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

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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'**

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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
Bacteroidia	*class*	Low	*200643*
Oscillospiraceae	*family*	High	*216572*
Porphyromonadaceae	*family*	Low	*171551*
Actinobacillus	*genus*	High	*713*
Bifidobacterium	*genus*	Low	*1678*
Blautia	*genus*	High	*572511*
Collinsella	*genus*	High	*102106*
Eggerthella	*genus*	High	*84111*
Faecalibacterium	*genus*	Low	*216851*
Finegoldia	*genus*	High	*150022*
Lactobacillus	*genus*	Low	*1578*
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.

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}
chemotherapy (prescription)
Diferuloylmethane {Curcumin} 3 gram/day
Ferrum {Iron Supplements} 400 mg/day
Humulus lupulus compound {Xanthohumol}
N-(phosphonomethyl)glycine {glyphosate}
Nitrogen Oxide x Particulate Matter {Urban air pollutant}
Polyethylene oxide sorbitan mono-oleate {Polysorbate 80}
Sodium Chloride {Salt}
Sodium Fluoride {Toothpaste fluoride}
Sus domesticus {Pork}
Titanium Dioxide {E171}

Retail Probiotics

Over 260 retail probiotics were evaluted with the following deem beneficial with no known adverse risks.

SuperSmart / Akkermansia Muciniphila Postbiotic (pasturized)
Pendulum / akkermansia muciniphila
Pendulum / Pendulum Glucose Control
Pendulum / Metabolic Daily

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

Substance to Consider Reducing or Eliminating

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

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

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,Eller 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-?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
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
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,Pasricha SR
Garlic Bioconverted by Bacillus subtilis Stimulates the Intestinal Immune System and Modulates Gut Microbiota Composition.
Molecular nutrition & food research , Volume: 68 Issue: 20 2024 Oct
Authors Tonog G,Yu H,Moon SK,Lee S,Jeong H,Kim HS,Kim KB,Suh HJ,Kim H
Alginate Oligosaccharides Enhance Gut Microbiota and Intestinal Barrier Function, Alleviating Host Damage Induced by Deoxynivalenol in Mice.
The Journal of nutrition , Volume: 154 Issue: 11 2024 Nov
Authors Mi J,Tong Y,Zhang Q,Wang Q,Wang Y,Wang Y,Lin G,Ma Q,Li T,Huang S
Combination of Lactiplantibacillus Plantarum ELF051 and Astragalus Polysaccharides Improves Intestinal Barrier Function and Gut Microbiota Profiles in Mice with Antibiotic-Associated Diarrhea.
Probiotics and antimicrobial proteins , 2024 Oct 1
Authors Zhong B,Liang W,Zhao Y,Li F,Zhao Z,Gao Y,Yang G,Li S
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 ß-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
Preventive effects of a nutraceutical mixture of berberine, citrus and apple extracts on metabolic disturbances in Zucker fatty rats.
PloS one , Volume: 19 Issue: 7 2024
Authors Siliman Misha M,Destrumelle S,Le Jan D,Mansour NM,Fizanne L,Ouguerram K,Desfontis JC,Mallem MY
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 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 PPARa-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
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,Schloter 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

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

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,Huszcza 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

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,Huszcza 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

Impact of polyphenol-loaded edible starch nanomaterials on antioxidant capacity and gut microbiota.

International journal of biological macromolecules , Volume: 265 Issue: Pt 1 2024 Apr

Authors Lei W,Qi M,Tan P,Yang S,Fan L,Li H,Gao Z

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-Wurttemberg, 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,Galczynski 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

Curcumin attenuates aflatoxin B1-induced ileum injury in ducks by inhibiting NLRP3 inflammasome and regulating TLR4/NF-?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 TiO(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

Effect of Lacticaseibacillus 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

Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF-?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 TCGL,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

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

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

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

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 GI,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

Immunomodulatory effects of inulin and its intestinal metabolites.
Frontiers in immunology , Volume: 14 2023
Authors Sheng W,Ji G,Zhang L

Relationship between Oat Consumption, Gut Microbiota Modulation, and Short-Chain Fatty Acid Synthesis: An Integrative Review.
Nutrients , Volume: 15 Issue: 16 2023 Aug 11
Authors Fabiano GA,Shinn LM,Antunes AEC

