coli: Antimicrobial activity of Berberis lycium Royle.**Microbial pathogenesis** , Volume: 102 2017 Jan

Authors Malik TA,Kamili AN,Chishti MZ,Ahad S,Tantry MA,Hussain PR,Johri RK

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

Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon

[bacteria in the presence of inulin-type fructans.](#)

International journal of food microbiology , Volume: 241 2017 Jan 16

Authors Moens F,Verce M,De Vuyst L

[Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.](#)

Poultry science , Volume: 96 Issue: 5 2017 May 1

Authors Guo JR,Dong XF,Liu S,Tong JM

[Fucosyllactose and L-fucose utilization of infant Bifidobacterium longum and Bifidobacterium kashiwanohense.](#)

BMC microbiology , Volume: 16 Issue: 1 2016 Oct 26

Authors Bunesova V,Lacroix C,Schwab C

[Oral supplementation of healthy adults with 2`-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.](#)

The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct

Authors Elison E,Vigsnæs LK,Rindom Krogsgaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P

[Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.](#)

Scientific reports , Volume: 6 2016 Oct 3

Authors Smith-Brown P,Morrison M,Krause L,Davies PS

[Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.](#)

Journal of the science of food and agriculture , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

[Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.](#)

Journal of periodontology , Volume: 88 Issue: 2 2017 Feb

Authors Oliveira LF,Salvador SL,Silva PH,Furlaneto FA,Figueiredo L,Casarin R,Ervolino E,Palioto DB,Souza SL,Taba M Jr,Novaeas AB Jr,Messora MR

[Draft Genome Sequence of Klebsiella pneumoniae Strain AS Isolated from Zhejiang Provincial Hospital of TCM, China.](#)

Genome announcements , Volume: 4 Issue: 5 2016 Sep 22

Authors Yang XJ,Wang S,Cao JM,Hou JH

[Antibacterial in vitro effects of preparations from Anthroposophical Medicine.](#)

BMC complementary and alternative medicine , Volume: 16 Issue: 1 2016 Sep 22

Authors Roser E,Gründemann C,Engels I,Huber R

[Apple peel polyphenols: a key player in the prevention and treatment of experimental inflammatory bowel disease.](#)

Clinical science (London, England : 1979) , Volume: 130 Issue: 23 2016 Dec 1

Authors Denis MC,Roy D,Yeganeh PR,Desjardins Y,Varin T,Haddad N,Amre D,Sané AT,Garofalo C,Furtos A,Patey N,Delvin E,Tremblay E,Marette A,Beaulieu JF,Levy E

[In vitro activity of plant extracts against biofilm-producing food-related bacteria.](#)

International journal of food microbiology , Volume: 238 2016 Dec 5

Authors Nostro A,Guerrini A,Marino A,Tacchini M,Di Giulio M,Grandini A,Akin M,Cellini L,Bisignano G,Saraçoğlu HT

[Gut complex carbohydrates and intestinal microflora in broiler chickens fed with oregano \(Origanum vulgare L.\) aqueous extract and vitamin E.](#)

Journal of animal physiology and animal nutrition , Volume: 101 Issue: 4 2017 Aug

Authors Scocco P,Forte C,Franciosi MP,Mercati F,Casagrande-Proietti P,Dall'Aglio C,Acuti G,Tardella FM,Trabalza-Marinucci M

[Berberine Is a Novel Type Efflux Inhibitor Which Attenuates the MexXY-Mediated Aminoglycoside Resistance in Pseudomonas aeruginosa.](#)

Frontiers in microbiology , Volume: 7 2016

Authors Morita Y,Nakashima K,Nishino K,Kotani K,Tomida J,Inoue M,Kawamura Y

[Iron Fortification of Foods for Infants and Children in Low-Income Countries: Effects on the Gut Microbiome, Gut Inflammation, and Diarrhea.](#)

Nutrients , Volume: 8 Issue: 8 2016 Aug 12

Authors Paganini D,Uyoga MA,Zimmermann MB

[An ATP Binding Cassette Transporter Mediates the Uptake of α-\(1,6\)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.](#)

The Journal of biological chemistry , Volume: 291 Issue: 38 2016 Sep 16

Authors Ejby M,Fredslund F,Andersen JM,Vujicic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M

[Integrative analysis of metabolome and gut microbiota in diet-induced hyperlipidemic rats treated with berberine compounds.](#)

Journal of translational medicine , Volume: 14 Issue: 1 2016 Aug 5

Authors Li M,Shu X,Xu H,Zhang C,Yang L,Zhang L, Ji G

The effect of volatile oil mixtures on the performance and ilio-caecal microflora of broiler chickens.

British poultry science , Volume: 57 Issue: 6 2016 Dec

Authors Cetin E,Yibar A,Yesilbag D,Cetin I,Cengiz SS

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

Enhancing flora balance in the gastrointestinal tract of mice by lactic acid bacteria from Chinese sourdough and enzyme activities indicative of metabolism of protein, fat, and carbohydrate by the flora.

Journal of dairy science , Volume: 99 Issue: 10 2016 Oct

Authors Yang D,Yu X,Wu Y,Chen X,Wei H,Shah NP,Xu F

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

Lactobacillus fermentum CRL1446 Ameliorates Oxidative and Metabolic Parameters by Increasing Intestinal Feruloyl Esterase Activity and Modulating Microbiota in Calorie-Restricted Mice.

Nutrients , Volume: 8 Issue: 7 2016 Jul 7

Authors Russo M,Fabersani E,Abeijón-Mukdsi MC,Ross R,Fontana C,Benítez-Páez A,Gauffin-Cano P,Medina RB

In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.

Journal of intercultural ethnopharmacology , Volume: 5 Issue: 3 2016 Jun-Aug

Authors Sakkas H,Gousia P,Economou V,Sakkas V,Petsios S,Papadopoulou C

Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with Lactobacillus plantarum ZDY2013.

Journal of dairy science , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

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,Marunguang 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

Significant pharmacokinetic differences of berberine are attributable to variations in gut microbiota between Africans and Chinese.

Scientific reports , Volume: 6 2016 Jun 10

Authors Aloga RN,Fan Y,Chen Z,Liu LW,Zhao YJ,Li J,Chen Y,Lai MD,Li P,Qi LW

In Vivo Effects of Tea Polyphenol Intake on Human Intestinal Microflora and Metabolism.

Bioscience, biotechnology, and biochemistry , Volume: 56 Issue: 4 1992 Jan

Authors Okubo T,Ishihara N,Oura A,Serit M,Kim M,Yamamoto T,Mitsuoka T

Effect of Bifidobacterium upon Clostridium difficile Growth and Toxicity When Co-cultured in Different Prebiotic Substrates.

Frontiers in microbiology , Volume: 7 2016

Authors Valdés-Varela L,Hernández-Barranco AM,Ruas-Madiedo P,Gueimonde M

The effect of berberine hydrochloride on Enterococcus faecalis biofilm formation and dispersion in vitro.

Microbiological research , Volume: 186-187 2016 May-Jun

Authors Chen L,Bu Q,Xu H,Liu Y,She P,Tan R,Wu Y

A proteomic approach towards understanding the cross talk between Bacteroides fragilis and Bifidobacterium longum in coculture.

Canadian journal of microbiology , Volume: 62 Issue: 7 2016 Jul

Authors Ríos-Covián D,Sánchez B,Martínez N,Cuesta I,Hernández-Barranco AM,de Los Reyes-Gavilán CG,Gueimonde M

Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.

Poultry science , Volume: 95 Issue: 11 2016 Nov 1

Authors Forte C,Acuti G,Manuali E,Casagrande Proietti P,Pavone S,Trabalza-Marinucci M,Moscatti L,Onofri A,Lorenzetti C,Franciosi MP

Survey of the Antibiofilm and Antimicrobial Effects of Zingiber officinale (in Vitro Study).

