

Microbiome Information for: NonCeliac Gluten Sensitivity

For prescribing Medical professionals Review

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

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

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

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

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

In the USA

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

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of NonCeliac Gluten Sensitivity

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

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Bacteroidia	class	Low	200643	Collinsella	genus	High	102106
Oscillospiraceae	family	High	216572	Eggerthella	genus	High	84111
Porphyromonadaceae	family	Low	171551	Faecalibacterium	genus	Low	216851
Actinobacillus	genus	High	713	Fingoldia	genus	High	150022
Bifidobacterium	genus	Low	1678	Lactobacillus	genus	Low	1578
Blautia	genus	High	572511	Sphingobacterium	genus	Low	28453
				Akkermansia muciniphila	species	High	239935

Substance to Consider Adding or Taking

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

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

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

2-aminoacetic acid {glycine} 15 gram/day

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

Akkermansia muciniphila {Pendulum Probiotic} 10 BCFU/day

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

Curcuma amada {Mango ginger}

Dextrin 40 gram/day

Diferuloylmethane {Curcumin} 3 gram/day

Ferum {Iron Supplements} 400 mg/day

Humulus lupulus compound {Xanthohumol}

metformin (prescription)

MINOCYCLINE [CFS]

N-(phosphonomethyl)glycine {glyphosate}

Nitrogen Oxide x Particulate Matter {Urban air pollutant}

penicillin-moxalactam

Polyethylene oxide sorbitan mono-oleate {Polysorbate 80}

Silver nanoparticles {Colloidal silver}

Sodium Chloride {Salt}

Sodium Fluoride {Toothpaste fluoride}

Sus domesticus {Pork}

Titanium Dioxide {E171}

Zinc {Zinc Supplements} 300 mg/day

Retail Probiotics

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

Pendulum / Pendulum Glucose Control
Pendulum / akkermansia muciniphila
SuperSmart / Akkermansia Muciniphila Postbiotic (pasturized)
Pendulum / Metabolic Daily
Codeage, GLP-1 Probiotic+
Pendulum GLP-1 Probiotic
natviehealthcare.com/Renewbiome Akkermansia

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}	Human milk oligosaccharides (prebiotic, Holigos, Stachyose)
bacillus subtilis {B.Subtilis }	Lactobacillus plantarum {L. plantarum}
Bifidobacterium animalis subsp. lactis {B. Lactis}	oligosaccharides {oligosaccharides}
dietary fiber	Outer Layers of Triticum aestivum {Wheat Bran}
Fiber, total dietary	pectin {pectin}
fructo-oligosaccharides	Slow digestible carbohydrates. {Low Glycemic}
fruit	soy
fruit/legume fibre	synthetic disaccharide derivative of lactose {Lactulose}
Hordeum vulgare {Barley}	β-lactoglobulin {Whey}

Sample of Literature Used

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

The role of microbiome in the development of gluten-related disorders.

Best practice & research. Clinical gastroenterology , Volume: 72 2024 Sep

Authors Catassi G,Lener E,Grattagliano MM,Motuz S,Zavarella MA,Bibbò S,Cammarota G,Gasbarrini A,Ianiro G,Catassi C

Lack of Effect of Gluten Challenge on Fecal Microbiome in Patients With Celiac Disease and Non-Celiac Gluten Sensitivity.

Clinical and translational gastroenterology , Volume: 12 Issue: 12 2021 Dec 20

Authors Nobel YR,Rozenberg F,Park H,Freedberg DE,Blaser MJ,Green PHR,Uhlemann AC,Lebwohl B

Non-Celiac Gluten/Wheat Sensitivity: Clinical Characteristics and Microbiota and Mycobiota Composition by Response to the Gluten Challenge Test.

Nutrients , Volume: 13 Issue: 4 2021 Apr 12

Authors Ponzo V,Ferrocino I,Goitre I,Pellegrini M,Bruno M,Astegiano M,Cadario G,Castellana E,Bioletto F,Corvaglia MR,Malfa P,Cocolin L,Ghigo E,Bo S

Comparison of gut microbiota profile in celiac disease, non-celiac gluten sensitivity and irritable bowel syndrome: A systematic review.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 31 Issue: 11 2020 Nov

Authors Transeth EL,Dale HF,Lied GA

Diet, Perceived Intestinal Well-Being and Compositions of Fecal Microbiota and Short Chain Fatty Acids in Oat-Using Subjects with Celiac Disease or Gluten Sensitivity.

Nutrients , Volume: 12 Issue: 9 2020 Aug 25

Authors Nylund L,Hakkola S,Lahti L,Salminen S,Kalliomäki M,Yang B,Linderborg KM

First Insights into the Gut Microbiota of Mexican Patients with Celiac Disease and Non-Celiac Gluten Sensitivity.

Nutrients , Volume: 10 Issue: 11 2018 Nov 2

Authors Garcia-Mazcorro JF,Rivera-Gutierrez X,Cobos-Quevedo OJ,Grube-Pagola P,Meixueiro-Daza A,Hernandez-Flores K,Cabrera-Jorge FJ,Vivanco-Cid H,Dowd SE,Remes-Troche JM

Influence of low FODMAP and gluten-free diets on disease activity and intestinal microbiota in patients with non-celiac gluten sensitivity.

Clinical nutrition (Edinburgh, Scotland) , Volume: 38 Issue: 2 2019 Apr

Authors Dieterich W,Schuppan D,Schink M,Schwappacher R,Wirtz S,Agaimy A,Neurath MF,Zopf Y

Salt sensitivity potentiates high-salt diet-induced intestinal barrier disruption and gut microbiome dysbiosis in rats.

Frontiers in microbiology , Volume: 16 2025

Authors Zeng B,Peng X,Xiao P,Nie K,Zhang G,Xia L

Dietary inulin mediates the molecular mechanism of intestinal metabolites to alleviate high salt diet-induced chronic kidney disease in mice.

The Journal of nutritional biochemistry , 2026 Jan 15

Authors Qu Q,Gao H,Gao X,Li P,Mou Y,Kong X,Tan X

Therapeutic Mechanisms of Lactiplantibacillus plantarum NXU0014 Against Chronic Alcohol-Induced Liver Injury Mediated by Gut-Liver Axis Modulation.

Molecular nutrition & food research , Volume: 70 Issue: 1 2026 Jan

Authors Ji Q,Wang Y,Huo L,Qiao C,Li F,Yang F,Pan L

Synergistic Effects of Garlic Extract and Mannan-Oligosaccharide Prebiotic Supplementation on Growth Performance, Carcass Quality, Immunity, Gut Morphology and Microbiome in Broiler Chickens.

Veterinary medicine and science , Volume: 12 Issue: 1 2026 Jan

Authors Khan A,Mushtaq M,Shah M,Khan RU,Alonaizan R,Naz S,Abudabos A,Israr M

Oligosaccharides and small molecule components of Sijunzi decoction modulate the gut microbiota-bile acid axis to synergistically alleviate spleen deficiency syndrome.

Journal of ethnopharmacology , Volume: 360 2025 Dec 31

Authors Chen X,Pu Z,Ma P,Liu Y,Li X

Targeting gut microbiota with short-chain fructo-oligosaccharides prebiotic fibers to support metabolic health in overweight prediabetic adults: a randomized, double-blinded, placebo-controlled study.

Frontiers in nutrition , Volume: 12 2025

Authors Le Bourgot C,Capronnier O,Graf S,Carton T

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

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

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

[Effects of whey protein isolate on the human gut microbiota and intestinal function in older adults.](#)

Journal of dairy science , 2025 Nov 27

Authors Rackerby B,Kim E,Bobe G,Dallas DC,Park SH

[Multi-Strain Probiotics Alleviate Alcoholic Liver Disease Via Microbiota-Metabolism Axis: A Randomized Controlled Study.](#)

Probiotics and antimicrobial proteins , 2025 Nov 3

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

[Dietary Supplementation with Bacillus licheniformis and Bacillus subtilis Modulates Immunity, Serum Metabolome, and Intestinal Homeostasis in Cats.](#)

Animals : an open access journal from MDPI , Volume: 15 Issue: 20 2025 Oct 14

Authors Zhang M,Xu H,Zhang T,Kang J,Xu Z,Wu P,Niu Y,Shi Y,Zhong Y,Yang C

[Comparative analysis of dietary fiber impact on bile acid metabolism and gut microbiota composition in mice.](#)

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

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

[Pasteurized Akkermansia muciniphila AKK PROBIO Attenuates Obesity Through Gut Microbiota-SCFA-GLP-1 Axis and Potential Involvement of AMPK/PPAR-α Pathway.](#)

Probiotics and antimicrobial proteins , 2025 Oct 22

Authors Yang L,Huang Y,Chen M,Ma X,Yu X,Ren D,Leng Y

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

Journal of animal science , 2025 Oct 16

Authors Miller HE,Sasser CN,Hernandez MS,Legako JF,Anderson CJ,Schmitz-Esser S,Ericsson AC,Broadway PR,Sanchez NCB,Carroll JA,Penn MJC,Petry AL

[The multifaceted impact of a high-salt environment on the immune system and its contribution to salt-sensitive hypertension.](#)

Biochemistry and biophysics reports , Volume: 44 2025 Dec

Authors Wang L,Hu J,Ren K

[Multi-omics analysis of a prebiotic intervention with pectin in lipid transfer proteins \(LTPs\) allergic patients.](#)

Carbohydrate polymers , Volume: 369 2025 Dec 1

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

[Individual and Combined Effects of Medium- and Long-Chain Triacylglycerol and 2'-Fucosyllactose on Small Intestinal Morphology, Barrier Function, and Gut Microbiota in Growing C57BL/6 Mice.](#)

Nutrients , Volume: 17 Issue: 17 2025 Aug 31

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

[Effect of Lactiplantibacillus plantarum LPJZ-658 on caecum microbiota and serum metabolomics of Luhua broiler.](#)

Frontiers in microbiology , Volume: 16 2025

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

[Strain-Specific Lactobacillus Probiotics Intervention in Mitigating Obesity and Metabolic Dysregulation via Gut Microbiota Modulation in a Mouse Model of High-Fat Diet.](#)

Probiotics and antimicrobial proteins , 2025 Aug 29

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

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

Frontiers in immunology , Volume: 16 2025

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

[Lactiplantibacillus plantarum promotes lactoferrin synthesis and secretion in bovine mammary epithelial cells through STAT3 and AP-1 transcription factor pathways.](#)

In vitro cellular & developmental biology. Animal , 2025 Aug 13

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

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

Food & function , 2025 Aug 7

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

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

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

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

[Licorice Total Flavonoids and Its Gut-Enriched Lactobacillus plantarum Synergistically Activate the Nrf2 Pathway to Alleviate](#)

Liver Injury.**Journal of agricultural and food chemistry** , 2025 Jul 2

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

2'-Fucosyllactose synbiotics with Bifidobacterium bifidum to improve intestinal transcriptional function and gut microbiota in constipated mice.**Food research international (Ottawa, Ont.)** , Volume: 217 2025 Oct

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

Combined Phytochemical Sulforaphane and Dietary Fiber Inulin Contribute to the Prevention of ER-Negative Breast Cancer via PI3K/AKT/MTOR Pathway and Modulating Gut Microbial Composition.**Nutrients** , Volume: 17 Issue: 12 2025 Jun 17

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

Dietary Supplementation of Zinc Oxide Quantum Dots Protective Against Clostridium perfringens Induced Negative Effects in Broilers.**Toxins** , Volume: 17 Issue: 6 2025 May 29

Authors Shi L, Niu QJ, Xu HH, Huang YX, Zhao YW, Refaie A, Sun LH, Deng ZC

Dietary Galacto-Oligosaccharides Enhance Growth Performance and Modulate Gut Microbiota in Weaned Piglets: A Sustainable Alternative to Antibiotics.**Animals : an open access journal from MDPI** , Volume: 15 Issue: 11 2025 May 22

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

2'-Fucosyllactose Modulates the Intestinal Immune Response to Gut Microbiota and Buffers Experimental Colitis in Mice: An Integrating Investigation of Colonic Proteomics and Gut Microbiota Analysis.**Food science & nutrition** , Volume: 13 Issue: 6 2025 Jun

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

Impact of the Probiotic on the Modulation of Vaginal Bacterial and Fungal Microbiota in HPV-Positive Women.**Molecular nutrition & food research** , 2025 Jun 11

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

Dietary supplementation with soluble corn fiber improved fecal score, microbiota, and SCFAs in dogs.**Frontiers in veterinary science** , Volume: 12 2025

Authors Liang D, Zhao S, Yin G

Probiotic Akkermansia muciniphila alleviates acute kidney injury by protecting the intestinal barrier and modulating gut microbiota and metabolites.**Journal of biomedical research** , 2025 May 25

Authors Ni J, Yang Z, Sun X, Cui Q, Zhang R, Lu H, Wu Z, Zhu J, Mao H, Liu K, Tang C, Wang C, Xing C, Zhu J

Lactobacillus plantarum and Galacto-Oligosaccharides Synbiotic Relieve Irritable Bowel Syndrome by Reshaping Gut Microbiota and Attenuating Mast Cell Hyperactivation.**Nutrients** , Volume: 17 Issue: 10 2025 May 14

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

Impact of probiotic Lactobacillus plantarum GKM3 on gastrointestinal health in overweight and obese individuals: A randomized clinical trial.**Clinical nutrition ESPEN** , Volume: 68 2025 May 16

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

Supplementation of 2'-Fucosyllactose during the Growth Period Improves Neurodevelopmental Disorders in Offspring Mice Induced by Maternal Immune Activation.**Journal of agricultural and food chemistry** , 2025 May 11

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

A single-cell transcriptomic atlas of all cell types in the brain of 5xFAD Alzheimer mice in response to dietary inulin supplementation.**BMC biology** , Volume: 23 Issue: 1 2025 May 9

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

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

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

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

Molecular nutrition & food research , 2025 Apr 18

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

[Human Milk Oligosaccharide Lacto-N-Neotetraose Promotes Gut Microbiota Recovery in the Context of Antibiotic-Induced Dysbiosis.](#)**Journal of agricultural and food chemistry , 2025 Apr 17**

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

[Effects of combined prebiotic fiber supplementation and weight loss counseling in adults with metabolic dysfunction-associated steatotic liver disease: a randomized controlled trial.](#)**European journal of nutrition , Volume: 64 Issue: 4 2025 Apr 2**

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

[Superior ability of dietary fiber utilization in obese breed pigs linked to gut microbial hydrogenotrophy.](#)**ISME communications , Volume: 5 Issue: 1 2025 Jan**

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

[Curcumin Ameliorated Glucocorticoid-Induced Osteoporosis While Modulating the Gut Microbiota and Serum Metabolome.](#)**Journal of agricultural and food chemistry , 2025 Mar 26**

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

[Alleviation effects of Lactobacillus plantarum in colitis aggravated by a high-salt diet depend on intestinal barrier protection, NF- \$\kappa\$ B pathway regulation, and oxidative stress improvement.](#)**Food & function , 2025 Mar 20**

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

[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

[Carbon dioxide enhances Akkermansia muciniphila fitness and anti-obesity efficacy in high-fat diet mice.](#)**The ISME journal , 2025 Feb 23**

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

[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

[Isolated White Lupin Proteins Beneficially Modulate the Intestinal Microbiota Composition in Rats.](#)**Nutrients , Volume: 17 Issue: 3 2025 Jan 31**

Authors Rubio LA,Chiesa G

[Human milk oligosaccharides 2'-fucosyllactose and 3-fucosyllactose attenuate ovalbumin-induced food allergy through immunoregulation and gut microbiota modulation.](#)**Food & function , Volume: 16 Issue: 4 2025 Feb 17**

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

[Synergistic defecation effects of Bifidobacterium animalis subsp. lactis BL-99 and fructooligosaccharide by modulating gut microbiota.](#)**Frontiers in immunology , Volume: 15 2024**

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

[Gut microbiota involvement in the effect of water-soluble dietary fiber on fatty liver and fibrosis.](#)**Bioscience of microbiota, food and health , Volume: 44 Issue: 1 2025**

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

[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

[Omic characterizing and targeting gut dysbiosis in children with autism spectrum disorder: symptom alleviation through combined probiotic and medium-carbohydrate diet intervention - a pilot study.](#)**Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec**

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

[Chitin promotes equol production via n-acetylglucosamine in human fecal cultures.](#)**Anaerobe , Volume: 91 2024 Nov 26**

Authors Kodera M,Nakamura K,Yokoyama 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

Akkermansia muciniphila ONE effectively ameliorates dextran sulfate sodium (DSS)-induced ulcerative colitis in mice.

NPJ science of food , Volume: 8 Issue: 1 2024 Nov 19

Authors Zhang H,Pan Y,Jiang Y,Chen M,Ma X,Yu X,Ren D,Jiang B

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

Journal of advanced research , 2024 Nov 14

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

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

Human milk oligosaccharides and milk fat globule membrane reduce allergic reactions in mice through the modulation of gut microbiota and metabolic functions.

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

Authors Chen X,Yang S,Guo Z,Li B,Wang Z,Jiang L

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

Supplementation of curcumin promotes the intestinal structure, immune barrier function and cecal microbiota composition of laying hens in early laying period.

Poultry science , Volume: 103 Issue: 12 2024 Sep 24

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

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

Critical reviews in food science and nutrition , 2024 Oct 16

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

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

Poultry science , Volume: 103 Issue: 12 2024 Dec

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

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

Food & function , 2024 Oct 11

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

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

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

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

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

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

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

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

Epicatechin and 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

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

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

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

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

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

Food & function , 2024 Jul 24

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

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

International journal of obesity (2005) , 2024 Jul 20

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

Effects of dietary zinc on the gut microbiome and resistome of the gestating cow and neonatal calf.