The Protective Effect of Broccoli Seed Extract against Lipopolysaccharide-Induced Acute Liver Injury via Gut Microbiota Modulation and Sulforaphane Production in Mice.
Foods (Basel, Switzerland) , Volume: 12 Issue: 14 2023 Jul 21
Authors Mao B,Ren B,Wu J,Tang X,Zhang Q,Zhao J,Zhang L,Chen W,Cui S

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,Penumutchu S,Belenky P

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

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 MB001 and its probiotic effect on growth performance, cecal microbiome and gut integrity of broiler chickens in a tropical climate.

Animal bioscience , Volume: 36 Issue: 8 2023 Aug

Authors Vimon 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 (CMEC) 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,Nawrot 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

Effects of kiwi fruit (Actinidia chinensis) polysaccharides on metabolites and gut microbiota of acrylamide-induced mice.

Frontiers in nutrition , Volume: 10 2023

Authors Chen M,Chen X,Wang K,Cai L,Liu N,Zhou D,Jia W,Gong P,Liu N,Sun Y

Intestinal microbial composition changes induced by Lactobacillus plantarum GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.

Journal of animal science and technology , Volume: 64 Issue: 6 2022 Nov

Authors Yu DY,Oh SH,Kim IS,Kim GI,Kim JA,Moon YS,Jang JC,Lee SS,Jung JH,Park J,Cho KK

The Dietary Fermentable Fiber Inulin Alters the Intestinal Microbiome and Improves Chronic Kidney Disease Mineral-Bone Disorder in a Rat Model of CKD.

bioRxiv : the preprint server for biology , 2023 Jan 31

Authors Biruete A,Chen NX,Metzger CE,Srinivasan S,Oâ Neill K,Fallen PB,Fonseca A,Wilson HE,de Loor H,Evenepoel P,Swanson KS,Allen MR,Moe SM

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,Firrman 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 Rodriguez 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 Sulforaphane 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-Fandila A,Garcia-Corcoles MT,Rueda R,Gil Á

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

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

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

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

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 Kostiuchenko 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

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

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 TiO(2) 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 metabonomics.
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 Harsselaar J,Theis S,Lohner S

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

Nutrients , Volume: 14 Issue: 13 2022 Jul 4

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

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

Nutrients , Volume: 14 Issue: 13 2022 Jun 30

Authors Huang F,Marungruang N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållenius 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

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

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

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

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

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 ß-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* Reprograming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.

Frontiers in immunology , Volume: 12 2021

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

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 Florated Rats.

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

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

Chitooligosaccahrides: Digestion characterization and effect of the degree of polymerization on gut microorganisms to manage the metabolome functional diversity in vitro.

Carbohydrate polymers , Volume: 275 2022 Jan 1

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

Lactobacillus plantarum CCFM1143 Alleviates Chronic Diarrhea *via* Inflammation Regulation and Gut Microbiota Modulation: A Double-Blind, Randomized, Placebo-Controlled Study.

Frontiers in immunology , Volume: 12 2021

Authors Yang B,Yue Y,Chen Y,Ding M,Li B,Wang L,Wang Q,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

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

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

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

Frontiers in nutrition , Volume: 8 2021

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

Kaempferol Alleviates Murine Experimental Colitis by Restoring Gut Microbiota and Inhibiting the LPS-TLR4-NF-?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

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

Investigation of Immunomodulatory and Gut Microbiota-Altering Properties of Multicomponent Nutraceutical Prepared from Lactic Acid Bacteria, Bovine Colostrum, Apple Production By-Products and Essential Oils.