Jundishapur journal of microbiology , Volume: 9 Issue: 2 2016 Feb

- Authors** Aghazadeh M,Zahedi Bialvaei A,Aghazadeh M,Kabiri F,Saliani N,Yousefi M,Eslami H,Samadi Kafil H
Lactobacillus rhamnosus GG Intake Modifies Preschool Children`s Intestinal Microbiota, Alleviates Penicillin-Associated Changes, and Reduces Antibiotic Use.
PloS one , Volume: 11 Issue: 4 2016
Authors Korpela K,Salonen A,Virta LJ,Kumpu M,Kekkonen RA,de Vos WM
Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat`s tissue homogenate.
Pakistan journal of pharmaceutical sciences , Volume: 29 Issue: 2 2016 Mar
Authors Hassan W,Gul S,Rehman S,Kanwal F,Afridi MS,Fazal H,Shah Z,Rahman A,da Rocha JB
In vitro bactericidal activity of promising nutraceuticals for targeting multidrug resistant Pseudomonas aeruginosa.
Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 32 Issue: 7-8 2016 Jul-Aug
Authors Chakotiya AS,Chawla R,Thakur P,Tanwar A,Narula A,Grover SS,Goel R,Arora R,Sharma RK
Effect of Formula Containing Lactobacillus reuteri DSM 17938 on Fecal Microbiota of Infants Born by Cesarean-Section.
Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec
Authors Garcia Rodenas CL,Lepage M,Ngom-Bru C,Fotiau A,Papagaroufalos K,Berger B
Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.
Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec
Authors Berding K,Wang M,Monaco MH,Alexander LS,Mudd AT,Chichlowski M,Waworuntu RV,Berg BM,Miller MJ,Dilger RN,Donovan SM
Probiotics for the Primary and Secondary Prevention of C. difficile Infections: A Meta-analysis and Systematic Review.
Antibiotics (Basel, Switzerland) , Volume: 4 Issue: 2 2015 Apr 13
Authors McFarland LV
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
Lactobacillus reuteri Inhibition of Enteropathogenic Escherichia coli Adherence to Human Intestinal Epithelium.
Frontiers in microbiology , Volume: 7 2016
Authors Walsham AD,MacKenzie DA,Cook V,Wemyss-Holden S,Hews CL,Juge N,Schüller S
Impact of probiotic supplements on microbiome diversity following antibiotic treatment of mice
Gut Microbes , Volume: 7 Issue: 2 2016 Mar 10
Authors Grazul H,Kanda LL,Gondek D
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,Gujka E,Kaczkowska J,Drozdzyńska A,Walkowiak J
Modulation of Gut Microbiota by Berberine Improves Steatohepatitis in High-Fat Diet-Fed BALB/C Mice.
Archives of Iranian medicine , Volume: 19 Issue: 3 2016 Mar
Authors Cao Y,Pan Q,Cai W,Shen F,Chen GY,Xu LM,Fan JG
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
Purification and characteristics of a novel bacteriocin produced by Enterococcus faecalis L11 isolated from Chinese traditional fermented cucumber.
Biotechnology letters , Volume: 38 Issue: 5 2016 May
Authors Gao Y,Li B,Li D,Zhang L
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,Lagkouravos 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

Antimicrobial Properties of a Potential Probiotic Lactobacillus from Thai Newborn Feces.**Journal of the Medical Association of Thailand = Chotmaihet thangphaet** , Volume: 98 Suppl 9 2015 Oct

Authors Chimchang J,Theparee T,Ladda B,Tanasupawat S,Wongsatayanon BT,Taweechotipatr M

Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.**Journal of dairy science** , Volume: 99 Issue: 3 2016 Mar

Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X

Antibacterial Activity of Probiotic Lactobacillus plantarum HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.**Probiotics and antimicrobial proteins** , Volume: 5 Issue: 2 2013 Jun

Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K

Microbial Metabolism Shifts Towards an Adverse Profile with Supplementary Iron in the TIM-2 In vitro Model of the Human Colon.**Frontiers in microbiology** , Volume: 6 2015

Authors Kortman GA,Dutilh BE,Maathuis AJ,Engelke UF,Boekhorst J,Keegan KP,Nielsen FG,Betley J,Weir JC,Kingsbury Z,Kluijtmans LA,Swinkels DW,Venema K,Tjalsma H

Probiotic Characteristics of Lactobacillus plantarum FH185 Isolated from Human Feces.**Korean journal for food science of animal resources** , Volume: 35 Issue: 5 2015

Authors Park SY,Lim SD

The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent.**PloS one** , Volume: 10 Issue: 12 2015

Authors Aktas B,De Wolfe TJ,Tandee K,Safdar N,Darien BJ,Steele JL

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,Yatsuneneko T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J

CHEMICAL COMPOSITION AND ANTIBACTERIAL ACTIVITY OF SOME MEDICINAL PLANTS FROM LAMIACEAE FAMILY.**Acta poloniae pharmaceutica** , Volume: 72 Issue: 4 2015 Jul-Aug

Authors Kozłowska M,Laudy AE,Przybyl J,Ziarno M,Majewska E

Effects of probiotics *Pediococcus acidilactici* strain MA18/5M and *Saccharomyces cerevisiae* subsp. *boulardii* strain SB-CNCM I-1079 on fecal and intestinal microbiota of nursing and weanling piglets.**Journal of animal science** , Volume: 93 Issue: 11 2015 Nov

Authors Brousseau JP,Talbot G,Beaudoin F,Lauzon K,Roy D,Lessard M

Red wine polyphenols modulate fecal microbiota and reduce markers of the metabolic syndrome in obese patients.**Food & function** , Volume: 7 Issue: 4 2016 Apr

Authors Moreno-Indias I,Sánchez-Alcoholado L,Pérez-Martínez P,Andrés-Lacueva C,Cardona F,Tinahones F,Queipo-Ortuño MI

Role of colonic microbiota in colorectal carcinogenesis: a systematic review.**Revista espanola de enfermedades digestivas** , Volume: 107 Issue: 11 2015 Nov

Authors Borges-Canha M,Portela-Cidade JP,Dinis-Ribeiro M,Leite-Moreira AF,Pimentel-Nunes P

Membrane filter method to study the effects of Lactobacillus acidophilus and Bifidobacterium longum on fecal microbiota.**Microbiology and immunology** , Volume: 59 Issue: 11 2015 Nov

Authors Shimizu H,Benno Y

Effect of Bacillus subtilis CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.**Journal of applied microbiology** , Volume: 120 Issue: 1 2016 Jan

Authors Li Y,Xu Q,Huang Z,Lv L,Liu X,Yin C,Yan H,Yuan J

Brevibacillus laterosporus, a Pathogen of Invertebrates and a Broad-Spectrum Antimicrobial Species.**Insects** , Volume: 4 Issue: 3 2013 Sep 5

Authors Rui L

Bacteriocin-producing strains of Lactobacillus plantarum inhibit adhesion of Staphylococcus aureus to extracellular matrix: quantitative insight and implications in antibacterial therapy.**Journal of medical microbiology** , Volume: 64 Issue: 12 2015 Dec

Authors Mukherjee S,Ramesh A

Table grape consumption reduces adiposity and markers of hepatic lipogenesis and alters gut microbiota in butter fat-fed mice.

The Journal of nutritional biochemistry , Volume: 27 2016 Jan

Authors Baldwin J,Collins B,Wolf PG,Martinez K,Shen W,Chuang CC,Zhong W,Cooney P,Cockrell C,Chang E,Gaskins HR,McIntosh MK

Enhanced butyrate formation by cross-feeding between Faecalibacterium prausnitzii and Bifidobacterium adolescentis.
FEMS microbiology letters , Volume: 362 Issue: 21 2015 Nov

Authors Rios-Covian D,Gueimonde M,Duncan SH,Flint HJ,de los Reyes-Gavilan CG

[Effect of probiotic product containing bifidobacteria and biogel from brown algae on the intestinal microflora and parameters of innate immunity in mice with experimental drug dysbacteriosis].

Voprosy pitaniia , Volume: 84 Issue: 1 2015

Authors Kuznetsova TA,Makarenkova ID,Koneva EL,Aminina NM,Yakush EV

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

Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats.

Scientific reports , Volume: 5 2015 Sep 23

Authors Zhang X,Zhao Y,Xu J,Xue Z,Zhang M,Pang X,Zhang X,Zhao L

Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.

The ISME journal , Volume: 10 Issue: 3 2016 Mar

Authors Berni Canani R,Sangwan N,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR

Effects of pre-encapsulated and pro-encapsulated Enterococcus faecalis on growth performance, blood characteristics, and cecal microflora in broiler chickens.

Poultry science , Volume: 94 Issue: 11 2015 Nov

Authors Zhang L,Li J,Yun TT,Qi WT,Liang XX,Wang YW,Li AK

Reutericyclin producing Lactobacillus reuteri modulates development of fecal microbiota in weanling pigs.

Frontiers in microbiology , Volume: 6 2015

Authors Yang Y,Zhao X,Le MH,Zijlstra RT,Gänzle MG

Isoeugenol has a non-disruptive detergent-like mechanism of action.

Frontiers in microbiology , Volume: 6 2015

Authors Hyldgaard M,Mygind T,Piotrowska R,Foss M,Meyer RL

[Lactobacillus rhamnosus GG inhibits Cronobacter-induced meningitis in neonatal rats].

Nan fang yi ke da xue xue bao = Journal of Southern Medical University , Volume: 35 Issue: 8 2015 Aug

Authors Zhong L,Lin R,Long B,Wu X,Fan H

Characterization of the Intestinal Lactobacilli Community following Galactooligosaccharides and Polydextrose Supplementation in the Neonatal Piglet.

PloS one , Volume: 10 Issue: 8 2015

Authors Hoeflinger JL,Kashtanov DO,Cox SB,Dowd SE,Jouni ZE,Donovan SM,Miller MJ

In vitro and in vivo examination of anticolonization of pathogens by Lactobacillus paracasei FJ861111.1.

Journal of dairy science , Volume: 98 Issue: 10 2015 Oct

Authors Deng K,Chen T,Wu Q,Xin H,Wei Q,Hu P,Wang X,Wang X,Wei H,Shah NP

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 JI,Gosalbes MJ,Macià A,Rubià 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

Gelucire-Based Nanoparticles for Curcumin Targeting to Oral Mucosa: Preparation, Characterization, and Antimicrobial Activity Assessment.