Animal microbiome , Volume: 6 Issue: 1 2024 Jul 19

Authors Drake MJ,Daniel SG,Baker LD,Indugu N,Bittinger K,Dickens C,Zackular JP,Pitta D,Redding LE

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

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

Nature reviews. Microbiology , 2024 Jul 15

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

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

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

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

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

Nutrients , Volume: 16 Issue: 13 2024 Jun 24

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

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

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

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

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

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

Authors Popov IV,Koopmans B,Venema K

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

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

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

Impact of high-salt diet in health and diseases and its role in pursuit of cancer immunotherapy by modulating gut microbiome.

Journal of family medicine and primary care , Volume: 13 Issue: 5 2024 May

Authors Balan Y,Sundaramurthy R,Gaur A,Varatharajan S,Raj GM

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

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

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

Journal of ethnopharmacology , Volume: 333 2024 Jun 21

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

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

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

Protective effect of zinc gluconate on intestinal mucosal barrier injury in antibiotics and LPS-induced mice.

Frontiers in microbiology , Volume: 15 2024

Authors Wang Y, Xiao J, Wei S, Su Y, Yang X, Su S, Lan L, Chen X, Huang T, Shan Q

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

Akkermansia muciniphila isolated from forest musk deer ameliorates diarrhea in mice via modification of gut microbiota.

Animal models and experimental medicine , 2024 Jun 3

Authors Deng Y, Wang Y, Liu Y, Yang X, Zhang H, Xue X, Wan Y

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

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

Live and pasteurized Akkermansia muciniphila ameliorates diabetic cognitive impairment by modulating gut microbiota and metabolites in db/db mice.

Experimental neurology , Volume: 378 2024 Aug

Authors Du Y, An Y, Song Y, Li N, Zheng J, Lu Y

Maternal or post-weaning dietary fructo-oligosaccharide supplementation reduces stillbirth rate of sows and diarrhea of weaned piglets.

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

Authors Ma K, Su B, Li F, Li J, Nie J, Xiong W, Luo J, Huang S, Zhou T, Liang X, Li F, Deng J, Tan C

Potential Prebiotic Properties of Whey Protein and Glycomacropeptide in Gut Microbiome.

Food science of animal resources , Volume: 44 Issue: 2 2024 Mar

Authors Rackerby B, Le HNM, Haymowicz A, Dallas DC, Park SH

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

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

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

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

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

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

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

The Effects of Food Nutrients and Bioactive Compounds on the Gut Microbiota: A Comprehensive Review.**Foods (Basel, Switzerland) , Volume: 13 Issue: 9 2024 Apr 26**

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

Effect of metformin and metformin/linagliptin on gut microbiota in patients with prediabetes.**Scientific reports , Volume: 14 Issue: 1 2024 Apr 27**

Authors Martínez-López YE,Neri-Rosario D,Esquivel-Hernández DA,Padron-Manrique C,Vázquez-Jiménez A,Sánchez-Castañeda JP,Girón-Villalobos D,Mendoza-Ortiz C,Reyes-Escogido ML,Evia-Viscarra ML,Aguilar-Garcia A,Resendis-Antonio O,Guardado-Mendoza R

Antitumor Effect and Gut Microbiota Modulation by Quercetin, Luteolin, and Xanthohumol in a Rat Model for Colorectal Cancer Prevention.**Nutrients , Volume: 16 Issue: 8 2024 Apr 13**

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

In Vitro Fermentation Shows Polyphenol and Fiber Blends Have an Additive Beneficial Effect on Gut Microbiota States.**Nutrients , Volume: 16 Issue: 8 2024 Apr 13**

Authors Whitman JA,Doherty LA,Pantoja-Feliciano de Goodfellow IG,Racicot K,Anderson DJ,Kensil K,Karl JP,Gibson GR,Soares JW

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

Resveratrol Improves Hyperuricemia and Ameliorates Renal Injury by Modulating the Gut Microbiota.**Nutrients , Volume: 16 Issue: 7 2024 Apr 7**

Authors Zhou Y,Zeng Y,Wang R,Pang J,Wang X,Pan Z,Jin Y,Chen Y,Yang Y,Ling W

Effect of inulin, galacto-oligosaccharides, and polyphenols on the gut microbiota, with a focus on Akkermansia muciniphila.**Food & function , Volume: 15 Issue: 9 2024 May 7**

Authors Tian R,Yu L,Tian F,Zhao J,Chen W,Zhai Q

Symbiotic combination of Akkermansia muciniphila and inosine alleviates alcohol-induced liver injury by modulating gut dysbiosis and immune responses.**Frontiers in microbiology , Volume: 15 2024**

Authors Wei L,Pan Y,Guo Y,Zhu Y,Jin H,Gu Y,Li C,Wang Y,Lin J,Chen Y,Ke C,Xu L

Dietary emulsifier polysorbate 80 exposure accelerates age-related cognitive decline.**Brain, behavior, and immunity , Volume: 119 2024 Jul**

Authors Zhang L,Yin Z,Liu X,Jin G,Wang Y,He L,Li M,Pang X,Yan B,Jia Z,Ma J,Wei J,Cheng F,Li D,Wang L,Han Z,Liu Q,Chen F,Cao H,Lei P

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

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

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

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,Huszcz E,Poplonski J,Villar CJ,Lombó F

Inulin protects against the harmful effects of dietary emulsifiers on mice gut microbiome.**PeerJ , Volume: 12 2024**

Authors Bekar C,Ozmen O,Ozkul C,Ayaz A

Fructo-oligosaccharide supplementation enhances the growth of nursing dairy calves while stimulating the persistence of Bifidobacterium and hindgut microbiome's maturation.**Journal of dairy science , Volume: 107 Issue: 8 2024 Aug**

Authors Gao Y,Zhang W,Zhang T,Yu Y,Mao S,Liu J

Anti-inflammatory probiotics HF05 and HF06 synergistically alleviate ulcerative colitis and secondary liver injury.**Food & function , Volume: 15 Issue: 7 2024 Apr 2**

Authors Liu C,Qi X,Liu X,Sun Y,Mao K,Shen G,Ma Y,Li Q

Prebiotic inulin ameliorates SARS-CoV-2 infection in hamsters by modulating the gut microbiome.**NPJ science of food , Volume: 8 Issue: 1 2024 Mar 14**

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

[Targeting Gut Microbiome With Prebiotic in Patients With CKD: The TarGut-CKD Study.](#)

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

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

[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

[Screening competition and cross-feeding interactions during utilization of human milk oligosaccharides by gut microbes.](#)

Microbiome research reports , Volume: 3 Issue: 1 2024

Authors Díaz R,Garrido D

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

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

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

[Microencapsulation with fructooligosaccharides and whey protein enhances the antioxidant activity of anthocyanins and their ability to modulate gut microbiota in vitro.](#)

Food research international (Ottawa, Ont.) , Volume: 181 2024 Apr

Authors Li X,Wang Y,Jiang Y,Liu C,Zhang W,Chen W,Tian L,Sun J,Lai C,Bai W

[Short-Term Ingestion of Essential Amino Acid Based Nutritional Supplements or Whey Protein Improves the Physical Function of Older Adults Independently of Gut Microbiome.](#)

Molecular nutrition & food research , Volume: 68 Issue: 6 2024 Mar

Authors Azhar G,Verma A,Robeson MS,Patyal P,Nookaew I,Sharma S,Pangle A,Che Y,Wolfe RR,Wei JY

[Curcumin attenuates aflatoxin B1-induced ileum injury in ducks by inhibiting NLRP3 inflammasome and regulating TLR4/NF- \$\kappa\$ 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 Effect of Oral Iron Supplementation/Fortification on the Gut Microbiota in Infancy: A Systematic Review and Meta-Analysis.](#)

Children (Basel, Switzerland) , Volume: 11 Issue: 2 2024 Feb 10

Authors Karamantziani T,Pouliakis A,Xanthos T,Ekmektzoglou K,Paliatsiou S,Sokou R,Iacovidou N

[2'-Fucosyllactose Promotes Colonization of Akkermansia muciniphila and Prevents Colitis In Vitro and in Mice.](#)

Journal of agricultural and food chemistry , Volume: 72 Issue: 9 2024 Mar 6

Authors Liu X,Zhang B,Zhang Y,Li W,Yin J,Shi A,Wang J,Wang S

[Impact of Whey Protein Corona Formation around TiO₂\(2\) Nanoparticles on Their Physiochemical Properties and Gastrointestinal Fate.](#)

Journal of agricultural and food chemistry , Volume: 72 Issue: 9 2024 Mar 6

Authors Shan H,Guo Y,Li J,Liu Z,Chen S,Dashnyam B,McClements DJ,Cao C,Xu X,Yuan B

[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

[Gut enterotype-dependent modulation of gut microbiota and their metabolism in response to xanthohumol supplementation in healthy adults.](#)

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

Authors Jamieson PE,Smart EB,Bouranis JA,Choi J,Danczak RE,Wong CP,Paraiso IL,Maier CS,Ho E,Sharpton TJ,Metz TO,Bradley R,Stevens JF

[Potential mechanisms underlying inhibition of xenograft lung cancer models by kaempferol: modulation of gut microbiota in activating immune cell function.](#)

Journal of Cancer , Volume: 15 Issue: 5 2024

Authors Guan M,Xu W,Bai H,Geng Z,Yu Z,Li H,Liu T

[Anti-Diabetic Potentials of Lactobacillus Strains by Modulating Gut Microbiota Structure and \$\beta\$ -Cells Regeneration in the Pancreatic Islets of Alloxan-Induced Diabetic Rats.](#)

Probiotics and antimicrobial proteins , 2024 Feb 8

Authors Kumar M,Muthurayar T,Karthika S,Gayathri S,Varalakshmi P,Ashokkumar B

Effect of Lactocaseibacillus paracasei K56 with galactooligosaccharide synbiotics on obese individuals: an in vitro fermentation model.

Journal of the science of food and agriculture , Volume: 104 Issue: 9 2024 Jul

Authors Zhang Q,Zhao W,He J,He J,Shi S,Sun M,Niu X,Zeng Z,Zhao Y,Zhang Y,Wang P,Li Y,Zhang C,Duan S,Hung WL,Wang R

Mechanism of 2'-fucosyllactose degradation by human-associated Akkermansia.

Journal of bacteriology , Volume: 206 Issue: 2 2024 Feb 22

Authors Padilla L,Fricker AD,Luna E,Choudhury B,Hughes ER,Panzetta ME,Valdivia RH,Flores GE

The antioxidant strain Lactiplantibacillus plantarum AS21 and Clostridium butyricum ameliorate DSS-induced colitis in mice by remodeling the assembly of intestinal microbiota and improving gut functions.

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

Authors Li W,Zhang Y,Chen M,Guo X,Ding Z

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

The Effect of Lactobacillus plantarum on the Fecal Microbiota, Short Chain Fatty Acids, Odorous Substances, and Blood Biochemical Indices of Cats.

Microorganisms , Volume: 12 Issue: 1 2024 Jan 2

Authors Han B,Liang S,Sun J,Tao H,Wang Z,Liu B,Wang X,Liu J,Wang J

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

Nutrients , Volume: 16 Issue: 2 2024 Jan 12

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

Mechanism of Iron Ion Homeostasis in Intestinal Immunity and Gut Microbiota Remodeling.

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

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

Investigating the Health Implications of Whey Protein Consumption: A Narrative Review of Risks, Adverse Effects, and Associated Health Issues.

Healthcare (Basel, Switzerland) , Volume: 12 Issue: 2 2024 Jan 18

Authors Cava E,Padua E,Campaci D,Bernardi M,Muthanna FMS,Caprio M,Lombardo M

Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF- κ B Inflammasome Pathways and Regulating Intestinal Microbiota.

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

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

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

Effect of chemical, thermal, and enzymatic processing of wheat bran on the solubilization, technological and biological properties of non-starch polysaccharides.

Carbohydrate polymers , Volume: 328 2024 Mar 15

Authors Paesani C,Lammers TCG,Sciarini LS,Moiraghi M,Pérez GT,Fabi JP

Linking human milk oligosaccharide metabolism and early life gut microbiota: bifidobacteria and beyond.

Microbiology and molecular biology reviews : MMBR , Volume: 88 Issue: 1 2024 Mar 27

Authors Lordan C,Roche AK,Delsing D,Nauta A,Groeneveld A,MacSharry J,Cotter PD,van Sinderen D

Human milk oligosaccharides and the association with microbiota in colostrum: a pilot study.

Archives of microbiology , Volume: 206 Issue: 2 2024 Jan 8

Authors Sun W,Tao L,Qian C,Xue P,Tong X,Yang L,Lu F,Wan H,Tao Y

Lactiplantibacillus plantarum X7022 Plays Roles on Aging Mice with Memory Impairment Induced by D-Galactose Through Restoring Neuronal Damage, Relieving Inflammation and Oxidative Stress.

Probiotics and antimicrobial proteins , Volume: 17 Issue: 1 2025 Feb

Authors Yin D,Zhao L,Deng S,Xie Y,Ro KS,Yang Z,Du L,Xie J,Wei D

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

Frontiers in microbiology , Volume: 14 2023

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

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

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

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

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

Air particulate pollution exposure associated with impaired cognition via microbiota gut-brain axis: an evidence from rural elderly female in northwest China.

Environmental science and pollution research international , Volume: 31 Issue: 4 2024 Jan

Authors Yuan J,Tan H,Cheng Y,Ma X,Jiang S,Hou X,Li S,Shi L,Li P,Xu H,Lv J,Han B

Oat-based postbiotics ameliorate high-sucrose induced liver injury and colitis susceptibility by modulating fatty acids metabolism and gut microbiota.

The Journal of nutritional biochemistry , Volume: 125 2024 Mar

Authors Song W,Wen R,Liu T,Zhou L,Wang G,Dai X,Shi L

Sulforaphane and Sulforaphane-Nitrile Metabolism in Humans Following Broccoli Sprout Consumption: Inter-individual Variation, Association with Gut Microbiome Composition, and Differential Bioactivity.

Molecular nutrition & food research , Volume: 68 Issue: 4 2024 Feb

Authors Bouranis JA,Beaver LM,Wong CP,Choi J,Hammer S,Davis EW,Brown KS,Jiang D,Sharpton TJ,Stevens JF,Ho E

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

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

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

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

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

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

Frontiers in veterinary science , Volume: 10 2023

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

Piglet growth performance improved by dietary supplementation of porous or nano particles of zinc oxide may be related to the gut microbiota.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 15 2023 Dec

Authors Long L,Zhao X,Chen J,Wang Z,Tang Y,Huang J,Yin Y

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

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

Metabolites , Volume: 13 Issue: 11 2023 Nov 17

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

Gut microbiome supplementation as therapy for metabolic syndrome.

World journal of diabetes , Volume: 14 Issue: 10 2023 Oct 15

Authors Antony MA,Chowdhury A,Edem D,Raj R,Nain P,Joglekar M,Verma V,Kant R

Inulin prebiotic ameliorates type 1 diabetes dictating regulatory T cell homing via CCR4 to pancreatic islets and butyrogenic gut microbiota in murine model.

Journal of leukocyte biology , Volume: 115 Issue: 3 2024 Feb 23

Authors Guimarães JB,Rodrigues VF,Pereira ÍS,Manso GMDC,Elias-Oliveira J,Leite JA,Waldetario MCGM,de Oliveira S,Gomes

ABDSP,Faria AMC,Ramos SG,Bonato VLD,Silva JS,Vinolo MAR,Sampaio UM,Clerici MTPS,Carlos D

Utilization of diverse oligosaccharides for growth by Bifidobacterium and Lactobacillus species and their in vitro co-cultivation characteristics.

International microbiology : the official journal of the Spanish Society for Microbiology , 2023 Nov 9

Authors Dong Y,Han M,Fei T,Liu H,Gai Z

Early life exposure to broccoli sprouts confers stronger protection against enterocolitis development in an immunological mouse model of inflammatory bowel disease.

mSystems , Volume: 8 Issue: 6 2023 Dec 21

Authors Holcomb L,Holman JM,Hurd M,Lavoie B,Colucci L,Hunt B,Hunt T,Kinney M,Pathak J,Mawe GM,Moses PL,Perry E,Stratigakis A,Zhang T,Chen G,Ishaq SL,Li Y

Antitumor effect of exopolysaccharide from Lactiplantibacillus plantarum WLPL09 on melanoma mice via regulating immunity and gut microbiota.

International journal of biological macromolecules , Volume: 254 Issue: Pt 1 2023 Oct 31

Authors Wang Q,Jiang B,Wei M,He Y,Wang Y,Zhang Q,Wei H,Tao X

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

Effect of a Co-Feed Liquid Whey-Integrated Diet on Crossbred Pigs` Fecal Microbiota.

Animals : an open access journal from MDPI , Volume: 13 Issue: 11 2023 May 25

Authors Sutera AM,Arfuso F,Tardiolo G,Riggio V,Fazio F,Aiese Cigliano R,Paytuví A,Piccione G,Zumbo A

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

Akkermansia muciniphila and its outer membrane protein Amuc_1100 prevent high-fat diet-induced nonalcoholic fatty liver disease in mice.

Biochemical and biophysical research communications , Volume: 684 2023 Dec 3

Authors Qu D,Chen M,Zhu H,Liu X,Cui Y,Zhou W,Zhang M

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

The Journal of nutritional biochemistry , Volume: 124 2024 Feb

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

Differential effects of plant-based flours on metabolic homeostasis and the gut microbiota in high-fat fed rats.

