

Microbiome Information for: Chronic Kidney Disease

For prescribing Medical professionals Review

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

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

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

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

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

In the USA

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

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Chronic Kidney Disease

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

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Enterobacteriaceae	family	High	543	Parabacteroides	genus	High	375288
Erysipelotrichaceae	family	High	128827	Prevotella	genus	High	838
Halomonadaceae	family	High	28256	Romboutsia	genus	Low	1501226
Lachnospiraceae	family	Low	186803	Roseburia	genus	Low	841
Lactobacillaceae	family	Low	33958	Ruminiclostridium	genus	High	1508657
Moraxellaceae	family	High	468	Scardovia	genus	High	196081
Porphyromonadaceae	family	High	171551	Shigella	genus	High	620
Prevotellaceae	family	Low	171552	Subdoligranulum	genus	Low	292632
Pseudomonadaceae	family	High	135621	Thiothrix	genus	High	1030
Akkermansia	genus	Low	239934	Tyzzereella	genus	Low	1506577
Bacteroides	genus	High	816	Veillonella	genus	High	29465
Bilophila	genus	Low	35832	Weissella	genus	High	46255
Brachybacterium	genus	High	43668	[Clostridium] innocuum	species	High	1522
Butyrivibrio	genus	Low	580596	[Ruminococcus] lactaris	species	Low	46228
Camobacterium	genus	Low	2747	[Ruminococcus] torques	species	High	33039
Catenibacterium	genus	High	135858	Agathobacter rectalis	species	Low	39491
Coprococcus	genus	Low	33042	Bacteroides caccae	species	High	47678
Dialister	genus	Low	39948	Bacteroides eggerthii	species	High	28111
Dielma	genus	High	1472649	Bacteroides stercoris	species	Low	46506
Dorea	genus	High	189330	Butyrivibrio crossotus	species	Low	45851
Eggerthella	genus	High	84111	Clostridioides difficile	species	High	1496
Erysipelatoclostridium	genus	High	1505663	Coprococcus catus	species	High	116085
Escherichia	genus	High	561	Eubacterium coprostanoligenes	species	High	290054
Flavonifractor	genus	High	946234	Faecalibacterium prausnitzii	species	Low	853
Holdemanella	genus	High	1573535	Flavobacteriaceae bacterium	species	High	1871037
Klebsiella	genus	High	570	Francisella tularensis	species	Low	263
Lachnoclostridium	genus	Low	1506553	Lachnospiraceae bacterium	species	Low	1898203
Lachnospira	genus	Low	28050	Listeria monocytogenes	species	High	1639
Lactobacillus	genus	Low	1578	Mediterraneibacter gnavus	species	High	33038
Megamonas	genus	High	158846	Oxalobacter formigenes	species	High	847
Nesterenkonia	genus	High	57494	Prevotella sp.	species	Low	59823
Oscillibacter	genus	High	459786	Roseburia inulinivorans	species	Low	360807

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.