Foods (Basel, Switzerland) , Volume: 10 Issue: 6 2021 Jun 7

Authors Grigas J,Ruzauskas M,Pautienius A,Bartkiene E,Lele V,Starkute V,Zavistanaviciute P,Zokaityte E,Bernatoniene J,Ivanauskas L,Jakstas V,Stankevicius 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

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,Ojo 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,Odamaki 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,Rodriguez J,Cani PD,Bindels LB,Delzenne NM

Effects of Bifidobacterium animalis ssp. lactis 420 on gastrointestinal inflammation induced by a non-steroidal anti-inflammatory drug: a randomized, placebo-controlled, double-blind clinical trial.
British journal of clinical pharmacology , 2021 Apr 27
Authors Mäkelä SM,Forssten SD,Kailajärvi M,Langén VL,Scheinin M,Tiihonen K,Ouwehand AC

Gut modulation based anti-diabetic effects of carboxymethylated wheat bran dietary fiber in high-fat diet/streptozotocin-induced diabetic mice and their potential mechanisms.
Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 152 2021 Jun
Authors Li XX,Zhang XX,Zhang R,Ni ZJ,Elam E,Thakur K,Cespedes-Acuña CL,Zhang JG,Wei ZJ

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

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
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,Rodriguez J,Zhang Z,Seethaler B,Sánchez CR,Roumain M,Hiel S,Bindels LB,Cani PD,Paquot N,Cnop M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM
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,Therdtatha 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 instillated 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 babarum 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-M?-Nuclear Factor-?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,Anglenius H,Maukonen J

Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Long-Chain Inulin Intake.
Molecular nutrition & food research , Volume: 65 Issue: 4 2021 Feb
Authors Kiewiet MBG,Elderman ME,El Aidy S,Burgerhof JGM,Visser H,Vaughan EE,Faas MM,de Vos P

Exopolysaccharides from Lactobacillus plantarum YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.
Acta biochimica Polonica , Volume: 67 Issue: 4 2020 Dec 17
Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y

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,Kiewiet MBG,Logtenberg MJ,Groeneveld A,Nauta A,Schols HA,Walvoort MTC,Harmsen HJM,de Vos P
Dynamic gut microbiome changes to low-iron challenge.
Applied and environmental microbiology , 2020 Nov 13
Authors Coe GL,Pinkham NV,Celis AI,Johnson C,DuBois JL,Walk ST
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
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
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 Alternations 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 PPARa signal pathway and gut microbiota.

Applied microbiology and biotechnology , Volume: 104 Issue: 13 2020 Jul

Authors Cai H,Wen Z,Li X,Meng K,Yang P

5-Heptadecylresorcinol, a Biomarker for Whole Grain Rye Consumption, Ameliorates Cognitive Impairments and Neuroinflammation in APP/PS1 Transgenic Mice.

Molecular nutrition & food research , Volume: 64 Issue: 11 2020 Jun

Authors Liu J,Wang Y,Wang Z,Hao Y,Bai W,Wang Z,Wang J

The Protective Effects of 2`-Fucosyllactose against *E. Coli* O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.

Nutrients , Volume: 12 Issue: 5 2020 May 1

Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S

Preventive Effects of Kaempferol on High-Fat Diet-Induced Obesity Complications in C57BL/6 Mice.

BioMed research international , Volume: 2020 2020

Authors Wang T,Wu Q,Zhao T

Lactobacillus plantarum NA136 ameliorates nonalcoholic fatty liver disease by modulating gut microbiota, improving intestinal barrier integrity, and attenuating inflammation.

Applied microbiology and biotechnology , Volume: 104 Issue: 12 2020 Jun

Authors Zhao Z,Chen L,Zhao Y,Wang C,Duan C,Yang G,Niu C,Li S

Effect of chicory inulin-type fructan-containing snack bars on the human gut microbiota in low dietary fiber consumers in a randomized crossover trial.

The American journal of clinical nutrition , Volume: 111 Issue: 6 2020 Jun 1

Authors Reimer RA,Soto-Vaca A,Nicolucci AC,Mayengbam S,Park H,Madsen KL,Menon R,Vaughan EE

Cultivation of the Next-Generation Probiotic Akkermansia muciniphila, Methods of Its Safe Delivery to the Intestine, and Factors Contributing to Its Growth In Vivo.

Current microbiology , Volume: 77 Issue: 8 2020 Aug

Authors Ropot AV,Karamzin AM,Sergeyev OV

Consumption of two whole kiwifruit (Actinide chinensis) per day improves lipid homeostasis, fatty acid metabolism and gut microbiota in healthy rats.