Nutrition & metabolism , Volume: 20 Issue: 1 2023 Oct 19

Authors Martinez TM,Wachsmuth HR,Meyer RK,Weninger SN,Lane AI,Kangath A,Schiro G,Laubitz D,Stern JH,Duca FA

Pectic oligosaccharides ameliorate high-fat diet-induced obesity and hepatic steatosis in association with modulating gut microbiota in mice.

Food & function , Volume: 14 Issue: 21 2023 Oct 30

Authors Yu S,Wang H,Cui L,Wang J,Zhang Z,Wu Z,Lin X,He N,Zou Y,Li S

Bifidobacteria metabolize lactulose to optimize gut metabolites and prevent systemic infection in patients with liver disease.

Nature microbiology , Volume: 8 Issue: 11 2023 Nov

Authors Odenwald MA,Lin H,Lehmann C,Dylla NP,Cole CG,Mostad JD,Pappas TE,Ramaswamy R,Moran A,Hutchison AL,Stutz MR,Dela Cruz M,Adler E,Boissiere J,Khalid M,Cantoral J,Haro F,Oliveira RA,Waligurski E,Cotter TG,Light SH,Beavis KG,Sundararajan A,Sidebottom AM,Reddy KG,Paul S,Pillai A,Te HS,Rinella ME,Charlton MR,Pamer EG,Aronsohn AI

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

Frontiers in microbiology , Volume: 14 2023

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

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

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

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

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

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

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

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

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

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

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

Food & function , 2023 Sep 1

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

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

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

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

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G,Zhang L

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

Nutrients , Volume: 15 Issue: 16 2023 Aug 11

Authors Fabiano GA,Shinn LM,Antunes AEC

Organic zinc glycine chelate is better than inorganic zinc in improving growth performance of cherry valley ducks by regulating intestinal morphology, barrier function, and the gut microbiome.

Journal of animal science , Volume: 101 2023 Jan 3

Authors Chang Y,Wang K,Wen M,Wu B,Liu G,Zhao H,Chen X,Cai J,Jia G

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

Foods (Basel, Switzerland) , Volume: 12 Issue: 14 2023 Jul 21

Authors Mao B,Ren B,Wu J,Tang X,Zhang Q,Zhao J,Zhang L,Chen W,Cui S

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

Heliyon , Volume: 9 Issue: 7 2023 Jul

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

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

Nutrients , Volume: 15 Issue: 13 2023 Jul 5

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

Short-Term Dietary Intervention with Whole Oats Protects from Antibiotic-Induced Dysbiosis.

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

Authors Costa SK,Antosca K,Beekman CN,Peterson RL,Penumutthu S,Belenky P

Effects of organic zinc on production performance, meat quality, apparent nutrient digestibility and gut microbiota of broilers fed low-protein diets.

Scientific reports , Volume: 13 Issue: 1 2023 Jul 4

Authors Dong L,Li Y,Zhang Y,Zhang Y,Ren J,Zheng J,Diao J,Ni H,Yin Y,Sun R,Liang F,Li P,Zhou C,Yang Y

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

Crosstalk between dietary pomegranate and gut microbiota: evidence of health benefits.

Critical reviews in food science and nutrition , 2023 Jun 19

Authors Yin Y,Martínez R,Zhang W,Estévez M

Targeted modification of gut microbiota and related metabolites via dietary fiber.

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Nie Q,Sun Y,Li M,Zuo S,Chen C,Lin Q,Nie S

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

[Gastrointestinal Microbial Ecology of Weaned Piglets Fed Diets with Different Levels of Glyphosate.](#)

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

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

[Characteristic Gut Bacteria in High Barley Consuming Japanese Individuals without Hypertension.](#)

Microorganisms , Volume: 11 Issue: 5 2023 May 9

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

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

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

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

[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

[Dietary Fiber from Navel Orange Peel Prepared by Enzymatic and Ultrasound-Assisted Deep Eutectic Solvents: Physicochemical and Prebiotic Properties.](#)

Foods (Basel, Switzerland) , Volume: 12 Issue: 10 2023 May 16

Authors Zhou L,Luo J,Xie Q,Huang L,Shen D,Li G

[Anti-diabetic effect of modified 'Guanximiyou' pummelo peel pectin on type 2 diabetic mice via gut microbiota.](#)

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

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

[Low-dose glyphosate exposure alters gut microbiota composition and modulates gut homeostasis.](#)

Environmental toxicology and pharmacology , Volume: 100 2023 Jun

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

[Supplementation with inulin-type fructans affects gut microbiota and attenuates some of the cardiometabolic benefits of a plant-based diet in individuals with overweight or obesity.](#)

Frontiers in nutrition , Volume: 10 2023

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

[Microencapsulation of Lactobacillus plantarum MBO01 and its probiotic effect on growth performance, cecal microbiome and gut integrity of broiler chickens in a tropical climate.](#)

Animal bioscience , Volume: 36 Issue: 8 2023 Aug

Authors Vimom S,Angkanaporn K,Nuengjamnong C

[Lactulose regulates gut microbiota dysbiosis and promotes short-chain fatty acids production in acute pancreatitis patients with intestinal dysfunction.](#)

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 163 2023 Jul

Authors Wang J,Jiang M,Hu Y,Lei Y,Zhu Y,Xiong H,He C

[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

[Lung-gut axis of microbiome alterations following co-exposure to ultrafine carbon black and ozone.](#)

Particle and fibre toxicology , Volume: 20 Issue: 1 2023 Apr 21

Authors Mazumder MHH,Gandhi J,Majumder N,Wang L,Cumming RI,Stradtman S,Velayutham M,Hathaway QA,Shannahan J,Hu G,Nurkiewicz TR,Tighe RM,Kelley EE,Hussain S

[Association of long-term exposure to ambient PM\(2.5\) and its constituents with gut microbiota: Evidence from a China cohort.](#)

The Science of the total environment , Volume: 884 2023 Aug 1

Authors Li S,Guo B,Dong K,Huang S,Wu J,Zhou H,Wu K,Han X,Liang X,Pei X,Zuo H,Lin H,Zhao X,China Multi-Ethnic Cohort (CMIEC) collaborative group

[Sialic acid exacerbates gut dysbiosis-associated mastitis through the microbiota-gut-mammary axis by fueling gut microbiota disruption.](#)

Microbiome , Volume: 11 Issue: 1 2023 Apr 17

Authors Zhao C,Hu X,Qiu M,Bao L,Wu K,Meng X,Zhao Y,Feng L,Duan S,He Y,Zhang N,Fu Y

Lactobacillus plantarum CCFM405 against Rotenone-Induced Parkinson's Disease Mice via Regulating Gut Microbiota and Branched-Chain Amino Acids Biosynthesis.

Nutrients , Volume: 15 Issue: 7 2023 Apr 1

Authors Chu C,Yu L,Li Y,Guo H,Zhai Q,Chen W,Tian F

Dried Fruits: Bioactives, Effects on Gut Microbiota, and Possible Health Benefits-An Update.

Nutrients , Volume: 15 Issue: 7 2023 Mar 26

Authors Alasalvar C,Chang SK,Kris-Etherton PM,Sullivan VK,Petersen KS,Guasch-Ferré M,Jenkins DJA

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,Kleinewietfeld M

Neuroprotective Effects of Lactobacillus plantarum PS128 in a Mouse Model of Parkinson's Disease: The Role of Gut Microbiota and MicroRNAs.

International journal of molecular sciences , Volume: 24 Issue: 7 2023 Apr 5

Authors Lee YZ,Cheng SH,Chang MY,Lin YF,Wu CC,Tsai YC

Psychobiotic Lactobacillus plantarum JYLP-326 relieves anxiety, depression, and insomnia symptoms in test anxious college via modulating the gut microbiota and its metabolism.

Frontiers in immunology , Volume: 14 2023

Authors Zhu R,Fang Y,Li H,Liu Y,Wei J,Zhang S,Wang L,Fan R,Wang L,Li S,Chen T

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

Experimental gerontology , Volume: 176 2023 Jun 1

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

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

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

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

Lactobacillus plantarum ZJ316 alleviates ulcerative colitis by inhibiting inflammation and regulating short-chain fatty acid levels and the gut microbiota in a mouse model.

Food & function , Volume: 14 Issue: 9 2023 May 11

Authors Gu Q,Xia C,Liu N,Chen Z,Zhou Q,Li P

Ambient particulate air pollution and the intestinal microbiome: a systematic review of epidemiological, in vivo and, in vitro studies.

The Science of the total environment , Volume: 878 2023 Jun 20

Authors Van Pee T,Navrot TS,van Leeuwen R,Hogervorst J

Lactobacillus plantarum HF02 alleviates lipid accumulation and intestinal microbiota dysbiosis in high-fat diet-induced obese mice.

Journal of the science of food and agriculture , Volume: 103 Issue: 9 2023 Jul

Authors Chen H,Zhao H,Qi X,Sun Y,Ma Y,Li Q

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

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

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

Goji berry leaf exerts a comparable effect against colitis and microbiota dysbiosis to its fruit in dextran-sulfate-sodium-treated mice.

Food & function , Volume: 14 Issue: 7 2023 Apr 3

Authors Yu C,Chen Y,Ahmadi S,Wu D,Wu J,Ding T,Liu D,Ye X,Chen S,Pan H

Lactobacillus plantarum-Derived Postbiotics Ameliorate Acute Alcohol-Induced Liver Injury by Protecting Cells from Oxidative Damage, Improving Lipid Metabolism, and Regulating Intestinal Microbiota.

Nutrients , Volume: 15 Issue: 4 2023 Feb 7

Authors Ye W,Chen Z,He Z,Gong H,Zhang J,Sun J,Yuan S,Deng J,Liu Y,Zeng A

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

Donkey whey protein and peptides regulate gut microbiota community and physiological functions of D-galactose-induced

aging mice.

Food science & nutrition , Volume: 11 Issue: 2 2023 Feb

Authors Zhou X,Tian X,Song L,Luo L,Ma Z,Zhang F

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

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

Frontiers in microbiomes , Volume: 1 2022

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

A diet enriched in omega-3 PUFA and inulin prevents type 1 diabetes by restoring gut barrier integrity and immune homeostasis in NOD mice.

Frontiers in immunology , Volume: 13 2022

Authors Lo Conte M,Antonini Cencicchio M,Ulaszewska M,Nobili A,Cosorich I,Ferrarese R,Massimino L,Andolfo A,Ungaro F,Mancini N,Falcone M

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

Frontiers in nutrition , Volume: 9 2022

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

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

Frontiers in nutrition , Volume: 9 2022

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

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

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

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

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

Nutrients , Volume: 14 Issue: 24 2022 Dec 10

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

Influence of Dietary Inulin on Fecal Microbiota, Cardiometabolic Risk Factors, Eicosanoids, and Oxidative Stress in Rats Fed a High-Fat Diet.

Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 16

Authors Miralles-Pérez B,Nogués MR,Sánchez-Martos V,Fortuño-Mar À,Ramos-Romero S,Torres JL,Ponomarenko J,Amézqueta S,Zhang X,Romeu M

Simulated Digestion and Fermentation In Vitro by Obese Human Gut Microbiota of Sulfuraphane from Broccoli Seeds.

Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 12

Authors Sun Y,Tang Z,Hao T,Qiu Z,Zhang B

Dietary Capsaicin: A Spicy Way to Improve Cardio-Metabolic Health?

Biomolecules , Volume: 12 Issue: 12 2022 Nov 29

Authors Szallasi A

Intake of slow-digesting carbohydrates is related to changes in the microbiome and its functional pathways in growing rats with obesity induced by diet.

Frontiers in nutrition , Volume: 9 2022

Authors Plaza-Díaz J,Manzano M,Ruiz-Ojeda FJ,Giron MD,Salto R,López-Pedrosa JM,Santos-Fandilla A,García-Corcoles MT,Rueda R,Gil Á

Effects of Polyphenols and Glucosinolates in Broccoli Extract on Human Gut Microorganisms Based on Simulation In Vitro.

ACS omega , Volume: 7 Issue: 49 2022 Dec 13

Authors Zhang Y,Jiang C,Huang S,Sun J,Song X,Nishanbaev SZ,Benito MU,Wu Y

Empire Apple (Malus domestica) Juice, Pomace, and Pulp Modulate Intestinal Functionality, Morphology, and Bacterial Populations In Vivo (Gallus gallus).

Nutrients , Volume: 14 Issue: 23 2022 Nov 22

Authors Jackson C,Shukla V,Kolba N,Agarwal N,Padilla-Zakour OI,Tako E

Broccoli seed extract rich in polysaccharides and glucoraphanin ameliorates DSS-induced colitis via intestinal barrier protection and gut microbiota modulation in mice.

Journal of the science of food and agriculture , Volume: 103 Issue: 4 2023 Mar 15

Authors Wu J,Guo W,Cui S,Tang X,Zhang Q,Lu W,Jin Y,Zhao J,Mao B,Chen W

Assessment of the Gut Microbiota during Juice Fasting with and without Inulin Supplementation: A Feasibility Study in Healthy Volunteers.

Foods (Basel, Switzerland) , Volume: 11 Issue: 22 2022 Nov 16

Authors Thriene K,Stanislas V,Amend L,Strowig T,Michels KB

Zeaxanthin Dipalmitate-Enriched Emulsion Stabilized with Whey Protein Isolate-Gum Arabic Maillard Conjugate Improves Gut Microbiota and Inflammation of Colitis Mice.

Foods (Basel, Switzerland) , Volume: 11 Issue: 22 2022 Nov 16

Authors Kan X,Zhou W,Xu W,Dai Z,Yan Y,Mi J,Sun Y,Zeng X,Cao Y,Lu L

Diets enriched with finely ground wheat bran alter digesta passage rate and composition of the gut microbiome in sows.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar

Authors Wang Z,Wang W,Xu S,Ding J,Zeng X,Liu H,Wang F

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

Metabolites , Volume: 12 Issue: 11 2022 Oct 26

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

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

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

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

Molecular actions of different functional oligosaccharides on intestinal integrity, immune function and microbial community in weanling pigs.

Food & function , Volume: 13 Issue: 23 2022 Nov 28

Authors Gao H,Sun F,Lin G,Guo Y,Zhao J

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

Frontiers in nutrition , Volume: 9 2022

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

Potential benefits of metformin and pioglitazone combination therapy via gut microbiota and metabolites in high-fat diet-fed mice.

Frontiers in pharmacology , Volume: 13 2022

Authors Wang D,Liu J,Zhong L,Ding L,Zhang Q,Yu M,Li M,Xiao X

Effect of fruit intake on functional constipation: A systematic review and meta-analysis of randomized and crossover studies.

Frontiers in nutrition , Volume: 9 2022

Authors Huo J,Wu L,Lv J,Cao H,Gao Q

Effects of iron deficiency and iron supplementation at the host-microbiota interface: Could a piglet model unravel complexities of the underlying mechanisms?

Frontiers in nutrition , Volume: 9 2022

Authors Abbas M,Hayirli Z,Drakesmith H,Andrews SC,Lewis MC

Zinc Supplementation Partially Decreases the Harmful Effects of a Cafeteria Diet in Rats but Does Not Prevent Intestinal Dysbiosis.

Nutrients , Volume: 14 Issue: 19 2022 Sep 22

Authors Squizani S,Jantsch J,Rodrigues FDS,Braga MF,Eller S,de Oliveira TF,Silveira AK,Moreira JCF,Giovenardi M,Porowski M,Guedes RP

Oral administration of Lactobacillus plantarum JC7 alleviates OVA-induced murine food allergy through immunoregulation and restoring disordered intestinal microbiota.

European journal of nutrition , Volume: 62 Issue: 2 2023 Mar

Authors Duan C, Ma L, Yu J, Sun Y, Liu L, Ma F, Li X, Li D

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

Oral exposure to Ag or TiO₂ nanoparticles perturbed gut transcriptome and microbiota in a mouse model of ulcerative colitis.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 169 2022 Nov

Authors Wang S, Kang X, Alenius H, Wong SH, Karisola P, El-Nezami H

Comparing the Effects of Concord Grape (Vitis labrusca L.) Puree, Juice, and Pomace on Intestinal Morphology, Functionality, and Bacterial Populations In Vivo (Gallus gallus).

Nutrients , Volume: 14 Issue: 17 2022 Aug 27

Authors Agarwal N, Shukla V, Kolba N, Jackson C, Cheng J, Padilla-Zakour OI, Tako E

Impact of Clarified Apple Juices with Different Processing Methods on Gut Microbiota and Metabolomics of Rats.

Nutrients , Volume: 14 Issue: 17 2022 Aug 25

Authors Xu L, Yang S, Wang K, Lu A, Wang X, Xu Z

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

Gastrointestinal health: changes of intestinal mucosa and microbiota in patients with ulcerative colitis and irritable bowel syndrome from PM(2.5)-polluted regions of Ukraine.

Environmental science and pollution research international , Volume: 30 Issue: 3 2023 Jan

Authors Dorofeyev A, Dorofeyeva A, Borysov A, Tolstanova G, Borisova T

Effect of a diet rich in galactose or fructose, with or without fructooligosaccharides, on gut microbiota composition in rats.

Frontiers in nutrition , Volume: 9 2022

Authors Mhd Omar NA, Dicksved J, Kruger J, Zamaratskaia G, Michaëlsson K, Wolk A, Frank J, Landberg R

Effect of Fructooligosaccharides Supplementation on the Gut Microbiota in Human: A Systematic Review and Meta-Analysis.