Journal of pharmaceutical sciences , Volume: 104 Issue: 11 2015 Nov

Authors Hazzah HA,Farid RM,Nasra MMA,Hazzah WA,El-Massik MA,Abdallah OY

Antibacterial activity and mechanism of berberine against Streptococcus agalactiae.

International journal of clinical and experimental pathology , Volume: 8 Issue: 5 2015

- Authors** Peng L,Kang S,Yin Z,Jia R,Song X,Li L,Li Z,Zou Y,Liang X,Li L,He C,Ye G,Yin L,Shi F,Lv C,Jing B
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
Antibacterial activity of herbal extracts against multi-drug resistant Escherichia coli recovered from retail chicken meat.
- Pakistan journal of pharmaceutical sciences** , Volume: 28 Issue: 4 2015 Jul
Authors Shaheen AY,Sheikh AA,Rabbani M,Aslam A,Bibi T,Liaqat F,Muhammad J,Rehmani SF
In situ identification and quantification of starch-hydrolyzing bacteria attached to barley and corn grain in the rumen of cows fed barley-based diets.
- FEMS microbiology ecology** , Volume: 91 Issue: 8 2015 Aug
Authors Xia Y,Kong Y,Seviour R,Yang HE,Forster R,Vasanthan T,McAllister T
In vitro characterisation of the fermentation profile and prebiotic capacity of gold-fleshed kiwifruit.
- Beneficial microbes** , Volume: 6 Issue: 6 2015
Authors Blatchford P,Bentley-Hewitt KL,Stoklosinski H,McGhie T,Gearry R,Gibson G,Ansell J
In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.
- Journal of microbiology and biotechnology** , Volume: 25 Issue: 9 2015 Sep
Authors Jung TH,Jeon WM,Han KS
Antimicrobial Activity of Pomegranate and Green Tea Extract on Propionibacterium Acnes, Propionibacterium Granulosum, Staphylococcus Aureus and Staphylococcus Epidermidis.
- Journal of drugs in dermatology : JDD** , Volume: 14 Issue: 6 2015 Jun
Authors Li Z,Summanen PH,Downes J,Corbett K,Komoriya T,Henning SM,Kim J,Finegold SM
Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.
- Recent patents on food, nutrition & agriculture** , Volume: 7 Issue: 1 2015
Authors Ozogul Y,Kuley E,Ucar Y,Ozogul F
Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.
- Anaerobe** , Volume: 34 2015 Aug
Authors Li Z,Summanen PH,Komoriya T,Henning SM,Lee RP,Carlson E,Heber D,Finegold SM
Review article: dietary fibre-microbiota interactions.
- Alimentary pharmacology & therapeutics** , Volume: 42 Issue: 2 2015 Jul
Authors Simpson HL,Campbell BJ
Bacillus coagulans GBI-30, 6086 Modulates Faecalibacterium prausnitzii in Older Men and Women.
- The Journal of nutrition** , Volume: 145 Issue: 7 2015 Jul
Authors Nyangale EP,Farmer S,Cash HA,Keller D,Chernoff D,Gibson GR
Oral Microbiota Shift after 12-Week Supplementation with Lactobacillus reuteri DSM 17938 and PTA 5289; A Randomized Control Trial.
- PloS one** , Volume: 10 Issue: 5 2015
Authors Romani Vestman N,Chen T,Lif Holgersson P,Öhman C,Johansson I
Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.
- The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi** , Volume: 65 Issue: 4 2015 Apr
Authors Shadnough M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M
Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets.
- The British journal of nutrition** , Volume: 113 Issue: 10 2015 May 28
Authors Zhong Y,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

Effects of sub-lethal concentrations of thyme and oregano essential oils, carvacrol, thymol, citral and trans-2-hexenal on membrane fatty acid composition and volatile molecule profile of *Listeria monocytogenes*, *Escherichia coli* and *Salmonella enteritidis*.

Food chemistry , Volume: 182 2015 Sep 1

Authors Siroli L, Patrighani F, Gardini F, Lanciotti R

Berberine blocks the relapse of *Clostridium difficile* infection in C57BL/6 mice after standard vancomycin treatment.

Antimicrobial agents and chemotherapy , Volume: 59 Issue: 7 2015 Jul

Authors Lv Z, Peng G, Liu W, Xu H, Su J

Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.

International journal of food microbiology , Volume: 202 2015 Jun 2

Authors Akdemir Evrendilek G

Inhibition of adhesion of intestinal pathogens (*Escherichia coli*, *Vibrio cholerae*, *Campylobacter jejuni*, and *Salmonella Typhimurium*) by common oligosaccharides.

Foodborne pathogens and disease , Volume: 12 Issue: 4 2015 Apr

Authors Wang S, Wang J, Mou H, Luo B, Jiang X

Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.

Nutrients , Volume: 7 Issue: 2 2015 Feb 16

Authors Sheflin AM, Borresen EC, Wdowik MJ, Rao S, Brown RJ, Heuberger AL, Broeckling CD, Weir TL, Ryan EP

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP, Chennappa G, Suraj U, Nagaraja H, Raj AP, Sreenivasa MY

In vitro fermentation of fructooligosaccharides with human gut bacteria.

Food & function , Volume: 6 Issue: 3 2015 Mar

Authors Mao B, Li D, Zhao J, Liu X, Gu Z, Chen YQ, Zhang H, Chen W

The impact of oral consumption of *Lactobacillus plantarum* P-8 on faecal bacteria revealed by pyrosequencing.

Beneficial microbes , Volume: 6 Issue: 4 2015

Authors Kwok LY, Guo Z, Zhang J, Wang L, Qiao J, Hou Q, Zheng Y, Zhang H

Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.

Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun

Authors Wang M, Li M, Wu S, Lebrilla CB, Chapkin RS, Ivanov I, Donovan SM

Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber.

The American journal of clinical nutrition , Volume: 101 Issue: 2 2015 Feb

Authors Vitaglione P, Mennella I, Ferracane R, Rivelles AA, Giacco R, Ercolini D, Gibbons SM, La Stora A, Gilbert JA, Jonnalagadda S, Thielecke F, Gallo MA, Scalfi L, Fogliano V

Antimicrobial and antioxidant activities and chemical characterization of essential oils of *Thymus vulgaris*, *Rosmarinus officinalis*, and *Origanum majorana* from northeastern México.

Pakistan journal of pharmaceutical sciences , Volume: 28 Issue: 1 Suppl 2015 Jan

Authors Guerra-Boone L, Alvarez-Román R, Alvarez-Román R, Salazar-Aranda R, Torres-Cirio A, Rivas-Galindo VM, de-Torres NW, González G, Pérez-López LA

Dietary *Enterococcus faecalis* LAB31 improves growth performance, reduces diarrhea, and increases fecal *Lactobacillus* number of weaned piglets.

PloS one , Volume: 10 Issue: 1 2015

Authors Hu Y, Dun Y, Li S, Zhang D, Peng N, Zhao S, Liang Y

Bioanalytical evaluation of *Cinnamomum zeylanicum* essential oil.

Natural product research , Volume: 29 Issue: 19 2015

Authors Saleem M, Bhatti HN, Jilani MI, Hanif MA

Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed chardonnay grape seed flour.

Journal of agricultural and food chemistry , Volume: 63 Issue: 5 2015 Feb 11

Authors Kim H, Kim DH, Seo KH, Chon JW, Nah SY, Bartley GE, Arvik T, Lipson R, Yokoyama W

Metagenomic insights into the effects of fructo-oligosaccharides (FOS) on the composition of fecal microbiota in mice.

Journal of agricultural and food chemistry , Volume: 63 Issue: 3 2015 Jan 28

Authors Mao B, Li D, Zhao J, Liu X, Gu Z, Chen YQ, Zhang H, Chen W

Nature of the antimicrobial activity of *Lactobacillus casei*, *Bifidobacterium bifidum* and *Bifidobacterium animalis* against foodborne pathogenic and spoilage microorganisms.

Natural product research , Volume: 29 Issue: 22 2015

Authors de Oliveira CP,da Silva JA,de Siqueira-Júnior JP

In situ prebiotics for weaning piglets: in vitro production and fermentation of potato galacto-rhamnogalacturonan.

Applied and environmental microbiology , Volume: 81 Issue: 5 2015 Mar

Authors Strube ML,Ravn HC,Ingerslev HC,Meyer AS,Boye M

Effects of the probiotic *Enterococcus faecium* NCIMB 10415 on selected lactic acid bacteria and enterobacteria in co-culture.