D-glucose {Glucose}

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements} 400 mg/day

High glycemic diet {High-sugar diet (HSD)}

High-protein diet {Atkins low-carbohydrate diet}

ketogenic diet

N-(phosphonomethyl)glycine {glyphosate}

proton-pump inhibitors (prescription) 60 mg/day

Sleep apnea {partial sleep deprivation}

Sodium Fluoride {Toothpaste fluoride}

Sucralose {Splenda} 340 mg/day

Tobacco consumption {Smoking}

Substance to Consider Reducing or Eliminating

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

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

(2->1)-beta-D-fructofuranan {Inulin}	Lactocaseibacillus rhamnosus {L. rhamnosus}
3,3',4',5,7-pentahydroxyflavone {Quercetin}	lactobacillus acidophilus {L. acidophilus}
Avena sativa x Hordeum vulgare {barley,oat}	Lactobacillus plantarum {L. plantarum}
bacillus	lactobacillus rhamnosus gg.bifidobacterium animalis lactis
bacillus subtilis {B.Subtilis }	,lactobacillus paracasei {cvs maximum strength probiotic}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Limosilactobacillus fermentum {L. fermentum}
bifidobacterium longum {B.Longum }	Limosilactobacillus reuteri {L. Reuteri}
Bovine Milk Products {Dairy}	long-term, moderate-intensity exercise {exercise}
ciprofloxacin [CFS]	oligosaccharides {oligosaccharides}
Clostridium butyricum MIYAIRI 588 {Miyarisan}	origanum vulgare {oregano}
dietary fiber	Panax ... {Ginseng}
Diferuloylmethane {Curcumin}	pectin {pectin}
enterococcus faecium {E. faecium}	polyphenols
Fiber, total dietary	Probiotic Mixture 1 {Japanese Vet Probiotic}
fruit	Probiotic Mixture 2 {Vetafarm Probiotic}
fruit/legume fibre	Saccharomyces cerevisiae var boulardii {S. boulardii}
gentamicin	Slow digestible carbohydrates. {Low Glycemic}
Hordeum vulgare {Barley}	Thymus vulgaris {thyme}
imipenem	walnuts
Lactocaseibacillus casei {L. casei}	wheat
Lactocaseibacillus paracasei {L.paracasei}	whole-grain diet
	yogurt

Sample of Literature Used

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

Genetic Evidence for the Causal Relationship Between Gut Microbiota and Diabetic Kidney Disease: A Bidirectional, Two-Sample Mendelian Randomisation Study.

Journal of diabetes research , Volume: 2024 2024

Authors Zhang Y,Zhao L,Jia Y,Zhang X,Han Y,Lu P,Yuan H

Exploring the potential link between gut microbiota and chronic kidney disease in causality: A 2-sample Mendelian randomization study.

Medicine , Volume: 103 Issue: 43 2024 Oct 25

Authors Zhang WW,Huo JL,Xiao MD,Xu YJ,Zhou J

The compositional and functional imbalance of the gut microbiota in CKD linked to disease patterns.

Journal of translational medicine , Volume: 22 Issue: 1 2024 Aug 16

Authors Li J,Shen Y,Yan K,Wang S,Jiao J,Chi H,Zhong JC,Dong Y,Wang P

Longitudinal Pilot Evaluation of the Gut Microbiota Comparing Patients With and Without Chronic Kidney Disease.

Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation , Volume: 34 Issue: 4 2024 Jul

Authors Pourafshar S,Sharma B,Allen J,Hoang M,Lee H,Dressman H,Tyson CC,Mallawaarachchi I,Kumar P,Ma JZ,Lin PH,Scialla JJ

Slight Changes in the Gut Microbiome in Early-stage Chronic Kidney Disease of Unknown Etiology.

Microbes and environments , Volume: 38 Issue: 3 2023

Authors Banjong D,Pongking T,Tran NTD,Pinlaor S,Dangtakot R,Intuyod K,Anutrakulchai S,Cha'on U,Pinlaor P

Metagenomic profiling of gut microbiome in early chronic kidney disease.

Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association

- European Renal Association , Volume: 36 Issue: 9 2021 Aug 27

Authors Sato N,Kakuta M,Hasegawa T,Yamaguchi R,Uchino E,Murashita K,Nakaji S,Imoto S,Yanagita M,Okuno Y

The Association between Gut Microbiota and Uremia of Chronic Kidney Disease.

Microorganisms , Volume: 8 Issue: 6 2020 Jun 16

Authors Kim JE,Kim HE,Park JJ,Cho H,Kwak MJ,Kim BY,Yang SH,Lee JP,Kim DK,Joo KW,Kim YS,Kim BS,Lee H

Integrative metagenomic and metabolomic analyses reveal severity-specific signatures of gut microbiota in chronic kidney disease.

Theranostics , Volume: 10 Issue: 12 2020

Authors Wu IW,Gao SS,Chou HC,Yang HY,Chang LC,Kuo YL,Dinh MCV,Chung WH,Yang CW,Lai HC,Hsieh WP,Su SC

Association of subjective global assessment of nutritional status with gut microbiota in hemodialysis patients: a case-control study.

Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association

- European Renal Association , Volume: 36 Issue: 6 2021 May 27

Authors Lin TY,Hung SC

The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease.