Nutrients , Volume: 14 Issue: 16 2022 Aug 12

Authors Dou Y, Yu X, Luo Y, Chen B, Ma D, Zhu J

Regulation of a High-Iron Diet on Lipid Metabolism and Gut Microbiota in Mice.

Animals : an open access journal from MDPI , Volume: 12 Issue: 16 2022 Aug 13

Authors Xiong Q, Zhao J, Tian C, Ma W, Miao L, Liang L, Zhang K, Du H

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

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

Dysregulation of intestinal flora: excess prepackaged soluble fibers damage the mucus layer and induce intestinal inflammation.

Food & function , Volume: 13 Issue: 16 2022 Aug 15

Authors Chen K, Man S, Wang H, Gao C, Li X, Liu L, Wang H, Wang Y, Lu F

Effect of chicory-derived inulin-type fructans on abundance of Bifidobacterium and on bowel function: a systematic review with meta-analyses.

Critical reviews in food science and nutrition , Volume: 63 Issue: 33 2023 Nov

Authors Nagy DU, Sándor-Bajusz KA, Bódy B, Decsi T, Van Harsseelaar J, Theis S, Lohner S

Effects of Oats, Tartary Buckwheat, and Foxtail Millet Supplementation on Lipid Metabolism, Oxidative-Inflammatory Responses, Gut Microbiota, and Colonic SCFA Composition in High-Fat Diet Fed Rats.

Nutrients , Volume: 14 Issue: 13 2022 Jul 4

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

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

Nutrients , Volume: 14 Issue: 13 2022 Jun 30

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

Functional Fiber Reduces Mice Obesity by Regulating Intestinal Microbiota.

Nutrients , Volume: 14 Issue: 13 2022 Jun 28

Authors Zhang M,Liu J,Li C,Gao J,Xu C,Wu X,Xu T,Cui C,Wei H,Peng J,Zheng R

The regulatory effect of fermented black barley on the gut microbiota and metabolic dysbiosis in mice exposed to cigarette smoke.

Food research international (Ottawa, Ont.) , Volume: 157 2022 Jul

Authors Zhong L,Qin L,Ding X,Ma L,Wang Y,Liu M,Chen H,Yan H,Song L

Regulatory Effect of Lactiplantibacillus plantarum 2-33 on Intestinal Microbiota of Mice With Antibiotic-Associated Diarrhea.

Frontiers in nutrition , Volume: 9 2022

Authors Bao W,He Y,Yu J,Liu M,Yang X,Ta N,Zhang E,Liang C

Metformin Influence on the Intestinal Microbiota and Organism of Rats with Metabolic Syndrome.

International journal of molecular sciences , Volume: 23 Issue: 12 2022 Jun 20

Authors Ermolenko E,Simanenkova A,Voropaeva L,Lavrenova N,Kotyleva M,Minasian S,Chernikova A,Timkina N,Gladyshev N,Dmitriev A,Suvorov A,Galagudza M,Karonova T

Interaction between dietary fiber and bifidobacteria in promoting intestinal health.

Food chemistry , Volume: 393 2022 Nov 1

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

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

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

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

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

The Protective Effects of Inulin-Type Fructans Against High-Fat/Sucrose Diet-Induced Gestational Diabetes Mice in Association With Gut Microbiota Regulation.

Frontiers in microbiology , Volume: 13 2022

Authors Miao M,Wang Q,Wang X,Fan C,Luan T,Yan L,Zhang Y,Zeng X,Dai Y,Li P

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

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

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

Genistein Up-Regulates the Expression of EGF and E-Cadherin in the Treatment of Senile Vaginitis.

Molecules (Basel, Switzerland) , Volume: 27 Issue: 8 2022 Apr 7

Authors Sun Y,Wang L,Wang B,Meng Y,Wang 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,Urrialde R,Marcos A

Dietary Supplementation With Fine-Grinding Wheat Bran Improves Lipid Metabolism and Inflammatory Response via Modulating the Gut Microbiota Structure in Pregnant Sow.

Frontiers in microbiology , Volume: 13 2022

Authors Wang Z,Chen Y,Wang W,Huang C,Hu Y,Johnston L,Wang F

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

Green Banana Flour Contributes to Gut Microbiota Recovery and Improves Colonic Barrier Integrity in Mice Following Antibiotic Perturbation.

Frontiers in nutrition , Volume: 9 2022

Authors Li P,Li M,Song Y,Huang X,Wu T,Xu ZZ,Lu H

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

PM(2.5) induced weight loss of mice through altering the intestinal microenvironment: Mucus barrier, gut microbiota, and metabolic profiling.

Journal of hazardous materials , Volume: 431 2022 Jun 5

Authors Dai S,Wang Z,Yang Y,Du P,Li X

[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

[Coated Zinc Oxide Improves Growth Performance of Weaned Piglets via Gut Microbiota.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Sun Y,Ma N,Qi Z,Han M,Ma X

[Mediating effects of gut microbiota in the associations of air pollutants exposure with adverse pregnancy outcomes.](#)

Ecotoxicology and environmental safety , Volume: 234 2022 Apr 1

Authors Gan Q,Ye W,Zhao X,Teng Y,Mei S,Long Y,Ma J,Rehemutula R,Zhang X,Zeng F,Jin H,Liu F,Huang Y,Gao X,Zhu C

[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

[Metformin attenuated sepsis-related liver injury by modulating gut microbiota.](#)

Emerging microbes & infections , Volume: 11 Issue: 1 2022 Dec

Authors Liang H,Song H,Zhang X,Song G,Wang Y,Ding X,Duan X,Li L,Sun T,Kan Q

[Exposure to concentrated ambient PM\(2.5\) \(CAPM\) induces intestinal disturbance via inflammation and alternation of gut microbiome.](#)

Environment international , Volume: 161 2022 Mar

Authors Xie S,Zhang C,Zhao J,Li D,Chen J

[Gallic Acid Alleviates Gut Dysfunction and Boosts Immune and Antioxidant Activities in Puppies Under Environmental Stress Based on Microbiome-Metabolomics Analysis.](#)

Frontiers in immunology , Volume: 12 2021

Authors Yang K,Deng X,Jian S,Zhang M,Wen C,Xin Z,Zhang L,Tong A,Ye S,Liao P,Xiao Z,He S,Zhang F,Deng J,Zhang L,Deng B

[Bifidobacterium animalis subsp. lactis BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Mao K,Gao J,Wang X,Li X,Geng S,Zhang T,Sadiq FA,Sang Y

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

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

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

[Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.](#)

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

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

[Impact of Dietary Zinc Chloride Hydroxide and Zinc Methionine on the Faecal Microbiota of Healthy Adult Horses and Ponies.](#)

Journal of equine veterinary science , Volume: 110 2022 Mar

Authors Paßlack N,van Bömmel-Wegmann S,Vahjen W,Zentek J

[The Prebiotic Effects of Oats on Blood Lipids, Gut Microbiota, and Short-Chain Fatty Acids in Mildly Hypercholesterolemic Subjects Compared With Rice: A Randomized, Controlled Trial.](#)

Frontiers in immunology , Volume: 12 2021

Authors Xu D,Feng M,Chu Y,Wang S,Shete V,Tuohy KM,Liu F,Zhou X,Kamil A,Pan D,Liu H,Yang X,Yang C,Zhu B,Lv N,Xiong Q,Wang X,Sun J,Sun G,Yang Y

[Dietary Quercetin Supplementation Attenuates Diarrhea and Intestinal Damage by Regulating Gut Microbiota in Weanling Piglets.](#)

Oxidative medicine and cellular longevity , Volume: 2021 2021

Authors Xu B, Qin W, Xu Y, Yang W, Chen Y, Huang J, Zhao J, Ma L

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

Effects of Dietary Supplementation With *Bacillus subtilis*, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.

Frontiers in nutrition , Volume: 8 2021

Authors Qiu K, Li CL, Wang J, Qi GH, Gao J, Zhang HJ, Wu SG

The relationship between human milk, a functional nutrient, and microbiota.

Critical reviews in food science and nutrition , 2021 Dec 6

Authors Sakarya E, Sanlier NT, Sanlier N

Fructooligosaccharides Increase in Plasma Concentration of (-)-Epigallocatechin-3-Gallate in Rats.

Journal of agricultural and food chemistry , Volume: 69 Issue: 49 2021 Dec 15

Authors Unno T, Araki Y, Inagaki S, Kobayashi M, Ichitani M, Takihara 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

Effects of Dietary Zinc Sources on Growth Performance and Gut Health of Weaned Piglets.

Frontiers in microbiology , Volume: 12 2021

Authors Diao H, Yan J, Li S, Kuang S, Wei X, Zhou M, Zhang J, Huang C, He P, Tang W

Polydextrose with and without *Bifidobacterium animalis* ssp. *lactis* 420 drives the prevalence of *Akkermansia* and improves liver health in a multi-compartmental obesogenic mice study.

PloS one , Volume: 16 Issue: 12 2021

Authors Yde CC, Jensen HM, Christensen N, Servant F, Lelouvier B, Lahtinen S, Stenman LK, Airaksinen K, Kailanto HM

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

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

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

Lactobacillus plantarum ZJUFB2 Prevents High Fat Diet-Induced Insulin Resistance in Association With Modulation of the Gut Microbiota.

Frontiers in nutrition , Volume: 8 2021

Authors Zhong H, Wang J, Abdullah, Hafeez MA, Guan R, Feng F

Metagenomic Analysis of Intestinal Microbiota in Flavored Rats.

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

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

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 Long-Term and Short-Term Imbalanced Zn Manipulation on Gut Microbiota and Screening for Microbial Markers Sensitive to Zinc Status.

Microbiology spectrum , Volume: 9 Issue: 3 2021 Dec 22

Authors Chen L, Wang Z, Wang P, Yu X, Ding H, Wang Z, Feng J

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

Bifidobacterium catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving

colonization and protection.**Gut microbes** , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Heiss BE,Ehrlich AM,Maldonado-Gomez MX,Taft DH,Larke JA,Goodson ML,Slupsky CM,Tancredi DJ,Raybould HE,Mills DA

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

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

Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.**Microbiology spectrum** , 2021 Oct 6

Authors Liu A,Ma T,Xu N,Jin H,Zhao F,Kwok LY,Zhang H,Zhang S,Sun Z

Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.**Food research international (Ottawa, Ont.)** , Volume: 149 2021 Nov

Authors Marzorati M,Van den Abbeele P,Bubeck S,Bayne T,Krishnan K,Young A

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

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

Metformin acts on the gut-brain axis to ameliorate antipsychotic-induced metabolic dysfunction.**Bioscience trends** , Volume: 15 Issue: 5 2021 Nov 21

Authors Wang X,Huang H,Zhu Y,Li S,Zhang P,Jiang J,Xi C,Wu L,Gao X,Fu Y,Zhang D,Chen Y,Hu S,Lai J

Prebiotic Inulin Supplementation and Peripheral Insulin Sensitivity in adults at Elevated Risk for Type 2 Diabetes: A Pilot Randomized Controlled Trial.**Nutrients** , Volume: 13 Issue: 9 2021 Sep 17

Authors Mitchell CM,Davy BM,Ponder MA,McMillan RP,Hughes MD,Hulver MW,Neilson AP,Davy KP

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

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

Bacillus pumilus and Bacillus subtilis Promote Early Maturation of Cecal Microbiota in Broiler Chickens.**Microorganisms** , Volume: 9 Issue: 9 2021 Sep 7

Authors Bilal M,Achard C,Barbe F,Chevaux E,Ronholm J,Zhao X

Short-Chain Inulin Modulates the Cecal Microbiota Structure of Leptin Knockout Mice in High-Fat Diet.**Frontiers in microbiology** , Volume: 12 2021

Authors Feng Y,Feng J,Wang L,Meng A,Wei S,Cui J,Hu X,Yan L

The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.**Advances in nutrition (Bethesda, Md.)** , 2021 Sep 23

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

Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.**Journal of the science of food and agriculture** , Volume: 102 Issue: 5 2022 Mar 30

Authors Song H,Shen X,Chu Q,Zheng X

Xanthohumol Requires the Intestinal Microbiota to Improve Glucose Metabolism in Diet-Induced Obese Mice.**Molecular nutrition & food research** , Volume: 65 Issue: 21 2021 Nov

Authors Logan IE,Shulzhenko N,Sharpton TJ,Bobe G,Liu K,Nuss S,Jones ML,Miranda CL,Vasquez-Perez S,Pennington JM,Leonard SW,Choi J,Wu W,Gurung M,Kim JP,Lowry MB,Morgun A,Maier CS,Stevens JF,Gombart AF

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

A Novel Sprouted Oat Fermented Beverage: Evaluation of Safety and Health Benefits for Celiac Individuals.

Nutrients , Volume: 13 Issue: 8 2021 Jul 23

Authors Aparicio-García N, Martínez-Villaluenga C, Frias J, Crespo Perez L, Fernández CF, Alba C, Rodríguez JM, Peñas E

Dietary Inulin Regulated Gut Microbiota and Improved Neonatal Health in a Pregnant Sow Model.

Frontiers in nutrition , Volume: 8 2021

Authors Li H, Ma L, Zhang L, Liu N, Li Z, Zhang F, Liu X, Ma X

Regulatory effects of *Lactobacillus* fermented black barley on intestinal microbiota of NAFLD rats.

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

Authors Zhu C, Guan Q, Song C, Zhong L, Ding X, Zeng H, Nie P, Song L

Broccoli Florets Supplementation Improves Insulin Sensitivity and Alters Gut Microbiome Population-A Steatosis Mice Model Induced by High-Fat Diet.

Frontiers in nutrition , Volume: 8 2021

Authors Zandani G, Anavi-Cohen S, Tsybina-Shimshilashvili N, Sela N, Nyska A, Madar Z

Metformin alleviates choline diet-induced TMAO elevation in C57BL/6J mice by influencing gut-microbiota composition and functionality.

Nutrition & diabetes , Volume: 11 Issue: 1 2021 Jul 31

Authors Su C, Li X, Yang Y, Du Y, Zhang X, Wang L, Hong B

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

Frontiers in nutrition , Volume: 8 2021

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

Effects of Short-Term Dietary Fiber Intervention on Gut Microbiota in Young Healthy People.

Diabetes, metabolic syndrome and obesity : targets and therapy , Volume: 14 2021

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

Dose-response and functional role of whey permeate as a source of lactose and milk oligosaccharides on intestinal health and growth of nursery pigs.

Journal of animal science , Volume: 99 Issue: 1 2021 Jan 1

Authors Jang KB, Purvis JM, Kim SW

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

Frontiers in immunology , Volume: 12 2021

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

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn`s disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 8 2021 Jun 23

Authors Hedin CR, McCarthy NE, Louis P, Farquharson FM, McCartney S, Stagg AJ, Lindsay JO, Whelan K

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

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

Metformin intervention ameliorates AS in ApoE^{-/-} mice through restoring gut dysbiosis and anti-inflammation.

PloS one , Volume: 16 Issue: 7 2021

Authors Yan N, Wang L, Li Y, Wang T, Yang L, Yan R, Wang H, Jia S

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

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

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

The Effect of A Whey-Protein and Galacto-Oligosaccharides Based Product on Parameters of Sleep Quality, Stress, and Gut Microbiota in Apparently Healthy Adults with Moderate Sleep Disturbances: A Randomized Controlled Cross-Over Study.

Nutrients , Volume: 13 Issue: 7 2021 Jun 27

Authors Schaafsma A,Mallee L,van den Belt M,Floris E,Kortman G,Veldman J,van den Ende D,Kardinaal A

Green banana flour supplementation improves obesity-associated systemic inflammation and regulates gut microbiota profile in mice fed high-fat diets.

Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme , Volume: 46 Issue: 12 2021 Dec

Authors Rosado CP,Rosa VHC,Martins BC,Soares AC,Almo A,Monteiro EB,Mulder ADRP,Moura-Nunes N,Daleprane JB

Imbalanced dietary intake alters the colonic microbial profile in growing rats.

PloS one , Volume: 16 Issue: 6 2021

Authors Jung TH,Han KS

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

Zinc hydroxychloride supplementation improves tibia bone development and intestinal health of broiler chickens.

Poultry science , Volume: 100 Issue: 8 2021 Aug

Authors Nguyen HTT,Morgan N,Roberts JR,Wu SB,Swick RA,Toghyani M

Genistein Inhibits Colonic Goblet Cell Loss and Colorectal Inflammation Induced by Salmonella Typhimurium Infection.

Molecular nutrition & food research , Volume: 65 Issue: 16 2021 Aug

Authors He Y,Ayansola H,Hou Q,Liao C,Lei J,Lai Y,Jiang Q,Masatoshi H,Zhang B

Lactic acid production ability of Lactobacillus sp. from four tropical fruits using their by-products as carbon source.

Heliyon , Volume: 7 Issue: 5 2021 May

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

Gut Microbial SNPs Induced by High-Fiber Diet Dominate Nutrition Metabolism and Environmental Adaption of Faecalibacterium prausnitzii in Obese Children.

Frontiers in microbiology , Volume: 12 2021

Authors Li H,Zhao L,Zhang M

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

The effect of dietary fiber (oat bran) supplement on blood pressure in patients with essential hypertension: A randomized controlled trial.

Nutrition, metabolism, and cardiovascular diseases : NMCD , 2021 Apr 28

Authors Xue Y,Cui L,Qi J,Qjo O,Du X,Liu Y,Wang X

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

Bifidobacterium response to lactulose ingestion in the gut relies on a solute-binding protein-dependent ABC transporter.