Beneficial microbes , Volume: 6 Issue: 3 2015

Authors Starke IC,Zentek J,Vahjen W

Antimicrobial Effect of *Lactobacillus reuteri* on Cariogenic Bacteria *Streptococcus gordonii*, *Streptococcus mutans*, and Periodontal Diseases *Actinomyces naeslundii* and *Tannerella forsythia*.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 1 2015 Mar

Authors Baca-Castañón ML,De la Garza-Ramos MA,Alcázar-Pizaña AG,Grondin Y,Coronado-Mendoza A,Sánchez-Najera RI,Cárdenas-Estrada E,Medina-De la Garza CE,Escamilla-García E

Effect of *Lactobacillus rhamnosus* hsr/fm 1301 on the Gut Microbiota and Lipid Metabolism in Rats Fed a High-Fat Diet.

Journal of microbiology and biotechnology , Volume: 25 Issue: 5 2015 May

Authors Chen D,Yang Z,Chen X,Huang Y,Yin B,Guo F,Zhao H,Huang J,Wu Y,Gu R

Arabinoxylan in wheat is more responsible than cellulose for promoting intestinal barrier function in weaned male piglets.

The Journal of nutrition , Volume: 145 Issue: 1 2015 Jan

Authors Chen H,Wang W,Degroote J,Possemiers S,Chen D,De Smet S,Michiels J

[The antibacterial activity of cinnamon oil on the selected gram-positive and gram-negative bacteria].

Medycyna doświadczalna i mikrobiologia , Volume: 66 Issue: 2 2014

Authors Urbaniak A,Głowacka A,Kowalczyk E,Lysakowska M,Sienkiewicz M

Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.

PloS one , Volume: 9 Issue: 11 2014

Authors Koleva P,Ketabi A,Valcheva R,Gänzle MG,Dieleman LA

[Determination of the antimicrobial capacity of green tea (*Camellia sinensis*) against the potentially pathogenic microorganisms *Escherichia coli*, *Salmonella enterica*, *Staphylococcus aureus*, *Listeria monocytogenes*, *Candida albicans* and *Aspergillus niger*].

Archivos latinoamericanos de nutrición , Volume: 63 Issue: 3 2013 Sep

Authors Mora A,Pawa J,Chaverri JM,Arias ML

Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with *Lactobacillus paracasei* DG varies among healthy adults.

The Journal of nutrition , Volume: 144 Issue: 11 2014 Nov

Authors Ferrario C,Taverniti V,Milani C,Fiore W,Laureati M,De Noni I,Stuknyte M,Chouaia B,Riso P,Guglielmetti S

The probiotic *Bifidobacterium breve* B632 inhibited the growth of Enterobacteriaceae within colicky infant microbiota cultures.

BioMed research international , Volume: 2014 2014

Authors Simone M,Gozzoli C,Quartieri A,Mazzola G,Di Gioia D,Amaretti A,Raimondi S,Rossi M

Prebiotic effect of an infant formula supplemented with galacto-oligosaccharides: randomized multicenter trial.

Journal of the American College of Nutrition , Volume: 33 Issue: 5 2014

Authors Giovannini M,Verduci E,Gregori D,Ballali S,Soldi S,Ghisleni D,Riva E,PLAGOS Trial Study Group.

Assessment of Bioautography and Spot Screening of TLC of Green Tea (*Camellia*) Plant Extracts as Antibacterial and Antioxidant Agents

Indian Journal of Pharmaceutical Sciences , Volume: 76 Issue: 4 2014 Jul-Aug

Authors Bashir S,Khan BM,Babar M,Andleeb S,Hafeez M,Ali S,Khan MF

Active dry *Saccharomyces cerevisiae* can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.

Journal of dairy science , Volume: 97 Issue: 12 2014 Dec

Authors AlZahal O,Dionissopoulos L,Laarman AH,Walker N,McBride BW

Effect of *Bacillus subtilis* C-3102 spores as a probiotic feed supplement on growth performance, noxious gas emission, and intestinal microflora in broilers.

Poultry science , Volume: 93 Issue: 12 2014 Dec

Authors Jeong JS,Kim IH

Total Phenolic Content and Antibacterial Activity of Five Plants of Labiatae against Four Foodborne and Some Other Bacteria.

Iranian journal of pharmaceutical research : IJPR , Volume: 13 Issue: 2 2014 Spring

Authors Mahboubi A,Kamalinejad M,Ayatollahi AM,Babaeian M

Effect of prebiotics on the fecal microbiota of elderly volunteers after dietary supplementation of *Bacillus coagulans* GBI-30, 6086.

Anaerobe , Volume: 30 2014 Dec

Authors Nyangale EP,Farmer S,Keller D,Chernoff D,Gibson GR

[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

[Synbiotic Lactobacillus acidophilus NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial.](#)

FEMS microbiology ecology , Volume: 90 Issue: 1 2014 Oct

Authors van Zanten GC,Krych L,Röytiö H,Forssten S,Lahtinen SJ,Abu Al-Soud W,Sørensen S,Svensson B,Jespersen L,Jakobsen M

[Effect of traditional leafy vegetables on the growth of lactobacilli and bifidobacteria.](#)

International journal of food sciences and nutrition , Volume: 65 Issue: 8 2014 Dec

Authors Kassim MA,Baijnath H,Odhav B

[Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.](#)

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW,Pinchak WE,Dowd S,Dorton K,Yoon I,Min BR,Fulford JD,Wickersham TA,Malinowski DP

[Coexpression and secretion of endoglucanase and phytase genes in Lactobacillus reuteri.](#)

International journal of molecular sciences , Volume: 15 Issue: 7 2014 Jul 21

Authors Wang L,Yang Y,Cai B,Cao P,Yang M,Chen Y

[Effect of Feeding Bacillus subtilis natto on Hindgut Fermentation and Microbiota of Holstein Dairy Cows.](#)

Asian-Australasian journal of animal sciences , Volume: 27 Issue: 4 2014 Apr

Authors Song DJ,Kang HY,Wang JQ,Peng H,Bu DP

[Fermentable non-starch polysaccharides increases the abundance of Bacteroides-Prevotella-Porphyromonas in ileal microbial community of growing pigs.](#)

Animal : an international journal of animal bioscience , Volume: 8 Issue: 11 2014 Nov

Authors Ivarsson E,Roos S,Liu HY,Lindberg JE

[Free-radical scavenging activity and antibacterial impact of Greek oregano isolates obtained by SFE.](#)

Food chemistry , Volume: 165 2014 Dec 15

Authors Stamenic M,Vulic J,Djilas S,Misic D,Tadic V,Petrovic S,Zizovic I

[Pomegranate extract exhibits in vitro activity against Clostridium difficile.](#)

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 30 Issue: 10 2014 Oct

Authors Finegold SM,Summanen PH,Corbett K,Downes J,Henning SM,Li Z

[Effects of probiotic Enterococcus faecium and Saccharomyces cerevisiae on the faecal microflora of pet rabbits.](#)

The Journal of small animal practice , Volume: 55 Issue: 9 2014 Sep

Authors Benato L,Hastie P,O`Shaughnessy P,Murray JA,Meredith A

[Effects of diet on gut microbiota profile and the implications for health and disease.](#)

Bioscience of microbiota, food and health , Volume: 32 Issue: 1 2013

Authors Lee YK

[Efficacy of Papacarie\(®\) in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.](#)

Clinics (Sao Paulo, Brazil) , Volume: 69 Issue: 5 2014

Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MF

[Effects of probiotics on the growth performance and intestinal micro flora of broiler chickens.](#)

Pakistan journal of pharmaceutical sciences , Volume: 27 Issue: 3 Suppl 2014 May

Authors Li YB,Xu QQ,Yang CJ,Yang X,Lv L,Yin CH,Liu XL,Yan H

[In vitro assessment of marine Bacillus for use as livestock probiotics.](#)

Marine drugs , Volume: 12 Issue: 5 2014 Apr 30

Authors Prieto ML,O`Sullivan L,Tan SP,McLoughlin P,Hughes H,Gutierrez M,Lane JA,Hickey RM,Lawlor PG,Gardiner GE

[Synergetic antimicrobial effects of mixtures of ethiopian honeys and ginger powder extracts on standard and resistant clinical bacteria isolates.](#)

Evidence-based complementary and alternative medicine : eCAM , Volume: 2014 2014

Authors Ewnetu Y,Lemma W,Birhane N

[Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.](#)

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E,Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez C,Martínez-Cuesta MC,Requena T

[Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.](#)

Food & function , Volume: 5 Issue: 6 2014 Jun

Authors Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G

[454 pyrosequencing reveals changes in the faecal microbiota of adults consuming Lactobacillus casei Zhang](#)**FEMS microbiology ecology** , Volume: 88 Issue: 3 2014 Jun

Authors Zhang J,Wang L,Guo Z,Sun Z,Gesudu Q,Kwok L,Menghebilige,Zhang H

[Effects of Lactobacillus plantarum on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.](#)**Canadian journal of microbiology** , Volume: 60 Issue: 4 2014 Apr

Authors Shen X,Yi D,Ni X,Zeng D,Jing B,Lei M,Bian Z,Zeng Y,Li T,Xin J

[In Vitro Antibacterial Mechanism of Action of Crude Garlic \(Allium sativum\) Clove Extract on Selected Probiotic Bifidobacterium Species as Revealed by SEM, TEM, and SDS-PAGE Analysis.](#)**Probiotics and antimicrobial proteins** , Volume: 6 Issue: 2 2014 Jun

