

Microbiome Information for: Intracranial aneurysms

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/>)

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Intracranial aneurysms

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
Alphaproteobacteria	class	Low	28211	Fusobacterium	genus	High	848
Clostridia	class	Low	186801	Howardella	genus	Low	404402
Fusobacteria	class	Low	203490	Lactobacillus	genus	Low	1578
Oscillospiraceae	family	High	216572	Parabacteroides	genus	High	375288
Rikenellaceae	family	High	171550	Romboutsia	genus	Low	1501226
Veillonellaceae	family	Low	31977	Ruminococcus	genus	High	1263
Allisonella	genus	Low	209879	Ruthenibacterium	genus	High	1905344
Anaerofilum	genus	Low	52784	Terrisporobacter	genus	Low	1505652
Anaerotruncus	genus	High	244127	Eubacteriales	order	High	186802
Bacteroides	genus	High	816	Rhodospirillales	order	Low	204441
Blautia	genus	High	572511	Campylobacter concisus	species	High	199
Collinsella	genus	Low	102106	Campylobacter gracilis	species	High	824
Coprococcus	genus	Low	33042	Campylobacter hominis	species	High	76517
Eubacterium	genus	Low	1730	Campylobacter ureolyticus	species	High	827
Faecalibacterium	genus	Low	216851	Hungatella hathewayi	species	Low	154046
Fournierella	genus	High	1940255	Prevotella intermedia	species	High	28131
				Streptococcus mitis	species	High	28037

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-

a]quinolizinium {Berberine} 1.5 gram/day

2H-1?6,2-benzothiazol-1,1,3-trione {Saccharin} 450 mg/day

5,7-Dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one
{Apigenin }

Abstention from eating {Fasting}

Agaricus bisporus {White button mushrooms}

Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}

cellulose

Curcuma amada {Mango ginger}

Dextrin 40 gram/day

D-glucose {Glucose}

Diferuloylmethane {Curcumin} 3 gram/day

Epicatechin {Green tea polyphenol}

Ethyl alcohol {Grain alcohol}

Ferum {Iron Supplements} 400 mg/day

fucoidan {Brown Algae Extract} 8.8 gram/day

Ganoderma sichuanense {Reishi Mushroom} 3.4 gram/day

Heyndrickxia coagulans {B. coagulans} 10 BCFU/day

Linum usitatissimum {Flaxseed} 30 mg/day

N-(phosphonomethyl)glycine {glyphosate}

partially hydrolysed guar gum

Phaseolus vulgaris {Boston bean}

Polydextrose {polydextrose}

Pulses, Beans

Pulvis ledebouriellae compositae {Bofutsushosan}

resistant starch

Sodium Chloride {Salt}

Sus domesticus {Pork}

Tributylin

Retail Probiotics

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

Biomed / Bacillus Coagulans
nature's way (au) / adult vita gummies daily probiotic 80s
source naturals / duraflora
thorne / bacillus coagulansvet 60 caps
schiff / digestive advantage
daiichi sankyo healthcare (jp) / panlacmin tablet
Bromatech (IT) / Serobiome
Bulk Probiotics / Bacillus Coagulans Probiotic
Ombre / Harmony

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

Substance to Consider Reducing or Eliminating

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

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

(2->1)-beta-D-fructofuranan {Inulin}	Hordeum vulgare {Barley}
(2E,4E,6E,8E)-3,7-dimethyl-9(2,6,6-trimethylcyclohex-1-en-1-yl)nona-2,4,6,8-tetraen-1-ol {Vitamin A}	Lactocaseibacillus casei {L. casei}
(2S)-2-amino-5-carbamimidamidopentanoic acid {arginine}	Lactocaseibacillus paracasei {L.paracasei}
2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4H-chromen-4-one {Luteolin}	Lactocaseibacillus paracasei shirota {Yakult}
3,3',4',5,7-pentahydroxyflavone {Quercetin}	Lactobacillus delbrueckii subsp. bulgaricus {L. bulgaricus}
Amorphophallus konjac {Konjaku flour}	Lactobacillus plantarum {L. plantarum}
Arthrospira platensis {Spirulina}	Ligilactobacillus salivarius {L. salivarius}
Avena sativa {Oats}	Limosilactobacillus fermentum {L. fermentum}
Avena sativa x Hordeum vulgare {barley,oat}	Morus {Mulberry }
bacillus	oligosaccharides {oligosaccharides}
bacillus licheniformis {b. licheniformis}	Panax ... {Ginseng}
bacillus subtilis {B.Subtilis }	pectin {pectin}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Pediococcus pentosaceus {P. pentosaceus}
Beta vulgaris {Beet}	polyphenols
Bifidobacterium animalis subsp. lactis {B. Lactis}	Probiotic Mixture 2 {Vetafarm Probiotic}
bifidobacterium bifidum {B. bifidum}	pseudo-cereals {amaranth,quinoa, taro,buckwheat}
Bovine Milk Products {Dairy}	red wine polyphenols
Cichorium intybus {Chicory}	resveratrol-pterostilbene {grapes, blueberries}
Clostridium butyricum MIYAIRI 588 {Miyarisan}	resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}
Codonopsis pilosula {Dangshen}	rosmarinus officinalis {rosemary}
Dodecanoic acid {Lauric acid}	synthetic disaccharide derivative of lactose {Lactulose}
fructo-oligosaccharides	Thymus vulgaris {thyme}
fruit	walnuts
Grape Polyphenols {Grape Flavonoids}	yogurt
	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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

Causal relationship between gut microbiota and intracranial hemorrhage: A two-sample Mendelian randomization study.

Medicine , Volume: 103 Issue: 21 2024 May 24

Authors Jia J,Zhou L,Wang N,Zheng Q

Microbiome and metabolome features in inflammatory bowel disease via multi-omics integration analyses across cohorts.

Nature communications , Volume: 14 Issue: 1 2023 Nov 6

Authors Ning L,Zhou YL,Sun H,Zhang Y,Shen C,Wang Z,Xuan B,Zhao Y,Ma Y,Yan Y,Tong T,Huang X,Hu M,Zhu X,Ding J,Zhang Y,Cui Z,Fang JY,Chen H,Hong J

Gut microbiome in intracranial aneurysm growth, subarachnoid hemorrhage, and cerebral vasospasm: a systematic review with a narrative synthesis.

Frontiers in neuroscience , Volume: 17 2023

Authors Klepinowski T,Skonieczna-Zydecka K,Pala B,Stachowska E,Sagan L

A Sporadic Case of Disseminated Fusobacterium Causing Pylephlebitis and Intracranial and Hepatic Abscesses in a Healthy Young Patient.

Cureus , Volume: 12 Issue: 7 2020 Jul 16

Authors Tharu B,Nigussie B,Woredikal D,Abaleka FI,Gizaw M

First Case of Intracranial Mycotic Aneurysm Caused by Prevotella intermedia Associated with Chronic Sinusitis in a Korean Adult.

Case reports in neurology , Volume: 12 Issue: 1 2020 Jan-Apr

Authors Park HR,Chang J,Kim S,Um TH,Cho CR

Endovascular stenting for treatment of mycotic intracranial aneurysms.

Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia , Volume: 21 Issue: 7 2014 Jul

Authors Ding D,Raper DM,Carswell AJ,Liu KC

Type 3 resistant starch prepared from euryale ferox alleviated the obesity symptoms via gut microbiota regulation.

International journal of biological macromolecules , 2025 May 5

Authors Zhang Y,Huang J,Qin Y,Chen X,Xu F,Zhu K,Zhang X,Wu Z,Zhang J,Zhang Y

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

Quercetin ameliorates obesity and inflammation via microbial metabolite indole-3-propionic acid in high fat diet-induced obese mice.

Frontiers in nutrition , Volume: 12 2025

Authors Lu J,Huang Y,Zhang Y,Xie J,Guo Q,Yang H,Yang Y,Chen J,Su L

Poricoic Acid A Protects Against High-Salt-Diet Induced Renal Fibrosis by Modulating Gut Microbiota and SCFA Metabolism.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 80 Issue: 2 2025 Apr 29

Authors Wang X,Xu Y,Wang Y,Xu Y,Tian Y,Wang Y,Wang M

Dietary resistant starch protects against post-antibiotic intestinal damage by restoring microbial homeostasis and preserving intestinal barrier function in meat duck.

Poultry science , Volume: 104 Issue: 7 2025 Apr 24

Authors Qin S,Zhu Y,Tian G,Jensen MB,Zhang K,Ding X,Bai S,Wang J,Xuan Y,Zeng Q

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

Microorganisms , Volume: 13 Issue: 4 2025 Apr 7

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

Buckwheat resistant starch alleviates hyperlipidaemia in mice by inhibiting lipid accumulation and regulating gut microbiota.

International journal of biological macromolecules , 2025 Apr 22

Authors Tao J,Chen Z,Xie Q,Bai H,Li Z,Jia Y,Zhang X,Xiao Y,Bu T,Yuan M,Li Q,Tang Z

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

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, Meric G, Inouye M, Lahti L, Niranen T, Männistö S, Havulinna A, Knight R, Salomaa V
Gut dysbiosis induced by a high-salt diet aggravates atherosclerosis by increasing the absorption of saturated fatty acids in ApoE-deficient mice.

Journal of clinical biochemistry and nutrition , Volume: 76 Issue: 2 2025 Mar

Authors Yoshimura T, Okamura T, Yuge H, Hosomi Y, Kimura T, Ushigome E, Nakanishi N, Sasano R, Ogata T, Hamaguchi M, Fukui M
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

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

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

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

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

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

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

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

Food & function , 2025 Feb 25

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

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

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

Dairy Consumption and the Colonic Mucosa-Associated Gut Microbiota in Humans-A Preliminary Investigation.

Nutrients , Volume: 17 Issue: 3 2025 Feb 2

Authors Chen E, Ajami NJ, White DL, Liu Y, Gurwara S, Hoffman K, Graham DY, El-Serag HB, Petrosino JF, Jiao L

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

Probiotic treatment induces changes in intestinal microbiota but does not alter SCFA levels in peritoneal dialysis patients-a randomized, placebo-controlled trial.

Scientific reports , Volume: 14 Issue: 1 2024 Dec 28

Authors Zhou S, Yan Y, Chu R, Chen N, Wang L, Zhang H, Wang Y, Wang M, Na L, Ren H, Chen M, Li PK, Tian N

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

Frontiers in veterinary science , Volume: 11 2024

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

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

Weizmannia coagulans BC99 Enhances Intestinal Barrier Function by Modulating Butyrate Formation to Alleviate Acute Alcohol Intoxication in Rats.

Nutrients , Volume: 16 Issue: 23 2024 Nov 29

Authors Li C, Zhai S, Duan M, Cao L, Zhang J, Wang Y, Wu Y, Gu S

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

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

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

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

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

Food chemistry , Volume: 468 2025 Mar 15

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

Ginsenosides From Panax ginseng Improves Hepatic Lipid Metabolism Disorders in HFD-Fed Rats by Regulating Gut Microbiota and Cholesterol Metabolism Signaling Pathways.

Phytotherapy research : PTR , 2024 Dec 11

Authors Zhu Y,Zhang KX,Bu QY,Song SX,Chen Y,Zou H,You XY,Zhao GP

Flaxseed Linusorb Alleviates Collagen-Induced Rheumatoid Arthritis in Rats via Inhibiting the TLR4/NF- κ B/MAPK Signal Pathway and Modulating Gut Microbiota.

Journal of agricultural and food chemistry , Volume: 72 Issue: 50 2024 Dec 18

Authors Li J,Chen J,Shao X,Zhang N,Wang Y,Li Y

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

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

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

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

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

Anaerobe , Volume: 91 2024 Nov 26

Authors Kodera M,Nakamura K,Yokoyama S

Fucoidan from Undaria pinnatifida Enhances Exercise Performance and Increases the Abundance of Beneficial Gut Bacteria in Mice.

Marine drugs , Volume: 22 Issue: 11 2024 Oct 29

Authors Yang C,Dwan C,Wimmer BC,Wilson R,Johnson L,Caruso V

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

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

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

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

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

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

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

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

In vitro fermentation characteristics of fucoidan and its regulatory effects on human gut microbiota and metabolites.

Food chemistry , Volume: 465 Issue: Pt 1 2024 Nov 12

Authors Zhou X,Zhang Y,Wei L,Yang Y,Wang B,Liu C,Bai J,Wang C

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

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

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

[Bacterial cellulose is a desirable biological macromolecule that can prevent obesity via modulating lipid metabolism and gut microbiota.](#)

International journal of biological macromolecules , Volume: 283 Issue: Pt 1 2024 Nov 12

Authors Han YH,Cui XW,Li YX,Chen X,Zhang H,Zhang Y,Wang SS,Li M

[Pediococcus pentosaceus RC007 and Saccharomyces boulardii RC009 as antibiotic alternatives for gut health in post-weaning pigs.](#)

Journal of applied microbiology , 2024 Nov 5

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

[Low molecular fucoidan alleviated alcohol-induced liver injury in BALB/c mice by regulating the gut microbiota-bile acid-liver axis.](#)

International journal of biological macromolecules , Volume: 282 Issue: Pt 3 2024 Dec

Authors Sun Y,Men Q,Ren X,Yan C,Song S,Ai C

[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

[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

[Lactacisibacillus 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

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

Poultry science , Volume: 103 Issue: 12 2024 Dec

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

[Fructo-oligosaccharides promote butyrate production over citrus pectin during in vitro fermentation by colonic inoculum from pig.](#)

Anaerobe , Volume: 90 2024 Oct 9

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

[Potato resistant starch improves type 2 diabetes by regulating inflammation, glucose and lipid metabolism and intestinal microbial environment.](#)

International journal of biological macromolecules , Volume: 281 Issue: Pt 3 2024 Nov

Authors Liu X,Ma Q,Feng Y,Wang F,Wang W,Wang J,Sun J

[The impact of Codonopsis Pilosulae and Astragalus Membranaceus extract on growth performance, immunity function, antioxidant capacity and intestinal development of weaned piglets.](#)

Frontiers in veterinary science , Volume: 11 2024

Authors Guo R,Zhang H,Jiang C,Niu C,Chen B,Yuan Z,Wei Y,Hua Y

[Synbiotic supplementation may globally improve non-motor symptoms in patients with stable Parkinson's disease: results from an open label single-arm study.](#)

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

Authors Andreozzi V,Cuoco S,Balestrieri M,Fierro F,Ferrara N,Erro R,Di Filippo M,Barbella G,Memoli MC,Silvestri A,Squillante M,Guglielmetti S,Barone P,Iovino P,Pellecchia MT

[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

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

Effects of saponins R(b1) and R(e) in American ginseng intervention on intestinal microbiota of aging model.

Frontiers in nutrition , Volume: 11 2024

Authors Shi M,Fan H,Liu H,Zhang Y

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

Determinants of raffinose family oligosaccharide use in Bacteroides species.

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

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

Water extract of ginseng alleviates parkinsonism in MPTP-induced Parkinson's disease mice.

PloS one , Volume: 19 Issue: 9 2024

Authors Xu N,Xing S,Li J,Pang B,Liu M,Fan M,Zhao Y

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

Frontiers in microbiology , Volume: 15 2024

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

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

Laminaria japonica Polysaccharide Regulates Fatty Hepatosis Through Bile Acids and Gut Microbiota in Diabetes Rat.

Marine biotechnology (New York, N.Y.) , 2024 Aug 29

Authors Zhang B,Wang J,Chen X,Xue T,Xin J,Liu Y,Wang X,Li X

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 β -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

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

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

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

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

Quercetin Increases Growth Performance and Decreases Incidence of Diarrhea and Mechanism of Action in Weaned Piglets.

Oxidative medicine and cellular longevity , Volume: 2024 2024

Authors Mao Y,Yang Q,Liu J,Fu Y,Zhou S,Liu J,Ying L,Li Y

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

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- κ 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

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 GIM,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

Lactocaseibacillus 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

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

Mulberry polyphenols restored both small and large intestinal microflora in db/db mice, potentially alleviating type 2 diabetes.

Food & function , 2024 Jul 26

Authors Li F,Ming J

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

International journal of obesity (2005) , 2024 Jul 20

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

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

Journal of thermal biology , Volume: 123 2024 Jul

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

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

Food & function , 2024 Jul 19

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

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

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

Impact of *Pediococcus pentosaceus* YF01 on the exercise capacity of mice through the regulation of oxidative stress and alteration of gut microbiota.

Frontiers in microbiology , Volume: 15 2024

Authors Yang X,Wang Y,Yang Y

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

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

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

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

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

Authors Popov IV,Koopmans B,Venema K

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

Lactisacibacillus 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 *Lactisacibacillus 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

Uncovering the mechanism of *Clostridium butyricum* CBX 2021 to improve pig health based on in vivo and in vitro studies.

Frontiers in microbiology , Volume: 15 2024

Authors Liu X,Qiu X,Yang Y,Wang J,Wang Q,Liu J,Huang J,Yang F,Liu Z,Qi R

Inclusion of *Lactisacibacillus 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

Pediococcus pentosaceus MIANGUAN2 Alleviates Influenza Virus Infection by Modulating Gut Microbiota and Enhancing Short-Chain Fatty Acid Production.

Nutrients , Volume: 16 Issue: 12 2024 Jun 18

Authors Chen Y,Song L,Chen M,Huang Y,Wang Z,Ren Z,Xu 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 PPAR α -Mediated Hepatic Lipid Metabolism and Gut Microbiota in Diabetic C57BL/6J Mice.

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

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

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

Metabolites , Volume: 14 Issue: 6 2024 May 29

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

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

A Prebiotic Diet Containing Galactooligosaccharides and Polydextrose Produces Dynamic and Reproducible Changes in the Gut Microbial Ecosystem in Male Rats.

Nutrients , Volume: 16 Issue: 11 2024 Jun 6

Authors Thompson RS,Bowers SJ,Vargas F,Hopkins S,Kelley T,Gonzalez A,Lowry CA,Dorrestein PC,Vitaterna MH,Turek FW,Knight R,Wright KP Jr,Fleshner M

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

Animals : an open access journal from MDPI , Volume: 14 Issue: 11 2024 May 31

Authors Zhang H,Zhang Y,Gong Y,Zhang J,Li D,Tian Y,Han R,Guo Y,Sun G,Li W,Zhang Y,Zhao X,Zhang X,Wang P,Kang X,Jiang R

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

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

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

Lactobacillus plantarum-Derived Extracellular Vesicles Modulate Macrophage Polarization and Gut Homeostasis for Alleviating Ulcerative Colitis.

Journal of agricultural and food chemistry , Volume: 72 Issue: 26 2024 Jul 3

Authors Chen Q,Fang Z,Yang Z,Xv X,Yang M,Hou H,Li Z,Chen Y,Gong A

Lactiseibacillus 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

Prebiotic galactooligosaccharide improves piglet growth performance and intestinal health associated with alterations of the hindgut microbiota during the peri-weaning period.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Jun 13

Authors Boston TE,Wang F,Lin X,Kim SW,Fellner V,Scott MF,Ziegler AL,Van Landeghem L,Blikslager AT,Odle J

Bacillus coagulans and Clostridium butyricum synergistically alleviate depression in a chronic unpredictable mild stress mouse model through altering gut microbiota and prefrontal cortex gene expression.

Frontiers in pharmacology , Volume: 15 2024

Authors Xu J,Zhou L,Chen Z,Wang Y,Xu F,Kuang Q,Zhang Y,Zheng H

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

Bifidobacterium bifidum Ameliorates DSS-Induced Colitis in Mice by Regulating Microbial Metabolome and Targeting Gut Microbiota.

Journal of agricultural and food chemistry , 2024 Jun 5

Authors Han M,Liang J,Hou M,Liu Y,Li H,Gao Z

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,Qui X,Pan MH,Wang B

An Isofibrous Diet with Fiber Konjac Glucomannan Ameliorates Salmonella typhimurium-Induced Colonic Injury by Regulating TLR2-NF- κ B Signaling and Intestinal Microbiota in Mice.

Journal of agricultural and food chemistry , Volume: 72 Issue: 23 2024 Jun 12

Authors Li J,Liu H,Fu H,Yang Y,Wu Z

Rosemary leaf powder improves egg quality, antioxidant status, gut barrier function, and cecal microbiota and metabolites of late-phase laying hens.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 17 2024 Jun

Authors Zhang L,Ge J,Gao F,Yang M,Li H,Xia F,Bai H,Piao X,Sun Z,Shi L

The impact of high-salt diet on asthma in humans and mice: Effect on specific T-cell signatures and microbiome.

Allergy , Volume: 79 Issue: 7 2024 Jul

Authors Musiol S,Harris CP,Gschwendtner S,Burrell A,Amar Y,Schnautz B,Renisch D,Braun SC,Haak S,Schlöter M,Schmidt-Weber CB,Zielinski CE,Alessandrini F

Curcumin supplementation alleviates hepatic fat content associated with modulation of gut microbiota-dependent bile acid metabolism in patients with nonalcoholic simple fatty liver disease: a randomized controlled trial.