Communications biology , Volume: 4 Issue: 1 2021 May 10

Authors Yoshida K,Hirano R,Sakai Y,Choi M,Sakanaka M,Kurihara S,Iino H,Xiao JZ,Katayama T,Odumaki T

Dietary broccoli improves markers associated with glucose and lipid metabolism through modulation of gut microbiota in mice.

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

Authors Zandani G,Kaftori-Sandler N,Sela N,Nyska A,Madar Z

Lactobacillus Sps in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.

Biology , Volume: 10 Issue: 4 2021 Apr 20

Authors Gulnaz A,Nadeem J,Han JH,Lew LC,Son JD,Park YH,Rather IA,Hor YY

Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice.

Nutrients , Volume: 13 Issue: 5 2021 Apr 24

Authors Neyrinck AM,Sánchez CR,Rodríguez J,Cani PD,Bindels LB,Delzenne NM

Effects of Bifidobacterium animalis ssp. lactis 420 on gastrointestinal inflammation induced by a non-steroidal anti-inflammatory drug: a randomized, placebo-controlled, double-blind clinical trial.

British journal of clinical pharmacology , 2021 Apr 27

Authors Mäkelä SM,Forssten SD,Kailajärvi M,Langén VL,Scheinin M,Tiihonen K,Ouwehand AC

Gut modulation based anti-diabetic effects of carboxymethylated wheat bran dietary fiber in high-fat diet/streptozotocin-induced diabetic mice and their potential mechanisms.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 152 2021 Jun

Authors Li XX,Zhang XX,Zhang R,Ni ZJ,Elam E,Thakur K,Céspedes-Acuña CL,Zhang JG,Wei ZJ

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

Glycine regulates mucosal immunity and the intestinal microbial composition in weaned piglets.

Amino acids , 2021 Apr 11

Authors Ji Y,Fan X,Zhang Y,Li J,Dai Z,Wu Z

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

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

Ecotoxicology and environmental safety , Volume: 215 2021 Jun 1

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

Developmental exposure to silver nanoparticles leads to long term gut dysbiosis and neurobehavioral alterations.

Scientific reports , Volume: 11 Issue: 1 2021 Mar 22

Authors Lyu Z,Ghoshdastidar S,Rekha KR,Suresh D,Mao J,Bivens N,Kannan R,Joshi T,Rosenfeld CS,Upendran A

Direct impact of commonly used dietary emulsifiers on human gut microbiota.

Microbiome , Volume: 9 Issue: 1 2021 Mar 22

Authors Naimi S,Viennois E,Gewirtz AT,Chassaing B

Maternal Emulsifier P80 Intake Induces Gut Dysbiosis in Offspring and Increases Their Susceptibility to Colitis in Adulthood.

mSystems , Volume: 6 Issue: 2 2021 Mar 16

Authors Jin G,Tang Q,Ma J,Liu X,Zhou B,Sun Y,Pang X,Guo Z,Xie R,Liu T,Wang B,Cao H

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

mSystems , Volume: 6 Issue: 2 2021 Mar 16

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

Effect of Blueberry Anthocyanin-Rich Extracts on Peripheral and Hippocampal Antioxidant Defensiveness: The Analysis of

the Serum Fatty Acid Species and Gut Microbiota Profile.**Journal of agricultural and food chemistry** , Volume: 69 Issue: 12 2021 Mar 31

Authors Si X,Bi J,Chen Q,Cui H,Bao Y,Tian J,Shu C,Wang Y,Tan H,Zhang W,Chen Y,Li B

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

Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice.**mSystems** , Volume: 6 Issue: 1 2021 Feb 23

Authors Shi Z,Lei H,Chen G,Yuan P,Cao Z,Ser HL,Zhu X,Wu F,Liu C,Dong M,Song Y,Guo Y,Chen C,Hu K,Zhu Y,Zeng XA,Zhou J,Lu Y,Patterson AD,Zhang L

Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.**Frontiers in bioengineering and biotechnology** , Volume: 9 2021

Authors Fu J,Wang Y,Tan S,Wang J

Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial.**European journal of nutrition** , Volume: 60 Issue: 6 2021 Sep

Authors Neyrinck AM,Rodríguez J,Zhang Z,Seethaler B,Sánchez CR,Roumain M,Hiel S,Bindels LB,Cani PD,Paquot N,Cnop M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM

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

Effect of probiotic Lactobacillus plantarum Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults.**World journal of gastroenterology** , Volume: 27 Issue: 1 2021 Jan 7

Authors Rahayu ES,Mariyatun M,Putri Manurung NE,Hasan PN,Therdatha P,Mishima R,Komalasari H,Mahfuzah NA,Pamungkaningtyas FH,Yoga WK,Nurfiana DA,Liwan SY,Juffrie M,Nugroho AE,Utami T

Use of Shotgun Metagenomics and Metabolomics to Evaluate the Impact of Glyphosate or Roundup MON 52276 on the Gut Microbiota and Serum Metabolome of Sprague-Dawley Rats.**Environmental health perspectives** , Volume: 129 Issue: 1 2021 Jan

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

Effect of dietary inclusion of dried apple pomace on faecal butyrate concentration and modulation of gut microbiota in dogs.**Archives of animal nutrition** , Volume: 75 Issue: 1 2021 Feb

Authors de Brito CBM,Menezes Souza CM,Bastos TS,Mesa D,Oliveira SG,Félix AP

Pharmacological Therapy Determines the Gut Microbiota Modulation by a Pomegranate Extract Nutraceutical in Metabolic Syndrome: A Randomized Clinical Trial.**Molecular nutrition & food research** , Volume: 65 Issue: 6 2021 Mar

Authors Cortés-Martín A,Iglesias-Aguirre CE,Meoro A,Selma MV,Espín JC

California strawberry consumption increased the abundance of gut microorganisms related to lean body weight, health and longevity in healthy subjects.**Nutrition research (New York, N.Y.)** , Volume: 85 2021 Jan

Authors Ezzat-Zadeh Z,Henning SM,Yang J,Woo SL, Lee RP,Huang J,Thames G,Gilbuena I,Tseng CH,Heber D,Li Z

Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (Gallus gallus): A Systematic Review.**Nutrients** , Volume: 13 Issue: 1 2021 Jan 9

Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E

Inulin ameliorates schizophrenia via modulation of the gut microbiota and anti-inflammation in mice.

Food & function , Volume: 12 Issue: 3 2021 Feb 15

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

Intratracheally instilled diesel PM(2.5) significantly altered the structure and composition of indigenous murine gut microbiota.

Ecotoxicology and environmental safety , Volume: 210 2021 Mar 1

Authors Liu Y,Wang T,Si B,Du H,Liu Y,Waqas A,Huang S,Zhao G,Chen S,Xu A

Dietary Inulin Supplementation Modulates Short-Chain Fatty Acid Levels and Cecum Microbiota Composition and Function in Chickens Infected With Salmonella.

Frontiers in microbiology , Volume: 11 2020

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

Combined Lycium barbarum polysaccharides and C-phycocyanin increase gastric Bifidobacterium relative abundance and protect against gastric ulcer caused by aspirin in rats.

Nutrition & metabolism , Volume: 18 Issue: 1 2021 Jan 6

Authors Hsieh SY,Lian YZ,Lin IH,Yang YC,Tinkov AA,Skalny AV,Chao JC

Lactulose ingestion causes an increase in the abundance of gut-resident bifidobacteria in Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

Beneficial microbes , 2021 Jan 4

Authors Sakai Y,Hamano H,Ochi H,Abe F,Masuda K,Iino H

Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M²-Nuclear Factor- κ B-Nod-Like Receptor Protein 3 Pathway via gut-Liver Axis in Mice.

Frontiers in pharmacology , Volume: 11 2020

Authors Bao T,He F,Zhang X,Zhu L,Wang Z,Lu H,Wang T,Li Y,Yang S,Wang H

Selective Utilization of the Human Milk Oligosaccharides 2'-Fucosyllactose, 3-Fucosyllactose, and Difucosyllactose by Various Probiotic and Pathogenic Bacteria.

Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13

Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Angenius H,Maukonen J

Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Long-Chain Inulin Intake.

Molecular nutrition & food research , Volume: 65 Issue: 4 2021 Feb

Authors Kiewiet MBG,Elderman ME,El Aidy S,Burgerhof JGM,Visser H,Vaughan EE,Faas MM,de Vos P

Evaluation of the gut microbiota after metformin intervention in children with obesity: A metagenomic study of a randomized controlled trial.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 134 2020 Dec 24

Authors Pastor-Villaescusa B,Plaza-Díaz J,Egea-Zorrilla A,Leis R,Bueno G,Hoyos R,Vázquez-Cobela R,Latorre M,Cañete MD,Caballero-Villarraso J,Gil Á,Cañete R,Aguilera CM

Exopolysaccharides from Lactobacillus plantarum YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.

Acta biochimica Polonica , Volume: 67 Issue: 4 2020 Dec 17

Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y

Lycium barbarum polysaccharide attenuates myocardial injury in high-fat diet-fed mice through manipulating the gut microbiome and fecal metabolome.

Food research international (Ottawa, Ont.) , Volume: 138 Issue: Pt B 2020 Dec

Authors Zhang Z,Liu H,Yu B,Tao H,Li J,Wu Z,Liu G,Yuan C,Guo L,Cui B

Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.

European journal of nutrition , 2020 Nov 22

Authors Xu H,Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H

Lactobacillus plantarum relieves diarrhea caused by enterotoxin-producing Escherichia coli through inflammation modulation and gut microbiota regulation.

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

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

The Impact of Air Pollution on Intestinal Microbiome of Asthmatic Children: A Panel Study.

BioMed research international , Volume: 2020 2020

Authors Zheng P,Zhang B,Zhang K,Lv X,Wang Q,Bai X

The Impact of Air Pollution on Intestinal Microbiome of Asthmatic Children: A Panel Study.

BioMed research international , Volume: 2020 2020

Authors Zheng P,Zhang B,Zhang K,Lv X,Wang Q,Bai X

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

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

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

Effects of Different Human Milk Oligosaccharides on Growth of *Bifidobacteria* in Monoculture and Co-culture With *Faecalibacterium prausnitzii*.

Frontiers in microbiology , Volume: 11 2020

Authors Cheng L,Kieviet MBG,Logtenberg MJ,Groeneveld A,Nauta A,Schols HA,Walvoort MTC,Harmsen HJM,de Vos P

Dynamic gut microbiome changes to low-iron challenge.

Applied and environmental microbiology , 2020 Nov 13

Authors Coe GL,Pinkham NV,Celis AI,Johnson C,DuBois JL,Walk ST

Alginate- and Gelatin-Coated Apple Pieces as Carriers for *Bifidobacterium animalis* subsp. *lactis* DSM 10140.

Frontiers in microbiology , Volume: 11 2020

Authors Campaniello D,Bevilacqua A,Speranza B,Sinigaglia M,Corbo MR

Enterococcus faecium R0026 combined with *Bacillus subtilis* R0179 prevent obesity-associated hyperlipidaemia and modulate gut microbiota in C57BL/6 mice.

Journal of microbiology and biotechnology , 2020 Oct 20

Authors Huang J,Huang J,Yin T,Lv H,Zhang P,Li H

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

Goat Milk Oligosaccharides: Their Diversity, Quantity, and Functional Properties in Comparison to Human Milk Oligosaccharides.

Journal of agricultural and food chemistry , Volume: 68 Issue: 47 2020 Nov 25

Authors van Leeuwen SS,Te Poele EM,Chatziioannou AC,Benjamins E,Haandrikman A,Dijkhuizen L

Coadministration of metformin prevents olanzapine-induced metabolic dysfunction and regulates the gut-liver axis in rats.

Psychopharmacology , Volume: 238 Issue: 1 2021 Jan

Authors Luo C,Wang X,Huang HX,Mao XY,Zhou HH,Liu ZQ

Effects of Non-insulin Anti-hyperglycemic Agents on Gut Microbiota: A Systematic Review on Human and Animal Studies.

Frontiers in endocrinology , Volume: 11 2020

Authors Cao TTB,Wu KC,Hsu JL,Chang CS,Chou C,Lin CY,Liao YM,Lin PC,Yang LY,Lin HW

Oat bran and wheat bran impact net energy by shaping microbial communities and fermentation products in pigs fed diets with or without xylanase.

Journal of animal science and biotechnology , Volume: 11 2020

Authors Lyu Z,Wang L,Wang J,Wang Z,Zhang S,Wang J,Cheng J,Lai C

Dietary 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

Relative abundance of the *Prevotella* genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.

BMC microbiology , Volume: 20 Issue: 1 2020 Sep 14

Authors Chung WSF,Walker AW,Bosscher D,Garcia-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ

Akkermansia muciniphila uses human milk oligosaccharides to thrive in the early life conditions in vitro.

Scientific reports , Volume: 10 Issue: 1 2020 Aug 31

Authors Kostopoulos I,Elzinga J,Ottman N,Klievink JT,Blijenberg B,Aalvink S,Boeren S,Mank M,Knol J,de Vos WM,Belzer C

The Effects of Dietary Glycine on the Acetic Acid-Induced Mouse Model of Colitis.

Mediators of inflammation , Volume: 2020 2020

Authors Wu X,Zheng Y,Ma J,Yin J,Chen S

A novel inulin-type fructan from *Asparagus cochinchinensis* and its beneficial impact on human intestinal microbiota.

Carbohydrate polymers , Volume: 247 2020 Nov 1

Authors Sun Q,Zhu L,Li Y,Cui Y,Jiang S,Tao N,Chen H,Zhao Z,Xu J,Dong C

Contributions of *Lactobacillus plantarum* PC170 administration on the recovery of gut microbiota after short-term ceftriaxone exposure in mice.

Beneficial microbes , Volume: 11 Issue: 5 2020 Sep 1

Authors Cheng R,Liang H,Zhang Y,Guo J,Miao Z,Shen X,Chen G,Cheng G,Li M,He F

Impacts of Habitual Diets Intake on Gut Microbial Counts in Healthy Japanese Adults.

Nutrients , Volume: 12 Issue: 8 2020 Aug 12

Authors Sugimoto T,Shima T,Amamoto R,Kaga C,Kado Y,Watanabe O,Shiinoki J,Iwazaki K,Shigemura H,Tsuji H,Matsumoto S

Lactobacillus plantarum PS128 Improves Physiological Adaptation and Performance in Triathletes through Gut Microbiota

Modulation.**Nutrients** , Volume: 12 Issue: 8 2020 Aug 1

Authors Huang WC,Pan CH,Wei CC,Huang HY

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 particle size of insoluble fibre on growth performance, apparent ileal digestibility and caecal microbial population in broiler chickens fed barley-containing diets.**British poultry science** , Volume: 61 Issue: 6 2020 Dec

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

Effects of banana powder (Musa acuminata Colla) on the composition of human fecal microbiota and metabolic output using in vitro fermentation.**Journal of food science** , Volume: 85 Issue: 8 2020 Aug

Authors Tian DD,Xu XQ,Peng Q,Zhang YW,Zhang PB,Qiao Y,Shi B

Effect of banana pulp dietary fibers on metabolic syndrome and gut microbiota diversity in high-fat diet mice.**Journal of food biochemistry** , 2020 Jul 14

Authors Wei G,Ye Y,Yan X,Chao X,Yang F,Wang M,Zhang W,Yuan C,Zeng Q

Anti-Obesity Effect of Lactobacillus plantarum LB818 Is Associated with Regulation of Gut Microbiota in High-Fat Diet-Fed Obese Mice.**Journal of medicinal food** , Volume: 23 Issue: 7 2020 Jul

Authors Hussain A,Kwon MH,Kim HK,Lee HS,Cho JS,Lee YI

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

Foodborne Titanium Dioxide Nanoparticles Induce Stronger Adverse Effects in Obese Mice than Non-Obese Mice: Gut Microbiota Dysbiosis, Colonic Inflammation, and Proteome Alterations.**Small (Weinheim an der Bergstrasse, Germany)** , Volume: 16 Issue: 36 2020 Sep

Authors Cao X,Han Y,Gu M,Du H,Song M,Zhu X,Ma G,Pan C,Wang W,Zhao E,Goulette T,Yuan B,Zhang G,Xiao H

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

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

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPARα signal pathway and gut microbiota.**Applied microbiology and biotechnology** , Volume: 104 Issue: 13 2020 Jul

Authors Cai H,Wen Z,Li X,Meng K,Yang P

5-Heptadecylresorcinol, a Biomarker for Whole Grain Rye Consumption, Ameliorates Cognitive Impairments and Neuroinflammation in APP/PS1 Transgenic Mice.**Molecular nutrition & food research** , Volume: 64 Issue: 11 2020 Jun

Authors Liu J,Wang Y,Wang Z,Hao Y,Bai W,Wang Z,Wang J

The Effect of Whey on Performance, Gut Health and Bone Morphology Parameters in Broiler Chicks.**Foods (Basel, Switzerland) , Volume: 9 Issue: 5 2020 May 5****Authors** Tsiouris V,Kontominas MG,Filioussis G,Chalvatzi S,Giannenas I,Papadopoulos G,Koutoulis K,Fortomaris P,Georgopoulou IThe 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 SPreventive 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 TLactobacillus 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 SEffect of chicory inulin-type fructan-containing snack bars on the human gut microbiota in low dietary fiber consumers in a randomized crossover trial.**The American journal of clinical nutrition , Volume: 111 Issue: 6 2020 Jun 1****Authors** Reimer RA,Soto-Vaca A,Nicolucci AC,Mayengbam S,Park H,Madsen KL,Menon R,Vaughan EECultivation of the Next-Generation Probiotic Akkermansia muciniphila, Methods of Its Safe Delivery to the Intestine, and Factors Contributing to Its Growth In Vivo.**Current microbiology , Volume: 77 Issue: 8 2020 Aug****Authors** Ropot AV,Karamzin AM,Sergeyev OVConsumption 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 XModulation 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 HRegulatory effects of Lactobacillus plantarum HY7714 on skin health by improving intestinal condition.**PloS one , Volume: 15 Issue: 4 2020****Authors** Nam B,Kim SA,Park SD,Kim HJ,Kim JS,Bae CH,Kim JY,Nam W,Lee JL,Sim JH2`-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 HPork 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 CGrape 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 WMaternal 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 HEffects 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 JRandomised clinical trial: effect of low-FODMAP rye bread versus regular rye bread on the intestinal microbiota of irritable bowel syndrome patients: association with individual symptom variation.**BMC nutrition , Volume: 5 2019****Authors** Laatikainen R,Jalanka J,Loponen J,Hongisto SM,Hillilä M,Koskenpato J,Korpela R,Salonen AAir pollution exposure is associated with the gut microbiome as revealed by shotgun metagenomic sequencing.**Environment international , Volume: 138 2020 May****Authors** Fouladi F,Bailey MJ,Patterson WB,Sioda M,Blakley IC,Fodor AA,Jones RB,Chen Z,Kim JS,Lurmann F,Martino C,Knight R,Gilliland FD,Alderete TL

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

Ecotoxicology and environmental safety , Volume: 193 2020 Apr 15

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

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.