Authors Booyens J,Labuschagne MC,Thantsha MS

[A comparison of the anti-Staphylococcus aureus activity of extracts from commonly used medicinal plants.](#)**Journal of alternative and complementary medicine (New York, N.Y.)** , Volume: 20 Issue: 5 2014 May

Authors Snowden R,Harrington H,Morrill K,Jeane L,Garrity J,Orian M,Lopez E,Rezaie S,Hassberger K,Familoni D,Moore J,Virdee K,Albornoz-Sanchez L,Walker M,Cavins J,Russell T,Guse E,Reker M,Tschudy O,Wolf J,True T,Ukaegbu O,Ahaghotu E,Jones A,Polanco S,Rochon Y,Waters R,Langland J

[Antibacterial effect of Iranian green-tea-containing mouthrinse vs chlorhexidine 0.2%: an in vitro study.](#)**Oral health & preventive dentistry** , Volume: 12 Issue: 2 2014

Authors Ardakani MR,Golmohammadi S,Ayremilou S,Taheri S,Daneshvar S,Meimandi M

[Changes chemopreventive markers in colorectal cancer development after inulin supplementation.](#)**Bratislavske lekarske listy** , Volume: 115 Issue: 2 2014

Authors Hijoja E,Szabadosova V,Strojny L,Bomba A

[Evaluation of the efficacy and safety of a marine-derived Bacillus strain for use as an in-feed probiotic for newly weaned pigs.](#)**PloS one** , Volume: 9 Issue: 2 2014

Authors Prieto ML,O'Sullivan L,Tan SP,McLoughlin P,Hughes H,O'Donovan O,Rea MC,Kent RM,Cassidy JP,Gardiner GE,Lawlor PG

[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

[A quantitative assessment of the antimicrobial activity of garlic \(Allium sativum\).](#)**World journal of microbiology & biotechnology** , Volume: 9 Issue: 3 1993 May

Authors Rees LP,Minney SF,Plummer NT,Slater JH,Skyrme DA

[Selective proliferation of intestinal Bacteroides under fucosyllactose supplementation in mice.](#)**The British journal of nutrition** , Volume: 111 Issue: 9 2014 May

Authors Weiss GA,Chassard C,Hennet T

[Lactobacillus paracasei subsp. paracasei LC01 positively modulates intestinal microflora in healthy young adults.](#)**Journal of microbiology (Seoul, Korea)** , Volume: 51 Issue: 6 2013 Dec

Authors Zhang H,Sun J,Liu X,Hong C,Zhu Y,Liu A,Li S,Guo H,Ren F

[Assessment of berberine as a multi-target antimicrobial: a multi-omics study for drug discovery and repositioning.](#)**Omics : a journal of integrative biology** , Volume: 18 Issue: 1 2014 Jan

Authors Karaosmanoglu K,Sayar NA,Kurnaz IA,Akbulut BS

[Effects of a probiotic, Enterococcus faecium, on growth performance, intestinal morphology, immune response, and cecal microflora in broiler chickens challenged with Escherichia coli K88.](#)**Poultry science** , Volume: 92 Issue: 11 2013 Nov

Authors Cao GT,Zeng XF,Chen AG,Zhou L,Zhang L,Xiao YP,Yang CM

[In vitro anti-bacterial and anti-adherence effects of Lactobacillus delbrueckii subsp bulgaricus on Escherichia coli.](#)**Research in pharmaceutical sciences** , Volume: 8 Issue: 4 2013 Oct

Authors Abedi D,Feizizadeh S,Akbari V,Jafarian-Dehkordi A

[Role of probiotics in the prevention and treatment of methicillin-resistant Staphylococcus aureus infections.](#)**International journal of antimicrobial agents** , Volume: 42 Issue: 6 2013 Dec

Authors Sikorska H,Smoragiewicz W

[Probiotic features of two oral Lactobacillus isolates.](#)**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology]** , Volume: 43 Issue: 1 2012 Jan

Authors Zavisic G,Petriccic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I

[Antimicrobial activity of essential oils against vancomycin-resistant enterococci \(vre\) and Escherichia coli o157:h7 in feta soft](#)

cheese and minced beef meat.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 42 Issue: 1
2011 Jan

Authors Selim S

Bacteriocins produced by *L. Fermentum* and *L. Acidophilus* can inhibit cephalosporin resistant *e. Coli*.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 41 Issue: 3
2010 Jul

Authors Riaz S,Kashif Nawaz S,Hasnain S

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

Functional ginger extracts from supercritical fluid carbon dioxide extraction via in vitro and in vivo assays: antioxidation, antimicroorganism, and mice xenografts models.

TheScientificWorldJournal , Volume: 2013 2013

Authors Lee CC,Chiou LY,Wang JY,Chou SY,Lan JC,Huang TS,Huang KC,Wang HM

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

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

Effects of microencapsulated *Enterococcus faecalis* CG1.0007 on growth performance, antioxidation activity, and intestinal microbiota in broiler chickens.

Journal of animal science , Volume: 91 Issue: 9 2013 Sep

Authors Han W,Zhang XL,Wang DW,Li LY,Liu GL,Li AK,Zhao YX

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

Probiotic *Lactobacillus reuteri* attenuates the stressor-enhanced severity of *Citrobacter rodentium* infection.

Infection and immunity , Volume: 81 Issue: 9 2013 Sep

Authors Mackos AR,Eubank TD,Parry NM,Bailey MT

Green tea as an effective antimicrobial for urinary tract infections caused by *Escherichia coli*.

Frontiers in microbiology , Volume: 4 2013

Authors Reygaert W,Jusufi I

Influence of propolis on hygiene, gingival condition, and oral microflora in patients with cleft lip and palate treated with fixed orthodontic appliances.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2013 2013

Authors Machorowska-Pieniazek A,Morawiec T,Mertas A,Tanasiewicz M,Dziedzic A,Król W

Phytochemical Screening and Antimicrobial Activity of Some Medicinal Plants Against Multi-drug Resistant Bacteria from Clinical Isolates.

Indian journal of pharmaceutical sciences , Volume: 74 Issue: 5 2012 Sep

Authors Dahiya P,Purkayastha S

Associations between the human intestinal microbiota, *Lactobacillus rhamnosus* GG and serum lipids indicated by integrated analysis of high-throughput profiling data.

PeerJ , Volume: 1 2013

Authors Lahti L,Salonen A,Kekkonen RA,Salojärvi J,Jalanka-Tuovinen J,Palva A,Orešić M,de Vos WM

Effects of vanillin, quillaja saponin, and essential oils on in vitro fermentation and protein-degrading microorganisms of the rumen.

Applied microbiology and biotechnology , Volume: 98 Issue: 2 2014 Jan

Authors Patra AK,Yu Z

In vitro probiotic properties of *Lactobacillus fermentum* SK5 isolated from vagina of a healthy woman.

Anaerobe , Volume: 22 2013 Aug

Authors Kaewnopparat S,Dangmanee N,Kaewnopparat N,Srichana T,Chulasiri M,Settharaksa S

Fiber and prebiotics: mechanisms and health benefits.

Nutrients , Volume: 5 Issue: 4 2013 Apr 22

Authors Slavin J

Potential antibacterial activity of berberine against multi drug resistant enterovirulent Escherichia coli isolated from yaks (Poephagus grunniens) with haemorrhagic diarrhoea.

Asian Pacific journal of tropical medicine , Volume: 6 Issue: 4 2013 Apr 13

Authors Bandyopadhyay S,Patra PH,Mahanti A,Mondal DK,Dandapat P,Bandyopadhyay S,Samanta I,Lodh C,Bera AK,Bhattacharyya D,Sarkar M,Baruah KK

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

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

Metagenomic analyses of alcohol induced pathogenic alterations in the intestinal microbiome and the effect of Lactobacillus rhamnosus GG treatment.

PloS one , Volume: 8 Issue: 1 2013

Authors Bull-Otterson L,Feng W,Kirpich I,Wang Y,Qin X,Liu Y,Gobejishvili L,Joshi-Barve S,Ayvaz T,Petrosino J,Kong M,Barker D,McClain C,Barve S

Decontamination of Salmonella, Shigella, and Escherichia coli O157:H7 from leafy green vegetables using edible plant extracts.

Journal of food science , Volume: 78 Issue: 2 2013 Feb

Authors Orue N,García S,Feng P,Heredia N

In vitro antimicrobial assessment of Cuban propolis extracts.

Memorias do Instituto Oswaldo Cruz , Volume: 107 Issue: 8 2012 Dec

Authors Monzote L,Cuesta-Rubio O,Campo Fernandez M,Márquez Hernandez I,Fraga J,Pérez K,Kerstens M,Maes L,Cos P

The inhibitory effect of polyphenols on human gut microbiota.

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 63 Issue: 5 2012 Oct

Authors Duda-Chodak A

AFM probing the mechanism of synergistic effects of the green tea polyphenol (-)-epigallocatechin-3-gallate (EGCG) with cefotaxime against extended-spectrum beta-lactamase (ESBL)-producing Escherichia coli.