International journal of biological macromolecules , Volume: 156 2020 Apr 9

Authors Alim A,Li T,Nisar T,Ren D,Liu Y,Yang X

Modulation of Pectin on Mucosal Innate Immune Function in Pigs Mediated by Gut Microbiota.

Microorganisms , Volume: 8 Issue: 4 2020 Apr 8

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

Regulatory effects of Lactobacillus plantarum HY7714 on skin health by improving intestinal condition.

PloS one , Volume: 15 Issue: 4 2020

Authors Nam B,Kim SA,Park SD,Kim HJ,Kim JS,Bae CH,Kim JY,Nam W,Lee JL,Sim JH

2`-fucosyllactose Supplementation Improves Gut-Brain Signaling and Diet-Induced Obese Phenotype and Changes the Gut Microbiota in High Fat-Fed Mice.

Nutrients , Volume: 12 Issue: 4 2020 Apr 5

Authors Lee S,Goodson M,Vang W,Kalanetra K,Barile D,Raybould H

Pork Meat Proteins Alter Gut Microbiota and Lipid Metabolism Genes in the Colon of Adaptive Immune-Deficient Mice.

Molecular nutrition & food research , Volume: 64 Issue: 9 2020 May

Authors Zhang M,Zou X,Zhao D,Zhao F,Li C

Grape Extract Activates Brown Adipose Tissue Through Pathway Involving the Regulation of Gut Microbiota and Bile Acid.

Molecular nutrition & food research , 2020 Apr 5

Authors Han X,Guo J,Yin M,Liu Y,You Y,Zhan J,Huang W

Maternal sucralose intake alters gut microbiota of offspring and exacerbates hepatic steatosis in adulthood.

Gut microbes , Volume: 11 Issue: 4 2020 Jul 3

Authors Dai X,Guo Z,Chen D,Li L,Song X,Liu T,Jin G,Li Y,Liu Y,Ajiguli A,Yang C,Wang B,Cao H

Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.

The British journal of nutrition , Volume: 124 Issue: 3 2020 Aug 14

Authors Wang W,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H,He J

Randomised clinical trial: effect of low-FODMAP rye bread versus regular rye bread on the intestinal microbiota of irritable bowel syndrome patients: association with individual symptom variation.

BMC nutrition , Volume: 5 2019

Authors Laatikainen R,Jalanka J,Loponen J,Hongisto SM,Hillilä M,Koskenpato J,Korpela R,Salonen A

Air 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 a-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

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,Blædel 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,Antoniades A,Shammas C
Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.
NPJ biofilms and microbiomes , Volume: 5 2019

Authors La Carpia F,Wojczyk BS,Annavajhala MK,Rebbaa A,Culp-Hill R,D`Alessandro A,Freedberg DE,Uhlemann AC,Hod EA
Role of the Gut Microbiota and Their Metabolites in Modulating the Cholesterol-Lowering Effects of Citrus Pectin Oligosaccharides in C57BL/6 Mice.
Journal of agricultural and food chemistry , Volume: 67 Issue: 43 2019 Oct 30

Authors Hu H,Zhang S,Liu F,Zhang P,Muhammad Z,Pan S
Effects of grape pomace and seed polyphenol extracts on the recovery of gut microbiota after antibiotic treatment in high-fat diet-fed mice.
Food science & nutrition , Volume: 7 Issue: 9 2019 Sep

Authors Lu F,Liu F,Zhou Q,Hu X,Zhang Y
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
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
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
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,Welsher 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 T,Jia Z,Symons JD,Shankar K,Anandh Babu PV