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

Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B

Effects of whole-grain wheat, rye, and lignan supplementation on cardiometabolic risk factors in men with metabolic syndrome: a randomized crossover trial.

The American journal of clinical nutrition , Volume: 111 Issue: 4 2020 Apr 1

Authors Eriksen AK,Brunius C,Mazidi M,Hellström PM,Risérus U,Iversen KN,Fristedt R,Sun L,Huang Y,Nørskov NP,Knudsen KEB,Kyrø C,Olsen A,Tjønneland A,Dicksved J,Landberg R

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

Veterinary world , Volume: 12 Issue: 12 2019 Dec

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

Altered microbial community structure and metabolism in cow's milk allergic mice treated with oral immunotherapy and fructo-oligosaccharides.

Beneficial microbes , Volume: 11 Issue: 1 2020 Feb 19

Authors Vonk MM,Engen PA,Naqib A,Green SJ,Keshavarzian A,Blokhuis BRJ,Garssen J,Knippels LMJ,van Esch BCAM

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

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

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

Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice.

Scientific reports , Volume: 10 Issue: 1 2020 Feb 10

Authors Rodríguez-Daza MC,Daoust L,Boutkrabt L,Pilon G,Varin T,Dudonné S,Levy É,Marette A,Roy D,Desjardins Y

Anti-obesity effects of α-amylase inhibitor enriched-extract from white common beans (*Phaseolus vulgaris* L.) associated with the modulation of gut microbiota composition in high-fat diet-induced obese rats.

Food & function , Volume: 11 Issue: 2 2020 Feb 26

Authors Shi Z,Zhu Y,Teng C,Yao Y,Ren G,Richel A

Study on the Effect of Capsaicin on the Intestinal Flora through High-Throughput Sequencing.

ACS omega , Volume: 5 Issue: 2 2020 Jan 21

Authors Wang F,Huang X,Chen Y,Zhang D,Chen D,Chen L,Lin J

Effect of wheat bran derived prebiotic supplementation on gastrointestinal transit, gut microbiota, and metabolic health: a randomized controlled trial in healthy adults with a slow gut transit.

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

Authors Müller M,Hermes GDA,Emanuel E C,Holst JJ,Zoetendal EG,Smidt H,Troost F,Schaap FG,Damink SO,Jocken JWE,Lenaerts K,Masclee AAM,Blaak EE

Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.

Nutrients , Volume: 12 Issue: 1 2020 Jan 17

Authors Aljahdali N,Gadonna-Widehem P,Anton PM,Carbonero F

In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.

Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb

Authors Henrique-Bana FC,Wang X,Costa GN,Spinosa WA,Miglioranza LHS,Scorletti E,Calder PC,Byrne CD,Gibson GR

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

Effects of High-Dose Genistein on the Hypothalamic RNA Profile and Intestinal Health of Female Chicks.

Journal of agricultural and food chemistry , Volume: 67 Issue: 49 2019 Dec 11

Authors Lv Z,Hu C,Jiang J,Jin S,Wei Q,Wei X,Yu D,Shi 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

Improvements in Metabolic Syndrome by Xanthohumol Derivatives Are Linked to Altered Gut Microbiota and Bile Acid Metabolism.

Molecular nutrition & food research , Volume: 64 Issue: 1 2020 Jan

Authors Zhang Y,Bobe G,Revel JS,Rodrigues RR,Sharpton TJ,Fantacone ML,Raslan K,Miranda CL,Lowry MB,Blakemore PR,Morgun A,Shulzhenko N,Maier CS,Stevens JF,Gombart AF

Structural Analysis of Gluco-Oligosaccharides Produced by *Leuconostoc lactis* and Their Prebiotic Effect.**Molecules (Basel, Switzerland) , Volume: 24 Issue: 21 2019 Nov 5**

Authors Lee S, Park J, Jang JK, Lee BH, Park YS

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.**European journal of nutrition , 2019 Oct 11**

Authors Hess AL, Benítez-Páez A, Blädel T, Larsen LH, Iglesias JR, Madera C, Sanz Y, Larsen TM, MyNewGut Consortium.

Intestinal microbiome analysis demonstrates azithromycin post-treatment effects improve when combined with lactulose.**World journal of pediatrics : WJP , Volume: 16 Issue: 2 2020 Apr**

Authors Nikolaou E, Kamilari E, Savkov D, Sergeev A, Zakharova I, Vogazianos P, Tomazou M, Antoniadis A, 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 Carpiá F, Wojczyk BS, Annajhala 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 PectinOligosaccharides 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

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

Paneth Cell Dysfunction Mediates Alcohol-related Steatohepatitis Through Promoting Bacterial Translocation in Mice: Role of Zinc Deficiency.**Hepatology (Baltimore, Md.) , Volume: 71 Issue: 5 2020 May**

Authors Zhong W, Wei X, Hao L, Lin TD, Yue R, Sun X, Guo W, Dong H, Li T, Ahmadi AR, Sun Z, Zhang Q, Zhao J, Zhou Z

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 Long-Term Intake of Dietary Titanium Dioxide Nanoparticles on Intestine Inflammation in Mice.**Journal of agricultural and food chemistry , Volume: 67 Issue: 33 2019 Aug 21**

Authors Mu W, Wang Y, Huang C, Fu Y, Li J, Wang H, Jia X, Ba Q

Dietary Factors and Modulation of Bacteria Strains of *Akkermansia muciniphila* and *Faecalibacterium prausnitzii*: A Systematic Review.**Nutrients , Volume: 11 Issue: 7 2019 Jul 11**

Authors Verhoog S, Taneri PE, Roa Díaz ZM, Marques-Vidal P, Troup JP, Bally L, Franco OH, Glisic M, Muka T

Daily intake of wheat germ-enriched bread may promote a healthy gut bacterial microbiota: a randomised controlled trial.**European journal of nutrition , Volume: 59 Issue: 5 2020 Aug**

Authors Moreira-Rosário A, Marques C, Pinheiro H, Norberto S, Sintra D, Teixeira JA, Calhau C, Azevedo LF

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

The effects of dietary supplementation with porous zinc oxide on growth performance, intestinal microbiota, morphology, and permeability in weaned piglets.**Animal science journal = Nihon chikusan Gakkaiho , 2019 Jul 4**

Authors Peng P, Chen J, Yao K, Yin Y, Long L, Fang R

Dietary supplementation with probiotics regulates gut microbiota structure and function in Nile tilapia exposed to aluminum.**PeerJ , Volume: 7 2019**

Authors Yu L, Qiao N, Li T, Yu R, Zhai Q, Tian F, Zhao J, Zhang H, Chen W

Effects of a formula with a probiotic *Bifidobacterium lactis* Supplement on the gut microbiota of low birth weight infants.**European journal of nutrition , Volume: 59 Issue: 4 2020 Jun**

Authors Chi C, Xue Y, Liu R, Wang Y, Lv N, Zeng H, Buys N, Zhu B, Sun J, Yin C

Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting

[gut inflammation through regulation of the endocannabinoid system.](#)

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

[Effects of Different Diets on Microbiota in The Small Intestine Mucus and Weight Regulation in Rats.](#)

Scientific reports , Volume: 9 Issue: 1 2019 Jun 11

Authors Meng Y,Li X,Zhang J,Wang C,Lu F

[Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in *Citrobacter rodentium*-Infected Mice.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

[Effects of a Lactulose-Rich Diet on Fecal Microbiome and Metabolome in Pregnant Mice.](#)

Journal of agricultural and food chemistry , Volume: 67 Issue: 27 2019 Jul 10

Authors Zhang Z,Chen X,Zhao J,Tian C,Wei X,Li H,Lin W,Jiang A,Feng R,Yuan J,Zhao X

[Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.](#)

Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10

Authors Sakai Y,Seki N,Hamano K,Ochi H,Abe F,Masuda K,Iino H

[Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.](#)

Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10

Authors Sakai Y,Seki N,Hamano K,Ochi H,Abe F,Masuda K,Iino H

[The role of short-chain fatty acids in microbiota-gut-brain communication.](#)

Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug

Authors Dalile B, Van Oudenhove L, Vervliet B, Verbeke K

[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, Rodriguez J, Cani PD, Neyrinck AM, Thissen JP, Luminet O, Bindelle J, Delzenne NM

[A study of the prebiotic effect of lactulose at low dosages in healthy Japanese women.](#)

Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019

Authors Sakai Y,Seki N,Hamano H,Ochi H,Abe F,Shimizu F,Masuda K,Iino H

[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, Welscher A, Barton J, Thiery P, Kiarie E

[Akkermansia muciniphila is a promising probiotic.](#)

Microbial biotechnology , 2019 Apr 21

Authors Zhang T, Li Q, Cheng L, Buch H, Zhang F

[The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.](#)

Frontiers in nutrition , Volume: 6 2019

Authors Jefferson A, Adolphus K

[Apple consumption is associated with a distinctive microbiota, proteomics and metabolomics profile in the gut of Dawley Sprague rats fed a high-fat diet.](#)

PloS one , Volume: 14 Issue: 3 2019

Authors Garcia-Mazcorro JF, Pedreschi R, Yuan J, Kawas JR, Chew B, Dowd SE, Noratto G

[Targeting the Gut Microbiota to Investigate the Mechanism of Lactulose in Negating the Effects of a High-Salt Diet on Hypertension.](#)

Molecular nutrition & food research , Volume: 63 Issue: 11 2019 Jun

Authors Zhang Z, Zhao J, Tian C, Chen X, Li H, Wei X, Lin W, Zheng N, Jiang A, Feng R, Yuan J, Zhao X

[Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.](#)

Journal of agricultural and food chemistry , Volume: 67 Issue: 33 2019 Aug 21

Authors Han Y, Song M, Gu M, Ren D, Zhu X, Cao X, Li F, Wang W, Cai X, Yuan B, Goulette T, Zhang G, Xiao H

Dietary supplementation with strawberry induces marked changes in the composition and functional potential of the gut microbiome in diabetic mice.

The Journal of nutritional biochemistry , Volume: 66 2019 Apr

Authors Petersen C,Wankhade UD,Bharat D,Wong K,Mueller JE,Chintapalli SV,Piccolo BD,Jalili TJ,Symons JD,Shankar K,Anandh Babu PV

Metformin and gut microbiota: their interactions and their impact on diabetes.

Hormones (Athens, Greece) , 2019 Feb 4

Authors Vallianou NG,Stratigou T,Tsagarakis S

Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.

PeerJ , Volume: 7 2019

Authors De Paepe K,Verspreet J,Rezaei MN,Hidalgo Martinez S,Meysman F,Van de Walle D,Dewettinck K,Raes J,Courtin C,Van de Wiele T

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

Dark chocolate as a stable carrier of microencapsulated Akkermansia muciniphila and Lactobacillus casei.

FEMS microbiology letters , Volume: 366 Issue: 2 2019 Jan 1

Authors Marcial-Coba MS,Saaby L,Knøchel S,Nielsen DS

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

Strategies to promote abundance of <i>Akkermansia muciniphila</i>, an emerging probiotics in the gut, evidence from dietary intervention studies.

Journal of functional foods , Volume: 33 2017 Jun

Authors Zhou K

Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development.

Anaerobe , Volume: 55 2019 Feb

Authors Velikonja A,Lipoglavšek L,Zorec M,Orel R,Avguštin G

A next generation probiotic, Akkermansia muciniphila.

Critical reviews in food science and nutrition , 2018 Oct 29

Authors Zhai Q,Feng S,Arjan N,Chen W

Effect of Bacillus subtilis C-3102 on bone mineral density in healthy postmenopausal Japanese women: a randomized, placebo-controlled, double-blind clinical trial.

Bioscience of microbiota, food and health , Volume: 37 Issue: 4 2018

Authors Takimoto T,Hatanaka M,Hoshino T,Takara T,Tanaka K,Shimizu A,Morita H,Nakamura T

Simultaneous Supplementation of <i>Bacillus subtilis</i> and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

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

Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased <i>Akkermansia muciniphila</i> Population Modulated by Dietary Black Raspberries.

ACS omega , Volume: 3 Issue: 9 2018 Sep 30

Authors Tu P,Bian X,Chi L,Gao B,Ru H,Knobloch TJ,Weghorst CM,Lu K

The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease.

The Journal of pharmacology and experimental therapeutics , Volume: 367 Issue: 3 2018 Dec

Authors Lau WL,Vaziri ND,Nunes ACF,Comeau AM,Langille MG,England W,Khazaeli M,Suematsu Y,Phan J,Whiteson K

Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.

Molecular nutrition & food research , Volume: 62 Issue: 22 2018 Nov

Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ

Probiotic <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

Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.

Environmental microbiology , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM, Van de Wiele T

Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Mayta-Apaza AC,Pottgen E,De Bodd J,Papp N,Marasini D,Howard L,Abranko L, Van de Wiele T, Lee SQ, Carbonero F

Lactobacillus plantarum LC27 and Bifidobacterium longum LC67 mitigate alcoholic steatosis in mice by inhibiting LPS-mediated NF- κ B activation through restoration of the disturbed gut microbiota.

Food & function , Volume: 9 Issue: 8 2018 Aug 15

Authors Kim WG, Kim HI, Kwon EK, Han MJ, Kim DH

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Singh A, Zapata RC, Pezeshki A, Reidelberger RD, Chelikani PK

Pectin Alleviates High Fat (Lard) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.

Journal of agricultural and food chemistry , 2018 Jul 20

Authors Li W, Zhang K, Yang H

Maternal Soluble Fiber Diet during Pregnancy Changes the Intestinal Microbiota, Improves Growth Performance, and Reduces Intestinal Permeability in Piglets.

Applied and environmental microbiology , Volume: 84 Issue: 17 2018 Sep 1

Authors Cheng C, Wei H, Xu C, Xie X, Jiang S, Peng J

Identification of Phenolic Compounds-Rich Grape Pomace Extracts Urine Metabolites and Correlation with Gut Microbiota Modulation.

Antioxidants (Basel, Switzerland) , Volume: 7 Issue: 6 2018 Jun 4

Authors Chacar S, Tarighi M, Fares N, Faivre JF, Louka N, Maroun RG

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

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

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

Inhalational exposure to particulate matter air pollution alters the composition of the gut microbiome.

Environmental pollution (Barking, Essex : 1987) , Volume: 240 2018 Sep

Authors Mutlu EA, Comba IY, Cho T, Engen PA, Yazici C, Soberanes S, Hamanaka RB, Nigdelioglu R, Meliton AY, Ghio AJ, Budinger GRS, Mutlu GM

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, Tepluk AV, Alexeev DG

The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.

Molecular nutrition & food research , 2018 Apr 17

Authors González-Sarriás A, Romo-Vaquero M, García-Villalba R, Cortés-Martín A, Selma MV, Espín JC

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

Neurotoxicology and teratology , Volume: 67 2018 May - Jun

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

Metformin: old friend, new ways of action-implication of the gut microbiome?

Current opinion in clinical nutrition and metabolic care , Volume: 21 Issue: 4 2018 Jul

Authors Rodríguez J, Hiel S, Delzenne NM

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

Extensive impact of non-antibiotic drugs on human gut bacteria.

Nature , Volume: 555 Issue: 7698 2018 Mar 29

Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A

Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.

Nutrition & diabetes , Volume: 8 Issue: 1 2018 Mar 7

Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM

Whole Tibetan Hull-Less Barley Exhibit Stronger Effect on Promoting Growth of Genus Bifidobacterium than Refined Barley In Vitro.

Journal of food science , Volume: 83 Issue: 4 2018 Apr

Authors Gong L,Cao W,Gao J,Wang J,Zhang H,Sun B,Yin M

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

PeerJ , Volume: 6 2018

Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X

Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation.

Applied and environmental microbiology , Volume: 84 Issue: 9 2018 May 1

Authors Rivière A,Selak M,Geirnaert A,Van den Abbeele P,De Vuyst L

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

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.

Frontiers in microbiology , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.