The American journal of clinical nutrition , Volume: 120 Issue: 1 2024 Jul

Authors He Y,Chen X,Li Y,Liang Y,Hong T,Yang J,Cao Z,Mai H,Yao J,Zhang T,Wu K,Zou J,Feng D

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

Therapeutic Potential of Fucoidan in Alleviating Histamine-Induced Liver Injury: Insights from Mice Studies.

Foods (Basel, Switzerland) , Volume: 13 Issue: 10 2024 May 14

Authors Zhang M,Liu H,Xu L,Zhang X,Chen W,Wang C

Ginger Polyphenols Reverse Molecular Signature of Amygdala Neuroimmune Signaling and Modulate Microbiome in Male Rats with Neuropathic Pain: Evidence for Microbiota-Gut-Brain Axis.

Antioxidants (Basel, Switzerland) , Volume: 13 Issue: 5 2024 Apr 23

Authors Shen CL,Santos JM,Elmassry MM,Bhakta V,Driver Z, Ji G,Yakhnitsa V,Kiritoshi T,Lovett J,Harmood AN,Sang S,Neugebauer V

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

Potential of guar gum as a leaky gut model in broilers: Digestibility, performance, and microbiota responses.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 17 2024 Jun

Authors Mellouk A,Mahmood T,Jlali M,Vieco-Saiz N,Michel V,Cozannet P,Ozbek S,Mercier Y,Devillard E,Consuegra J

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

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

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

Changes in intestinal microbiota and biochemical parameters in patients with inflammatory bowel disease and irritable bowel syndrome induced by the prolonged addition of soluble fibers to usual drug therapy.

The journal of medical investigation : JMI , Volume: 71 Issue: 1.2 2024

Authors Watanabe H,Inoue T,Miyamoto L,Ono Y,Matsumoto K,Takeda M,Tsuchiya K

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 GM,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

The effect of intermittent fasting on microbiota as a therapeutic approach in obesity.

Frontiers in nutrition , Volume: 11 2024

Authors Cadena-Ullauri S,Guevara-Ramírez P,Ruiz-Pozo VA,Tamayo-Trujillo R,Paz-Cruz E,Zambrano-Villacres R,Simancas-Racines D,Zambrano AK

Ameliorative effect of total ginsenosides from heat-treated fresh ginseng against cyclophosphamide-induced liver injury in mice.

Current research in food science , Volume: 8 2024

Authors Tang P,Ren G,Zou H,Liu S,Zhang J,Ai Z,Hu Y,Cui L,Nan B,Zhang Z,Wang Y

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

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

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

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

The Canine Gut Health: The Impact of a New Feed Supplement on Microbiota Composition.

Animals : an open access journal from MDPI , Volume: 14 Issue: 8 2024 Apr 15

Authors Atuahene D,Zuniga-Chaves I,Martello E,Stefanon B,Suen G,Balouei F,Meineri G

[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

[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

[The Human Gut and Dietary Salt: The Bacteroides/Prevotella Ratio as a Potential Marker of Sodium Intake and Beyond.](#)

Nutrients , Volume: 16 Issue: 7 2024 Mar 25

Authors Fagunwa O,Davies K,Bradbury J

[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

[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

[Protective effect of cellulose and soluble dietary fiber from Saccharina japonica by-products on regulating inflammatory responses, gut microbiota, and SCFAs production in colitis mice.](#)

International journal of biological macromolecules , 2024 Apr 3

Authors Cao J,Qin L,Zhang L,Wang K,Yao M,Qu C,Miao J

[Regulatory effect of Ganoderma lucidum and its active components on gut flora in diseases.](#)

Frontiers in microbiology , Volume: 15 2024

Authors Qin X,Fang Z,Zhang J,Zhao W,Zheng N,Wang X

[Effects of inulin on fecal microbiota and specific immunity in cats.](#)

Research in veterinary science , Volume: 172 2024 Jun

Authors Liang SK,Wang JQ,Han B

[Exploring the prebiotic potential of hydrolyzed fucoidan fermented in vitro with human fecal inocula: Impact on microbiota and metabolome.](#)

International journal of biological macromolecules , Volume: 267 Issue: Pt 1 2024 May

Authors Huang X,Nie S,Fu X,Nan S,Ren X,Li R

[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

[An Inulin-Type Fructan CP-A from Codonopsis pilosula Alleviated 5-Fluorouracil-Induced Intestinal Mucositis via the ERK/MLCK/MLC2 Pathway and Regulation of Gut Microbiota.](#)

Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 3 2024 Feb 26

Authors Zhou J,Li D,Wang J,Cheng Z,Wang C,Zhang X,Xu X,Gao J

[Dose-Responsive Effects of Iron Supplementation on the Gut Microbiota in Middle-Aged Women.](#)

Nutrients , Volume: 16 Issue: 6 2024 Mar 10

Authors Shearer J,Shah S,MacInnis MJ,Shen-Tu G,Mu C

[Relationships between Habitual Polyphenol Consumption and Gut Microbiota in the INCLD Health Cohort.](#)

Nutrients , Volume: 16 Issue: 6 2024 Mar 8

Authors Vita AA,Roberts KM,Gundersen A,Farris Y,Zwickey H,Bradley R,Weir TL

[Gut Microbiota and Inflammation Modulation in a Rat Model for Ulcerative Colitis after the Intraperitoneal Administration of Apigenin, Luteolin, and Xanthohumol.](#)

International journal of molecular sciences , Volume: 25 Issue: 6 2024 Mar 12

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

[Human-derived bacterial strains mitigate colitis via modulating gut microbiota and repairing intestinal barrier function in mice.](#)

BMC microbiology , Volume: 24 Issue: 1 2024 Mar 23

Authors Dai J,Jiang M,Wang X,Lang T,Wan L,Wang J

[Food additives impair gut microbiota from healthy individuals and IBD patients in a colonic in vitro fermentation model.](#)

Food research international (Ottawa, Ont.) , Volume: 182 2024 Apr

Authors Gonza I,Goya-Jorge E,Douny C,Boutaleb S,Taminiau B,Daube G,Scippo ML,Louis E,Delcenserie V

[Effect of Lactobacillus plantarum BFS1243 on a female frailty model induced by fecal microbiota transplantation in germ-free mice.](#)

Food & function , 2024 Mar 22

Authors Dong S,Zeng Q,He W,Cheng W,Zhang L,Zhong R,He W,Fang X,Wei H

[Mannan-oligosaccharides promote gut microecological recovery after antibiotic disturbance.](#)

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

Authors Chen J,Yin J,Xie H,Lu W,Wang H,Zhao J,Zhu J

[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

[Protective effect of Pediococcus pentosaceus Li05 on diarrhea-predominant irritable bowel syndrome in rats.](#)

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

Authors Wu Y,Li S,Lv L,Jiang S,Xu L,Chen H,Li L

[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

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

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

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

[Polyphenols Influence the Development of Endometrial Cancer by Modulating the Gut Microbiota.](#)

Nutrients , Volume: 16 Issue: 5 2024 Feb 28

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

[Effects of the algae derivatives on performance, intestinal histomorphology, ileal microflora, and egg yolk biochemistry of laying Japanese quail.](#)

Poultry science , Volume: 103 Issue: 5 2024 May

Authors Rahmatnejad E,Habibi H,Torshizi MAK,Seidavi A,Hosseini A

[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

[Fucoidan enhances the anti-tumor effect of anti-PD-1 immunotherapy by regulating gut microbiota.](#)

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

Authors Li H,Dong T,Tao M,Zhao H,Lan T,Yan S,Gong X,Hou Q,Ma X,Song Y

[Short term supplementation with cranberry extract modulates gut microbiota in human and displays a bifidogenic effect.](#)

NPJ biofilms and microbiomes , Volume: 10 Issue: 1 2024 Mar 6

Authors Lessard-Lord J,Roussel C,Lupien-Meilleur J,Généreux P,Richard V,Guay V,Roy D,Desjardins Y

[Clostridium butyricum MIYAIRI 588 contributes to the maintenance of intestinal microbiota diversity early after haematopoietic cell transplantation.](#)

Bone marrow transplantation , Volume: 59 Issue: 6 2024 Jun

Authors Fukushima K,Kudo H,Oka K,Hayashi A,Onizuka M,Kusakabe S,Hino A,Takahashi M,Takeda K,Mori M,Ando K,Hosen N

[Panax notoginseng stems and leaves affect microbial community and function in cecum of dazang pigs.](#)

Translational animal science , Volume: 8 2024

Authors Yi L,Zhu J,Li Q,Guan X,Cheng W,Xie Y,Zhao Y,Zhao S

[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

Human gut microbiota fermentation of cooked eggplant, garlic, and onion supports distinct microbial communities.**Food & function** , Volume: 15 Issue: 5 2024 Mar 4

Authors Rajakaruna S,Pérez-Burillo S,Rufián-Henares JÁ,Paliy O

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

Dietary probiotic *Lactobacillus 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,Jeon 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

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

Effect of *Lactobacillus 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

Effect of ginger supplementation on the fecal microbiome in subjects with prior colorectal adenoma.**Scientific reports** , Volume: 14 Issue: 1 2024 Feb 5

Authors Prakash A,Rubin N,Staley C,Onyeaghala G,Wen YF,Shaukat A,Milne G,Straka RJ,Church TR,Prizment A

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,Pelvé E,Brunius C,Halkjær J,Tjønneland A,Johansson I,Landberg R

The pharmaceutical effect of Korean wild ginseng residue extract on the performance, microbiota quality, cytokine expression, and the ginseng saponin content of laying hen.**Poultry science** , Volume: 103 Issue: 3 2024 Mar

Authors Tajudeen H,Ha S,Hosseindoust A,Mun J,Park S,Su CP,Kinara E,Kim J

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

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,Rodríguez R,Kim J

Dietary supplementation with probiotics promotes weight loss by reshaping the gut microbiome and energy metabolism in obese dogs.

Microbiology spectrum , 2024 Jan 25

Authors Kang A,Kwak M-J,Lee DJ,Lee JJ,Kim MK,Song M,Lee M,Yang J,Oh S,Kim Y

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

Oxidized konjac glucomannan: A safe dietary fiber influencing mouse gut microbiota.

Food chemistry: X , Volume: 21 2024 Mar 30

Authors Li Y,Lu H,Liao C,Liu X

Flaxseed Lignan Alleviates the Paracetamol-Induced Hepatotoxicity Associated with Regulation of Gut Microbiota and Serum Metabolome.

Nutrients , Volume: 16 Issue: 2 2024 Jan 18

Authors Ren Y,Xu Z,Qiao Z,Wang X,Yang C

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

The Impact of Fiber Source on Digestive Function, Fecal Microbiota, and Immune Response in Adult Dogs.

Animals : an open access journal from MDPI , Volume: 14 Issue: 2 2024 Jan 7

Authors Montserrat-Malagarriga M,Castillejos L,Salas-Mani A,Torre C,Martín-Orúe SM

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

Polysaccharide from Panax japonicus C.A. Mey prevents non-alcoholic fatty liver disease development based on regulating liver metabolism and gut microbiota in mice.

International journal of biological macromolecules , Volume: 260 Issue: Pt 1 2024 Mar

Authors Wu Y,Yin W,Hao P,Chen Y,Yu L,Yu X,Wu Y,Li X,Wang W,Zhou H,Yuan Y,Quan X,Yu Y,Hu B,Chen S,Zhou Z,Sun W

Antibacterial activity of mulberry extracts and purified fractions against oral pathogenic bacteria.

Journal of oral biosciences , Volume: 66 Issue: 2 2024 Jun

Authors Shirai T,Satoh Y,Ishihara K

Dietary inulin alleviated constipation induced depression and anxiety-like behaviors: Involvement of gut microbiota and microbial metabolite short-chain fatty acid.

International journal of biological macromolecules , Volume: 259 Issue: Pt 2 2024 Feb

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

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

Spirulina platensis as a growth booster for broiler: Insights into their nutritional, molecular, immunohistopathological, and microbiota modulating effects.

BMC veterinary research , Volume: 20 Issue: 1 2024 Jan 5

Authors Abdelfatah SH,Yassin AM,Khattab MS,Abdel-Razek AS,Saad AH

Mannan oligosaccharides improve the fur quality of raccoon dogs by regulating the gut microbiota.

Frontiers in microbiology , Volume: 14 2023

Authors Yuan C,Ren L,Sun R,Yun X,Zang X,Zhang A,Wu M

Integrated gut microbiome and metabolome analysis reveals the inhibition effect of Lactobacillus plantarum CBT against colorectal cancer.

Food & function , Volume: 15 Issue: 2 2024 Jan 22

Authors Chen YY,Fei F,Ding LL,Wen SY,Ren CF,Gong AH

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

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 Lactocaseibacillus 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 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

Impact of glyphosate (Roundup(TM)) on the composition and functionality of the gut microbiome.

Gut microbes , Volume: 15 Issue: 2 2023 Dec

Authors Walsh L,Hill C,Ross RP

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

Insoluble/soluble fraction ratio determines effects of dietary fiber on gut microbiota and serum metabolites in healthy mice.

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

Authors Zhang Y,Hu J,Zhong Y,Liu S,Liu L,Mu X,Chen C,Yang S,Li G,Zhang D,Huang X,Yang J,Huang X,Bian S,Nie S

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

Ligilactobacillus Salivarius improve body growth and anti-oxidation capacity of broiler chickens via regulation of the microbiota-gut-brain axis.

BMC microbiology , Volume: 23 Issue: 1 2023 Dec 9

Authors Yang J,Wang J,Liu Z,Chen J,Jiang J,Zhao M,Gong D

Probiotic Pediococcus pentosaceus Li05 Improves Cholestasis through the FXR-SHP and FXR-FGF15 Pathways.

Nutrients , Volume: 15 Issue: 23 2023 Nov 22

Authors Han S,Wang K,Shen J,Xia H,Lu Y,Zhuge A,Li S,Qiu B,Zhang S,Dong X,Yao M,Li L

Study on Immunoregulatory Effects of Fucoidan from Sargassum graminifolium In Vivo and Immunoactivation Activity of Its Fecal Fermentation Products Using Co-Culture Model.

Molecules (Basel, Switzerland) , Volume: 28 Issue: 23 2023 Nov 27

Authors Wang C,Huang L,Huang Y,Tian X,Liu J

Phytobiotic-Prebiotic Feed Additive Containing a Combination of Carob Pulp, Chicory, and Fenugreek Improve Growth Performance, Carcass Traits, and Fecal Microbiota of Fattening Pigs.

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

Authors Juhász Á,Molnár-Nagy V,Bata Z,Tso KH,Posta K

Fucoidan alleviated dextran sulfate sodium-induced ulcerative colitis with improved intestinal barrier, reshaped gut microbiota composition, and promoted autophagy in male C57BL/6 mice.

Nutrition research (New York, N.Y.) , Volume: 122 2024 Feb

Authors Li S,Qian Q,Yang H,Wu Z,Xie Y,Yin Y,Cui Y,Li X

Multi-omics reveals the protective effects of curcumin against AFB1-induced oxidative stress and inflammatory damage in duckling intestines.

Comparative biochemistry and physiology. Toxicology & pharmacology : CBP , Volume: 276 2024 Feb

Authors Jiang X,Liu H,You Y,Zhong G,Ruan Z,Liao J,Zhang H,Pan J,Tang Z,Hu L

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 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

Structurally Orientated Rheological and Gut Microbiota Fermentation Property of Mannans Polysaccharides and Oligosaccharides.

Foods (Basel, Switzerland) , Volume: 12 Issue: 21 2023 Nov 1

Authors Wang J,Ke S,Strappe P,Ning M,Zhou Z

Epigallocatechin gallate alleviates osteoporosis by regulating the gut microbiota and serum metabolites in rats.

Food & function , Volume: 14 Issue: 23 2023 Nov 27

Authors Han X,Fu Y,Wang K,Li S,Jiang C,Wang S,Wang Z,Liu G,Hu S

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

Effects of ginseng on short-chain fatty acids and intestinal microbiota in rats with spleen-qi deficiency based on gas chromatography-mass spectrometry and 16s rRNA technology.

Rapid communications in mass spectrometry : RCM , Volume: 37 Issue: 23 2023 Dec 15

Authors Zhang M,Pi Y,Ma L,Li F,Luo J,Cai Y,Wu Y,Liu M,Dai Y,Zheng F,Yue H

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

Assessing the effects of microencapsulated Lactobacillus salivarius and cowpea seed supplementation on broiler chicken growth and health status.

Frontiers in veterinary science , Volume: 10 2023

Authors Lefter NA,Gheorghe A,Habeanu M,Ciurescu G,Dumitru M,Untea AE,Vlaicu PA

Are We Ready to Recommend Capsaicin for Disorders Other Than Neuropathic Pain?

Nutrients , Volume: 15 Issue: 20 2023 Oct 21

Authors Silva JL,Santos EA,Alvarez-Leite JI

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

Analysis of the influence of host lifestyle (coffee consumption, drinking, and smoking) on Korean oral microbiome.

Forensic science international. Genetics , Volume: 68 2024 Jan

Authors Yu KM,Cho HS, Lee AM, Lee JW, Lim SK

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

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

Konjac Glucomannan Counteracted the Side Effects of Excessive Exercise on Gut Microbiome, Endurance, and Strength in an Overtraining Mice Model.

Nutrients , Volume: 15 Issue: 19 2023 Sep 29

Authors Mao YH, Wang M, Yuan Y, Yan JK, Peng Y, Xu G, Weng X

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

Fecal microbiota transplantation combined with prebiotics ameliorates ulcerative colitis in mice.

Future microbiology , 2023 Oct 13

Authors Qian X, Jiang H, Wu Y, Shao H, He W, He Y, Bao X, He L, Jia Y, Xu Z

Scytosiphon lomentaria fucoidan ameliorates DSS-induced colitis in dietary fiber-deficient mice via modulating the gut microbiota and inhibiting the TLR4/NF- κ B/MILCK pathway.

International journal of biological macromolecules , Volume: 253 Issue: Pt 8 2023 Dec 31

Authors Jia J, Zheng W, Tang S, Song S, Ai C

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

Apple consumption affects cecal health by regulating 12S-hydroxy-5Z, 8Z, 10E, 14Z-eicosatetraenoic acid (12(S)-HETE) levels through modifying the microbiota in rats.

Food & function , Volume: 14 Issue: 20 2023 Oct 16

Authors Wang C, Liu XL, Sun Q, Zhao FY, Dai PQ, Li LX, Hu DG

Regulatory effect of lactulose on intestinal flora and serum metabolites in colitis mice: In vitro and in vivo evaluation.

Food chemistry: X , Volume: 19 2023 Oct 30

Authors Bai J, Wang B, Tan X, Huang L, Xiong S

A Pectic Polysaccharide from Codonopsis pilosula Alleviates Inflammatory Response and Oxidative Stress of Aging Mice via Modulating Intestinal Microbiota-Related Gut-Liver Axis.

Antioxidants (Basel, Switzerland) , Volume: 12 Issue: 9 2023 Sep 19

Authors Zou Y, Yan H, Li C, Wen F, Jize X, Zhang C, Liu S, Zhao Y, Fu Y, Li L, Liu F, Chen J, Li R, Chen X, Tian M

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

Electrospray alginate microgels co-encapsulating degraded Konjac glucomannan and quercetin modulate human gut microbiota in vitro.

Food chemistry , Volume: 434 2024 Feb 15

Authors Liu S, Loo YT, Zhang Y, Ng K

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

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

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

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

Effects of Ramadan intermittent fasting on gut microbiome: is the diet key?

Frontiers in microbiology , Volume: 14 2023

Authors Saglam D,Colak GA,Sahin E,Ekren BY,Sezerman U,Bas M

Gut microbial change after administration of Lacticaseibacillus 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

Effects of antimicrobial peptide and tributyrin on fecal microflora and blood indices of female calves.

Food science & nutrition , Volume: 11 Issue: 9 2023 Sep

Authors Gao J, Dong J, Sun Z, Wang T, Guan Y, Sun Y, Qin G, Zhang X, Zhen Y

The effects of Ascophyllum nodosum, Camellia sinensis-leaf extract, and their joint interventions on glycolipid and energy metabolism in obese mice.

Frontiers in nutrition , Volume: 10 2023

Authors Xu Y, Jia X, Zhang W, Xie Q, Zhu M, Zhao Z, Hao J, Li H, Du J, Liu Y, Feng H, He J, Li H

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, Vázquez-Campos X, Dawson SL, Lohning A

Microbial modifications with Lycium barbarum L. oligosaccharides decrease hepatic fibrosis and mitochondrial abnormalities in mice.

Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 120 2023 Nov

Authors Zhang Z, Lu W, Liu P, Li M, Ge X, Yu B, Wu Z, Liu G, Ding N, Cui B, Chen X

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

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

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G, Zhang L

Bifidobacterium animalis subsp. lactis HN019 has antimicrobial activity against endodontic pathogens in vitro.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , 2023 Aug 26

Authors Araujo LDC, da Silva RAB, Silva CMPC, Salvador SLS, Messoria MR, Furlaneto FAC, Mastrange MDA, Pucinelli CM, da Silva LAB

Relationship between Oat Consumption, Gut Microbiota Modulation, and Short-Chain Fatty Acid Synthesis: An Integrative Review.