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 Akkermansia muciniphila, an emerging probiotics in the gut, evidence from dietary intervention studies.
Journal of functional foods , Volume: 33 2017 Jun
Authors Zhou K
Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development.
Anaerobe , Volume: 55 2019 Feb
Authors Velikonja A,Lipoglavšek L,Zorec M,Orel R,Avguštin G
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 Bacillus subtilis and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.
Frontiers in microbiology , Volume: 9 2018
Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X
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 Akkermansia muciniphila Population Modulated by Dietary Black Raspberries.
ACS omega , Volume: 3 Issue: 9 2018 Sep 30
Authors Tu P,Bian X,Chi L,Gao B,Ru H,Knobloch TJ,Weghorst CM,Lu K
The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease.
The Journal of pharmacology and experimental therapeutics , Volume: 367 Issue: 3 2018 Dec
Authors Lau WL,Vaziri ND,Nunes ACF,Comeau AM,Langille MGI,England W,Khazaeli M,Suematsu Y,Phan J,Whiteson K
Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.
Molecular nutrition & food research , Volume: 62 Issue: 22 2018 Nov
Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ
Probiotic Lactobacillus plantarum Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.
Frontiers in microbiology , Volume: 9 2018
Authors Wang J,Ji H,Wang S,Liu H,Zhang W,Zhang D,Wang Y
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 Bodt J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SO,Carbonero F
Lactobacillus plantarum LC27 and Bifidobacterium longum LC67 mitigate alcoholic steatosis in mice by inhibiting LPS-mediated NF-?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,Manservisi 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,Tepliuk 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-Sarrías A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC
Glyphosate based- herbicide exposure affects gut microbiota, anxiety and depression-like behaviors in mice.
Neurotoxicology and teratology , Volume: 67 2018 May - Jun
Authors Aitbali Y,Ba-M`hamed S,Elhidar N,Nafis A,Soraa N,Bennis M
Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.
Journal of applied microbiology , Volume: 125 Issue: 1 2018 Jul
Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K
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
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
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
Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.
Food & function , Volume: 8 Issue: 12 2017 Dec 13
Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J
The effects of iron fortification and supplementation on the gut microbiome and diarrhea in infants and children: a review.
The American journal of clinical nutrition , Volume: 106 Issue: Suppl 6 2017 Dec
Authors Paganini D,Zimmermann MB
Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes.
Food & function , Volume: 8 Issue: 12 2017 Dec 13
Authors Shang W,Si X,Zhou Z,Li Y,Strappe P,Blanchard C
High-Salt Diet Has a Certain Impact on Protein Digestion and Gut Microbiota: A Sequencing and Proteome Combined Study.
Frontiers in microbiology , Volume: 8 2017
Authors Wang C,Huang Z,Yu K,Ding R,Ye K,Dai C,Xu X,Zhou G,Li C
Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.
The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct
Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG
Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminal Microbiota in Dairy Cows Fed High-Grain Diets.

Frontiers in microbiology , Volume: 8 2017
Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B
Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.
International journal of molecular sciences , Volume: 18 Issue: 10 2017 Oct 4
Authors Medina DA,Pinto F,Ovalle A,Thomson P,Garrido D
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
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
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
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
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
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

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

Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.

Poultry science , Volume: 96 Issue: 5 2017 May 1

Authors Guo JR,Dong XF,Liu S,Tong JM

Fucosyllactose and L-fucose utilization of infant Bifidobacterium longum and Bifidobacterium kashiwanohense.

BMC microbiology , Volume: 16 Issue: 1 2016 Oct 26

Authors Bunesova V,Lacroix C,Schwab C

Oral supplementation of healthy adults with 2`-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.

The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct

Authors Elison E,Vigsnaes LK,Rindom Krogsgaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P

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 a-(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.

The Journal of biological chemistry , Volume: 291 Issue: 38 2016 Sep 16

Authors Ejby M,Fredslund F,Andersen JM,Vujicic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M

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

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,Moscati L,Onofri A,Lorenzetti

C,Franciosini 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

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,Gujska E,Kaczkowska J,Drozdzynska 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,Sahlstrøm 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,Yatsunenko 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

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 Shadnoush 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 Storia 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

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

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

Efficacy of Papacarie(®) in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.
Clinics (Sao Paulo, Brazil) , Volume: 69 Issue: 5 2014
Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MF

Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.
Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug
Authors Barroso E,Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez C,Martínez-Cuesta MC,Requena T

Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.
Food & function , Volume: 5 Issue: 6 2014 Jun
Authors Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G

Effects of Lactobacillus plantarum on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.
Canadian journal of microbiology , Volume: 60 Issue: 4 2014 Apr
Authors Shen X,Yi D,Ni X,Zeng D,Jing B,Lei M,Bian Z,Zeng Y,Li T,Xin J

Changes chemopreventive markers in colorectal cancer development after inulin supplementation.
Bratislavske lekarske listy , Volume: 115 Issue: 2 2014
Authors Hijova E,Szabadosova V,Strojny L,Bomba A