Canadian journal of microbiology , 2018 Feb 5

Authors Wang Y,Guo Y,Chen H,Wei H,Wan C

Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 73 Issue: 1 2018 Mar

Authors Paturi G,Butts CA,Monro JA,Hedderley D

Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.

Carcinogenesis , 2018 Jan 19

Authors Chen L,Jiang B,Zhong C,Guo J,Zhang L,Mu T,Zhang Q,Bi X

The Relationship between Habitual Dietary Intake and Gut Microbiota in Young Japanese Women.

Journal of nutritional science and vitaminology , Volume: 63 Issue: 6 2017

Authors Seura T,Yoshino Y,Fukuwatari T

Effect of dark sweet cherry powder consumption on the gut microbiota, short-chain fatty acids, and biomarkers of gut health in obese db/db mice.

PeerJ , Volume: 6 2018

Authors Garcia-Mazcorro JF,Lage NN,Mertens-Talcott S,Talcott S,Chew B,Dowd SE,Kawas JR,Noratto GD

Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.

The British journal of nutrition , Volume: 119 Issue: 2 2018 Jan

Authors Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

Journal of food protection , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

The Impact of Long-Term Intake of Phenolic Compounds-Rich Grape Pomace on Rat Gut Microbiota.

Journal of food science , Volume: 83 Issue: 1 2018 Jan

Authors Chacar S,Itani T,Hajal J,Saliba Y,Louka N,Faivre JF,Maroun R,Fares N

Systematic review: human gut dysbiosis induced by non-antibiotic prescription medications.

Alimentary pharmacology & therapeutics , Volume: 47 Issue: 3 2018 Feb

Authors Le Bastard Q,Al-Ghalith GA,Grégoire M,Chapelet G,Javaudin F,Dailly E,Batard E,Knights D,Montassier E

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

Modulation of the gut microbiota by metformin improves metabolic profiles in aged obese mice.

Gut microbes , 2017 Nov 20

Authors Lee H, Lee Y, Kim J, An J, Lee S, Kong H, Song Y, Lee CK, Kim K

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

Dietary ZnO nanoparticles alters intestinal microbiota and inflammation response in weaned piglets.

Oncotarget , Volume: 8 Issue: 39 2017 Sep 12

Authors Xia T,Lai W,Han M,Han M,Ma X,Zhang L

Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.

The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminant Microbiota in Dairy Cows Fed High-Grain Diets.

Frontiers in microbiology , Volume: 8 2017

Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B

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

Dietary soy, meat, and fish proteins modulate the effects of prebiotic raffinose on composition and fermentation of gut microbiota in rats.

International journal of food sciences and nutrition , Volume: 69 Issue: 4 2018 Jun

Authors Bai G,Tsuruta T,Nishino N

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

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

Effects of One-Week Empirical Antibiotic Therapy on the Early Development of Gut Microbiota and Metabolites in Preterm Infants

Scientific Reports , Volume: 7 2017 Aug 14

Authors Zhu D,Xiao S,Yu J,Ai Q,He Y,Cheng C,Zhang Y,Pan Y

Beef, Chicken, and Soy Proteins in Diets Induce Different Gut Microbiota and Metabolites in Rats.

Frontiers in microbiology , Volume: 8 2017

Authors Zhu Y,Shi X,Lin X,Ye K,Xu X,Li C,Zhou G

[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,Schwejda-Guettes S,Gaigg B,Kuchinka-Koch A,Stover JF

[Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.](#)

Nutrition and cancer , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P,Lam V,Salzman N,Huang YW,Yu J,Zhang J,Wang LS

[Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.](#)

Scientific reports , Volume: 7 Issue: 1 2017 Jul 17

Authors Suriano F,Bindels LB,Verspreet J,Courtin CM,Verbeke K,Cani PD,Neyrinck AM,Delzenne NM

[Effect of Soy Isoflavones on Growth of Representative Bacterial Species from the Human Gut.](#)

Nutrients , Volume: 9 Issue: 7 2017 Jul 8

Authors Vázquez L,Flórez AB,Guadamuro L,Mayo B

[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

[In vitro modulation of gut microbiota by whey protein to preserve intestinal health.](#)

Food & function , Volume: 8 Issue: 9 2017 Sep 20

Authors Sánchez-Moya T,López-Nicolás R,Planes D,González-Bermúdez CA,Ros-Berruezo G,Frontela-Saseta C

[Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome.](#)

Environmental microbiology , Volume: 19 Issue: 8 2017 Aug

Authors De Paepe K,Kerckhof FM,Verspreet J,Courtin CM,Van de Wiele T

[Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.](#)

Nutrients , Volume: 9 Issue: 6 2017 May 24

Authors Koutsos A,Lima M,Conterno L,Gasperotti M,Bianchi M,Fava F,Vrhovsek U,Lovegrove JA,Tuohy KM

[Gut Microbiota Mediates the Protective Effects of Dietary Capsaicin against Chronic Low-Grade Inflammation and Associated Obesity Induced by High-Fat Diet.](#)

mBio , Volume: 8 Issue: 3 2017 May 23

Authors Kang C,Wang B,Kaliannan K,Wang X,Lang H,Hui S,Huang L,Zhang Y,Zhou M,Chen M,Mi M

[Health benefit of vegetable/fruit juice-based diet: Role of microbiome](#)

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

[The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.](#)

Science translational medicine , Volume: 9 Issue: 390 2017 May 17

Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI

[Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation.](#)

Food & function , Volume: 8 Issue: 5 2017 May 24

Authors Wang L,Hu L,Yan S,Jiang T,Fang S,Wang G,Zhao J,Zhang H,Chen W

[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

[Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Li J,Hou Q,Zhang J,Xu H,Sun Z,Menghe B,Zhang H

[Low-dose penicillin in early life induces long-term changes in murine gut microbiota, brain cytokines and behavior](#)

Nature Communications , Volume: 8 2017 Apr 4

Authors Leclercq S,Mian FM,Stanisz AM,Bindels LB,Cambier E,Ben-Amram H,Koren O,Forsythe P,Bienenstock J

[Rice- or pork-based diets with similar calorie and content result in different rat gut microbiota.](#)

International journal of food sciences and nutrition , Volume: 68 Issue: 7 2017 Nov

Authors Qi X,Xu W,Guo M,Chen S,Liu Y,He X,Huang K

[Anti-obesity Effect of Capsaicin in Mice Fed with High-Fat Diet Is Associated with an Increase in Population of the Gut Bacterium *Akkermansia muciniphila*.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Shen W,Shen M,Zhao X,Zhu H,Yang Y,Lu S,Tan Y,Li G,Li M,Wang J,Hu F,Le S

The effect of soymilk intake on the fecal microbiota, particularly *Bifidobacterium* species, and intestinal environment of healthy adults: a pilot study.

Bioscience of microbiota, food and health , Volume: 36 Issue: 1 2017

Authors Fujisawa T,Ohashi Y,Shin R,Narai-Kanayama A,Nakagaki T

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

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.

Gut , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J

Kodo millet whole grain and bran supplementation prevents high-fat diet induced derangements in a lipid profile, inflammatory status and gut bacteria in mice.

Food & function , Volume: 8 Issue: 3 2017 Mar 22

Authors Sarma SM,Khare P,Jagtap S,Singh DP,Baboota RK,Podili K,Boparai RK,Kaur J,Bhutani KK,Bishnoi M,Kondepudi KK

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

Oligofructose as an adjunct in treatment of diabetes in NOD mice.

Scientific reports , Volume: 6 2016 Nov 22

Authors Chan C,Hyslop CM,Shrivastava V,Ochoa A,Reimer RA,Huang C

Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.

International journal of food microbiology , Volume: 241 2017 Jan 16

Authors Moens F,Verce M,De Vuyst L

Soy and Gut Microbiota: Interaction and Implication for Human Health.

Journal of agricultural and food chemistry , Volume: 64 Issue: 46 2016 Nov 23

Authors Huang H,Krishnan HB,Pham Q,Yu LL,Wang TT

Effects of long-term *Bacillus subtilis* CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.

Poultry science , Volume: 96 Issue: 5 2017 May 1

Authors Guo JR,Dong XF,Liu S,Tong JM

Fucosyllactose and L-fucose utilization of infant *Bifidobacterium longum* and *Bifidobacterium kashiwanohense*.

BMC microbiology , Volume: 16 Issue: 1 2016 Oct 26

Authors Bunesova V,Lacroix C,Schwab C

Protein- and zinc-deficient diets modulate the murine microbiome and metabolic phenotype.

The American journal of clinical nutrition , Volume: 104 Issue: 5 2016 Nov

Authors Mayneris-Perxachs J,Bolick DT,Leng J,Medlock GL,Kolling GL,Papin JA,Swann JR,Guerrant RL

Oral supplementation of healthy adults with 2'-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.

The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct

Authors Elison E,Vigsnæs LK,Rindom Krogsgaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P

Synthesis and evaluation of anti-inflammatory properties of silver nanoparticle suspensions in experimental colitis in mice.

Chemical biology & drug design , Volume: 89 Issue: 4 2017 Apr

Authors Siczek K,Zatorski H,Chmielowiec-Korzeniowska A,Pulit-Prociak J,Smiech M,Kordek R,Tymczynyna L,Banach M,Fichna J

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

Iron Fortification of Foods for Infants and Children in Low-Income Countries: Effects on the Gut Microbiome, Gut

Inflammation, and Diarrhea.**Nutrients** , Volume: 8 Issue: 8 2016 Aug 12

Authors Paganini D,Uyoga MA,Zimmermann MB

An ATP Binding Cassette Transporter Mediates the Uptake of α -(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.**The Journal of biological chemistry** , Volume: 291 Issue: 38 2016 Sep 16

Authors Ejby M,Fredslund F,Andersen JM,Vujicic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M

Supplementation with fruit and okara soybean by-products and amaranth flour increases the folate production by starter and probiotic cultures.**International journal of food microbiology** , Volume: 236 2016 Nov 7

Authors Albuquerque MA,Bedani R,Vieira AD,LeBlanc JG,Saad SM

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

Dietary silver nanoparticles can disturb the gut microbiota in mice.**Particle and fibre toxicology** , Volume: 13 Issue: 1 2016 Jul 8

Authors van den Brule S,Ambroise J,Lecloux H,Levard C,Soulas R,De Temmerman PJ,Palmai-Pallag M,Marbaix E,Lison D

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

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

Inflammasome signaling affects anxiety- and depressive-like behavior and gut microbiome composition.**Molecular psychiatry** , Volume: 21 Issue: 6 2016 Jun

Authors Wong ML,Inserra A,Lewis MD,Mastronardi CA,Leong L,Choo J,Kentish S,Xie P,Morrison M,Wesselingh SL,Rogers GB,Licinio J

The intestinal microbiota of piglets fed with wheat bran variants as characterised by 16S rRNA next-generation amplicon sequencing.**Archives of animal nutrition** , Volume: 70 Issue: 3 2016

Authors Kraler M,Ghanbari M,Domig KJ,Schedle K,Kneifel W

Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.**Journal of pediatric gastroenterology and nutrition** , Volume: 63 Issue: 6 2016 Dec

Authors Berding K,Wang M,Monaco MH,Alexander LS,Mudd AT,Chichlowski M,Waworuntu RV,Berg BM,Miller MJ,Dilger RN,Donovan SM

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

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

In vitro extraction and fermentation of polyphenols from grape seeds (Vitis vinifera) by human intestinal microbiota.**Food & function** , Volume: 7 Issue: 4 2016 Apr

Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X

Effect of Wheat Dietary Fiber Particle Size during Digestion In Vitro on Bile Acid, Faecal Bacteria and Short-Chain Fatty Acid Content.**Plant foods for human nutrition (Dordrecht, Netherlands)** , Volume: 71 Issue: 2 2016 Jun

Authors Dziedzic K,Szwengiel A,Górecka D,Gujka E,Kaczowska J,Drozdzyńska A,Walkowiak J

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.**Food & function** , Volume: 7 Issue: 3 2016 Mar

Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY

High Molecular Weight Barley β -Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.**Frontiers in microbiology** , Volume: 7 2016

Authors Wang Y,Ames NP,Tun HM,Tosh SM,Jones PJ,Khafipour E

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,Lagkouvardos 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

Role of colonic microbiota in colorectal carcinogenesis: a systematic review.

Revista espanola de enfermedades digestivas , Volume: 107 Issue: 11 2015 Nov

Authors Borges-Canha M,Portela-Cidade JP,Dinis-Ribeiro M,Leite-Moreira AF,Pimentel-Nunes P

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

Table grape consumption reduces adiposity and markers of hepatic lipogenesis and alters gut microbiota in butter fat-fed mice.

The Journal of nutritional biochemistry , Volume: 27 2016 Jan

Authors Baldwin J,Collins B,Wolf PG,Martinez K,Shen W,Chuang CC,Zhong W,Cooney P,Cockrell C,Chang E,Gaskins HR,McIntosh MK

Microbial populations and fermentation profiles in rumen liquid and solids of Holstein cows respond differently to dietary barley processing.

Journal of applied microbiology , Volume: 119 Issue: 6 2015 Dec

Authors Metzler-Zebeli BU,Khol-Parisini A,Gruber L,Zebeli Q

Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.

Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

Equal status and changes in fecal microbiota in menopausal women receiving long-term treatment for menopause symptoms with a soy-isoflavone concentrate.

Frontiers in microbiology , Volume: 6 2015

Authors Guadamuro L,Delgado S,Redruello B,Flórez AB,Suárez A,Martínez-Camblor P,Mayo B

Characterization of the Intestinal Lactobacilli Community following Galactooligosaccharides and Polydextrose Supplementation in the Neonatal Piglet.

PloS one , Volume: 10 Issue: 8 2015

Authors Hoeflinger JL,Kashtanov DO,Cox SB,Dowd SE,Jouni ZE,Donovan SM,Miller MJ

Effect of starch source (corn, oats or wheat) and concentration on fermentation by equine faecal microbiota in vitro.

Journal of applied microbiology , Volume: 119 Issue: 5 2015 Nov

Authors Harlow BE,Donley TM,Lawrence LM,Flythe MD

In vitro fermentation of lupin seeds (Lupinus albus) and broad beans (Vicia faba): dynamic modulation of the intestinal microbiota and metabolomic output.

Food & function , Volume: 6 Issue: 10 2015 Oct

Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM

Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.

Biology of sex differences , Volume: 6 2015

Authors Shastri P,McCarville J,Kalmokoff M,Brooks SP,Green-Johnson JM

Agave Inulin Supplementation Affects the Fecal Microbiota of Healthy Adults Participating in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial.

The Journal of nutrition , Volume: 145 Issue: 9 2015 Sep

Authors Holscher HD,Bauer LL,Gourineni V,Pelkman CL,Fahey GC Jr,Swanson KS

Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.

Food & function , Volume: 6 Issue: 8 2015 Aug

Authors Li Z,Henning SM,Lee RP,Lu QY,Summanen PH,Thames G,Corbett K,Downes J,Tseng CH,Finegold SM,Heber D

Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

[Wheat and barley differently affect porcine intestinal microbiota.](#)**Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr**

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

[In vitro characterisation of the fermentation profile and prebiotic capacity of gold-fleshed kiwifruit.](#)**Beneficial microbes , Volume: 6 Issue: 6 2015**

Authors Blatchford P,Bentley-Hewitt KL,Stoklosinski H,McGhie T,Gearry R,Gibson G,Ansell J

[In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.](#)**Journal of microbiology and biotechnology , Volume: 25 Issue: 9 2015 Sep**

Authors Jung TH,Jeon WM,Han KS

[Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.](#)**Anaerobe , Volume: 34 2015 Aug**

Authors Li Z,Summanen PH,Komoriya T,Henning SM,Lee RP,Carlson E,Heber D,Finegold SM

[Review article: dietary fibre-microbiota interactions.](#)**Alimentary pharmacology & therapeutics , Volume: 42 Issue: 2 2015 Jul**

Authors Simpson HL,Campbell BJ

[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

[Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.](#)**Nutrients , Volume: 7 Issue: 2 2015 Feb 16**

Authors Sheflin AM,Borresen EC,Wdowik MJ,Rao S,Brown RJ,Heuberger AL,Broeckling CD,Weir TL,Ryan EP

[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

[Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber.](#)**The American journal of clinical nutrition , Volume: 101 Issue: 2 2015 Feb**

Authors Vitaglione P,Mennella I,Ferracane R,Rivellese AA,Giacco R,Ercolini D,Gibbons SM,La Stora A,Gilbert JA,Jonnalagadda S,Thielecke F,Gallo MA,Scalfi L,Fogliano V

[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

[Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.](#)**PloS one , Volume: 9 Issue: 11 2014**

Authors Koleva P,Ketabi A,Valcheva R,Gänzle MG,Dieleman LA

[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

[Dietary supplementation with soybean oligosaccharides increases short-chain fatty acids but decreases protein-derived catabolites in the intestinal luminal content of weaned Huanjiang mini-piglets.](#)**Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep**

Authors Zhou XL,Kong XF,Lian GQ,Blachier F,Geng MM,Yin YL

[Long-term intake of a high prebiotic fiber diet but not high protein reduces metabolic risk after a high fat challenge and uniquely alters gut microbiota and hepatic gene expression.](#)

Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep

Authors Saha DC,Reimer RA

[Cereal byproducts have prebiotic potential in mice fed a high-fat diet.](#)

Journal of agricultural and food chemistry , Volume: 62 Issue: 32 2014 Aug 13

Authors Berger K,Falck P,Linninge C,Nilsson U,Axling U,Grey C,Stålbrand H,Nordberg Karlsson E,Nyman M,Holm C,Adlercreutz P