Nutrients , Volume: 15 Issue: 16 2023 Aug 11

Authors Fabiano GA, Shinn LM, Antunes AEC

Effects of Dietary Supplementation with Mulberry Leaf Powder on the Growth Performance, Lipid Metabolism Parameters, Immunity Indicators, and Gut Microbiota of Dogs.

Metabolites , Volume: 13 Issue: 8 2023 Aug 4

Authors Yu A, Tang C, Wang S, Wang Y, Chen L, Li Z, Luo G, Zhong J, Fang Z, Wang Z, Lin S

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, Fahrenholz AC, Ferket PR, Nagabhushanam K, Fasina YO

Revealing the Potential Impacts of Nutraceuticals Formulated with Freeze-Dried Jaboticaba 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

The effects of time-restricted eating and Ramadan fasting on gut microbiota composition: a systematic review of human and animal studies.

Nutrition reviews , Volume: 82 Issue: 6 2024 May 10

Authors Pieczynska-Zajac JM, Malinowska A, Lagowska K, Leciejewska N, Bajerska J

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, Coccolin L, Morelli G, Schievano C, Atuahene D, Ferrocino I

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

Food & function , 2023 Jul 14

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

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

Nutrients , Volume: 15 Issue: 13 2023 Jul 5

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

Flaxseed Bioactive Compounds: Chemical Composition, Functional Properties, Food Applications and Health Benefits-Related Gut Microbes.

Foods (Basel, Switzerland) , Volume: 11 Issue: 20 2022 Oct 21

Authors Mueed A, Shibli S, Korma SA, Madjirebaye P, Esatbeyoglu T, Deng Z

Combined Ganoderma lucidum polysaccharide and ciprofloxacin therapy alleviates Salmonella enterica infection, protects the intestinal barrier, and regulates gut microbiota.

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

Authors Li M, Yu L, Zhai Q, Chu C, Wang S, Zhao J, Zhang H, Tian F, Chen W

A multi-strain probiotic promoted recovery of puppies from gastroenteritis in a randomized, double-blind, placebo-controlled study.

The Canadian veterinary journal = La revue veterinaire canadienne , Volume: 64 Issue: 7 2023 Jul

Authors Molina RA, Villar MD, Miranda MH, Maldonado NC, Vignolo GM, Nader-Macías MEF

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

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

Investigating the effects of conventional and unconventional edible parts of red beet (*Beta vulgaris* L.) on target bacterial groups and metabolic activity of human colonic microbiota to produce novel and sustainable prebiotic ingredients.

Food research international (Ottawa, Ont.) , Volume: 171 2023 Sep

Authors de Oliveira SPA, de Albuquerque TMR, Massa NVL, Rodrigues NPA, Sampaio KB, do Nascimento HMA, Dos Santos Lima M, da Conceição ML, de Souza EL

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

Structural characterization of slow digestion dextrin synthesized by a combination of α -glucosidase and cyclodextrin glucosyltransferase and its prebiotic potential on the gut microbiota in vitro.

Food chemistry , Volume: 426 2023 Nov 15

Authors Wei B, Wang L, Su L, Tao X, Chen S, Wu J, Xia W

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

Modulatory Effects of A1 Milk, A2 Milk, Soy, and Egg Proteins on Gut Microbiota and Fermentation.**Microorganisms** , Volume: 11 Issue: 5 2023 May 3

Authors Nuomin,Baek R,Tsuruta T,Nishino N

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

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 coagulans (Weizmannia coagulans) XY2 attenuates Cu-induced oxidative stress via DAF-16/FoxO and SKN-1/Nrf2 pathways and gut microbiota regulation.**Journal of hazardous materials** , Volume: 457 2023 Sep 5

Authors Gao Y,Yu T,Wu Y,Huang X,Teng J,Zhao N,Zheng X,Yan F

Effect of Bifidobacterium bifidum G9-1 on the Intestinal Environment and Diarrhea-Predominant Irritable Bowel Syndrome (IBS-D)-like Symptoms in Patients with Quiescent Crohn`s Disease: A Prospective Pilot Study.**Journal of clinical medicine** , Volume: 12 Issue: 10 2023 May 9

Authors Tomita T,Fukui H,Okugawa T,Nakanishi T,Mieno M,Nakai K,Eda H,Kitayama Y,Oshima T,Shinzaki S,Miwa H

Comparison of the Effects of Enzymolysis Seaweed Powder and Saccharomyces boulardii on Intestinal Health and Microbiota Composition in Kittens.**Metabolites** , Volume: 13 Issue: 5 2023 May 8

Authors Zhang M,Mo R,Li M,Qu Y,Wang H,Liu T,Liu P,Wu Y

Intermittent fasting protects against food allergy in a murine model via regulating gut microbiota.**Frontiers in immunology** , Volume: 14 2023

Authors Ma RX,Hu JQ,Fu W,Zhong J,Cao C,Wang CC,Qi SQ,Zhang XL,Liu GH,Gao YD

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

Low-dose glyphosate exposure alters gut microbiota composition and modulates gut homeostasis.**Environmental toxicology and pharmacology** , Volume: 100 2023 Jun

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

Supplementation with inulin-type fructans affects gut microbiota and attenuates some of the cardiometabolic benefits of a plant-based diet in individuals with overweight or obesity.**Frontiers in nutrition** , Volume: 10 2023

Authors Aldubayan MA,Mao X,Laursen MF,Pigsborg K,Christensen LH,Roager HM,Nielsen DS,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

Effect of dietary supplementation of Spirulina platensis powder on performance, some serum biochemistry, digestive enzymes, microbial content, antioxidant parameters and immune responses of growing Japanese quail.

Animal biotechnology , Volume: 34 Issue: 9 2023 Dec

Authors Abdel-Wahab AA,Enesr SS,Ahmad EAM,Abdel-Kader IA

Impact of High Salt-Intake on a Natural Gut Ecosystem in Wildling Mice.

Nutrients , Volume: 15 Issue: 7 2023 Mar 23

Authors Cardilli A,Hamad I,Dyczko A,Thijs S,Vangronsveld J,Müller DN,Rosshart SP,Klenewietfeld 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 Mexican Ganoderma lucidum extracts on liver, kidney, and the gut microbiota of Wistar rats: A repeated dose oral toxicity study.

PloS one , Volume: 18 Issue: 4 2023

Authors Meneses ME,Martínez-Carrera D,González-Ibáñez L,Torres N,Sánchez-Tapia M,Márquez-Mota CC,Rendón G,Mitzi V,Morales A,Tello-Salgado I,Tovar AR

Effects of an inulin fiber diet on the gut microbiome, colon, and inflammatory biomarkers in aged mice.

Experimental gerontology , Volume: 176 2023 Jun 1

Authors Hutchinson NT,Wang SS,Rund LA,Caetano-Silva ME,Allen JM,Johnson RW,Woods JA

Effects of Pomegranate Peel Polyphenols Combined with Inulin on Gut Microbiota and Serum Metabolites of High-Fat-Induced Obesity Rats.

Journal of agricultural and food chemistry , Volume: 71 Issue: 14 2023 Apr 12

Authors Shi H,Li X,Hou C,Chen L,Zhang Y,Li J

A Combination of Deep-Sea Water and Fucoidan Alleviates T2DM through Modulation of Gut Microbiota and Metabolic Pathways.

Pharmaceuticals (Basel, Switzerland) , Volume: 16 Issue: 3 2023 Mar 20

Authors He S,Peng WB,Zhou HL,Fu XJ,Sun YH,Wang ZG

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

Bifidobacterium bifidum CCFM1163 Alleviated Cathartic Colon by Regulating the Intestinal Barrier and Restoring Enteric Nerves.

Nutrients , Volume: 15 Issue: 5 2023 Feb 24

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

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

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

Effect of Agaricus bisporus Polysaccharides on Human Gut Microbiota during In Vitro Fermentation: An Integrative Analysis of Microbiome and Metabolome.

Foods (Basel, Switzerland) , Volume: 12 Issue: 4 2023 Feb 17

Authors Duan H,Yu Q,Ni Y,Li J,Fan L

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

Pediococcus pentosaceus PR-1 modulates high-fat-diet-induced alterations in gut microbiota, inflammation, and lipid metabolism in zebrafish.

Frontiers in nutrition , Volume: 10 2023

Authors Liu Y,Zhu D,Liu J,Sun X,Gao F,Duan H,Dong L,Wang X,Wu C

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

Microbiome Alterations in Alcohol Use Disorder and Alcoholic Liver Disease.

International journal of molecular sciences , Volume: 24 Issue: 3 2023 Jan 27

Authors Litwinowicz K,Gamian A

Inulin supplementation prior to mild traumatic brain injury mitigates gut dysbiosis, and brain vascular and white matter deficits in mice.

Frontiers in microbiomes , Volume: 1 2022

Authors Yanckello LM,Chang YH,Sun M,Chlipala G,Green SJ,Lei Z,Ericsson AC,Xing X,Hammond TC,Bachstetter AD,Lin AL

Marine prebiotics mediate decolonization of Pseudomonas aeruginosa from gut by inhibiting secreted virulence factor interactions with mucins and enriching Bacteroides population.

Journal of biomedical science , Volume: 30 Issue: 1 2023 Feb 2

Authors Janapatla RP,Dudek A,Chen CL,Chuang CH,Chien KY,Feng Y,Yeh YM,Wang YH,Chang HJ,Lee YC,Chiu CH

A Novel Approach Based on Gut Microbiota Analysis and Network Pharmacology to Explain the Mechanisms of Action of Cichorium intybus L. Formula in the Improvement of Hyperuricemic Nephropathy in Rats.

Drug design, development and therapy , Volume: 17 2023

Authors Amatjan M,Li N,He P,Zhang B,Mai X,Jiang Q,Xie H,Shao X

Fructooligosaccharides (FOS) differentially modifies the in vitro gut microbiota in an age-dependent manner.

Frontiers in nutrition , Volume: 9 2022

Authors Mahalak KK,Firrmann J,Narrowe AB,Hu W,Jones SM,Bittinger K,Moustafa AM,Liu L

Lactobacillus plantarum ZJUIDS14 alleviates non-alcoholic fatty liver disease in mice in association with modulation in the gut microbiota.

Frontiers in nutrition , Volume: 9 2022

Authors Cao F,Ding Q,Zhuge H,Lai S,Chang K,Le C,Yang G,Valencak TG,Li S,Ren D

Agaricus bisporus Polysaccharides Ameliorates Behavioural Deficits in D-Galactose-Induced Aging Mice: Mediated by Gut Microbiota.

Foods (Basel, Switzerland) , Volume: 12 Issue: 2 2023 Jan 16

Authors Duan H,Li J,Fan L

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

Bioactive polysaccharides promote gut immunity via different ways.

Food & function , Volume: 14 Issue: 3 2023 Feb 6

Authors Wu X,Huang X,Ma W,Li M,Wen J,Chen C,Liu L,Nie S

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

Modulation of gut microbiota and lipid metabolism in rats fed high-fat diets by Ganoderma lucidum triterpenoids.

Current research in food science , Volume: 6 2023

Authors Tong A,Wu W,Chen Z,Wen J,Jia R,Liu B,Cao H,Zhao C

Arthrospira platensis (Spirulina) fortified functional foods ameliorate iron and protein malnutrition by improving growth and modulating oxidative stress and gut microbiota in rats.

Food & function , Volume: 14 Issue: 2 2023 Jan 23

Authors Kumar R,Sharma V,Das S,Patil V,Srivatsan V

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

Novel investigations in retinoic-acid-induced cleft palate about the gut microbiome of pregnant mice.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Wang Y,Chen J,Wang X,Guo C,Peng X,Liu Y,Li T,Du J

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,Calvigioni M,Benvenuti L,D'Antongiovanni V,Pellegrini C,Di Salvo C,Mazzantini D,Celandroni F,Fornai M,Antonioli L,Ghelardi E

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

Two weeks of high glucose intake is enough to induce intestinal mucosal damage and disturb the balance of the gut microbiota of rats.

Biomedical reports , Volume: 18 Issue: 1 2023 Jan

Authors Min C,Fu T,Tan W,Wang T,Du Y,Huang X

Pectin supplement alleviates gut injury potentially through improving gut microbiota community in piglets.

Frontiers in microbiology , Volume: 13 2022

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

Intermittent Fasting Alleviates Risk Markers in a Murine Model of Ulcerative Colitis by Modulating the Gut Microbiome and Metabolome.

Nutrients , Volume: 14 Issue: 24 2022 Dec 14

Authors Wu J,Man D,Shi D,Wu W,Wang S,Wang K,Li Y,Yang L,Bian X,Wang Q,Li L

Dietary Supplementation with Black Raspberries Altered the Gut Microbiome Composition in a Mouse Model of Colitis-Associated Colorectal Cancer, although with Differing Effects for a Healthy versus a Western Basal Diet.

Nutrients , Volume: 14 Issue: 24 2022 Dec 10

Authors Rodríguez DM,Hintze KJ,Rompato G,Wettere AJV,Ward RE,Phatak S,Neal C,Armbrust T,Stewart EC,Thomas AJ,Benninghoff AD

Heat-Killed Bifidobacterium bifidum B1628 May Alleviate Dextran Sulfate Sodium-Induced Colitis in Mice, and the Anti-Inflammatory Effect Is Associated with Gut Microbiota Modulation.

Nutrients , Volume: 14 Issue: 24 2022 Dec 8

Authors Feng C,Zhang W,Zhang T,He Q,Kwok LY,Tan Y,Zhang H

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*Ganoderma lucidum Ethanol Extraction Promotes Dextran Sulphate Sodium Induced Colitis Recovery and Modulation in Microbiota.**Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 13***Authors Li M,Yu L,Zhai Q,Liu B,Zhao J,Chen W,Tian F*Dietary Capsaicin: A Spicy Way to Improve Cardio-Metabolic Health?**Biomolecules , Volume: 12 Issue: 12 2022 Nov 29***Authors Szallasi A*Effect of two-week red beetroot juice consumption on modulation of gut microbiota in healthy human volunteers - A pilot study.**Food chemistry , Volume: 406 2023 Apr 16***Authors Wang Y,Do T,Marshall LJ,Boesch 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*Polysaccharides from red kidney bean alleviating hyperglycemia and hyperlipidemia in type 2 diabetic rats via gut microbiota and lipid metabolic modulation.**Food chemistry , Volume: 404 Issue: Pt A 2023 Mar 15***Authors Bai Z,Huang X,Wu G,Ye H,Huang W,Nie Q,Chen H,Yin J,Chen Y,Nie 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 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*The Effects of Dietary Bacillus amyloliquefaciens TL106 Supplementation, as an Alternative to Antibiotics, on Growth Performance, Intestinal Immunity, Epithelial Barrier Integrity, and Intestinal Microbiota in Broilers.**Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 9***Authors Bao C,Zhang W,Wang J,Liu Y,Cao H,Li F,Liu S,Shang Z,Cao Y,Dong B*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*Development, characterization and probiotic encapsulating ability of novel Momordica charantia bioactive polysaccharides/whey protein isolate composite gels.**International journal of biological macromolecules , Volume: 225 2023 Jan 15***Authors Bora AFM,Kouame KJE,Li X,Liu L,Sun Y,Ma Q,Liu Y*Response of gut microbiota and ileal transcriptome to inulin intervention in HFD induced obese mice.**International journal of biological macromolecules , Volume: 225 2023 Jan 15***Authors Zhang H,Zhang Y,Mu T,Cao J,Liu X,Yang X,Ren D,Zhao K*Bacillus amyloliquefaciens SC06 in the diet improves egg quality of hens by altering intestinal microbiota and the effect is diminished by antimicrobial peptide.**Frontiers in nutrition , Volume: 9 2022***Authors Xu S,Wang F,Zou P,Li X,Jin Q,Wang Q,Wang B,Zhou Y,Tang L,Yu D,Li W*Exploratory analysis of one versus two-day intermittent fasting protocols on the gut microbiome and plasma metabolome in adults with overweight/obesity.**Frontiers in nutrition , Volume: 9 2022***Authors Mohr AE,Jasbi P,Bowes DA,Dirks B,Whisner CM,Arciero KM,Poe M,Gu H,Gumprich E,Sweazea KL,Arciero PJ*Epigallocatechin-3-Gallate Decreases Plasma and Urinary Levels of p-Cresol by Modulating Gut Microbiota in Mice.**ACS omega , Volume: 7 Issue: 44 2022 Nov 8***Authors Unno T,Ichitani M*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

Amination Potentially Augments the Ameliorative Effect of Curcumin on Inhibition of the IL-6/Stat3/c-Myc Pathway and Gut Microbial Modulation in Colitis-Associated Tumorigenesis.

Journal of agricultural and food chemistry , Volume: 70 Issue: 46 2022 Nov 23

Authors Koh YC,Tsai YW,Lee PS,Nagabhushanam K,Ho CT,Pan MH

Potential Health Benefits of Yeast-Leavened Bread Containing LAB *Pediococcus pentosaceus* Fermented Pitaya (*Hylocereus undatus*): Both In Vitro and In Vivo Aspects.

Foods (Basel, Switzerland) , Volume: 11 Issue: 21 2022 Oct 28

Authors Omedi JO,Li N,Chen C,Cheng X,Huang J,Zhang B,Gao T,Liang L,Zhou Z,Huang W

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

Long-Term Lactulose Administration Improves Dysbiosis Induced by Antibiotic and *C. difficile* in the PathoGut(TM) SHIME Model.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 11 2022 Oct 24

Authors Calatayud M,Duysburgh C,Van den Abbeele P,Franckenstein D,Kuchina-Koch A,Marzorati M

Effects of Proteases from Pineapple and Papaya on Protein Digestive Capacity and Gut Microbiota in Healthy C57BL/6 Mice and Dose-Manner Response on Mucosal Permeability in Human Reconstructed Intestinal 3D Tissue Model.

Metabolites , Volume: 12 Issue: 11 2022 Oct 26

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

Structural Insights into Amelioration Effects of Quercetin and Its Glycoside Derivatives on NAFLD in Mice by Modulating the Gut Microbiota and Host Metabolism.

Journal of agricultural and food chemistry , Volume: 70 Issue: 46 2022 Nov 23

Authors Shi Z,Zhang C,Lei H,Chen C,Cao Z,Song Y,Chen G,Wu F,Zhou J,Lu Y,Zhang L

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

Influence of Flax Seeds on the Gut Microbiota of Elderly Patients with Constipation.

Journal of multidisciplinary healthcare , Volume: 15 2022

Authors Ma J,Sun J,Bai H,Ma H,Wang K,Wang J,Yu X,Pan Y,Yao J

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

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

Frontiers in microbiology , Volume: 13 2022

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

Fucoidan from *Scytosiphon lomentaria* protects against destruction of intestinal barrier, inflammation and lipid abnormality by modulating the gut microbiota in dietary fibers-deficient mice.

International journal of biological macromolecules , Volume: 224 2023 Jan 1

Authors Jia J,Zheng W,Zhang C,Zhang P,Guo X,Song S,Ai C

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

Bovine milk with variant β -casein types on immunological mediated intestinal changes and gut health of mice.

Frontiers in nutrition , Volume: 9 2022

Authors Liu B,Qiao W,Zhang M,Liu Y,Zhao J,Chen L

Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF- κ B pathway mediated by gut microbiota disturbance in obese dogs.

Research in veterinary science , Volume: 152 2022 Dec 20

Authors Lu J,Zhu D,Lu J,Liu J,Wu Z,Liu L

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

Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 73 Issue: 2 2022 Apr

Authors Li Z,Lei L,Ling L,Liu Y,Xiong Z,Shao Y

The potential role of lactulose pharmacotherapy in the treatment and prevention of diabetes.

Frontiers in endocrinology , Volume: 13 2022

Authors Chu N,Ling J,Jie H,Leung K,Poon E

(-)-Epicatechin mitigates anxiety-related behavior in a mouse model of high fat diet-induced obesity.

The Journal of nutritional biochemistry , Volume: 110 2022 Dec

Authors Kang J,Wang Z,Cremonini E,Le Gall G,Pontifex MG,Muller M,Vauzour D,Oteiza PI

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

Partially hydrolyzed guar gum alleviates hepatic steatosis and alters specific gut microbiota in a murine liver injury model.

Pediatric surgery international , Volume: 38 Issue: 12 2022 Dec

Authors Fujii T,Nakayama-Imaohji H,Tanaka A,Katami H,Tanaka K,Chiba Y,Kawauchi M,Ueno M,Kuwahara T,Shimono R

Effect of dietary resveratrol supplementation on growth performance, antioxidant capacity, intestinal immunity and gut microbiota in yellow-feathered broilers challenged with lipopolysaccharide.

Frontiers in microbiology , Volume: 13 2022

Authors He Z,Li Y,Xiong T,Nie X,Zhang H,Zhu C

Intermittent fasting positively modulates human gut microbial diversity and ameliorates blood lipid profile.

Frontiers in microbiology , Volume: 13 2022

Authors Khan MN,Khan SI,Rana MI,Ayyaz A,Khan MY,Imran M

Intermittent fasting positively modulates human gut microbial diversity and ameliorates blood lipid profile.