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 Barnesiella 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

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 a-gluco-oligosaccharide by faecal microbiota from lean and obese human subjects.
The British journal of nutrition , Volume: 109 Issue: 11 2013 Jun
Authors Sarbini SR,Kolida S,Gibson GR,Rastall RA

Effects of oat ß-glucan and barley ß-glucan on fecal characteristics, intestinal microflora, and intestinal bacterial metabolites in rats.
Journal of agricultural and food chemistry , Volume: 60 Issue: 45 2012 Nov 14
Authors Shen RL,Dang XY,Dong JL,Hu XZ

Gut microbiome composition is linked to whole grain-induced immunological improvements.
The ISME journal , Volume: 7 Issue: 2 2013 Feb
Authors Martínez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota.
Glycobiology , Volume: 23 Issue: 2 2013 Feb
Authors Yu ZT,Chen C,Kling DE,Liu B,McCoy JM,Merighi M,Heidtman M,Newburg DS

Effects of cereal ß-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
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 chitooligosaccharides on human colonic bacteria.
Folia microbiologica , Volume: 57 Issue: 4 2012 Jul
Authors Simunek J,Brandysová V,Koppová I,Simunek J Jr
Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.
The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr
Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM
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,Agis-Torres A,Hervert-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I
Influence of dietary blueberry and broccoli on cecal microbiota activity and colon morphology in mdr1a(-/-) mice, a model of inflammatory bowel diseases.
Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 28 Issue: 3 2012 Mar
Authors Paturi G,Mandimika T,Butts CA,Zhu S,Roy NC,McNabb WC,Ansell J
Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut.
Journal of agricultural and food chemistry , Volume: 59 Issue: 24 2011 Dec 28
Authors Vendrame S,Guglielmetti S,Riso P,Arioli S,Klimis-Zacas D,Porrini M
High-level dietary fibre up-regulates colonic fermentation and relative abundance of saccharolytic bacteria within the human faecal microbiota in vitro.
European journal of nutrition , Volume: 51 Issue: 6 2012 Sep
Authors Shen Q,Zhao L,Tuohy KM
Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.
Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15
Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C
Effect of banana consumption on faecal microbiota: a randomised, controlled trial.

Anaerobe , Volume: 17 Issue: 6 2011 Dec
Authors Mitsou EK,Kougia E,Nomikos T,Yannakoulia M,Mountzouris KC,Kyriacou A
Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.
Poultry science , Volume: 90 Issue: 3 2011 Mar
Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A
The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote d'Ivoire.
The American journal of clinical nutrition , Volume: 92 Issue: 6 2010 Dec
Authors Zimmermann MB,Chassard C,Rohner F,N'goran EK,Nindjin C,Dostal A,Utzinger J,Ghattas H,Lacroix C,Hurrell RF
In vitro evaluation of the microbiota modulation abilities of different sized whole oat grain flakes.
Anaerobe , Volume: 16 Issue: 5 2010 Oct
Authors Connolly ML,Lovegrove JA,Tuohy KM
Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.
Journal of animal science , Volume: 88 Issue: 9 2010 Sep
Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr
The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota.
International journal of food microbiology , Volume: 140 Issue: 2-3 2010 Jun 15
Authors Bialonska D,Ramnani P,Kasimsetty SG,Muntha KR,Gibson GR,Ferreira D
Low levels of faecal lactobacilli in women with iron-deficiency anaemia in south India.
The British journal of nutrition , Volume: 104 Issue: 7 2010 Oct
Authors Balamurugan R,Mary RR,Chittaranjan S,Jancy H,Shobana Devi R,Ramakrishna BS
Consumption of human milk oligosaccharides by gut-related microbes.
Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12
Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA
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
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,Flourié 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

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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Abdominal Aortic Aneurysm
Acne
Addison's Disease (hypocortisolism)
ADHD
Age-Related Macular Degeneration and Glaucoma
Allergic Rhinitis (Hay Fever)
Allergies
Allergy to milk products
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron
Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Atrial fibrillation
Autism
Autoimmune Disease

Barrett esophagus cancer
benign prostatic hyperplasia
Biofilm
Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
cdkl5 deficiency disorder
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure

Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
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