PloS one , Volume: 7 Issue: 11 2012

Authors Cui Y,Kim SH,Kim H,Yeom J,Ko K,Park W,Park S

Synergistic effects of honey and propolis toward drug multi-resistant Staphylococcus aureus, Escherichia coli and Candida albicans isolates in single and polymicrobial cultures.

International journal of medical sciences , Volume: 9 Issue: 9 2012

Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K

In vitro fermentation of commercial a-gluco-oligosaccharide by faecal microbiota from lean and obese human subjects.

The British journal of nutrition , Volume: 109 Issue: 11 2013 Jun

Authors Sarbini SR,Kolida S,Gibson GR,Rastall RA

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

Chemical composition, olfactory analysis and antibacterial activity of *Thymus vulgaris* chemotypes geraniol, 4-thujanol/terpinen-4-ol, thymol and linalool cultivated in southern France.

Natural product communications , Volume: 7 Issue: 8 2012 Aug

Authors Schmidt E,Wanner J,Hiiferl M,Jirovetz L,Buchbauer G,Gochev V,Girova T,Stoyanova A,Geissler M

Assessment of the in vitro inhibitory activity of specific probiotic bacteria against different *Escherichia coli* strains.

Journal of clinical gastroenterology , Volume: 46 Suppl 2012 Oct

Authors Mogna L,Del Piano M,Deidda F,Nicola S,Soattini L,Debiaggi R,Sforza F,Strozzi G,Mogna G

Effects of green tea consumption on human fecal microbiota with special reference to *Bifidobacterium* species.

Microbiology and immunology , Volume: 56 Issue: 11 2012 Nov

Authors Jin JS,Touyama M,Hisada T,Benno Y

Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.

Journal of dairy science , Volume: 95 Issue: 9 2012 Sep

Authors Wang S,Zhu H,Lu C,Kang Z,Luo Y,Feng L,Lu X

The inhibitory activity of tyfified propolis against *Enterococcus* species.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 67 Issue: 5-6 2012 May-Jun

Authors Moncla BJ,Guevara PW,Wallace JA,Marcucci MC,Nor JE,Bretz WA

Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.

PloS one , Volume: 7 Issue: 8 2012

Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L

Effect of berberine on *Escherichia coli*, *Bacillus subtilis*, and their mixtures as determined by isothermal microcalorimetry.

Applied microbiology and biotechnology , Volume: 96 Issue: 2 2012 Oct

Authors Kong WJ,Xing XY,Xiao XH,Zhao YL,Wei JH,Wang JB,Yang RC,Yang MH

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

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,Egli I,Chassard C,Lacroix C,Hurrell R

Green tea increases the survival yield of *Bifidobacteria* in simulated gastrointestinal environment and during refrigerated conditions.

Chemistry Central journal , Volume: 6 Issue: 1 2012 Jun 22

Authors Vodnar DC,Socaciu C

Report: Studies on antibacterial activity of some traditional medicinal plants used in folk medicine.

Pakistan journal of pharmaceutical sciences , Volume: 25 Issue: 3 2012 Jul

Authors Israr F,Hassan F,Naqvi BS,Azhar I,Jabeen S,Hasan SM

Synthesis and evaluation of antimicrobial activity of 4H-pyrimido[2,1-b]benzothiazole, pyrazole and benzylidene derivatives of curcumin.

European journal of medicinal chemistry , Volume: 54 2012 Aug

Authors Sahu PK,Sahu PK,Gupta SK,Thavaselvam D,Agarwal DD

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 chitooligosaccharides on human colonic bacteria.

Folia microbiologica , Volume: 57 Issue: 4 2012 Jul

Authors Simunek J,Brandysová V,Koppová I,Simunek J Jr

Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal inflammation and Smad 7 cell signaling.

FEMS immunology and medical microbiology , Volume: 65 Issue: 3 2012 Aug

Authors Foye OT,Huang IF,Chiou CC,Walker WA,Shi HN

Effect of garlic powder on the growth of commensal bacteria from the gastrointestinal tract.

Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 19 Issue: 8-9 2012 Jun 15

Authors Filocamo A,Nueno-Palop C,Bisignano C,Mandalari G,Narbad A

Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr

Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM

Changes in gut microbiota in children with atopic dermatitis administered the bacteria Lactobacillus casei DN-114001.

Polish journal of microbiology , Volume: 60 Issue: 4 2011

Authors Klewicka E,Cukrowska B,Libudzisz Z,Slizewska K,Motyl I

Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.

The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14

Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA

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

Antioxidant and antibacterial properties of green, black, and herbal teas of Camellia sinensis.

Pharmacognosy research , Volume: 3 Issue: 4 2011 Oct

Authors Chan EW,Soh EY,Tie PP,Law YP

The antimicrobial activity of essential oils and extracts of some medicinal plants grown in Ash-shoubak region - South of Jordan.

Pakistan journal of pharmaceutical sciences , Volume: 25 Issue: 1 2012 Jan

Authors Abu-Darwish MS,Al-Ramamneh EA,Kyslychenko VS,Karpiuk UV

Effect of the oral intake of yogurt containing Bifidobacterium longum BB536 on the cell numbers of enterotoxigenic Bacteroides fragilis in microbiota.

Anaerobe , Volume: 18 Issue: 1 2012 Feb

Authors Odamaki T,Sugahara H,Yonezawa S,Yaeshima T,Iwatsuki K,Tanabe S,Tominaga T,Togashi H,Benno Y,Xiao JZ

Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut.

Journal of agricultural and food chemistry , Volume: 59 Issue: 24 2011 Dec 28

Authors Vendrame S,Guglielmetti S,Riso P,Arioli S,Klimis-Zacas D,Porrini M

Synergistic antimicrobial activities of natural essential oils with chitosan films.

Journal of agricultural and food chemistry , Volume: 59 Issue: 23 2011 Dec 14

Authors Wang L,Liu F,Jiang Y,Chai Z,Li P,Cheng Y,Jing H,Leng X

In-vitro antimicrobial activity and synergistic/antagonistic effect of interactions between antibiotics and some spice essential oils.

Journal of environmental biology , Volume: 32 Issue: 1 2011 Jan

Authors Toroglu S

Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.

Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C

Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice.

PloS one , Volume: 6 Issue: 6 2011

Authors Neyrinck AM,Possemiers S,Druart C,De Wiele T,De Backer F,Cani PD,Larondelle Y,Delzenne NM

Effect of banana consumption on faecal microbiota: a randomised, controlled trial.

Anaerobe , Volume: 17 Issue: 6 2011 Dec

Authors Mitsou EK,Kougia E,Nomikos T,Yannakoulia M,Mountzouris KC,Kyriacou A

Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.

Pharmaceutical biology , Volume: 49 Issue: 4 2011 Apr

Authors Ozcelik 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

Rhinoscleroma: an updated experience through the last 10 years.

Acta oto-laryngologica , Volume: 131 Issue: 4 2011 Apr

Authors Gaafar HA,Gaafar AH,Nour YA

Development of biosensor-based assays to identify anti-infective oligosaccharides.

Analytical biochemistry , Volume: 410 Issue: 2 2011 Mar 15

Authors Lane JA,Mehra RK,Carrington SD,Hickey RM

Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.

Molecules (Basel, Switzerland) , Volume: 15 Issue: 11 2010 Oct 27

Authors Sokovic M,Glamoclija J,Marin PD,Brkic D,van Griensven LJ

The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote d'Ivoire.

The American journal of clinical nutrition , Volume: 92 Issue: 6 2010 Dec

Authors Zimmermann MB,Chassard C,Rohner F,N'goran EK,Nindjin C,Dostal A,Utzinger J,Ghattas H,Lacroix C,Hurrell RF

Effect of β -glucanase and xylanase supplementation of barley- and rye-based diets on caecal microbiota of broiler chickens.

British poultry science , Volume: 51 Issue: 4 2010 Aug

Authors Jozefiak D,Rutkowski A,Kaczmarek S,Jensen BB,Engberg RM,Højberg O

Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.

Food microbiology , Volume: 27 Issue: 7 2010 Oct

Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P

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

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

Probiotics have clinical, microbiologic, and immunologic efficacy in acute infectious diarrhea.

The Pediatric infectious disease journal , Volume: 29 Issue: 2 2010 Feb

Authors Chen CC,Kong MS,Lai MW,Chao HC,Chang KW,Chen SY,Huang YC,Chiu CH,Li WC,Lin PY,Chen CJ,Li TY

Antimicrobial properties of green tea catechins.

Food science and technology bulletin , Volume: 2 2005

Authors Taylor PW,Hamilton-Miller JM,Stapleton PD

Lactobacillus delbrueckii ssp. bulgaricus B-30892 can inhibit cytotoxic effects and adhesion of pathogenic Clostridium difficile to Caco-2 cells.

Gut pathogens , Volume: 1 Issue: 1 2009 Apr 27

Authors Banerjee P,Merkel GJ,Bhunia AK

In vitro effects of selected synbiotics on the human faecal microbiota composition.