Frontiers in microbiology , Volume: 13 2022

Authors Khan MN,Khan SI,Rana MI,Ayyaz A,Khan MY,Imran M

Reconfiguration of Gut Microbiota and Reprogramming of Liver Metabolism with Phycobiliproteins Bioactive Peptides to Rehabilitate Obese Rats.

Nutrients , Volume: 14 Issue: 17 2022 Sep 2

Authors Liu J,Zhen D,Hu C,Liu Y,Shen X,Fu P,He Y

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

Detection of indigenous gut bacteria related to red chilli pepper (Capsicum annuum) in murine caecum and human faecal cultures.

Molecular biology reports , Volume: 49 Issue: 11 2022 Nov

Authors Xia Y,Lee G,Yamamoto M,Takahashi H,Kuda T

Bacillus subtilis M6 improves intestinal barrier, antioxidant capacity and gut microbial composition in AA broiler.

Frontiers in nutrition , Volume: 9 2022

Authors Ji L,Zhang L,Liu H,Shen J,Zhang Y,Lu L,Zhang X,Ma X

Metagenomic study of the gut microbiota associated with cow milk consumption in Chinese peri-/postmenopausal women.

Frontiers in microbiology , Volume: 13 2022

Authors Tian B,Yao JH,Lin X,Lv WQ,Jiang LD,Wang ZQ,Shen J,Xiao HM,Xu H,Xu LL,Cheng X,Shen H,Qiu C,Luo Z,Zhao LJ,Yan Q,Deng HW,Zhang LS

[Protective effect and mechanism of Bifidobacterium bifidum TMC3115 on long-term colitis in mice which exposed to antibiotic in early life].

Wei sheng yan jiu = Journal of hygiene research , Volume: 51 Issue: 4 2022 Jul

Authors Wang S,Peng C,Li J,Cheng R,He F,Yang L,Lu J,Shen X

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

[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

[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

[Modified highland barley regulates lipid metabolism, liver inflammation and gut microbiota in high-fat/cholesterol diet mice as revealed by LC-MS based metabolomics.](#)**Food & function , Volume: 13 Issue: 17 2022 Aug 30**

Authors Li X,Du Y,Zhang C,Tu Z,Wang L

[Tributylin administration improves intestinal development and health in pre-weaned dairy calves fed milk replacer.](#)**Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 10 2022 Sep**

Authors Liu S,Wu J,Wu Z,Alugongo GM,Zahoor Khan M,Li J,Xiao J,He Z,Ma Y,Li S,Cao Z

[Early life administration of Bifidobacterium bifidum BD-1 alleviates long-term colitis by remodeling the gut microbiota and promoting intestinal barrier development.](#)**Frontiers in microbiology , Volume: 13 2022**

Authors Peng C,Li J,Miao Z,Wang Y,Wu S,Wang Y,Wang S,Cheng R,He F,Shen X

[Bacillus coagulans in Combination with Chitooligosaccharides Regulates Gut Microbiota and Ameliorates the DSS-Induced Colitis in Mice.](#)**Microbiology spectrum , Volume: 10 Issue: 4 2022 Aug 31**

Authors Liu Z,Jiang Z,Zhang Z,Liu T,Fan Y,Liu T,Peng N

[Dietary Goji Shapes the Gut Microbiota to Prevent the Liver Injury Induced by Acute Alcohol Intake.](#)**Frontiers in nutrition , Volume: 9 2022**

Authors Guo L,Guan Q,Duan W,Ren Y,Zhang XJ,Xu HY,Shi JS,Wang FZ,Lu R,Zhang HL,Xu ZH,Li H,Geng Y

[Mitigation of Memory Impairment with Fermented Fucoidan and ?-Carrageenan Supplementation through Modulating the Gut Microbiota and Their Metagenome Function in Hippocampal Amyloid- \$\beta\$ Infused Rats.](#)**Cells , Volume: 11 Issue: 15 2022 Jul 26**

Authors Zhang T,Wu X,Yuan H,Huang S,Park S

[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

[Lactobacillus plantarum Alleviates Obesity by Altering the Composition of the Gut Microbiota in High-Fat Diet-Fed Mice.](#)**Frontiers in nutrition , Volume: 9 2022**

Authors Ma Y,Fei Y,Han X,Liu G,Fang J

[Alteration of gut microbiota in high-fat diet-induced obese mice using carnosic acid from rosemary.](#)**Food science & nutrition , Volume: 10 Issue: 7 2022 Jul**

Authors He X,Zhang M,Li ST,Li X,Huang Q,Zhang K,Zheng X,Xu XT,Zhao DG,Ma YY

[Dietary resistant starch ameliorating lipopolysaccharide-induced inflammation in meat ducks associated with the alteration in gut microbiome and glucagon-like peptide 1 signaling.](#)**Journal of animal science and biotechnology , Volume: 13 Issue: 1 2022 Jul 15**

Authors Qin S,Bai W,Applegate TJ,Zhang K,Tian G,Ding X,Bai S,Wang J,Lv L,Peng H,Xuan Y,Zeng Q

[Codonopsis pilosula oligosaccharides modulate the gut microbiota and change serum metabolomic profiles in high-fat diet-induced obese mice.](#)**Food & function , Volume: 13 Issue: 15 2022 Aug 1**

Authors Bai R,Cui F,Li W,Wang Y,Wang Z,Gao Y,Wang N,Xu Q,Hu F,Zhang Y

[Effects of Oats, Tartary Buckwheat, and Foxtail Millet Supplementation on Lipid Metabolism, Oxido-Inflammatory](#)

Responses, Gut Microbiota, and Colonic SCFA Composition in High-Fat Diet Fed Rats.

Nutrients , Volume: 14 Issue: 13 2022 Jul 4

Authors Wang Y,Qi W,Guo X,Song G,Pang S,Fang W,Peng Z

Identification of Nordic Berries with Beneficial Effects on Cognitive Outcomes and Gut Microbiota in High-Fat-Fed Middle-Aged C57BL/6J Mice.

Nutrients , Volume: 14 Issue: 13 2022 Jun 30

Authors Huang F,Marungruang N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållenius FF,Heyman-Lindén L

The Effects of Time-Restricted Eating on Metabolism and Gut Microbiota: A Real-Life Study.

Nutrients , Volume: 14 Issue: 13 2022 Jun 21

Authors Ferrocino I,Pellegrini M,D'Eusebio C,Goitre I,Ponzo V,Fadda M,Rosato R,Mengozzi G,Beccuti G,Merlo FD,Rahimi F,Comazzi I,Cocolin L,Ghigo E,Bo S

Effects of Lactobacillus casei on Iron Metabolism and Intestinal Microflora in Rats Exposed to Alcohol and Iron.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 33 Issue: 6 2022 Jun

Authors Li X,Liang H

Postbiotic heat-killed lactobacilli modulates on body weight associated with gut microbiota in a pig model.

AMB Express , Volume: 12 Issue: 1 2022 Jun 29

Authors Ryu S,Kyoung H,Park KI,Oh S,Song M,Kim Y

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

Polyphenols and Polysaccharides from Morus alba L. Fruit Attenuate High-Fat Diet-Induced Metabolic Syndrome Modifying the Gut Microbiota and Metabolite Profile.

Foods (Basel, Switzerland) , Volume: 11 Issue: 12 2022 Jun 20

Authors Wan M,Li Q,Lei Q,Zhou D,Wang S

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

Beneficial Effects of Linseed Supplementation on Gut Mucosa-Associated Microbiota in a Physically Active Mouse Model of Crohn's Disease.

International journal of molecular sciences , Volume: 23 Issue: 11 2022 May 24

Authors Plissonneau C,Sivignon A,Chassaing B,Capel F,Martin V,Etienne M,Wawrzyniak I,Chausse P,Dutheil F,Maïresse G,Chesneau G,Boisseau N,Barnich N

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

MiYa Improves Osteoarthritis Characteristics via the Gut-Muscle-Joint Axis According to Multi-Omics Analyses.

Frontiers in pharmacology , Volume: 13 2022

Authors Xu T,Yang D,Liu K,Gao Q,Liu Z,Li G

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

[Antioxidant potential of *Pediococcus pentosaceus* strains from the sow milk bacterial collection in weaned piglets.](#)

Microbiome , Volume: 10 Issue: 1 2022 Jun 1

Authors Wang L,Liu Q,Chen Y,Zheng X,Wang C,Qi Y,Dong Y,Xiao Y,Chen C,Chen T,Huang Q,Zhai Z,Long C,Yang H,Li J,Wang L,Zhang G,Liao P,Liu YX,Huang P,Huang J,Wang Q,Chu H,Yin J,Yin Y

[Combination of *Houttuynia cordata* polysaccharide and *Lactiplantibacillus plantarum* P101 alleviates acute liver injury by regulating gut microbiota in mice.](#)

Journal of the science of food and agriculture , Volume: 102 Issue: 15 2022 Dec

Authors Xu X,Liu S,Zhao Y,Wang M,Hu L,Li W,Xu H

[Effects of Different Ionic Polysaccharides in Cooked Lean Pork Batters on Intestinal Health in Mice.](#)

Foods (Basel, Switzerland) , Volume: 11 Issue: 10 2022 May 10

Authors Yu X,Zou LF,Xiong JH,Pan JZ,Li PJ,Chen CG

[Arginine-mediated gut microbiome remodeling promotes host pulmonary immune defense against nontuberculous mycobacterial infection.](#)

Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec

Authors Kim YJ, Lee JY, Lee JJ, Jeon SM, Silwal P, Kim IS, Kim HJ, Park CR, Chung C, Han JE, Choi JW, Tak EJ, Yoo JH, Jeong SW, Kim DY, Ketphan W, Kim SY, Jhun BW, Whang J, Kim JM, Eoh H, Bae JW, Jo EK

[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

[Codonopsis pilosula Polysaccharide Improved Spleen Deficiency in Mice by Modulating Gut Microbiota and Energy Related Metabolisms.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Cao L,Du C,Zhai X,Li J,Meng J,Shao Y,Gao J

[Pomegranate peel polyphenols interaction with intestinal flora and its metabolic transformation.](#)

Xenobiotica; the fate of foreign compounds in biological systems , Volume: 52 Issue: 5 2022 May

Authors Shi H,Yang J,Li J

[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

[Potential Effects of Sucralose and Saccharin on Gut Microbiota: A Review.](#)

Nutrients , Volume: 14 Issue: 8 2022 Apr 18

Authors Del Pozo S,Gómez-Martínez S,Díaz LE,Nova E,Urriarte R,Marcos A

[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

[Relandscaping the Gut Microbiota with a Whole Food: Dose-Response Effects to Common Bean.](#)

Foods (Basel, Switzerland) , Volume: 11 Issue: 8 2022 Apr 15

Authors Lutsiv T,McGinley JN,Neil-McDonald ES,Weir TL,Foster MT,Thompson HJ

[Classification of the Occurrence of Dyslipidemia Based on Gut Bacteria Related to Barley Intake.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Nishimura M,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J

[Effects of Ramadan and Non-ramadan Intermittent Fasting on Gut Microbiome.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Mousavi SN,Rayyani E,Heshmati J,Tavasolian R,Rahimlou M

[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

[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

Panax quinquefolius Polysaccharides Ameliorate Antibiotic-Associated Diarrhoea Induced by Lincomycin Hydrochloride in Rats via the MAPK Signaling Pathways.

Journal of immunology research , Volume: 2022 2022

Authors Ren DD,Li SS,Lin HM,Xia YS,Li ZM,Bo PP,Mu R,Zhao LJ,Sun YS

High-Salt Diet Induces Depletion of Lactic Acid-Producing Bacteria in Murine Gut.

Nutrients , Volume: 14 Issue: 6 2022 Mar 10

Authors Hamad I,Cardilli A,Côrte-Real BF,Dyczko A,Vangronsveld J,Kleinewietfeld M

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

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

Effects of Whole Brown Bean and Its Isolated Fiber Fraction on Plasma Lipid Profile, Atherosclerosis, Gut Microbiota, and Microbiota-Dependent Metabolites in Apoe(-/-) Mice.

Nutrients , Volume: 14 Issue: 5 2022 Feb 22

Authors Liu J,Hefni ME,Witthöft CM,Bergström M,Burleigh S,Nyman M,Hållenius F

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

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

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

Polydextrose Alleviates Adipose Tissue Inflammation and Modulates the Gut Microbiota in High-Fat Diet-Fed Mice.

Frontiers in pharmacology , Volume: 12 2021

Authors Hu Q,Niu Y,Yang Y,Mao Q,Lu Y,Ran H,Zhang H,Li X,Gu H,Su Q

Morus alba L. water extract changes gut microbiota and fecal metabolome in mice induced by high-fat and high-sucrose diet plus low-dose streptozotocin.

Phytotherapy research : PTR , Volume: 36 Issue: 3 2022 Mar

Authors Du Y,Li DX,Lu DY,Zhang R,Zheng XX,Xu BJ,Zhao YL, Ji S,Guo MZ,Wang L,Tang DQ

Modulation of Intestinal Barrier, Inflammatory Response, and Gut Microbiota by *Pediococcus pentosaceus* zy-B Alleviates *Vibrio parahaemolyticus* Infection in C57BL/6J Mice.

Journal of agricultural and food chemistry , Volume: 70 Issue: 6 2022 Feb 16

Authors Wang R,Deng Y,Zhang Y,Li X,Sun L,Deng Q,Liu Y,Gooneratne R,Li J

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

Apigenin Alleviates Obesity-Associated Metabolic Syndrome by Regulating the Composition of the Gut Microbiome.

Frontiers in microbiology , Volume: 12 2021

Authors Qiao Y,Zhang Z,Zhai Y,Yan X,Zhou W,Liu H,Guan L,Peng L

Oligosaccharide and Flavanoid Mediated Prebiotic Interventions to Treat Gut Dysbiosis Associated Cognitive Decline.

Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology , Volume: 17 Issue: 1-2 2022 Jun

Authors Sarkar SR,Mazumder PM,Banerjee S

Pediococcus pentosaceus CECT 8330 protects DSS-induced colitis and regulates the intestinal microbiota and immune responses in mice.

Journal of translational medicine , Volume: 20 Issue: 1 2022 Jan 15

Authors Dong F,Xiao F,Li X,Li Y,Wang X,Yu G,Zhang T,Wang Y

Dietary Supplementation with Goji Berries (Lycium barbarum) Modulates the Microbiota of Digestive Tract and Caecal Metabolites in Rabbits.

Animals : an open access journal from MDPI , Volume: 12 Issue: 1 2022 Jan 5

Authors Cremonesi P,Curone G,Biscarini F,Cotozzolo E,Menchetti L,Riva F,Marongiu ML,Castiglioni B,Barbato O,Munga A,Castrica M,Vigo D,Sulce M,Quattrone A,Agradi S,Brecchia G

Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.

International journal of molecular sciences , Volume: 23 Issue: 1 2021 Dec 24

Authors Wellington VNA,Sundaram VL,Singh S,Sundaram U

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

Effects of Berberine on Gut Microbiota in Patients with Mild Metabolic Disorders Induced by Olanzapine.

The American journal of Chinese medicine , Volume: 49 Issue: 8 2021

Authors Pu Z,Sun Y,Jiang H,Hou Q,Yan H,Wen H,Li G

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

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

A polysaccharide isolated from Ganoderma lucidum ameliorates hyperglycemia through modulating gut microbiota in type 2 diabetic mice.

International journal of biological macromolecules , Volume: 197 2022 Feb 1

Authors Shao W,Xiao C,Yong T,Zhang Y,Hu H,Xie T,Liu R,Huang L,Li X,Xie Y,Zhang J,Chen S,Cai M,Chen D,Liu Y,Gao X,Wu Q

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

Supplementation of chicory root powder as an alternative to antibiotic growth promoter on gut pH, gut microflora and gut histomorphometry of male broilers.

PloS one , Volume: 16 Issue: 12 2021

Authors Gurram S,V CP,K VL,M V L N R,M V,Bora S

Gut microbiota modulation as a possible mediating mechanism for fasting-induced alleviation of metabolic complications: a systematic review.

Nutrition & metabolism , Volume: 18 Issue: 1 2021 Dec 14

Authors Angoorani P,Ejtahed HS,Hasani-Ranjbar S,Siadat SD,Soroush AR,Larijani B

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

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 plantarum ZJUB2 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

Vitamin A Deficiency Exacerbates Gut Microbiota Dysbiosis and Cognitive Deficits in Amyloid Precursor Protein/Presenilin 1 Transgenic Mice.**Frontiers in aging neuroscience** , Volume: 13 2021

Authors Chen BW,Zhang KW,Chen SJ,Yang C,Li PG

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

Growth performance, internal organ traits, intestinal morphology, and microbial population of broiler chickens fed quinoa seed-based diets with phytase or protease supplements and their combination.**Tropical animal health and production** , Volume: 53 Issue: 6 2021 Nov 6

Authors Amiri MYA,Jafari MA,Irani M

Chitooligosaccharides: Digestion characterization and effect of the degree of polymerization on gut microorganisms to manage the metabolome functional diversity in vitro.**Carbohydrate polymers** , Volume: 275 2022 Jan 1

Authors Ji X,Zhu L,Chang K,Zhang R,Chen Y,Yin H,Jin J,Zhao L

Effect of organic acids-essential oils blend and oat fiber combination on broiler chicken growth performance, blood parameters, and intestinal health.**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 7 Issue: 4 2021 Dec

Authors Adewole DI,Oladokun S,Santin E

In Vitro Transformation of Protopanaxadiol Saponins in Human Intestinal Flora and Its Effect on Intestinal Flora.**Evidence-based complementary and alternative medicine : eCAM** , Volume: 2021 2021

Authors Zhang M,Wang Y,Wu Y,Li F,Han M,Dai Y,Zheng F,Yue H

Integrating Serum Metabolome and Gut Microbiome to Evaluate the Benefits of Lauric Acid on Lipopolysaccharide-Challenged Broilers.**Frontiers in immunology** , Volume: 12 2021

Authors Wu Y,Li Q,Liu J,Liu Y,Xu Y,Zhang R,Yu Y,Wang Y,Yang C

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

Alleviation Effects of Bifidobacterium animalis subsp. lactis XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.**Microorganisms** , Volume: 9 Issue: 10 2021 Oct 3

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

Supplementation with Lactiplantibacillus plantarum IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.

International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16

Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C

Alterations in Faecal Microbiota and Elevated Levels of Intestinal IgA Following Oral Administration of Lactobacillus 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

Berberine Alleviates Non-alcoholic Steatohepatitis Through Modulating Gut Microbiota Mediated Intestinal FXR Activation.

Frontiers in pharmacology , Volume: 12 2021

Authors Shu X,Li M,Cao Y,Li C,Zhou W,Ji G,Zhang L

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

Novel β -mannanase/GLP-1 fusion peptide high effectively ameliorates obesity in a mouse model by modifying balance of gut microbiota.

International journal of biological macromolecules , Volume: 191 2021 Nov 30

Authors Wang Y,Ablimit N,Zhang Y,Li J,Wang X,Liu J,Miao T,Wu L,Wang H,Wang Z,Lou H,Jiang W

Oral iron supplementation after antibiotic exposure induces a deleterious recovery of the gut microbiota.

BMC microbiology , Volume: 21 Issue: 1 2021 Sep 28

Authors Cuisinieri T,Calvé A,Fragoso G,Olivero M,Hajjar R,Gonzalez E,Santos MM

The Gut Microbiota during a Behavioral Weight Loss Intervention.

Nutrients , Volume: 13 Issue: 9 2021 Sep 18

Authors Stanislowski MA, Frank DN,Borengasser SJ,Ostendorf DM,Ir D,Jambal P,Bing K,Wayland L,Siebert JC,Bessesen DH,MacLean PS,Melanson EL,Catenacci VA

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

The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.

Advances in nutrition (Bethesda, Md.) , 2021 Sep 23

Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD

Glyphosate-induced gut microbiota dysbiosis facilitates male reproductive toxicity in rats.

The Science of the total environment , Volume: 805 2022 Jan 20

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

The role of genotype and diet in shaping gut microbiome in a genetic Vitamin A deficient mouse model.

Journal of genetics and genomics = Yi chuan xue bao , 2021 Sep 16

Authors Xu J,Zhang JN,Sun BH,Liu Q, Ma J,Zhang Q,Liu YX,Chen N,Chen F

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

Gut microbiota from green tea polyphenol-dosed mice improves intestinal epithelial homeostasis and ameliorates experimental colitis.

Microbiome , Volume: 9 Issue: 1 2021 Sep 7

Authors Wu Z,Huang S,Li T,Li N,Han D,Zhang B,Xu ZZ,Zhang S,Pang J,Wang S,Zhang G,Zhao J,Wang J

Inulin-type prebiotics reduce serum uric acid levels via gut microbiota modulation: a randomized, controlled crossover trial in peritoneal dialysis patients.

European journal of nutrition , Volume: 61 Issue: 2 2022 Mar

Authors He S,Xiong Q,Tian C,Li L,Zhao J,Lin X,Guo X,He Y,Liang W,Zuo X,Ying C

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

Systematic Review of the Effects of Oat Intake on Gastrointestinal Health.