[Effect of metformin on metabolic improvement and gut microbiota.](#)

Applied and environmental microbiology , Volume: 80 Issue: 19 2014 Oct

Authors Lee H,Ko G

[The effect of hydro alcoholic extract of seven plants on cariogenic bacteria—an in vitro evaluation.](#)

Oral health and dental management , Volume: 13 Issue: 2 2014 Jun

Authors Kermanshah H,Kamangar SS,Arami S,Kamalinegad M,Karimi M,Mirsalehian A,Jabalameli F,Fard MJ

[Effects of 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

[Analysis of interaction property of calycosin-7-O-β-D-glucoside with human gut microbiota.](#)

Journal of chromatography. B, Analytical technologies in the biomedical and life sciences , Volume: 963 2014 Jul 15

Authors Zhang W,Jiang S,Qian D,Shang EX,Duan JA

[Effects of subchronic exposure of silver nanoparticles on intestinal microbiota and gut-associated immune responses in the ileum of Sprague-Dawley rats.](#)

Nanotoxicology , Volume: 9 Issue: 3 2015 May

Authors Williams K,Milner J,Boudreau MD,Gokulan K,Cerniglia CE,Khare S

[Efficacy of Papacarie® in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.](#)

Clinics (Sao Paulo, Brazil) , Volume: 69 Issue: 5 2014

Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MF

[Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.](#)

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E, Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez C,Martínez-Cuesta MC,Requena T

[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

[Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.](#)

Food & function , Volume: 5 Issue: 6 2014 Jun

Authors Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G

[Effects of Lactobacillus plantarum on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.](#)

Canadian journal of microbiology , Volume: 60 Issue: 4 2014 Apr

Authors Shen X,Yi D,Ni X,Zeng D,Jing B,Lei M,Bian Z,Zeng Y,Li T,Xin J

[Changes chemopreventive markers in colorectal cancer development after inulin supplementation.](#)

Bratislavske lekarske listy , Volume: 115 Issue: 2 2014

Authors Hájová E,Szabadosová V,Strojny L,Bomba A

[RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.](#)

Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr

Authors Tannock GW,Lawley B,Munro K,Sims IM, Lee J,Butts CA,Roy N

[Selective proliferation of intestinal Bacteroides under fucosyllactose supplementation in mice.](#)

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

Authors Weiss GA,Chassard C,Hennet T

[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

[The impact of high dietary zinc oxide on the development of the intestinal microbiota in weaned piglets.](#)

FEMS microbiology ecology , Volume: 87 Issue: 2 2014 Feb

Authors Starke IC,Pieper R,Neumann K,Zentek J,Vahjen W

Evaluation of bean and soy tempeh influence on intestinal bacteria and estimation of antibacterial properties of bean tempeh.

Polish journal of microbiology , Volume: 62 Issue: 2 2013

Authors Kuligowski M,Jasinska-Kuligowska I,Nowak J

Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.

Glycobiology , Volume: 23 Issue: 11 2013 Nov

Authors Yu ZT,Chen C,Newburg DS

Kiwifruit (*Actinidia deliciosa*) changes intestinal microbial profile.

Microbial ecology in health and disease , Volume: 23 2012

Authors Lee YK,Low KY,Siah K,Drummond LM,Gwee KA

Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.

Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec

Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

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

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

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

Lowbush wild blueberries have the potential to modify gut microbiota and xenobiotic metabolism in the rat colon.

PloS one , Volume: 8 Issue: 6 2013

Authors Lacombe A,Li RW,Klimis-Zacas D,Kristo AS,Tadepalli S,Krauss E,Young R,Wu VC

Intestinal microbiology in early life: specific prebiotics can have similar functionalities as human-milk oligosaccharides.

The American journal of clinical nutrition , Volume: 98 Issue: 2 2013 Aug

Authors Oozeer R,van Limpt K,Ludwig T,Ben Amor K,Martin R,Wind RD,Boehm G,Knol J

Fiber and prebiotics: mechanisms and health benefits.

Nutrients , Volume: 5 Issue: 4 2013 Apr 22

Authors Slavin J

Inulin-type fructans with different degrees of polymerization improve lipid metabolism but not glucose metabolism in rats fed a high-fat diet under energy restriction.

Digestive diseases and sciences , Volume: 58 Issue: 8 2013 Aug

Authors Han KH,Tsuchihira H,Nakamura Y,Shimada K,Ohba K,Aritsuka T,Uchino H,Kikuchi H,Fukushima M

Influence of coffee (*Coffea arabica*) and galacto-oligosaccharide consumption on intestinal microbiota and the host responses.

FEMS microbiology letters , Volume: 343 Issue: 2 2013 Jun

Authors Nakayama T,Oishi K

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

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

The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota.

Glycobiology , Volume: 23 Issue: 2 2013 Feb

Authors Yu ZT,Chen C,Kling DE,Liu B,McCoy JM,Merighi M,Heidtman M,Newburg DS

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

Anaerobe , Volume: 18 Issue: 6 2012 Dec

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

Effects of potato fiber and potato-resistant starch on biomarkers of colonic health in rats fed diets containing red meat.

Journal of food science , Volume: 77 Issue: 10 2012 Oct

Authors Paturi G,Nyanhanda T,Butts CA,Herath TD,Monro JA,Ansell J

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

Consumption of different soymilk formulations differentially affects the gut microbiomes of overweight and obese men.

Gut microbes , Volume: 3 Issue: 6 2012 Nov-Dec

Authors Fernandez-Raudales D,Hoefflinger JL,Bringe NA,Cox SB,Dowd SE,Miller MJ,Gonzalez de Mejia E

Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.

FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan

Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C

Enzyme deactivation treatments did not decrease the beneficial role of oat food in intestinal microbiota and short-chain fatty acids: an in vivo study.

Journal of the science of food and agriculture , Volume: 93 Issue: 3 2013 Feb

Authors Hu X,Xing X,Zhen H

Effect of chito-oligosaccharide on growth performance, intestinal barrier function, intestinal morphology and cecal microflora in weaned pigs.

Journal of animal science , Volume: 90 Issue: 8 2012 Aug

Authors Yang CM,Ferket PR,Hong QH,Zhou J,Cao GT,Zhou L,Chen AG

Inulin modifies the bifidobacteria population, fecal lactate concentration, and fecal pH but does not influence iron absorption in women with low iron status.

The American journal of clinical nutrition , Volume: 96 Issue: 2 2012 Aug

Authors Petry N,Egli I,Chassard C,Lacroix C,Hurrell R

Influence of red wine polyphenols and ethanol on the gut microbiota ecology and biochemical biomarkers.

The American journal of clinical nutrition , Volume: 95 Issue: 6 2012 Jun

Authors Queipo-Ortuño MI,Boto-Ordóñez M,Murri M,Gomez-Zumaquero JM,Clemente-Postigo M,Estruch R,Cardona Diaz F,Andrés-Lacueva C,Tinahones FJ

The antimicrobial action of chitosan, low molar mass chitosan, and chitoooligosaccharides on human colonic bacteria.

Folia microbiologica , Volume: 57 Issue: 4 2012 Jul

Authors Simunek J,Brandysová V,Koppová I,Simunek J Jr

Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr

Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM

Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.

The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14

Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA

Grape antioxidant dietary fiber stimulates Lactobacillus growth in rat cecum.

Journal of food science , Volume: 77 Issue: 2 2012 Feb

Authors Pozuelo MJ,Agís-Torres A,Hervet-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I

Influence of dietary blueberry and broccoli on cecal microbiota activity and colon morphology in mdr1a(-/-) mice, a model of inflammatory bowel diseases.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 28 Issue: 3 2012 Mar

Authors Paturi G,Mandimika T,Butts CA,Zhu S,Roy NC,McNabb WC,Ansell J

Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut.

Journal of agricultural and food chemistry , Volume: 59 Issue: 24 2011 Dec 28

Authors Vendrame S,Guglielmetti S,Riso P,Arioli S,Klimes-Zacas D,Porrini M

Effects of non-fermented and fermented soybean milk intake on faecal microbiota and faecal metabolites in humans.

International journal of food sciences and nutrition , Volume: 63 Issue: 4 2012 Jun

Authors Inoguchi S,Ohashi Y,Narai-Kanayama A,Aso K,Nakagaki T,Fujisawa T

High-level dietary fibre up-regulates colonic fermentation and relative abundance of saccharolytic bacteria within the human faecal microbiota in vitro.

European journal of nutrition , Volume: 51 Issue: 6 2012 Sep

Authors Shen Q,Zhao L,Tuohy KM

Influence of a probiotic soy product on fecal microbiota and its association with cardiovascular risk factors in an animal model.

Lipids in health and disease , Volume: 10 2011 Jul 29

Authors Cavallini DC,Suzuki JY,Abdalla DS,Vendramini RC,Pauly-Silveira ND,Roselino MN,Pinto RA,Rossi EA

[Effect of liquid whey feeding on fecal microbiota of mature and growing pigs.](#)

Animal science journal = Nihon chikusan Gakkaiho , Volume: 82 Issue: 4 2011 Aug

Authors Kobayashi Y,Ito A,Miyawaki K,Koike S,Iwabuchi O,Iimura Y,Kobashi Y,Kawashima T,Wakamatsu J,Hattori A,Murakami H,Morimatsu F,Nakaebisu T,Hishinuma T

[Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.](#)

Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C

[Prebiotics: germinated barley foodstuff for the prevention of colitis-associated colon cancer?](#)

Journal of gastroenterology and hepatology , Volume: 26 Issue: 8 2011 Aug

Authors Koh SJ,Kim JS

[Effect of banana consumption on faecal microbiota: a randomised, controlled trial.](#)

Anaerobe , Volume: 17 Issue: 6 2011 Dec

Authors Mitsou EK,Kougia E,Nomikos T,Yannakoulia M,Mountzouris KC,Kyriacou A

[Increased dietary zinc oxide changes the bacterial core and enterobacterial composition in the ileum of piglets.](#)

Journal of animal science , Volume: 89 Issue: 8 2011 Aug

Authors Vahjen W,Pieper R,Zentek J

[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,Ngoran EK,Nindjin C,Dostal A,Utzinger J,Ghattas H,Lacroix C,Hurrell RF

[In vitro evaluation of the microbiota modulation abilities of different sized whole oat grain flakes.](#)

Anaerobe , Volume: 16 Issue: 5 2010 Oct

Authors Connolly ML,Lovegrove JA,Tuohy KM

[Preparation of selenium/zinc-enriched probiotics and their effect on blood selenium and zinc concentrations, antioxidant capacities, and intestinal microflora in canine.](#)

Biological trace element research , Volume: 141 Issue: 1-3 2011 Jun

Authors Ren Z,Zhao Z,Wang Y,Huang K

[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

[Human gut bacterial communities are altered by addition of cruciferous vegetables to a controlled fruit- and vegetable-free diet.](#)

The Journal of nutrition , Volume: 139 Issue: 9 2009 Sep

Authors Li F,Hullar MA,Schwarz Y,Lampe JW

[In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.](#)

FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun

Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA

[Baseline microbiota activity and initial bifidobacteria counts influence responses to prebiotic dosing in healthy subjects.](#)

Alimentary pharmacology & therapeutics , Volume: 27 Issue: 6 2008 Mar 15

Authors de Preter V,Vanhoutte T,Huys G,Swings J,Rutgeerts P,Verbeke K

[Evaluation of fermentable oligosaccharides in diets fed to dogs in comparison to fiber standards.](#)

Journal of animal science , Volume: 85 Issue: 11 2007 Nov

Authors Middelbos IS, Fastinger ND, Fahey GC Jr

Jerusalem artichoke and chicory inulin in bakery products affect faecal microbiota of healthy volunteers.

The British journal of nutrition , Volume: 98 Issue: 3 2007 Sep

Authors Kleessen B, Schwarz S, Boehm A, Fuhrmann H, Richter A, Henle T, Krueger M

Impact of consumption of different levels of Bifidobacterium lactis HN019 on the intestinal microflora of elderly human subjects.

The journal of nutrition, health & aging , Volume: 11 Issue: 1 2007 Jan-Feb

Authors Ahmed M, Prasad J, Gill H, Stevenson L, Gopal P

Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.

Asia Pacific journal of clinical nutrition , Volume: 16 Issue: 1 2007

Authors Kim SH, Lee DH, Meyer D

Physiological effects of extraction juices from apple, grape, and red beet pomaces in rats.

Journal of agricultural and food chemistry , Volume: 54 Issue: 26 2006 Dec 27

Authors Sembries S, Dongowski G, Mehrländer K, Will F, Dietrich H

Effects of Bifidobacterium lactis Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.

Journal of clinical microbiology , Volume: 44 Issue: 11 2006 Nov

Authors Mohan R, Koebnick C, Schildt J, Schmidt S, Mueller M, Possner M, Radke M, Blaut M

Molecular monitoring of the fecal microbiota of healthy human subjects during administration of lactulose and Saccharomyces boulardii.

Applied and environmental microbiology , Volume: 72 Issue: 9 2006 Sep

Authors Vanhoutte T, De Preter V, De Brandt E, Verbeke K, Swings J, Huys G

Dietary glycine concentration affects intestinal Clostridium perfringens and lactobacilli populations in broiler chickens.

Poultry science , Volume: 84 Issue: 12 2005 Dec

Authors Dahiya JP, Hoehler D, Wilkie DC, Van Kessel AG, Drew MD

Isoflavones and functional foods alter the dominant intestinal microbiota in postmenopausal women.

The Journal of nutrition , Volume: 135 Issue: 12 2005 Dec

Authors Clavel T, Fallani M, Lepage P, Levenez F, Mathéy J, Rochet V, Sérézat M, Sutren M, Henderson G, Bennetau-Pelissero C, Tondut F, Blaut M, Doré J, Coxam V

Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.

Acta paediatrica (Oslo, Norway : 1992). Supplement , Volume: 94 Issue: 449 2005 Oct

Authors Knol J, Boehm G, Lidestri M, Negretti F, Jelinek J, Agosti M, Stahl B, Marini A, Mosca F

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

Lactulose ingestion increases faecal bifidobacterial counts: a randomised double-blind study in healthy humans.

European journal of clinical nutrition , Volume: 58 Issue: 3 2004 Mar

Authors Bouhnik Y, Attar A, Joly FA, Riottot M, Dyard F, Flourie B

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

Prebiotic treatment of experimental colitis with germinated barley foodstuff: a comparison with probiotic or antibiotic treatment.

International journal of molecular medicine , Volume: 9 Issue: 1 2002 Jan

Authors Fukuda M,Kanauchi O,Araki Y,Andoh A,Mitsuyama K,Takagi K,Toyonaga A,Sata M,Fujiyama Y,Fukuoka M,Matsumoto Y,Bamba T

Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.

The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug

Authors Kleessen B,Hartmann L,Blaut M

Enrichment of bifidobacteria in the hen caeca by dietary inulin.

Folia microbiologica , Volume: 46 Issue: 1 2001

Authors Rada V,Dusková D,Marounek M,Petr J

Suppressive effects of bifidobacteria on lipid peroxidation in the colonic mucosa of iron-overloaded mice.

Journal of dairy science , Volume: 84 Issue: 7 2001 Jul

Authors Ito M,Sawada H,Ohishi K,Yoshida Y,Yokoi W,Watanabe T,Yokokura T

Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.

Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May

Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG

Increased growth of Bifidobacterium and Eubacterium by germinated barley foodstuff, accompanied by enhanced butyrate production in healthy volunteers.

International journal of molecular medicine , Volume: 3 Issue: 2 1999 Feb

Authors Kanauchi O,Fujiyama Y,Mitsuyama K,Araki Y,Ishii T,Nakamura T,Hitomi Y,Agata K,Saiki T,Andoh A,Toyonaga A,Bamba T

Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.

Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct

Authors Sghir A,Chow JM,Mackie RI

The colonization of a simulator of the human intestinal microbial ecosystem by a probiotic strain fed on a fermented oat bran product: effects on the gastrointestinal microbiota.

Applied microbiology and biotechnology , Volume: 50 Issue: 2 1998 Aug

Authors Kontula P,Jaskari J,Nollet L,De Smet I,von Wright A,Poutanen K,Mattila-Sandholm T

Antibiotic susceptibility of potentially probiotic Bifidobacterium isolates from the human gastrointestinal tract.

Letters in applied microbiology , Volume: 26 Issue: 5 1998 May

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

Health benefits of non-digestible oligosaccharides.

Advances in experimental medicine and biology , Volume: 427 1997

Authors Roberfroid MB

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

Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture.

FEMS microbiology letters , Volume: 118 Issue: 1-2 1994 May 1

Authors Gibson GR,Wang X

Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin.

Gastroenterology , Volume: 108 Issue: 4 1995 Apr

Authors Gibson GR,Beatty ER,Wang X,Cummings JH

The fermentation of lactulose by colonic bacteria.

Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS,Bramley PM,Menzies IS

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

Diet and faecal flora in the newborn: iron.

Archives of disease in childhood , Volume: 66 Issue: 12 1991 Dec

Authors Balmer SE,Wharton BA

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1

Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

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Acne
Addison's Disease (hypocortisolism)
ADHD
Age-Related Macular Degeneration and Glaucoma
Allergic Rhinitis (Hay Fever)
Allergies
Allergy to milk products
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron
Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Atrial fibrillation
Autism
Autoimmune Disease
Barrett esophagus cancer
benign prostatic hyperplasia
Biofilm
Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
cdkl5 deficiency disorder
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis

Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
liver fibrosis
Long COVID
Low bone mineral density
Lung Cancer
Lymphoma
Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis

neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing
Vitiligo