FEMS microbiology ecology , Volume: 66 Issue: 3 2008 Dec

Authors Saulnier DM,Gibson GR,Kolida S

Therapeutic potential of two probiotics in inflammatory bowel disease as observed in the trinitrobenzene sulfonic acid model of colitis.

Diseases of the colon and rectum , Volume: 51 Issue: 12 2008 Dec

Authors Amit-Romach E,Uni Z,Reifen R

Effect of thymol on microbial diversity in the porcine jejunum.

International journal of food microbiology , Volume: 126 Issue: 1-2 2008 Aug 15

Authors Janczyk P,Trevisi P,Souffrant WB,Bosi P

Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal

bacteria.

Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug

Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG

A study of chemical composition and antimicrobial activity of Bulgarian propolis.

Folia medica , Volume: 49 Issue: 3-4 2007

Authors Gardjeva PA,Dimitrova SZ,Kostadinov ID,Murdjeva MA,Peyche LP,Lukanov LK,Stanimirova IV,Alexandrov AS

In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.

FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun

Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA

The antimicrobial efficacy of plant essential oil combinations and interactions with food ingredients.

International journal of food microbiology , Volume: 124 Issue: 1 2008 May 10

Authors Gutierrez J,Barry-Ryan C,Bourke P

Baseline microbiota activity and initial bifidobacteria counts influence responses to prebiotic dosing in healthy subjects.

Alimentary pharmacology & therapeutics , Volume: 27 Issue: 6 2008 Mar 15

Authors de Preter V,Vanhoutte T,Huys G,Swings J,Rutgeerts P,Verbeke K

Inhibitory activity of garlic (Allium sativum) extract on multidrug-resistant Streptococcus mutans.

Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 25 Issue: 4 2007 Oct-Dec

Authors Fani MM,Kohanteb J,Dayaghi M

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

Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.

Journal of agricultural and food chemistry , Volume: 55 Issue: 11 2007 May 30

Authors López P,Sánchez C,Batlle R,Nerín C

Jerusalem artichoke and chicory inulin in bakery products affect faecal microbiota of healthy volunteers.

The British journal of nutrition , Volume: 98 Issue: 3 2007 Sep

Authors Kleessen B,Schwarz S,Boehm A,Fuhrmann H,Richter A,Henle T,Krueger M

Impact of consumption of different levels of Bifidobacterium lactis HN019 on the intestinal microflora of elderly human subjects.

The journal of nutrition, health & aging , Volume: 11 Issue: 1 2007 Jan-Feb

Authors Ahmed M,Prasad J,Gill H,Stevenson L,Gopal P

Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.

Asia Pacific journal of clinical nutrition , Volume: 16 Issue: 1 2007

Authors Kim SH,Lee DH,Meyer D

Physiological effects of extraction juices from apple, grape, and red beet pomaces in rats.

Journal of agricultural and food chemistry , Volume: 54 Issue: 26 2006 Dec 27

Authors Sembries S,Dongowski G,Mehrländer K,Will F,Dietrich H

Effects of Bifidobacterium lactis Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.

Journal of clinical microbiology , Volume: 44 Issue: 11 2006 Nov

Authors Mohan R,Koebnick C,Schildt J,Schmidt S,Mueller M,Possner M,Radke M,Blaut M

In vitro activity of Bulgarian propolis against 94 clinical isolates of anaerobic bacteria.

Anaerobe , Volume: 12 Issue: 4 2006 Aug

Authors Boyanova L,Kolarov R,Gergova G,Mitov I

Probiotic properties of vaginal lactic acid bacteria to prevent metritis in cattle.

Letters in applied microbiology , Volume: 43 Issue: 1 2006 Jul

Authors Otero MC,Morelli L,Nader-Macías ME

Bioassay-guided purification and identification of antimicrobial components in Chinese green tea extract.

Journal of chromatography. A , Volume: 1125 Issue: 2 2006 Sep 1

Authors Si W,Gong J,Tsao R,Kalab M,Yang R,Yin Y

Antagonistic activity of probiotic lactobacilli and bifidobacteria against entero- and uropathogens.

Journal of applied microbiology , Volume: 100 Issue: 6 2006 Jun

Authors Hütt P,Shchepetova J,Löivukene K,Kullisaar T,Mikelsaar M

Antimicrobial and antiplasmodial activities of essential oils.**Fitoterapia** , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z,Molnar J,Hohmann J

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

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

Chemical compositions and antimicrobial activities of four different Anatolian propolis samples.**Microbiological research** , Volume: 160 Issue: 2 2005

Authors Uzel A,Sorkun K,Onçag O,Cogulu D,Gençay O,Salih B

Chemical composition and antibacterial activity of propolis collected by three different races of honeybees in the same region.**Journal of ethnopharmacology** , Volume: 99 Issue: 1 2005 May 13

Authors Silici S,Kutluca S

Microbiological effects of consuming a synbiotic containing Bifidobacterium bifidum, Bifidobacterium lactis, and oligofructose in elderly persons, determined by real-time polymerase chain reaction and counting of viable bacteria.**Clinical infectious diseases : an official publication of the Infectious Diseases Society of America** , Volume: 40 Issue: 1 2005 Jan 1

Authors Bartosch S,Woodmansey EJ,Paterson JC,McMurdo ME,Macfarlane GT

Chemical compositions and antibacterial effects of essential oils of Turkish oregano (Origanum minutiflorum), bay laurel (Laurus nobilis), Spanish lavender (Lavandula stoechas L.), and fennel (Foeniculum vulgare) on common foodborne pathogens.**Journal of agricultural and food chemistry** , Volume: 52 Issue: 26 2004 Dec 29

Authors Dadalioglu I,Evrendilek GA

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

Effects of feeding a probiotic preparation (SIM) containing inulin on the severity of colitis and on the composition of the intestinal microflora in HLA-B27 transgenic rats.**Clinical and diagnostic laboratory immunology** , Volume: 11 Issue: 3 2004 May

Authors Schultz M,Munro K,Tannock GW,Melchner I,Göttl C,Schwietz H,Schölmerich J,Rath HC

Antimicrobial activity of extracts of local cough mixtures on upper respiratory tract bacterial pathogens.**The West Indian medical journal** , Volume: 52 Issue: 3 2003 Sep

Authors Adeleye IA,Opiah L

Influence of ginger rhizome (Zingiber officinale Rosc) on survival, glutathione and lipid peroxidation in mice after whole-body exposure to gamma radiation.**Radiation research** , Volume: 160 Issue: 5 2003 Nov

Authors Jagetia GC,Baliga MS,Venkatesh P,Ulloor JN

Lactose utilization in Klebsiella pneumoniae: the slow utilization of lactose by resting cells of lactose fermenting strains.**Journal of bacteriology** , Volume: 70 Issue: 1 1955 Jul

Authors CABELLI VJ

The significance of lactose fermentation and its relationship to resistance in Klebsiella pneumoniae.**Journal of bacteriology** , Volume: 66 Issue: 4 1953 Oct

Authors CABELLI VJ,PICKETT MJ

The effect of Lactobacillus rhamnosus on enterohemorrhagic Escherichia coli infection of human intestinal cells in vitro.**Microbiology and immunology** , Volume: 47 Issue: 6 2003

Authors Hirano J,Yoshida T,Sugiyama T,Koide N,Mori I,Yokochi T

The suppressive effect of bifidobacteria on Bacteroides vulgatus, a putative pathogenic microbe in inflammatory bowel disease.**Microbiology and immunology** , Volume: 47 Issue: 6 2003

Authors Shiba T,Aiba Y,Ishikawa H,Ushiyama A,Takagi A,Mine T,Koga Y

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

Antimicrobial activity of berberine—a constituent of Mahonia aquifolium.

Folia microbiologica , Volume: 47 Issue: 4 2002

Authors Cernáková M,Kostálová D

Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.

Applied and environmental microbiology , Volume: 68 Issue: 10 2002 Oct

Authors Apajalahti JH,Kettunen H,Kettunen A,Holben WE,Nurminen PH,Rautonen N,Mutanen M

Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.

The British journal of nutrition , Volume: 88 Suppl 1 2002 Sep

Authors Bomba A,Nemcová R,Gancarcíková S,Herich R,Guba P,Mudronová D

Aberrant composition of gut microbiota of allergic infants: a target of bifidobacterial therapy at weaning?

Gut , Volume: 51 Issue: 1 2002 Jul

Authors Kirjavainen PV,Arvola T,Salminen SJ,Isolauri E

Screening of the antibacterial effects of a variety of essential oils on respiratory tract pathogens, using a modified dilution assay method.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 7 Issue: 4 2001 Dec

Authors Inouye S,Yamaguchi H,Takizawa T

Prebiotic treatment of experimental colitis with germinated barley foodstuff: a comparison with probiotic or antibiotic treatment.

International journal of molecular medicine , Volume: 9 Issue: 1 2002 Jan

Authors Fukuda M,Kanauchi O,Araki Y,Andoh A,Mitsuyama K,Takagi K,Toyonaga A,Sata M,Fujiyama Y,Fukuoka M,Matsumoto Y,Bamba T

Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.