The Journal of nutrition , 2021 Sep 6

Authors Valido E,Stoyanov J,Bertolo A,Hertig-Godeschalk A,Zeh RM,Flueck JL,Minder B,Stojic S,Metzger B,Bussler W,Muka T,Kern H,Glisic M

Quercetin modulates the gut microbiota as well as the metabolome in a rat model of osteoarthritis.

Bioengineered , Volume: 12 Issue: 1 2021 Dec

Authors Lan H,Hong W,Qian D,Peng F,Li H,Liang C,Du M,Gu J,Mai J,Bai B,Peng G

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

Clostridium butyricum MIYAIRI 588 Modifies Bacterial Composition under Antibiotic-Induced Dysbiosis for the Activation of Interactions via Lipid Metabolism between the Gut Microbiome and the Host.

Biomedicines , Volume: 9 Issue: 8 2021 Aug 22

Authors Ariyoshi T,Hagihara M,Tomono S,Eguchi S,Minemura A,Miura D,Oka K,Takahashi M,Yamagishi Y,Mikamo H

Spirulina platensis polysaccharides attenuate lipid and carbohydrate metabolism disorder in high-sucrose and high-fat diet-fed rats in association with intestinal microbiota.

Food research international (Ottawa, Ont.) , Volume: 147 2021 Sep

Authors Li TT,Huang ZR,Jia RB,Lv XC,Zhao C,Liu B

A randomized, placebo-controlled trial investigating the acute and chronic benefits of American Ginseng (Cereboost®) on mood and cognition in healthy young adults, including in vitro investigation of gut microbiota changes as a possible mechanism of action.

European journal of nutrition , 2021 Aug 15

Authors Bell L,Whyte A,Duysburgh C,Marzorati M,Van den Abbeele P,Le Cozannet R,Fança-Berthon P,Fromentin E,Williams C

Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.

Frontiers in nutrition , Volume: 8 2021

Authors Karakan T,Tuohy KM,Janssen-van Solingen G

Kaempferol Alleviates Murine Experimental Colitis by Restoring Gut Microbiota and Inhibiting the LPS-TLR4-NF- κ B Axis.

Frontiers in immunology , Volume: 12 2021

Authors Qu Y,Li X,Xu F,Zhao S,Wu X,Wang Y,Xie J

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

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 ginseng soluble dietary fiber on serum antioxidant status, immune factor levels and cecal health in healthy rats.

Food chemistry , Volume: 365 2021 Jul 20

Authors Hua M,Liu Z,Sha J,Li S,Dong L,Sun Y

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

Serum metabolome and gut microbiome alterations in broiler chickens supplemented with lauric acid.

Poultry science , Volume: 100 Issue: 9 2021 Sep

Authors Wu Y,Zhang H,Zhang R,Cao G,Li Q,Zhang B,Wang Y,Yang C

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

Natural capsicum extract replacing chlortetracycline enhances performance via improving digestive enzyme activities, antioxidant capacity, anti-inflammatory function, and gut health in weaned pigs.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 2 2021 Jun

Authors Long S,Liu S,Wang J,Mahfuz S,Piao X

Dietary Supplementation with Inulin Modulates the Gut Microbiota and Improves Insulin Sensitivity in Prediabetes.

International journal of endocrinology , Volume: 2021 2021

Authors Wang X,Wang T,Zhang Q,Xu L,Xiao X

Cranberry (*Vaccinium macrocarpon*) dietary supplementation and fecal microbiota of Wistar rats.

AIMS microbiology , Volume: 7 Issue: 2 2021

Authors Chettaoui R,Mayot G,De Almeida L,Di Martino P

Punicic acid ameliorates obesity and liver steatosis by regulating gut microbiota composition in mice.

Food & function , 2021 Jul 9

Authors Yuan G,Tan M,Chen X

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

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

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

Flavonoids from Whole-Grain Oat Alleviated High-Fat Diet-Induced Hyperlipidemia via Regulating Bile Acid Metabolism and Gut Microbiota in Mice.

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

Authors Duan R,Guan X,Huang K,Zhang Y,Li S,Xia J,Shen M

Effects of Fermented Milk Containing *Lactocaseibacillus paracasei* Strain Shirota 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

Perinatal High-Salt Diet Induces Gut Microbiota Dysbiosis, Bile Acid Homeostasis Disbalance, and NAFLD in Weanling Mice Offspring.

Nutrients , Volume: 13 Issue: 7 2021 Jun 22

Authors Guo Q,Tang Y,Li Y,Xu Z,Zhang D,Liu J,Wang X,Xia W,Xu S

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

Timing of Tributyrin Supplementation Differentially Modulates Gastrointestinal Inflammation and Gut Microbial Recolonization Following Murine Ileocecal Resection.**Nutrients** , Volume: 13 Issue: 6 2021 Jun 17

Authors Mocanu V,Park H,Dang J,Hotte N,Thiesen A,Laffin M,Wang H,Birch D,Madsen K

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

Drinking Water with Saccharin Sodium Alters the Microbiota-Gut-Hypothalamus Axis in Guinea Pig.**Animals : an open access journal from MDPI** , Volume: 11 Issue: 7 2021 Jun 23

Authors Li J,Zhu S,Lv Z,Dai H,Wang Z,Wei Q,Hamdard E,Mustafa S,Shi F,Fu Y

Effects of Lactobacillus rhamnosus and Enterococcus faecalis Supplementation as Direct-Fed Microbials on Rumen Microbiota of Boer and Speckled Goat Breeds.**Veterinary sciences** , Volume: 8 Issue: 6 2021 Jun 7

Authors Maake TW,Aiyegoro OA,Adeleke MA

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

Protective effect of Bifidobacterium bifidum FSDJN705 and Bifidobacterium breve FHNQ23M3 on diarrhea caused by enterotoxigenic Escherichia coli.**Food & function** , Volume: 12 Issue: 16 2021 Aug 21

Authors Yang B ,Huang Z ,He Z ,Yue Y ,Zhou Y ,Ross RP ,Stanton C ,Zhang H ,Zhao J ,Chen W

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 Nguénam JR,Momo Kenfack CH,Foko Kouam EM,Kaktcham PM,Maharjan R,Ngoufack FZ

Dietary resveratrol attenuation of intestinal inflammation and oxidative damage is linked to the alteration of gut microbiota and butyrate in piglets challenged with deoxynivalenol.**Journal of animal science and biotechnology** , Volume: 12 Issue: 1 2021 Jun 16

Authors Qiu Y,Yang J,Wang L,Yang X,Gao K,Zhu C,Jiang Z

Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.**Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation** , 2021 Jun 11

Authors Birute A,Cross TL,Allen JM,Kistler BM,de Loo H,Evenepoel P,Fahey GC Jr,Bauer L,Swanson KS,Wilund KR

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

Chicken-eaters and pork-eaters have different gut microbiota and tryptophan metabolites.**Scientific reports** , Volume: 11 Issue: 1 2021 Jun 7

Authors Shi J,Zhao D,Zhao F,Wang C,Zamaratskaia G,Li C

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

A diet high in sugar and fat influences neurotransmitter metabolism and then affects brain function by altering the gut microbiota.

Translational psychiatry , Volume: 11 Issue: 1 2021 May 27

Authors Guo Y,Zhu X,Zeng M,Qi L,Tang X,Wang D,Zhang M,Xie Y,Li H,Yang X,Chen D

Saccharomyces cerevisiae boulardii CNCM I-1079 supplementation in finishing male pigs helps to cope with heat stress through feeding behaviour and gut microbiota modulation.

The British journal of nutrition , Volume: 127 Issue: 3 2022 Feb 14

Authors Labussière E,Achard C,Dubois S,Combes S,Castex M,Renaudeau D

Beneficial gut microbiome remodeled during intermittent fasting in humans.

Rejuvenation research , 2021 May 27

Authors Larrick JW,Mendelsohn AR,Larrick J

Partially hydrolyzed guar gum attenuates non-alcoholic fatty liver disease in mice through the gut-liver axis.

World journal of gastroenterology , Volume: 27 Issue: 18 2021 May 14

Authors Takayama S,Katada K,Takagi T,Iida T,Ueda T,Mizushima K,Higashimura Y,Morita M,Okayama T,Kamada K,Uchiyama K,Handa O,Ishikawa T,Yasukawa Z,Okubo T,Itoh Y,Naito Y

Fecal microbiota from children with vitamin A deficiency impair colonic barrier function in germ-free mice: The possible role of alterative bile acid metabolites.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 90 2021 Oct

Authors Feng D,Chen B,Zeng B,Xiao L,Yan J,Yang T,Zhu J,Li T,Wang L,Wei H,Chen J

Effect of fucoidan on ethanol-induced liver injury and steatosis in mice and the underlying mechanism.

Food & nutrition research , Volume: 65 2021

Authors Xue M,Liang H,Zhou Z,Liu Y,He X,Zhang Z,Sun T,Yang J,Qin Y,Qin K

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

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,Hong YB,Chen WJ,Hua KF,Dybus A,Yu YH

Sargassum fusiforme fucoidan modifies gut microbiota and intestinal metabolites during alleviation of hyperglycemia in type 2 diabetic mice.

Food & function , Volume: 12 Issue: 8 2021 Apr 26

Authors Wu Q,Wu S,Cheng Y,Zhang Z,Mao G,Li S,Yang Y,Zhang X,Wu M,Tong H

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

Modulation of the fecal microbiome and metabolome by resistant dextrin ameliorates hepatic steatosis and mitochondrial abnormalities in mice.

Food & function , 2021 Apr 22

Authors Zhang Z,Chen X,Cui B

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

Polysaccharides of Sporoderm-Broken Spore of Ganoderma lucidum Modulate Adaptive Immune Function via Gut

Microbiota Regulation.**Evidence-based complementary and alternative medicine : eCAM , Volume: 2021 2021**

Authors Su L,Li D,Su J,Zhang E,Chen S,Zheng C,Luo T,Li M,Chen X,Huang G,Xie Y,Li S

Remodeling of the gut microbiome during Ramadan-associated intermittent fasting.**The American journal of clinical nutrition , Volume: 113 Issue: 5 2021 May 8**

Authors Su J,Wang Y,Zhang X,Ma M,Xie Z,Pan Q,Ma Z,Peppelenbosch MP

The Anti-Inflammatory Effect and Mucosal Barrier Protection of *Clostridium butyricum* RH2 in Ceftriaxone-Induced Intestinal Dysbacteriosis.**Frontiers in cellular and infection microbiology , Volume: 11 2021**

Authors Li Y,Liu M,Liu H,Sui X,Liu Y,Wei X,Liu C,Cheng Y,Ye W,Gao B,Wang X,Lu Q,Cheng H,Zhang L,Yuan J,Li M

Konjac Oligosaccharides Modulate the Gut Environment and Promote Bone Health in Calcium-Deficient Mice.**Journal of agricultural and food chemistry , Volume: 69 Issue: 15 2021 Apr 21**

Authors Ai T,Hao L,Shang L,Wang L,Li B,Li J

Implications of Tributyrin on Gut Microbiota Shifts Related to Performances of Weaning Piglets.**Microorganisms , Volume: 9 Issue: 3 2021 Mar 12**

Authors Miragoli F,Patrone V,Prandini A,Sigolo S,Dell`Anno M,Rossi L,Senizza A,Morelli L,Callegari ML

Lactocaseibacillus 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

Cloudy Apple Juice Fermented by *Lactobacillus* Prevents Obesity via Modulating Gut Microbiota and Protecting Intestinal Tract Health.**Nutrients , Volume: 13 Issue: 3 2021 Mar 17**

Authors Han M,Zhang M,Wang X,Bai X,Yue T,Gao Z

A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial.**Nutrients , Volume: 13 Issue: 4 2021 Mar 27**

Authors Barnett MPG,Young W,Armstrong K,Brewster D,Cooney JM,Ellett S,Espley RV,Laing W,Maclean P,McGhie T,Pringle G,Roy NC,Ferguson LR

Ingestion of High β -Glucan Barley Flour Enhances the Intestinal Immune System of Diet-Induced Obese Mice by Prebiotic Effects.**Nutrients , Volume: 13 Issue: 3 2021 Mar 11**

Authors Mio K,Otake N,Nakashima S,Matsuoka T,Aoe S

[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

Ancient grains as novel dietary carbohydrate sources in canine diets.**Journal of animal science , Volume: 99 Issue: 6 2021 Jun 1**

Authors Traughber ZT,He F,Hoke JM,Davenport GM,Rodríguez-Zas SL,Southey BR,de Godoy MRC

Effects of *Lactobacillus salivarius* isolated from feces of fast-growing pigs on intestinal microbiota and morphology of suckling piglets.**Scientific reports , Volume: 11 Issue: 1 2021 Mar 24**

Authors Moturi J,Kim KY,Hosseindoust A,Lee JH,Xuan B,Park J,Kim EB,Kim JS,Chae BJ

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

Potato resistant starch inhibits diet-induced obesity by modifying the composition of intestinal microbiota and their metabolites in obese mice.**International journal of biological macromolecules , Volume: 180 2021 Mar 9**

Authors Liang D,Zhang L,Chen H,Zhang H,Hu H,Dai X

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

Gut Microbiota Variation With Short-Term Intake of Ginger Juice on Human Health.

Frontiers in microbiology , Volume: 11 2020

Authors Wang X,Zhang D,Jiang H,Zhang S,Pang X,Gao S,Zhang H,Zhang S,Xiao Q,Chen L,Wang S,Qi D,Li Y

Ramadan Fasting Leads to Shifts in Human Gut Microbiota Structured by Dietary Composition.

Frontiers in microbiology , Volume: 12 2021

Authors Ali I,Liu K,Long D,Faisal S,Hilal MG,Ali I,Huang X,Long R

Lactobacillus plantarum and Bifidobacterium bifidum alleviate dry eye in mice with exorbital lacrimal gland excision by modulating gut inflammation and microbiota.

Food & function , Volume: 12 Issue: 6 2021 Mar 21

Authors Yun SW,Son YH,Lee DY,Shin YJ,Han MJ,Kim DH

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

Antibiofilm effects of Thymus vulgaris and Hyptis spicigera essential oils on cariogenic bacteria.

Future microbiology , Volume: 16 2021 Mar

Authors de Oliveira MA,da C Vegian MR,Brighenti FL,Salvador MJ,Koga-Ito CY

Effects of colon-targeted vitamins on the composition and metabolic activity of the human gut microbiome- a pilot study.

Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Pham VT,Fehlbaum S,Seifert N,Richard N,Bruins MJ,Sybesma W,Rehman A,Steinert RE

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

Effects of Synbiotic Supplementation on Chronic Inflammation and the Gut Microbiota in Obese Patients with Type 2 Diabetes Mellitus: A Randomized Controlled Study.

Nutrients , Volume: 13 Issue: 2 2021 Feb 8

Authors Kanazawa A,Aida M,Yoshida Y,Kaga H,Katahira T,Suzuki L,Tamaki S,Sato J,Goto H,Azuma K,Shimizu T,Takahashi T,Yamashiro Y,Watada H

Lactobacillus fermentum CECT5716 ameliorates high fat diet-induced obesity in mice through modulation of gut microbiota dysbiosis.

Pharmacological research , 2021 Jan 30

Authors Molina-Tijeras JA,Diez-Echave P,Vezza T,Hidalgo-García L,Ruiz-Malagón AJ,Rodríguez-Sojo MJ,Romero M,Robles-Vera I,García F,Plaza-Díaz J,Oliveras M,Duarte J,Rodríguez-Cabezas ME,Rodríguez-Nogales A,Gálvez J

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

Effect of Lactobacillus casei on lipid metabolism and intestinal microflora in patients with alcoholic liver injury.

European journal of clinical nutrition , 2021 Jan 29

Authors Li X,Liu Y,Guo X,Ma Y,Zhang H,Liang H

Luteolin, inflammation and cancer: Special emphasis on gut microbiota.

BioFactors (Oxford, England) , Volume: 47 Issue: 2 2021 Mar

Authors Franza L,Carusi V,Nucera E,Pandolfi F

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

Berberine ameliorates ovariectomy-induced anxiety-like behaviors by enrichment in equal 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

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

Luteolin alleviates inflammation and modulates gut microbiota in ulcerative colitis rats.**Life sciences** , Volume: 269 2021 Mar 15

Authors Li B,Du P,Du Y,Zhao D,Cai Y,Yang Q,Guo Z

Inulin ameliorates schizophrenia via modulation of the gut microbiota and anti-inflammation in mice.**Food & function** , Volume: 12 Issue: 3 2021 Feb 15

Authors Guo L,Xiao P,Zhang X,Yang Y,Yang M,Wang T,Lu H,Tian H,Wang H,Liu J

Dietary Inulin Supplementation Modulates Short-Chain Fatty Acid Levels and Cecum Microbiota Composition and Function in Chickens Infected With Salmonella.**Frontiers in microbiology** , Volume: 11 2020

Authors Song J,Li Q,Everaert N,Liu R,Zheng M,Zhao G,Wen J

Blueberry and cranberry anthocyanin extracts reduce bodyweight and modulate gut microbiota in C57BL/6 J 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

Mexican Ganoderma Lucidum Extracts Decrease Lipogenesis Modulating Transcriptional Metabolic Networks and Gut Microbiota in C57BL/6 Mice Fed with a High-Cholesterol Diet.**Nutrients** , Volume: 13 Issue: 1 2020 Dec 24

Authors Romero-Córdoba SL,Salido-Guadarrama I,Meneses ME,Cosentino G,Iorio MV,Tagliabue E,Torres N,Sánchez-Tapia M,Bonilla M,Castillo I,Petlacalco B,Tovar AR,Martínez-Carrera D

Graded dietary resistant starch concentrations on apparent total tract macronutrient digestibility and fecal fermentative end products and microbial populations of healthy adult dogs.**Journal of animal science** , Volume: 99 Issue: 1 2021 Jan 1

Authors Beloshapka AN,Cross TL,Swanson KS

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

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,Evvie SE,Liu D,Dong J,Huo G,Li B

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

Berberine improves colitis by triggering AhR activation by microbial tryptophan catabolites.

Pharmacological research , Volume: 164 2021 Feb

Authors Jing W,Dong S,Luo X,Liu J,Wei B,Du W,Yang L,Luo H,Wang Y,Wang S,Lu H

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

Resistant starch intake alleviates collagen-induced arthritis in mice by modulating gut microbiota and promoting concomitant propionate production.

Journal of autoimmunity , Volume: 116 2021 Jan

Authors Bai Y,Li Y,Marion T,Tong Y,Zaiss MM,Tang Z,Zhang Q,Liu Y,Luo Y

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

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

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

New strain of Pedicoccus pentosaceus alleviates ethanol-induced liver injury by modulating the gut microbiota and short-chain fatty acid metabolism.

World journal of gastroenterology , Volume: 26 Issue: 40 2020 Oct 28

Authors Jiang XW,Li YT,Ye JZ,Lv LX,Yang LY,Bian XY,Wu WR,Wu JJ,Shi D,Wang Q,Fang DQ,Wang KC,Wang QQ,Lu YM,Xie JJ,Li LJ

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,Hong YB,Cheng YH

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 Paytuví-Gallart A,Sanseverino W,Winger AM

Effects of manganese and Bacillus subtilis on the reproductive performance, egg quality, antioxidant capacity, and gut microbiota of breeding geese during laying period.

Poultry science , Volume: 99 Issue: 11 2020 Nov

Authors Wang Y,Wang H,Wang B,Zhang B,Li W

1-Deoxynojirimycin from mulberry leaves changes gut digestion and microbiota composition in geese.

Poultry science , Volume: 99 Issue: 11 2020 Nov

Authors Hou Q,Qian Z,Wu P,Shen M,Li L,Zhao W

Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice.

European journal of nutrition , Volume: 60 Issue: 4 2021 Jun

Authors Guo Y,Yu Y,Li H,Ding X,Li X,Jing X,Chen J,Liu G,Lin Y,Jiang C,Liu Z,He Y,Li C,Tian Z

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

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

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

Intermittent Fasting Improves Cardiometabolic Risk Factors and Alters Gut Microbiota in Metabolic Syndrome Patients.

The Journal of clinical endocrinology and metabolism , Volume: 106 Issue: 1 2021 Jan 1

Authors Guo Y,Luo S,Ye Y,Yin S,Fan J,Xia M

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

The Effect of Coconut Oil Addition to Feed of Pigs on Rectal Microbial Diversity and Bacterial Abundance.

Animals : an open access journal from MDPI , Volume: 10 Issue: 10 2020 Sep 29

Authors Rolínek M,Medo J,Gábor M,Miluchová M,Bíro D,Šimko M,Juráček M,Hanušový O,Schubertová Z,Gálik B

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

Lactobacillus fermentum CQPC06 in naturally fermented pickles prevents non-alcoholic fatty liver disease by stabilizing the gut-liver axis in mice.

Food & function , Volume: 11 Issue: 10 2020 Oct 21

Authors Mu J,Tan F,Zhou X,Zhao X

Berberine alleviates type 2 diabetic symptoms by altering gut microbiota and reducing aromatic amino acids.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 131 2020 Nov

Authors Yao Y,Chen H,Yan L,Wang W,Wang D

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

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

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

Differences in Intestinal Metabolism of Ginseng Between Normal and Immunosuppressed Rats.