The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug

Authors Kleessen B,Hartmann L,Blaut M

Enrichment of bifidobacteria in the hen caeca by dietary inulin.

Folia microbiologica , Volume: 46 Issue: 1 2001

Authors Rada V,Dusková D,Marounek M,Petr J

Suppressive effects of bifidobacteria on lipid peroxidation in the colonic mucosa of iron-overloaded mice.

Journal of dairy science , Volume: 84 Issue: 7 2001 Jul

Authors Ito M,Sawada H,Ohishi K,Yoshida Y,Yokoi W,Watanabe T,Yokokura T

In vitro activity of garlic oil and four diallyl sulphides against antibiotic-resistant Pseudomonas aeruginosa and Klebsiella pneumoniae.

The Journal of antimicrobial chemotherapy , Volume: 47 Issue: 5 2001 May

Authors Tsao S,Yin M

Probiotic activities of Lactobacillus casei rhamnosus: in vitro adherence to intestinal cells and antimicrobial properties.

Research in microbiology , Volume: 152 Issue: 2 2001 Mar

Authors Forestier C,De Champs C,Vatoux C,Joly B

Egyptian propolis: 1-antimicrobial activity and chemical composition of Upper Egypt propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 56 Issue: 1-2 2001 Jan-Feb

Authors Hegazi AG,El Hady FK

Phenolic compounds from Brazilian propolis with pharmacological activities.

Journal of ethnopharmacology , Volume: 74 Issue: 2 2001 Feb

Authors Marcucci MC,Ferreres F,García-Viguera C,Bankova VS,De Castro SL,Dantas AP,Valente PH,Paulino N

Probiotics in foods not containing milk or milk constituents, with special reference to Lactobacillus plantarum 299v.

The American journal of clinical nutrition , Volume: 73 Issue: 2 Suppl 2001 Feb

Authors Molin G

Study on propolis quality from China and Uruguay.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 9-10 2000 Sep-Oct

Authors Serra Bonvehí J,Ventura Coll F

Seasonal effect on Brazilian propolis antibacterial activity.

Journal of ethnopharmacology , Volume: 73 Issue: 1-2 2000 Nov

Authors Sforzin JM,Fernandes A Jr,Lopes CA,Bankova V,Funari SR

Screening of some Palestinian medicinal plants for antibacterial activity.

Journal of ethnopharmacology , Volume: 70 Issue: 3 2000 Jun

Authors Essawi T,Srour M

Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.

Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May

Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG

Chemical composition and antimicrobial activity of European propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 1-2 2000 Jan-Feb

Authors Hegazi AG,Abd El Hady FK,Abd Allah FA

Antibacterial activity of garlic powder against Escherichia coli O-157.

Journal of nutritional science and vitaminology , Volume: 45 Issue: 6 1999 Dec

Authors Sasaki J,Kita T,Ishita K,Uchisawa H,Matsue H

Antimicrobial activity of essential oils and other plant extracts.

Journal of applied microbiology , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA,Carson CF,Riley TV

Changes in fecal microflora induced by intubation of mice with Bacillus subtilis (natto) spores are dependent upon dietary components.

Canadian journal of microbiology , Volume: 45 Issue: 1 1999 Jan

Authors Hosoi T,Ametani A,Kiuchi K,Kaminogawa S

Does probiotics administration decrease serum endotoxin levels in infants?

Journal of pediatric surgery , Volume: 34 Issue: 2 1999 Feb

Authors Urao M,Fujimoto T,Lane GJ,Seo G,Miyano T

Increased growth of Bifidobacterium and Eubacterium by germinated barley foodstuff, accompanied by enhanced butyrate production in healthy volunteers.

International journal of molecular medicine , Volume: 3 Issue: 2 1999 Feb

Authors Kanauchi O,Fujiyama Y,Mitsuyama K,Araki Y,Ishii T,Nakamura T,Hitomi Y,Agata K,Saiki T,Andoh A,Toyonaga A,Bamba T

The effect of consumption of milk fermented by Lactobacillus casei strain Shirota on the intestinal microflora and immune parameters in humans.

European journal of clinical nutrition , Volume: 52 Issue: 12 1998 Dec

Authors Spanhaak S,Havenaar R,Schaafsma G

Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.

Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct

Authors Sghir A,Chow JM,Mackie RI

The colonization of a simulator of the human intestinal microbial ecosystem by a probiotic strain fed on a fermented oat bran product: effects on the gastrointestinal microbiota.

Applied microbiology and biotechnology , Volume: 50 Issue: 2 1998 Aug

Authors Kontula P,Jaskari J,Nollet L,De Smet I,von Wright A,Poutanen K,Mattila-Sandholm T

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

Antimicrobial evaluation of some plants used in Mexican traditional medicine for the treatment of infectious diseases.

Journal of ethnopharmacology , Volume: 53 Issue: 3 1996 Sep

Authors Navarro V,Villarreal ML,Rojas G,Lozoya X

Purification and characterization of a component produced by Lactobacillus fermentum that inhibits the adhesion of K88 expressing Escherichia coli to porcine ileal mucus.

The Journal of applied bacteriology , Volume: 80 Issue: 3 1996 Mar

Authors Ouwehand AC,Conway PL

Antimicrobial and antioxidant activities of unripe papaya.

Life sciences , Volume: 53 Issue: 17 1993

Authors Osato JA,Santiago LA,Remo GM,Cuadra MS,Mori A

Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture.

FEMS microbiology letters , Volume: 118 Issue: 1-2 1994 May 1

Authors Gibson GR,Wang X

[Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin.](#)

Gastroenterology , Volume: 108 Issue: 4 1995 Apr

Authors Gibson GR,Beatty ER,Wang X,Cummings JH

[The effect of a probiotic on faecal and liver lipid classes in rats.](#)

The British journal of nutrition , Volume: 73 Issue: 5 1995 May

Authors Fukushima M,Nakano M

[Prevention of Clostridium difficile induced mortality in gnotobiotic mice by Saccharomyces boulardii.](#)

Canadian journal of microbiology , Volume: 32 Issue: 11 1986 Nov

Authors Corthier G,Dubos F,Ducluzeau R

[Suppression by Saccharomyces boulardii of toxigenic Clostridium difficile overgrowth after vancomycin treatment in hamsters.](#)

Antimicrobial agents and chemotherapy , Volume: 31 Issue: 1 1987 Jan

Authors Elmer GW,McFarland LV

[Treatment of recurrent Clostridium difficile colitis with vancomycin and Saccharomyces boulardii.](#)

The American journal of gastroenterology , Volume: 84 Issue: 10 1989 Oct

Authors Surawicz CM,McFarland LV,Elmer G,Chinn J

[\[Antibacterial and bactericidal activities of Japanese green tea\].](#)

Nihon saikingaku zasshi. Japanese journal of bacteriology , Volume: 44 Issue: 4 1989 Jul

Authors Toda M,Okubo S,Ohnishi R,Shimamura T

[Prevention of further recurrences of Clostridium difficile colitis with Saccharomyces boulardii.](#)

Digestive diseases and sciences , Volume: 35 Issue: 7 1990 Jul

Authors Kimmey MB,Elmer GW,Surawicz CM,McFarland LV

[Prevention of Clostridium difficile-induced experimental pseudomembranous colitis by Saccharomyces boulardii: a scanning electron microscopic and microbiological study.](#)

Journal of general microbiology , Volume: 136 Issue: 6 1990 Jun

Authors Castex F,Corthier G,Jouvert S,Elmer GW,Lucas F,Bastide M

[Diet and faecal flora in the newborn: iron.](#)

Archives of disease in childhood , Volume: 66 Issue: 12 1991 Dec

Authors Balmer SE,Wharton BA

[Immunomodulatory action of propolis: IV. Prophylactic activity against gram-negative infections and adjuvant effect of the water-soluble derivative.](#)

Vaccine , Volume: 10 Issue: 12 1992

Authors Dimov V,Ivanovska N,Bankova V,Popov S

[\[Antimicrobial and microbicidal activities of tea and catechins against Mycoplasma\].](#)

Kansenshogaku zasshi. The Journal of the Japanese Association for Infectious Diseases , Volume: 66 Issue: 5 1992 May

Authors Chosa H,Toda M,Okubo S,Hara Y,Shimamura T

[R-plasmid linked lactose fermentation in Klebsiella pneumoniae.](#)

The Indian journal of medical research , Volume: 70 1979 Nov

Authors Walia SK,Chugh TD,Sharma KB,Bhat MB

[Effects of probiotic Enterococcus faecium NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing](#)

Animal Feed Science and Technology , Volume: 201 2015 Mar

Authors Edward Alain B.Pajarillo,Dae-Kyung Kang,Chan-Soo Park,Hyeun Bum Kim,Marilen P Balolong

[Additional sources and private correspondance](#)

Private Correspondance , Volume: 1 Issue: 2018

[Curated database of commensal, symbiotic and pathogenic microbiota](#)

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

[Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas](#)

The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1

Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

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