European journal of drug metabolism and pharmacokinetics , Volume: 46 Issue: 1 2021 Jan

Authors Zhu JH,Xu JD,Zhou SS,Zhang XY,Zhou J,Kong M,Mao Q,Zhu H,Li SL

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

Prebiotics Improved the Defecation Status via Changes in the Microbiota and Short-chain Fatty Acids in Hemodialysis Patients.

The Kobe journal of medical sciences , Volume: 66 Issue: 1 2020 Apr 1

Authors Miyoshi M,Shiroto A,Kadoguchi H,Usami M,Hori Y

An appraisal of the gut health modulatory effects of a calf faecal-origin probiotic Lactobacillus salivarius CPN60 using Wistar rats with dextran sulfate sodium-induced colitis.

Journal of the science of food and agriculture , Volume: 101 Issue: 4 2021 Mar 15

Authors Gupta M,Pattanaik AK,Singh A,Sharma S,Jadhav SE

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

Characterizing the gut microbiota in females with infertility and preliminary results of a water-soluble dietary fiber intervention study.

Journal of clinical biochemistry and nutrition , Volume: 67 Issue: 1 2020 Jul

Authors Komiya S,Naito Y,Okada H,Matsuo Y,Hirota K,Takagi T,Mizushima K,Inoue R,Abe A,Morimoto Y

Epigallocatechin-3-gallate (EGCG) attenuates non-alcoholic fatty liver disease via modulating the interaction between gut

microbiota and bile acids.**Journal of clinical biochemistry and nutrition** , Volume: 67 Issue: 1 2020 Jul

Authors Naito Y,Ushiroda C,Mizushima K,Inoue R,Yasukawa Z,Abe A,Takagi T

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

High Salt Elicits Brain Inflammation and Cognitive Dysfunction, Accompanied by Alterations in the Gut Microbiota and Decreased SCFA Production.**Journal of Alzheimer`s disease : JAD** , 2020 Jul 25

Authors Hu L,Zhu S,Peng X,Li K,Peng W,Zhong Y,Kang C,Cao X,Liu Z,Zhao B

Long-Term Intake of Pork Meat Proteins Altered the Composition of Gut Microbiota and Host-Derived Proteins in the Gut Contents of Mice.**Molecular nutrition & food research** , Volume: 64 Issue: 17 2020 Sep

Authors Xie Y,Wang C,Zhao D,Zhou C,Li C

Dietary Mannan-oligosaccharides potentiate the beneficial effects of Bifidobacterium bifidum in broiler chicken.**Letters in applied microbiology** , Volume: 71 Issue: 5 2020 Nov

Authors Dev K,Akbar Mir N,Biswas A,Kannoujia J,Begum J,Kant R

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

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

Sex-Specific Differences in the Gut Microbiome in Response to Dietary Fiber Supplementation in IL-10-Deficient Mice.**Nutrients** , Volume: 12 Issue: 7 2020 Jul 15

Authors Zhang Z,Hyun JE,Thiesen A,Park H,Hotte N,Watanabe H,Higashiyama T,Madsen KL

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

Dietary α -Linolenic Acid-Rich Flaxseed Oil Exerts Beneficial Effects on Polycystic Ovary Syndrome Through Sex Steroid Hormones-Microbiota-Inflammation Axis in Rats.**Frontiers in endocrinology** , Volume: 11 2020

Authors Wang T,Sha L,Li Y,Zhu L,Wang Z,Li K,Lu H,Bao T,Guo L,Zhang X,Wang H

Lactobacillus salivarius LI01 encapsulated in alginate-pectin microgels ameliorates D-galactosamine-induced acute liver injury in rats.**Applied microbiology and biotechnology** , Volume: 104 Issue: 17 2020 Sep

Authors Zhuge A,Li B,Yuan Y,Lv L,Li Y,Wu J,Yang L,Bian X,Wang K,Wang Q,Yan R,Zhu X,Li L

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

Effect of chitooligosaccharides on human gut microbiota and antiglycation.

Carbohydrate polymers , Volume: 242 2020 Aug 15

Authors Liu W,Li X,Zhao Z,Pi X,Meng Y,Fei D,Liu D,Wang X

Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?

Nutrients , Volume: 12 Issue: 6 2020 Jun 12

Authors Knezevic J,Starchl C,Tmava Berisha A,Amrein K

Time-restricted feeding is associated with changes in human gut microbiota related to nutrient intake.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 78 2020 Oct

Authors Zeb F,Wu X,Chen L,Fatima S,Ijaz-Ul-Haq,Chen A,Xu C,Jianglei R,Feng Q,Li M

The ameliorative effect of *Lactobacillus plantarum* Y44 oral administration on inflammation and lipid metabolism in obese mice fed with a high fat diet.

Food & function , Volume: 11 Issue: 6 2020 Jun 24

Authors Liu Y,Gao Y,Ma F,Sun M,Mu G,Tuo Y

Pediococcus pentosaceus B49 from human colostrum ameliorates constipation in mice.

Food & function , Volume: 11 Issue: 6 2020 Jun 24

Authors Huang J,Li S,Wang Q,Guan X,Qian L,Li J,Zheng Y,Lin B

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

Dendrobium officinale Kimura et Migo and American ginseng mixture: A Chinese herbal formulation for gut microbiota modulation.

Chinese journal of natural medicines , Volume: 18 Issue: 6 2020 Jun

Authors Liu CZ,Chen W,Wang MX,Wang Y,Chen LQ,Zhao F,Shi Y,Liu HJ,Dou XB,Liu C,Chen H

The *in vitro* Effect of Fibers With Different Degrees of Polymerization on Human Gut Bacteria.

Frontiers in microbiology , Volume: 11 2020

Authors Chen M,Fan B,Liu S,Imam KMSU,Xie Y,Wen B,Xin F

An integrated microbiome and metabolomic analysis identifies immunoenhancing features of *Ganoderma lucidum* spores oil in mice.

Pharmacological research , Volume: 158 2020 Aug

Authors Wu X,Cao J,Li M,Yao P,Li H,Xu W,Yuan C,Liu J,Wang S,Li P,Wang Y

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

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

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

Lactobacillus fermentum V3 ameliorates colitis-associated tumorigenesis by modulating the gut microbiome.

American journal of cancer research , Volume: 10 Issue: 4 2020

Authors Chou YC, Ho PY, Chen WJ, Wu SH, Pan MH

[Administration of Bifidobacterium bifidum CGMCC 15068 modulates gut microbiota and metabolome in azoxymethane \(AOM\)/dextran sulphate sodium \(DSS\)-induced colitis-associated colon cancer \(CAC\) in mice.](#)

Applied microbiology and biotechnology , Volume: 104 Issue: 13 2020 Jul

Authors Wang Q, Wang K, Wu W, Lv L, Bian X, Yang L, Wang Q, Li Y, Ye J, Fang D, Wu J, Jiang X, Xie J, Lu Y, Li L

[Pediococcus pentosaceus LI05 alleviates DSS-induced colitis by modulating immunological profiles, the gut microbiota and short-chain fatty acid levels in a mouse model.](#)

Microbial biotechnology , Volume: 13 Issue: 4 2020 Jul

Authors Bian X, Yang L, Wu W, Lv L, Jiang X, Wang Q, Wu J, Li Y, Ye J, Fang D, Shi D, Wang K, Wang Q, Lu Y, Xie J, Xia J, Li L

[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

[Prebiotic Effects of Partially Hydrolyzed Guar Gum on the Composition and Function of the Human Microbiota-Results from the PAGODA Trial.](#)

Nutrients , Volume: 12 Issue: 5 2020 Apr 28

Authors Reider SJ, Moosmang S, Tragust J, Trgovec-Greif L, Tragust S, Perschy L, Przysiecki N, Sturm S, Tilg H, Stuppner H, Rattei T, Moschen AR

[Supplemental <i>Clostridium butyricum</i> Modulates Lipid Metabolism Through Shaping Gut Microbiota and Bile Acid Profile of Aged Laying Hens.](#)

Frontiers in microbiology , Volume: 11 2020

Authors Wang WW, Wang J, Zhang HJ, Wu SG, Qi GH

[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

[Effects of Tributyrin Supplementation on Growth Performance, Insulin, Blood Metabolites and Gut Microbiota in Weaned Piglets.](#)

Animals : an open access journal from MDPI , Volume: 10 Issue: 4 2020 Apr 22

Authors Sotira S, Dell`Anno M, Caprarulo V, Hejna M, Pirrone F, Callegari ML, Tucci TV, Rossi L

[Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.](#)

International journal of food sciences and nutrition , Volume: 71 Issue: 8 2020 Dec

Authors Chen K, Zhao H, Shu L, Xing H, Wang C, Lu C, Song G

[Comparison of the prebiotic properties of native chicory and synthetic inulins using swine fecal cultures.](#)

Bioscience, biotechnology, and biochemistry , Volume: 84 Issue: 7 2020 Jul

Authors Nakayama Y, Kawasaki N, Tamiya T, Anzai S, Toyohara K, Nishiyama A, Kitazono E

[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

[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

[Conserved and variable responses of the gut microbiome to resistant starch type 2](#)

Nutrition research (New York, N.Y.) , Volume: 77 2020 Feb 22

Authors Bendiks ZA, Knudsen KEB, Keenan MJ, Marco ML

[Effectiveness of an oral care tablet containing kiwifruit powder in reducing oral bacteria in tongue coating: A crossover trial.](#)

Clinical and experimental dental research , Volume: 6 Issue: 2 2020 Apr

Authors Matsumura Y, Hinode D, Fukui M, Yoshioka M, Asakuma H, Takii H

[Pork Meat Proteins Alter Gut Microbiota and Lipid Metabolism Genes in the Colon of Adaptive Immune-Deficient Mice.](#)

Molecular nutrition & food research , Volume: 64 Issue: 9 2020 May

Authors Zhang M,Zou X,Zhao D,Zhao F,Li C

[Grape Extract Activates Brown Adipose Tissue Through Pathway Involving the Regulation of Gut Microbiota and Bile Acid.](#)**Molecular nutrition & food research , 2020 Apr 5**

Authors Han X,Guo J,Yin M,Liu Y,You Y,Zhan J,Huang W

[Increase of Akkermansia muciniphila by a Diet Containing Japanese Traditional Medicine Bofutsushosan in a Mouse Model of Non-Alcoholic Fatty Liver Disease.](#)**Nutrients , Volume: 12 Issue: 3 2020 Mar 20**

Authors Nishiyama M,Ohtake N,Kaneko A,Tsuchiya N,Imamura S,Iizuka S,Ishizawa S,Nishi A,Yamamoto M,Taketomi A,Kono T

[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

[Maternal sucralose intake alters gut microbiota of offspring and exacerbates hepatic steatosis in adulthood.](#)**Gut microbes , Volume: 11 Issue: 4 2020 Jul 3**

Authors Dai X,Guo Z,Chen D,Li L,Song X,Liu T,Jin G,Li Y,Liu Y,Ajiguli A,Yang C,Wang B,Cao H

[Bofutsushosan improves gut barrier function with a bloom of Akkermansia muciniphila and improves glucose metabolism in mice with diet-induced obesity.](#)**Scientific reports , Volume: 10 Issue: 1 2020 Mar 26**

Authors Fujisaka S,Usui I,Nawaz A,Igarashi Y,Okabe K,Furusawa Y,Watanabe S,Yamamoto S,Sasahara M,Watanabe Y,Nagai Y,Yagi K,Nakagawa T,Tobe K

[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

[Amelioration of gut dysbiosis and gastrointestinal motility by konjac oligo-glucomannan on loperamide-induced constipation in mice.](#)**Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 73 2020 May**

Authors Hayeeawaema F,Wichienchot S,Khuituan P

[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

[Prebiotic activity of garlic \(<i>Allium sativum</i>\) extract on <i>Lactobacillus acidophilus</i>.](#)**Veterinary world , Volume: 12 Issue: 12 2019 Dec**

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

[Structural changes in gut microbiome after Ramadan fasting: a pilot study.](#)**Beneficial microbes , Volume: 11 Issue: 3 2020 May 11**

Authors Ozkul C,Yalinay M,Karakan T

[Altered microbial community structure and metabolism in cow's milk allergic mice treated with oral immunotherapy and fructo-oligosaccharides.](#)**Beneficial microbes , Volume: 11 Issue: 1 2020 Feb 19**

Authors Vonk MM,Engen PA,Naqib A,Green SJ,Keshavarzian A,Blokhuis BRJ,Garssen J,Knippels LMJ,van Esch BCAM

[Glyphosate exposure induces inflammatory responses in the small intestine and alters gut microbial composition in rats.](#)**Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun**

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

[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

[Dietary flaxseed oil rich in omega-3 suppresses severity of type 2 diabetes mellitus via anti-inflammation and modulating gut microbiota in rats.](#)**Lipids in health and disease , Volume: 19 Issue: 1 2020 Feb 7**

Authors Zhu L,Sha L,Li K,Wang Z,Wang T,Li Y,Liu P,Dong X,Dong Y,Zhang X,Wang H

[Anti-obesity effects of α-amylase inhibitor enriched-extract from white common beans \(Phaseolus vulgaris L.\) associated with the modulation of gut microbiota composition in high-fat diet-induced obese rats.](#)

Food & function , Volume: 11 Issue: 2 2020 Feb 26

Authors Shi Z,Zhu Y,Teng C,Yao Y,Ren G,Richel A

[Study on the Effect of Capsaicin on the Intestinal Flora through High-Throughput Sequencing.](#)

ACS omega , Volume: 5 Issue: 2 2020 Jan 21

Authors Wang F,Huang X,Chen Y,Zhang D,Chen D,Chen L,Lin J

[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

[Chungkookjang, a soy food, fermented with *Bacillus amyloliquefaciens* protects gerbils against ischemic stroke injury, and post-stroke hyperglycemia.](#)

Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb

Authors Jeong DY,Jeong SY,Zhang T,Wu X,Qiu JY,Park S

[*Clostridium butyricum* Modulates the Microbiome to Protect Intestinal Barrier Function in Mice with Antibiotic-Induced Dysbiosis.](#)

iScience , Volume: 23 Issue: 1 2020 Jan 24

Authors Hagihara M,Kuroki Y,Ariyoshi T,Higashi S,Fukuda K,Yamashita R,Matsumoto A,Mori T,Mimura K,Yamaguchi N,Okada S,Nonogaki T,Ogawa T,Iwasaki K,Tomono S,Asai N,Koizumi Y,Oka K,Yamagishi Y,Takahashi M,Mikamo H

[*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

[Cell Wall Integrity of Pulse Modulates the in Vitro Fecal Fermentation Rate and Microbiota Composition.](#)

Journal of agricultural and food chemistry , Volume: 68 Issue: 4 2020 Jan 29

Authors Guan N,He X,Wang S,Liu F,Huang Q,Fu X,Chen T,Zhang B

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

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM,Bindels LB

[Islamic fasting leads to an increased abundance of *Akkermansia muciniphila* and *Bacteroides fragilis* group: A preliminary study on intermittent fasting.](#)

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 30 Issue: 12 2019 Dec

Authors Özkul C,Yalinay M,Karakan T

[Walnuts and Vegetable Oils Containing Oleic Acid Differentially Affect the Gut Microbiota and Associations with Cardiovascular Risk Factors: Follow-up of a Randomized, Controlled, Feeding Trial in Adults at Risk for Cardiovascular Disease.](#)

The Journal of nutrition , Volume: 150 Issue: 4 2020 Apr 1

Authors Tindall AM,McLimans CJ,Petersen KS,Kris-Etherton PM,Lamendella R

[Oxidized Pork Induces Oxidative Stress and Inflammation by Altering Gut Microbiota in Mice.](#)

Molecular nutrition & food research , Volume: 64 Issue: 2 2020 Jan

Authors Ge Y,Lin S,Li B,Yang Y,Tang X,Shi Y,Sun J,Le G

[Chronic oral exposure to glycated whey proteins increases survival of aged male NOD mice with autoimmune prostatitis by regulating the gut microbiome and anti-inflammatory responses.](#)

Food & function , Volume: 11 Issue: 1 2020 Jan 29

Authors Chen Y,Guo KM,Nagy T,Guo TL

[Changes in human gut microbiota composition are linked to the energy metabolic switch during 10 d of Buchinger fasting.](#)

Journal of nutritional science , Volume: 8 2019

Authors Mesnage R,Grundler F,Schwartz A,Le Maho Y,Wilhelmi de Toledo F

[Apple polysaccharide could promote the growth of *Bifidobacterium longum*.](#)

International journal of biological macromolecules , Volume: 152 2020 Jun 1

Authors Li Y,Wang S,Sun Y,Zheng H,Tang Y,Gao X,Song C,Liu J,Long Y,Liu L,Mei Q

[Dietary resistant starch modifies the composition and function of caecal microbiota of broilers.](#)

Journal of the science of food and agriculture , Volume: 100 Issue: 3 2020 Feb

Authors Zhang Y,Liu Y,Li J,Xing T,Jiang Y,Zhang L,Gao F

[Intake of *Ganoderma lucidum* polysaccharides reverses the disturbed gut microbiota and metabolism in type 2 diabetic rats.](#)

International journal of biological macromolecules , Volume: 155 2020 Jul 15

Authors Chen M,Xiao D,Liu W,Song Y,Zou B,Li L,Li P,Cai Y,Liu D,Liao Q,Xie Z

[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

[Measuring the Antimicrobial Activity of Lauric Acid against Various Bacteria in Human Gut Microbiota Using a New Method.](#)

Cell transplantation , Volume: 28 Issue: 12 2019 Dec

Authors Matsue M,Mori Y,Nagase S,Sugiyama Y,Hirano R,Ogai K,Ogura K,Kurihara S,Okamoto S

[Urolithin Metabotypes Can Determine the Modulation of Gut Microbiota in Healthy Individuals by Tracking Walnuts](#)

[Consumption over Three Days.](#)

Nutrients , Volume: 11 Issue: 10 2019 Oct 16

Authors García-Mantrana I,Calatayud M,Romo-Vaquero M,Espín JC,Selma MV,Collado MC

[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

[The impact of in ovo injection of L-arginine on hatchability, immune system and caecum microflora of broiler chickens.](#)

Journal of animal physiology and animal nutrition , 2019 Oct 6

Authors Omid S,Ebrahimi M,Janmohammadi H,Moghaddam G,Rajabi Z,Hosseintabar-Ghasemabad B

[Intestinal microbiome analysis demonstrates azithromycin post-treatment effects improve when combined with lactulose.](#)

World journal of pediatrics : WJP , Volume: 16 Issue: 2 2020 Apr

Authors Nikolaou E,Kamilari E,Savkov D,Sergeev A,Zakharova I,Vogazianos P,Tomazou M,Antoniades A,Shammas C

[Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.](#)

NPJ biofilms and microbiomes , Volume: 5 2019

Authors La Carpia F,Wojczyk BS,Annavaajhala 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

[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

[Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.](#)

Scientific reports , Volume: 9 Issue: 1 2019 Sep 16

Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M

[Effect of Repeated Consumption of Partially Hydrolyzed Guar Gum on Fecal Characteristics and Gut Microbiota: A](#)

[Randomized, Double-Blind, Placebo-Controlled, and Parallel-Group Clinical Trial.](#)

Nutrients , Volume: 11 Issue: 9 2019 Sep 10

Authors Yasukawa Z,Inoue R,Ozeki M,Okubo T,Takagi T,Honda A,Naito Y

[Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.](#)

Frontiers in immunology , Volume: 10 2019

Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van`t Land B,Tims S,Stahl B,Garssen J,Franch

À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

[Effect of 1-Deoxynojirimycin Isolated from Mulberry Leaves on Glucose Metabolism and Gut Microbiota in a Streptozotocin-Induced Diabetic Mouse Model.](#)

Journal of natural products , Volume: 82 Issue: 8 2019 Aug 23

Authors Hu TG,Wen P,Shen WZ,Liu F,Li Q,Li EN,Liao ST,Wu H,Zou YX

[Dietary Factors and Modulation of Bacteria Strains of *Akkermansia muciniphila* and *Faecalibacterium prausnitzii*: A Systematic Review.](#)

Nutrients , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.

PloS one , Volume: 14 Issue: 7 2019

Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgreen B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI

Walnuts and Vegetable Oils Differentially Affect the Gut Microbiome and Associations with Cardiovascular Risk Factors (OR29-06-19).

Current developments in nutrition , Volume: 3 Issue: Suppl 1 2019 Jun

Authors Tindall A,McLimans C,Petersen K,Kris-Etherton P,Lamendella R

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

Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in <i>Citrobacter rodentium</i> Infected Mice.

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

Effects of a Lactulose-Rich Diet on Fecal Microbiome and Metabolome in Pregnant Mice.

Journal of agricultural and food chemistry , Volume: 67 Issue: 27 2019 Jul 10

Authors Zhang Z,Chen X,Zhao J,Tian C,Wei X,Li H,Lin W,Jiang A,Feng R,Yuan J,Zhao X

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

Alleviation of low-fiber diet-induced constipation by probiotic Bifidobacterium bifidum G9-1 is based on correction of gut microbiota dysbiosis.

Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019

Authors Makizaki Y,Maeda A,Oikawa Y,Tamura S,Tanaka Y,Nakajima S,Yamamura H

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

Mulberry Leaf Polyphenols and Fiber Induce Synergistic Antiobesity and Display a Modulation Effect on Gut Microbiota and Metabolites.

Nutrients , Volume: 11 Issue: 5 2019 May 6

Authors Li Q,Liu F,Liu J,Liao S,Zou Y

Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.

The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1

Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschasaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium

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

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

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

Ganoderma lucidum polysaccharide improves rat DSS-induced colitis by altering cecal microbiota and gene expression of colonic epithelial cells.

Food & nutrition research , Volume: 63 2019

Authors Xie J,Liu Y,Chen B,Zhang G,Ou S,Luo J,Peng X

Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.

Journal of agricultural and food chemistry , Volume: 67 Issue: 33 2019 Aug 21

Authors Han Y,Song M,Gu M,Ren D,Zhu X,Cao X,Li F,Wang W,Cai X,Yuan B,Goulette T,Zhang G,Xiao H

Protective effect of mulberry (*Morus atropurpurea*) fruit against diphenoxylate-induced constipation in mice through the modulation of gut microbiota.

Food & function , Volume: 10 Issue: 3 2019 Mar 20

Authors Hu TG,Wen P,Fu HZ,Lin GY,Liao ST,Zou YX

Spent Coffee Grounds Extract, Rich in Mannooligosaccharides, Promotes a Healthier Gut Microbial Community in a Dose-Dependent Manner.

Journal of agricultural and food chemistry , Volume: 67 Issue: 9 2019 Mar 6

Authors Pérez-Burillo S,Pastoriza S,Fernández-Arteaga A,Luzón G,Jiménez-Hernández N,D`Auria G,Francino MP,Rufián-Henares JÁ

Intestinal Morphologic and Microbiota Responses to Dietary *Bacillus* 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

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

Anti-breast Cancer Enhancement of a Polysaccharide From Spore of *Ganoderma lucidum* With Paditaxel: Suppression on Tumor Metabolism With Gut Microbiota Reshaping.

Frontiers in microbiology , Volume: 9 2018

Authors Su J,Li D,Chen Q,Li M,Su L,Luo T,Liang D,Lai G,Shuai O,Jiao C,Wu Q,Xie Y,Zhou X

Anti-breast Cancer Enhancement of a Polysaccharide From Spore of *Ganoderma lucidum* With Paditaxel: Suppression on Tumor Metabolism With Gut Microbiota Reshaping.

Frontiers in microbiology , Volume: 9 2018

Authors Su J,Li D,Chen Q,Li M,Su L,Luo T,Liang D,Lai G,Shuai O,Jiao C,Wu Q,Xie Y,Zhou X

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

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

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 *Bacillus subtilis* 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

Antidepressant Effects of Rosemary Extracts Associate With Anti-inflammatory Effect and Rebalance of Gut Microbiota.

Frontiers in pharmacology , Volume: 9 2018

Authors Guo Y,Xie J,Li X,Yuan Y,Zhang L,Hu W,Luo H,Yu H,Zhang 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

An exploratory study on the effect of daily fruits and vegetable juice on human gut microbiota.

Food science and biotechnology , Volume: 27 Issue: 5 2018 Oct

Authors Choi YJ, Lee DH, Kim HS, Kim YK

[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

[Metagenomic Insights into the Degradation of Resistant Starch by Human Gut Microbiota.](#)**Applied and environmental microbiology , Volume: 84 Issue: 23 2018 Dec 1**

Authors Vital M, Howe A, Bergeron N, Krauss RM, Jansson JK, Tiedje JM

[Konjaku flour reduces obesity in mice by modulating the composition of the gut microbiota.](#)**International journal of obesity (2005) , 2018 Sep 21**

Authors Kang Y, Li Y, Du Y, Guo L, Chen M, Huang X, Yang F, Hong J, Kong X

[Absorption of <i>Codonopsis pilosula</i> Saponins by Coexisting Polysaccharides Alleviates Gut Microbial Dysbiosis with Dextran Sulfate Sodium-Induced Colitis in Model Mice.](#)**BioMed research international , Volume: 2018 2018**

Authors Jing Y, Li A, Liu Z, Yang P, Wei J, Chen X, Zhao T, Bai Y, Zha L, Zhang C

[Probiotic <i>Lactobacillus plantarum</i> Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.](#)**Frontiers in microbiology , Volume: 9 2018**

Authors Wang J, Ji H, Wang S, Liu H, Zhang W, Zhang D, Wang Y

[Effects of 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

[Retinoic Acid, Leaky Gut, and Autoimmune Diseases.](#)**Nutrients , Volume: 10 Issue: 8 2018 Aug 3**

Authors Abdelhamid L, Luo XM

[The impact of Clostridium butyricum MIYAIRI 588 on the murine gut microbiome and colonic tissue.](#)**Anaerobe , Volume: 54 2018 Dec**

Authors Hagihara M, Yamashita R, Matsumoto A, Mori T, Kuroki Y, Kudo H, Oka K, Takahashi M, Nonogaki T, Yamagishi Y, Mikamo H

[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

[The Polysaccharides from Codonopsis pilosula Modulates the Immunity and Intestinal Microbiota of Cyclophosphamide-Treated Immunosuppressed Mice.](#)**Molecules (Basel, Switzerland) , Volume: 23 Issue: 7 2018 Jul 20**

Authors Fu YP, Feng B, Zhu ZK, Feng X, Chen SF, Li LX, Yin ZQ, Huang C, Chen XF, Zhang BZ, Jia RY, Song X, Lv C, Yue GZ, Ye G, Liang XX, He CL, Yin LZ, Zou YF

[Modulation of gut microbiota by mulberry fruit polysaccharide treatment of obese diabetic db/db mice.](#)**Food & function , Volume: 9 Issue: 7 2018 Jul 17**

Authors Chen C, You LJ, Huang Q, Fu X, Zhang B, Liu RH, Li C

[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

[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

[Enterococcus faecium WEFA23 from infant lessens high-fat-diet-induced hyperlipidemia via cholesterol 7-alpha-hydroxylase gene by altering the composition of gut microbiota in rats.](#)**Journal of dairy science , 2018 Jun 20**

Authors Huang F, Zhang F, Xu D, Zhang Z, Xu F, Tao X, Qiu L, Wei H

[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

[Chicory Roots for Prebiotics and Appetite Regulation: A Pilot Study in Mice.](#)

Journal of agricultural and food chemistry , Volume: 66 Issue: 25 2018 Jun 27

Authors Fouré M,Dugardin C,Foligné B,Hance P,Cadalen T,Delcourt A,Taminiau B,Daube G,Ravallec R,Cudennec B,Hilbert JL,Lucau-Danila A

[Antimicrobial Activity of Monoketone Curcuminoids Against Cariogenic Bacteria.](#)

Chemistry & biodiversity , Volume: 15 Issue: 8 2018 Aug

Authors Vieira TM,Dos Santos IA,Silva TS,Martins CHG,Crotti AEM

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

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

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

[Characterization and prebiotic activity in vitro of inulin-type fructan from Codonopsis pilosula roots.](#)

Carbohydrate polymers , Volume: 193 2018 Aug 1

Authors Fu YP,Li LX,Zhang BZ,Paulsen BS,Yin ZQ,Huang C,Feng B,Chen XF,Jia RR,Song X,Ni XQ,Jing B,Wu FM,Zou YF

[Dietary supplementation with an amino acid blend enhances intestinal function in piglets.](#)

Amino acids , 2018 May 16

Authors Yi D,Li B,Hou Y,Wang L,Zhao D,Chen H,Wu T,Zhou Y,Ding B,Wu G

[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,Korzhenkov AA,Samarov NI,Shevchenko MA,Teplyuk AV,Alexeev DG

[Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial.](#)

The Journal of nutrition , Volume: 148 Issue: 6 2018 Jun 1

Authors Holscher HD,Guetterman HM,Swanson KS,An R,Matthan NR,Lichtenstein AH,Novotny JA,Baer DJ

[Prebiotic Mannan-Oligosaccharides Augment the Hypoglycemic Effects of Metformin in Correlation with Modulating Gut Microbiota.](#)

Journal of agricultural and food chemistry , Volume: 66 Issue: 23 2018 Jun 13

Authors Zheng J,Li H,Zhang X,Jiang M,Luo C,Lu Z,Xu Z,Shi J

[Dietary Clostridium butyricum Induces a Phased Shift in Fecal Microbiota Structure and Increases the Acetic Acid-Producing Bacteria in a Weaned Piglet Model.](#)

Journal of agricultural and food chemistry , Volume: 66 Issue: 20 2018 May 23

Authors Zhang J,Chen X,Liu P,Zhao J,Sun J,Guan W,Johnston LJ,Levesque CL,Fan P,He T,Zhang G,Ma X

[Effect of dietary Spirulina \(Arthrospira\) platensis on the growth performance, antioxidant enzyme activity, nutrient digestibility, cecal microflora, excreta noxious gas emission, and breast meat quality of broiler chickens.](#)

Poultry science , Volume: 97 Issue: 7 2018 Jul 1

Authors Park JH,Lee SI,Kim IH

[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

[Effect of Lactobacillus salivarius on growth performance, diarrhea incidence, fecal bacterial population and intestinal morphology of suckling pigs challenged with F4+ enterotoxigenic Escherichia coli.](#)

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

Authors Sayan H,Assavacheep P,Angkanaporn K,Assavacheep A

[Glyphosate based- herbicide exposure affects gut microbiota, anxiety and depression-like behaviors in mice.](#)

Neurotoxicology and teratology , Volume: 67 2018 May - Jun

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

[Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57BL/6J mice.](#)

MicrobiologyOpen , Volume: 7 Issue: 6 2018 Dec

Authors Zhai S,Zhu L,Qin S,Li L

[Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.](#)

Journal of applied microbiology , Volume: 125 Issue: 1 2018 Jul

Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K

[High salt diet exacerbates colitis in mice by decreasing Lactobacillus levels and butyrate production.](#)

Microbiome , Volume: 6 Issue: 1 2018 Mar 22

Authors Miranda PM,De Palma G,Serkis V,Lu J,Louis-Auguste MP,McCarville JL,Verdu EF,Collins SM,Bercik P

[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

[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

[Tartary buckwheat protein prevented dyslipidemia in high-fat diet-fed mice associated with gut microbiota changes.](#)

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , 2018 Feb 23

Authors Zhou XL,Yan BB,Xiao Y,Zhou YM,Liu TY

[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

[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

[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

[In vitro fermentation of copra meal hydrolysate by chicken microbiota.](#)

3 Biotech , Volume: 8 Issue: 1 2018 Jan

Authors Prayoonthien P,Nitisinprasert S,Keawsompong S

[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

Correction: Dietary fucoidan modulates the gut microbiota in mice by increasing the abundance of Lactobacillus and Ruminococcaceae.

Food & function , Volume: 9 Issue: 1 2018 Jan 24

Authors Shang Q,Shan X,Cai C,Hao J,Li G,Yu G

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

Amelioration of Intestinal Barrier Dysfunction by Berberine in the Treatment of Nonalcoholic Fatty Liver Disease in Rats.

Pharmacognosy magazine , Volume: 13 Issue: 52 2017 Oct-Dec

Authors Li D,Zheng J,Hu Y,Hou H,Hao S,Liu N,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 dietary flavone confers communicable protection against colitis through NLRP6 signaling independently of inflammasome activation.

Mucosal immunology , Volume: 11 Issue: 3 2018 May

Authors Radulovic K,Normand S,Rehman A,Delanoye-Crespin A,Chatagnon J,Delacre M,Waldschmitt N,Poulin LF,Iovanna J,Ryffel B,Rosenstiel P,Chamaillard M

<i>Clostridium butyricum</i> CGMCC0313.1 Protects against Autoimmune Diabetes by Modulating Intestinal Immune Homeostasis and Inducing Pancreatic Regulatory T Cells.

Frontiers in immunology , Volume: 8 2017

Authors Jia L,Shan K,Pan LL,Feng N,Lv Z,Sun Y,Li J,Wu C,Zhang H,Chen W,Diana J,Sun J,Chen YQ

Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

The effects of iron fortification and supplementation on the gut microbiome and diarrhea in infants and children: a review.

The American journal of clinical nutrition , Volume: 106 Issue: Suppl 6 2017 Dec

Authors Paganini D,Zimmermann MB

Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shang W,Si X,Zhou Z,Li Y,Strappe P,Blanchard C

High-Salt Diet Has a Certain Impact on Protein Digestion and Gut Microbiota: A Sequencing and Proteome Combined Study.

Frontiers in microbiology , Volume: 8 2017

Authors Wang C,Huang Z,Yu K,Ding R,Ye K,Dai C,Xu X,Zhou G,Li C

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

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

Frontiers in microbiology , Volume: 8 2017

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

Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.

International journal of molecular sciences , Volume: 18 Issue: 10 2017 Oct 4

Authors Medina DA,Pinto F,Ovalle A,Thomson P,Garrido D

Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs.

The Journal of nutrition , Volume: 147 Issue: 11 2017 Nov

Authors Foulse JM,Gänzle MG,Beattie AD,Vasanthan T,Zijlstra RT

Effect of vitamin A supplementation on gut microbiota in children with autism spectrum disorders - a pilot study.

BMC microbiology , Volume: 17 Issue: 1 2017 Sep 22

Authors Liu J,Liu X,Xiong XQ,Yang T,Qui T,Hou NL,Lai X,Liu S,Guo M,Liang XH,Cheng Q,Chen J,Li TY

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

Navy and black bean supplementation primes the colonic mucosal microenvironment to improve gut health.

The Journal of nutritional biochemistry , Volume: 49 2017 Nov

Authors Monk JM,Lepp D,Wu W,Pauls KP,Robinson LE,Power KA

Dietary pomegranate extract and inulin affect gut microbiome differentially in mice fed an obesogenic diet.

Anaerobe , Volume: 48 2017 Dec

Authors Zhang S,Yang J,Henning SM,Lee R,Hsu M,Grojean E,Pisegna R,Ly A,Heber D,Li Z

Dietary fucoidan of Acaudina molpadioides alters gut microbiota and mitigates intestinal mucosal injury induced by cyclophosphamide.

Food & function , Volume: 8 Issue: 9 2017 Sep 20

Authors Shi H,Chang Y,Gao Y,Wang X,Chen X,Wang Y,Xue C,Tang Q

Lactobacillus plantarum LP-Onlly alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.

Molecular medicine reports , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

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

Changes in the gut microbial communities following addition of walnuts to the diet.

The Journal of nutritional biochemistry , Volume: 48 2017 Oct

Authors Byerley LO,Samuels D,Blanchard E 4th,Luo M,Lorenzen BN,Banks S,Ponder MA,Welsh DA,Taylor CM

Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.

Food & function , Volume: 8 Issue: 9 2017 Sep 20

Authors Wang G,Li X,Zhao J,Zhang H,Chen W

Disruption in the cecal microbiota of chickens challenged with Clostridium perfringens and other factors was alleviated by Bacillus licheniformis supplementation.

PloS one , Volume: 12 Issue: 8 2017

Authors Lin Y,Xu S,Zeng D,Ni X,Zhou M,Zeng Y,Wang H,Zhou Y,Zhu H,Pan K,Li G

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

Dose-Dependent Prebiotic Effect of Lactulose in a Computer-Controlled In Vitro Model of the Human Large Intestine.

Nutrients , Volume: 9 Issue: 7 2017 Jul 18

Authors Bothe MK,Maathuis AJH,Bellmann S,van der Vossen JMBM,Berressem D,Koehler A,Schwejd-Guettes S,Gaigg B,Kuchinka-Koch A,Stover JF

Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.

Nutrition and cancer , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P,Lam V,Salzman N,Huang YW,Yu J,Zhang J,Wang LS

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

Spirulina Protects against Hepatic Inflammation in Aging: An Effect Related to the Modulation of the Gut Microbiota?

Nutrients , Volume: 9 Issue: 6 2017 Jun 20

Authors Neyrinck AM,Taminiau B,Walgrave H,Daube G,Cani PD,Bindels LB,Delzenne NM

The impact of fruit and soybean by-products and amaranth on the growth of probiotic and starter microorganisms.

Food research international (Ottawa, Ont.) , Volume: 97 2017 Jul

Authors Vieira ADS,Bedani R,Albuquerque MAC,Biscola V,Saad SMI

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

Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.

Nutrients , Volume: 9 Issue: 6 2017 May 24

Authors Koutsos A,Lima M,Conterno L,Gasperotti M,Bianchi M,Fava F,Vrhovsek U,Lovegrove JA,Tuohy KM

Gut Microbiota Mediates the Protective Effects of Dietary Capsaicin against Chronic Low-Grade Inflammation and Associated Obesity Induced by High-Fat Diet.

mBio , Volume: 8 Issue: 3 2017 May 23

Authors Kang C,Wang B,Kaliannan K,Wang X,Lang H,Hui S,Huang L,Zhang Y,Zhou M,Chen M,Mi M

Health benefit of vegetable/fruit juice-based diet: Role of microbiome

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.

Science translational medicine , Volume: 9 Issue: 390 2017 May 17

Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI

The Role of Carrageenan and Carboxymethylcellulose in the Development of Intestinal Inflammation.

Frontiers in pediatrics , Volume: 5 2017

Authors Martino JV,Van Limbergen J,Cahill LE

Saccharin induced liver inflammation in mice by altering the gut microbiota and its metabolic functions.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 107 Issue: Pt B 2017 Sep

Authors Bian X,Tu P,Chi L,Gao B,Ru H,Lu K

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

Influence of diet on the gut microbiome and implications for human health.

Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

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

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

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

Early-Life Sugar Consumption Affects the Rat Microbiome Independently of Obesity.**The Journal of nutrition** , Volume: 147 Issue: 1 2017 Jan

Authors Noble EE,Hsu TM,Jones RB,Fodor AA,Goran MI,Kanoski SE

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

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

Assessment of the prebiotic effect of quinoa and amaranth in the human intestinal ecosystem.**Food & function** , Volume: 7 Issue: 9 2016 Sep 14

Authors Gullón B,Gullón P,Tavaria FK,Yáñez R

Vitamin A deficiency impacts the structural segregation of gut microbiota in children with persistent diarrhea.**Journal of clinical biochemistry and nutrition** , Volume: 59 Issue: 2 2016 Sep

Authors Lv Z,Wang Y,Yang T,Zhan X,Li Z,Hu H,Li T,Chen J

Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.**Scientific reports** , Volume: 6 2016 Oct 3

Authors Smith-Brown P,Morrison M,Krause L,Davies PS

Healthy Subjects Differentially Respond to Dietary Capsaicin Correlating with Specific Gut Enterotypes.**The Journal of clinical endocrinology and metabolism** , Volume: 101 Issue: 12 2016 Dec

Authors Kang C,Zhang Y,Zhu X,Liu K,Wang X,Chen M,Wang J,Chen H,Hui S,Huang L,Zhang Q,Zhu J,Wang B,Mi M

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.**Journal of the science of food and agriculture** , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

In vitro analysis of partially hydrolyzed guar gum fermentation on identified gut microbiota.**Anaerobe** , Volume: 42 2016 Dec

Authors Carlson J,Gould T,Slavin J

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

Consumption of a Bifidobacterium bifidum Strain for 4 Weeks Modulates Dominant Intestinal Bacterial Taxa and Fecal Butyrate in Healthy Adults.**Applied and environmental microbiology** , Volume: 82 Issue: 19 2016 Oct 1

Authors Gargari G,Taverniti V,Balzaretti S,Ferrario C,Gardana C,Simonetti P,Guglielmetti S

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

Hypocholesterolemic Properties and Prebiotic Effects of Mexican Ganoderma lucidum in C57BL/6 Mice.**PloS one** , Volume: 11 Issue: 7 2016

Authors Meneses ME,Martínez-Carrera D,Torres N,Sánchez-Tapia M,Aguilar-López M,Morales P,Sobal M,Bernabé T,Escudero H,Granados-Portillo O,Tovar AR

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,Abejón-Mukdsi MC,Ross R,Fontana C,Benítez-Páez A,Gauffin-Cano P,Medina RB

Dietary fucoidan modulates the gut microbiota in mice by increasing the abundance of Lactobacillus and Ruminococcaceae.**Food & function** , Volume: 7 Issue: 7 2016 Jul 13

Authors Shang Q,Shan X,Cai C,Hao J,Li G,Yu G

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

Microbiome-Metabolome Responses in the Cecum and Colon of Pig to a High Resistant Starch Diet.

Frontiers in microbiology , Volume: 7 2016

Authors Sun Y,Su Y,Zhu W

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 Alolga RN,Fan Y,Chen Z,Liu LW,Zhao YJ,Li J,Chen Y,Lai MD,Li P,Qi LW

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

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

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

Effects of dietary fibre source on microbiota composition in the large intestine of suckling piglets.

FEMS microbiology letters , Volume: 363 Issue: 14 2016 Jul

Authors Zhang L,Mu C,He X,Su Y,Mao S,Zhang J,Smidt H,Zhu W

Antiviral effect of vitamin A on norovirus infection via modulation of the gut microbiome.

Scientific reports , Volume: 6 2016 May 16

Authors Lee H,Ko G

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,Moscato L,Onofri A,Lorenzetti C,Franciosi MP

Effect of Dietary Starch Source and Concentration on Equine Fecal Microbiota.

PloS one , Volume: 11 Issue: 4 2016

Authors Harlow BE,Lawrence LM,Hayes SH,Crum A,Flythe MD

Lingonberries alter the gut microbiota and prevent low-grade inflammation in high-fat diet fed mice.

Food & nutrition research , Volume: 60 2016

Authors Heyman-Lindén L,Kotowska D,Sand E,Bjursell M,Plaza M,Turner C,Holm C,Fåk F,Berger K

Dietary supplementation of *Rosmarinus officinalis* L. leaves in sheep affects the abundance of rumen methanogens and other microbial populations.

Journal of animal science and biotechnology , Volume: 7 2016

Authors Cobellis G,Yu Z,Forte C,Acuti G,Trabalza-Marinucci M

Intake of Meat Proteins Substantially Increased the Relative Abundance of Genus *Lactobacillus* in Rat Feces.

PloS one , Volume: 11 Issue: 4 2016

Authors Zhu Y,Lin X,Li H,Li Y,Shi X,Zhao F,Xu X,Li C,Zhou G

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

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

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

Manipulation of the gut microbiota using resistant starch is associated with protection against colitis-associated colorectal cancer in rats.

Carcinogenesis , Volume: 37 Issue: 4 2016 Apr

Authors Hu Y,Le Leu RK,Christophersen CT,Somashekar R,Conlon MA,Meng XQ,Winter JM,Woodman RJ,McKinnon R,Young GP

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,Marungruang 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,Lagkouravdos I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D

High purity galacto-oligosaccharides enhance specific Bifidobacterium species and their metabolic activity in the mouse gut microbiome.

Beneficial microbes , Volume: 7 Issue: 2 2016

Authors Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA

The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 (IBRC-M 10784) as Probiotic Bacteria in vitro.

Archives of Iranian medicine , Volume: 19 Issue: 2 2016 Feb

Authors Mahboubi M,Kazempour N

Extrusion of barley and oat influence the fecal microbiota and SCFA profile of growing pigs.

Food & function , Volume: 7 Issue: 2 2016 Feb

Authors Moen B,Berget I,Rud I,Hole AS,Kjos NP,Sahlström S

Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets.

The Journal of nutrition , Volume: 146 Issue: 2 2016 Feb

Authors Jacobi SK,Yatsunenkov T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J

Characterization of mannanase from Bacillus circulans NT 6.7 and its application in mannooligosaccharides preparation as prebiotic.

SpringerPlus , Volume: 4 2015

Authors Pangri P,Piwpankaew Y,Ingkakul A,Nitisinprasert S,Keawsompong S

Fecal microbiome of growing pigs fed a cereal based diet including chicory (Cichorium intybus L.) or ribwort (Plantago lanceolata L.) forage.

Journal of animal science and biotechnology , Volume: 6 2015

Authors Dicksved J,Jansson JK,Lindberg JE

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

Effects of Supplemental Mannanoligosaccharides on Growth Performance, Faecal Characteristics and Health in Dairy Calves.

Asian-Australasian journal of animal sciences , Volume: 28 Issue: 11 2015 Nov

Authors Kara C,Cihan H,Temizel M,Catik S,Meral Y,Orman A,Yibar A,Gencoglu H

Role of colonic microbiota in colorectal carcinogenesis: a systematic review.

Revista española 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

Intestinal Microbiota Profiles of Healthy Pre-School and School-Age Children and Effects of Probiotic Supplementation.

Annals of nutrition & metabolism , Volume: 67 Issue: 4 2015

Authors Wang C,Nagata S,Asahara T,Yuki N,Matsuda K,Tsuji H,Takahashi T,Nomoto K,Yamashiro Y

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

Meat, dairy and plant proteins alter bacterial composition of rat gut bacteria.

Scientific reports , Volume: 5 2015 Oct 14

Authors Zhu Y,Lin X,Zhao F,Shi X,Li H,Li Y,Zhu W,Xu X,Li C,Zhou G

Effects of dietary supplementation with lysine-yielding *Bacillus subtilis* on gut morphology, cecal microflora, and intestinal immune response of Linwu ducks.

Journal of animal science , Volume: 93 Issue: 7 2015 Jul

Authors Xing Y,Wang S,Fan J,Oso AO,Kim SW,Xiao D,Yang T,Liu G,Jiang G,Li Z,Li L,Zhang B

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

Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.

Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

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

The effect of dietary resistant starch type 2 on the microbiota and markers of gut inflammation in rural Malawi children.

Microbiome , Volume: 3 2015 Sep 3

Authors Ordiz MI,May TD,Mihindukulasuriya K,Martin J,Crowley J,Tarr PI,Ryan K,Mortimer E,Gopalsamy G,Maleta K,Mitreva M,Young G,Manary MJ

Characterization of the Intestinal Lactobacilli Community following Galactooligosaccharides and Polydextrose Supplementation in the Neonatal Piglet.

PloS one , Volume: 10 Issue: 8 2015

Authors Hoeflinger JL,Kashtanov DO,Cox SB,Dowd SE,Jouni ZE,Donovan SM,Miller MJ

Effect of starch source (corn, oats or wheat) and concentration on fermentation by equine faecal microbiota in vitro.

Journal of applied microbiology , Volume: 119 Issue: 5 2015 Nov

Authors Harlow BE,Donley TM,Lawrence LM,Flythe MD

In vitro fermentation of lupin seeds (*Lupinus albus*) and broad beans (*Vicia faba*): dynamic modulation of the intestinal microbiota and metabolomic output.

Food & function , Volume: 6 Issue: 10 2015 Oct

Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM

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

Dietary modulation of the gut microbiota—a randomised controlled trial in obese postmenopausal women.

The British journal of nutrition , Volume: 114 Issue: 3 2015 Aug 14

Authors Brahe LK,Le Chatelier E,Prifti E,Pons N,Kennedy S,Blædel T,Håkansson J,Dalsgaard TK,Hansen T,Pedersen O,Astrup A,Ehrlich SD,Larsen LH

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

Ganoderma lucidum reduces obesity in mice by modulating the composition of the gut microbiota.

Nature communications , Volume: 6 2015 Jun 23

Authors Chang CJ,Lin CS,Lu CC,Martel J,Ko YF,Qjcius DM,Tseng SF,Wu TR,Chen YY,Young JD,Lai HC

In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.

Journal of microbiology and biotechnology , Volume: 25 Issue: 9 2015 Sep

Authors Jung TH,Jeon WM,Han KS

Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.

Anaerobe , Volume: 34 2015 Aug

Authors Li Z,Summanen PH,Komoriya T,Henning SM,Lee RP,Carlson E,Heber D,Finegold SM

Effects of Lactobacillus salivarius Ren on cancer prevention and intestinal microbiota in 1, 2-dimethylhydrazine-induced rat model.

Journal of microbiology (Seoul, Korea) , Volume: 53 Issue: 6 2015 Jun

Authors Zhang M,Fan X,Fang B,Zhu C,Zhu J,Ren F

Effects of dietary linseed oil and propionate precursors on ruminal microbial community, composition, and diversity in Yanbian yellow cattle.

PloS one , Volume: 10 Issue: 5 2015

Authors Li XZ,Park BK,Shin JS,Choi SH,Smith SB,Yan CG

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

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

Increased gut microbiota diversity and abundance of Faecalibacterium prausnitzii and Akkermansia after fasting: a pilot study.

Wiener klinische Wochenschrift , Volume: 127 Issue: 9-10 2015 May

Authors Remely M,Hippe B,Geretschlaeger I,Stegmayer S,Hoefinger I,Haslberger A

Reshaping faecal gut microbiota composition by the intake of trans-resveratrol and quercetin in high-fat sucrose diet-fed rats.

The Journal of nutritional biochemistry , Volume: 26 Issue: 6 2015 Jun

Authors Etxeberria U,Arias N,Boqué N,Macarulla MT,Portillo MP,Martínez JA,Milagro FI

Characteristics of Metroxylon sagu resistant starch type III as prebiotic substance.

Journal of food science , Volume: 80 Issue: 4 2015 Apr

Authors Zi-Ni T,Rosma A,Napisah H,Karim AA,Liong MT

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

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

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

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

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

[Chicory extract's influence on gut bacteria of abdominal obesity rat].

Zhongguo Zhong yao za zhi = Zhongguo zhongyao zazhi = China journal of Chinese materia medica , Volume: 39

Issue: 11 2014 Jun

Authors Sun BY,Zhang B,Lin ZJ,Li LY,Wang HP,Zhou J

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

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

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 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

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

Korean ginseng modulates the ileal microbiota and mucin gene expression in the growing rat.

Food & function , Volume: 5 Issue: 7 2014 Jul 25

Authors Han KS,Balan P,Hong HD,Choi WI,Cho CW,Lee YC,Moughan PJ,Singh H

The inhibitory effect of a fermented papaya preparation on growth, hydrophobicity, and acid production of *Streptococcus mutans*, *Streptococcus mitis*, and *Lactobacillus acidophilus*: its implications in oral health improvement of diabetics.

Food science & nutrition , Volume: 1 Issue: 6 2013 Nov

Authors Somanah J,Bourdon E,Bahorun T,Aruoma OI

Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E, Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez C,Martínez-Cuesta MC,Requena T

The metabolizable energy of dietary resistant maltodextrin is variable and alters fecal microbiota composition in adult men.

The Journal of nutrition , Volume: 144 Issue: 7 2014 Jul

Authors Baer DJ,Stote KS,Henderson T,Paul DR,Okuma K,Tagami H,Kanahori S,Gordon DT,Rumpler WW,Ukhanova M,Culpepper T,Wang X,Mai V

A rosemary extract rich in carnosic acid selectively modulates caecum microbiota and inhibits β -glucosidase activity, altering fiber and short chain fatty acids fecal excretion in lean and obese female rats.

PloS one , Volume: 9 Issue: 4 2014

Authors Romo-Vaquero M,Selma MV,Larrosa M,Obiol M,García-Villalba R,González-Barrio R,Issaly N,Flanagan J,Roller M,Tomás-Barberán FA,García-Conesa MT

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

Changes chemopreventive markers in colorectal cancer development after inulin supplementation.

Bratislavske lekarske listy , Volume: 115 Issue: 2 2014

Authors Hijova E,Szabadosova V,Strojny L,Bomba A

Lactobacillus salivarius WB21-containing tablets for the treatment of oral malodor: a double-blind, randomized, placebo-

[controlled crossover trial.](#)

Oral surgery, oral medicine, oral pathology and oral radiology , Volume: 117 Issue: 4 2014 Apr

Authors Suzuki N,Yoneda M,Tanabe K,Fujimoto A,Iha K,Seno K,Yamada K,Iwamoto T,Masuo Y,Hirofuji T

[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

[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

[Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.](#)

Clinical nutrition (Edinburgh, Scotland) , Volume: 33 Issue: 6 2014 Dec

Authors Majid HA,Cole J,Emery PW,Whelan K

[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

[Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.](#)

Glycobiology , Volume: 23 Issue: 11 2013 Nov

Authors Yu ZT,Chen C,Newburg DS

[Kiwifruit \(Actinidia deliciosa\) changes intestinal microbial profile.](#)

Microbial ecology in health and disease , Volume: 23 2012

Authors Lee YK,Low KY,Siah K,Drummond LM,Gwee KA

[Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.](#)

Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec

Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

[Effects of dietary supplementation of Bacillus amyloliquefaciens CECT 5940 and Enterococcus faecium CECT 4515 in adult healthy dogs.](#)

Archives of animal nutrition , Volume: 67 Issue: 5 2013

Authors González-Ortiz G,Castillejos L,Mallo JJ,Àngels Calvo-Torras M,Dolores Baucells M

[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

[Effect of Lactobacillus salivarius Ls-33 on fecal microbiota in obese adolescents.](#)

Clinical nutrition (Edinburgh, Scotland) , Volume: 32 Issue: 6 2013 Dec

Authors Larsen N,Vøgesen FK,Gøbel RJ,Michaelsen KF,Forssten SD,Lahtinen SJ,Jakobsen 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

[Analysis of bacterial community shifts in the gastrointestinal tract of pigs fed diets supplemented with β-glucan from Laminaria digitata, Laminaria hyperborea and Saccharomyces cerevisiae.](#)

Animal : an international journal of animal bioscience , Volume: 7 Issue: 7 2013 Jul

Authors Murphy P,Dal Bello F,O'Doherty J,Arendt EK,Sweeney T,Coffey A

[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

[White button mushrooms increase microbial diversity and accelerate the resolution of Citrobacter rodentium infection in mice.](#)

The Journal of nutrition , Volume: 143 Issue: 4 2013 Apr

Authors Varshney J,Ooi JH,Jayarao BM,Albert I,Fisher J,Smith RL,Patterson AD,Cantorna MT

[The inhibitory effect of polyphenols on human gut microbiota.](#)

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 63 Issue: 5 2012 Oct

Authors Duda-Chodak A

In vitro fermentation of commercial α -gluco-oligosaccharide by faecal microbiota from lean and obese human subjects.

The British journal of nutrition , Volume: 109 Issue: 11 2013 Jun

Authors Sarbini SR,Kolida S,Gibson GR,Rastall RA

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

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

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

Gut microbiome composition is linked to whole grain-induced immunological improvements.

The ISME journal , Volume: 7 Issue: 2 2013 Feb

Authors Martinez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

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

Rumen bacterial, archaeal, and fungal diversity of dairy cows in response to ingestion of lauric or myristic acid.

Journal of animal science , Volume: 90 Issue: 12 2012 Dec

Authors Hristov AN,Callaway TR,Lee C,Dowd SE

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

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

Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.

FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan

Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C

Enzyme deactivation treatments did not decrease the beneficial role of oat food in intestinal microbiota and short-chain fatty acids: an in vivo study.

Journal of the science of food and agriculture , Volume: 93 Issue: 3 2013 Feb

Authors Hu X,Xing X,Zhen H

Efficacy of berberine, an antimicrobial plant alkaloid, as an endodontic irrigant against a mixed-culture biofilm in an in vitro tooth model.

Journal of endodontics , Volume: 38 Issue: 8 2012 Aug

Authors Xie Q,Johnson BR,Wenckus CS,Fayad MI,Wu CD

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

454 pyrosequencing reveals a shift in fecal microbiota of healthy adult men consuming polydextrose or soluble corn fiber.

The Journal of nutrition , Volume: 142 Issue: 7 2012 Jul

Authors Hooda S,Boler BM,Serao MC,Brulk JM,Staeger MA,Boileau TW,Dowd SE,Fahey GC Jr,Swanson KS

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

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

Effect of Lactobacillus salivarius bacteriocin Abp118 on the mouse and pig intestinal microbiota.

PloS one , Volume: 7 Issue: 2 2012

Authors Riboulet-Bisson E,Sturme MH,Jeffery IB,O'Donnell MM,Neville BA,Forde BM,Claesson MJ,Harris H,Gardiner GE,Casey PG,Lawlor PG,O'Toole PW,Ross RP

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

Impact of polydextrose on the faecal microbiota: a double-blind, crossover, placebo-controlled feeding study in healthy human subjects.

The British journal of nutrition , Volume: 108 Issue: 3 2012 Aug

Authors Costabile A,Fava F,Röytiö H,Forssten SD,Olli K,Klievink J,Rowland IR,Ouwehand AC,Rastall RA,Gibson GR,Walton GE

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

In vitro fermentation of sugar beet arabino-oligosaccharides by fecal microbiota obtained from patients with ulcerative colitis to selectively stimulate the growth of Bifidobacterium spp. and Lactobacillus spp.

Applied and environmental microbiology , Volume: 77 Issue: 23 2011 Dec

Authors Vignæs LK,Holck J,Meyer AS,Licht TR

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

Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.

Poultry science , Volume: 90 Issue: 3 2011 Mar

Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A

The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote d'Ivoire.

The American journal of clinical nutrition , Volume: 92 Issue: 6 2010 Dec

Authors Zimmermann MB,Chassard C,Rohner F,N'goran EK,Nindjin C,Dostal A,Utzinger J,Ghattas H,Lacroix C,Hurrell RF

[Functional biostructure of colonic microbiota (central fermenting area, germinal stock area and separating mucus layer) in healthy subjects and patients with diarrhea treated with Saccharomyces boulardii].

Gastroenterologie clinique et biologique , Volume: 34 Suppl 1 2010 Sep

Authors Swidsinski A,Loening-Baucke V,Kirsch S,Doerffel Y

Oral administration of Clostridium butyricum for modulating gastrointestinal microflora in mice.

Current microbiology , Volume: 62 Issue: 2 2011 Feb

Authors Kong Q,He GQ,Jia JL,Zhu QL,Ruan H

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

Dominant and diet-responsive groups of bacteria within the human colonic microbiota.

The ISME journal , Volume: 5 Issue: 2 2011 Feb

Authors Walker AW,Ince J,Duncan SH,Webster LM,Holtrop G,Ze X,Brown D,Stares MD,Scott P,Bergerat A,Louis P,McIntosh F,Johnstone AM,Lobley GE,Parkhill J,Flint HJ

Characterisation and response of intestinal microflora and mucins to manno-oligosaccharide and antibiotic supplementation in broiler chickens.

British poultry science , Volume: 51 Issue: 3 2010 Jun

Authors Chee SH,Iji PA,Choct M,Mikkelsen LL,Kocher A

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

Comparisons of subgingival microbial profiles of refractory periodontitis, severe periodontitis, and periodontal health using the human oral microbe identification microarray.

Journal of periodontology , Volume: 80 Issue: 9 2009 Sep

Authors Colombo AP,Boches SK,Cotton SL,Goodson JM,Kent R,Haffajee AD,Socransky SS,Hasturk H,Van Dyke TE,Dewhirst F,Paster BJ

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

Lactulose feeding lowers cecal densities of clostridia in piglets.

JPEN. Journal of parenteral and enteral nutrition , Volume: 31 Issue: 3 2007 May-Jun

Authors Kien CL,Blauwiekel R,Williams CH,Bunn JY,Buddington RK

Effect of polydextrose on intestinal microbes and immune functions in pigs.

The British journal of nutrition , Volume: 98 Issue: 1 2007 Jul

Authors Fava F,Mäkivuokko H,Siljander-Rasi H,Putala H,Tiihonen K,Stowell J,Tuohy K,Gibson G,Rautonen N

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

Konjac acts as a natural laxative by increasing stool bulk and improving colonic ecology in healthy adults.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 22 Issue: 11-12 2006 Nov-Dec

Authors Chen HL,Cheng HC,Liu YJ,Liu SY,Wu WT

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

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

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

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

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

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

Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.

The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec

Authors Dongowski G,Huth M,Gebhardt E,Flamme W

Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.

Applied and environmental microbiology , Volume: 68 Issue: 10 2002 Oct

Authors Apajalahti JH,Kettunen H,Kettunen A,Holben WE,Nurminen PH,Rautonen N,Mutanen M

Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.**The British journal of nutrition** , Volume: 88 Suppl 1 2002 Sep

Authors Bomba A,Nemcová R,Gancarcíková S,Herich R,Guba P,Mudronová D

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

Evaluation of N-acetylchitooligosaccharides as the main carbon sources for the growth of intestinal bacteria.**FEMS microbiology letters** , Volume: 209 Issue: 1 2002 Mar 19

Authors Chen HC,Chang CC,Mau WJ,Yen LS

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

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

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

The effect of sucrose or starch-based diet on short-chain fatty acids and faecal microflora in rats.**Journal of applied microbiology** , Volume: 86 Issue: 2 1999 Feb

Authors Cresci A,Orpianesi C,Silvi S,Mastrandrea V,Dolara P

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

Effects of lactulose and lactitol on colonic microflora and enzymatic activity.**Scandinavian journal of gastroenterology. Supplement** , Volume: 222 1997

Authors Ballongue J,Schumann C,Quignon P

Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.**The American journal of clinical nutrition** , Volume: 65 Issue: 5 1997 May

Authors Kleessen B,Sykura B,Zunft HJ,Blaut M

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

The fermentation of lactulose by colonic bacteria.**Journal of general microbiology** , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS,Bramley PM,Menzies IS

Effect of saccharin on growth and acid production of glucose-grown pathogenic and oral bacteria.**Microbios** , Volume: 42 Issue: 169-170 1985

Authors Linke HA,Doyle GA

Factors affecting growth and lipase production by meat lactobacilli strains and Brochothrix thermosphacta.

The Journal of applied bacteriology , Volume: 64 Issue: 2 1988 Feb

Authors Papon M,Talon R

Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.

The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar

Authors Slade AP,Wyatt GM,Bayliss CE,Waites WM

Diet and faecal flora in the newborn: iron.

Archives of disease in childhood , Volume: 66 Issue: 12 1991 Dec

Authors Balmer SE,Wharton BA

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

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

[Research cited on Manufacture Website].

Research cited on Manufacture Website , Volume: 0 Issue: 0 2018 Jan

Authors Miyarisan Labs

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

cdk15 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

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