The Journal of pharmacology and experimental therapeutics , Volume: 367 Issue: 3 2018 Dec

Authors Lau WL,Vaziri ND,Nunes ACF,Comeau AM,Langille MG,England W,Khazaeli M,Suematsu Y,Phan J,Whiteson K

Altered gut microbiota and microbial biomarkers associated with chronic kidney disease.

MicrobiologyOpen , 2018 Aug 7

Authors Lun H,Yang W,Zhao S,Jiang M,Xu M,Liu F,Wang Y

High Mortality Risk in Chronic Kidney Disease and End Stage Kidney Disease Patients with Clostridium Difficile Infection: A Systematic Review and Meta-analysis.

Journal of nature and science , Volume: 1 Issue: 4 2015 Apr

Authors Thongprayoon C,Cheungpasitporn W,Phatharacharukul P,Mahaparn P,Bruminhent J

Is there interaction between gut microbial profile and cardiovascular risk in chronic kidney disease patients?

Future microbiology , Volume: 10 Issue: 4 2015

Authors Barros AF,Borges NA,Ferreira DC,Carmo FL,Rosado AS,Fouque D,Mafra D

The relationship between colonization of Oxalobacter formigenes serum oxalic acid and endothelial dysfunction in hemodialysis patients: from impaired colon to impaired endothelium.

Medical hypotheses , Volume: 84 Issue: 3 2015 Mar

Authors Turkmen K,Erdur FM

Chronic kidney disease alters intestinal microbial flora.

Kidney international , Volume: 83 Issue: 2 2013 Feb

Authors Vaziri ND,Wong J,Pahl M,Piceno YM,Yuan J,DeSantis TZ,Ni Z,Nguyen TH,Andersen GL

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

International journal of biological macromolecules , 2025 May 6

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

Inulin Modulates Gut Microbiota and Increases Short-Chain Fatty Acids Levels to Inhibit Colon Tumorigenesis in Rat Models: A Systematic Review and Meta-Analysis.

Journal of food science , Volume: 90 Issue: 5 2025 May

Authors Yu Y,He J,Fu H,Mi Y,Wu H,Gao Y,Li M

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

Frontiers in nutrition , Volume: 12 2025

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

Inulin Diet Alleviates Abdominal Aortic Aneurysm by Increasing Akkermansia and Improving Intestinal Barrier.

Biomedicines , Volume: 13 Issue: 4 2025 Apr 9

Authors Guo S,Yang F,Zhang J,Liao Y,Xia N,Tang T,Wang C,Wang QK,Chen C,Hu D,Shan Z,Cheng X

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

Microorganisms , Volume: 13 Issue: 4 2025 Apr 7

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

Effect of a 24-week supervised concurrent exercise intervention on fecal microbiota diversity and composition in young sedentary adults: The ACTIBATE randomized controlled trial.

Clinical nutrition (Edinburgh, Scotland) , Volume: 49 2025 Apr 15

Authors Martinez-Tellez B,Xu H,Ortiz-Alvarez L,Rodríguez-García C,Schönke M,Jurado-Fasoli L,Osuna-Prieto FJ,Alcantara JMA,Acosta FM,Amaro-Gahete FJ,Folkerts G,Vilchez-Vargas R,Link A,Plaza-Diaz J,Gil A,Labayen I,Fernandez-Veledo S,Rensen PCN,Ruiz JR

Alcohol exposure alters the diversity and composition of oral microbiome.

Frontiers in cellular and infection microbiology , Volume: 15 2025

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

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

Bioresource technology , 2025 Apr 12

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

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

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

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

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

Frontiers in microbiology , Volume: 16 2025

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

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

Alleviation effects of Lactobacillus plantarum in colitis aggravated by a high-salt diet depend on intestinal barrier protection, NF- κ B pathway regulation, and oxidative stress improvement.

Food & function , 2025 Mar 20

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

Behavioral alterations in antibiotic-treated mice associated with gut microbiota dysbiosis: insights from 16S rRNA and metabolomics.

Frontiers in neuroscience , Volume: 19 2025

Authors Bibi A,Zhang F,Shen J,Din AU,Xu Y

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

Probiotics and antimicrobial proteins , 2025 Feb 26

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

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

Food & function , 2025 Feb 25

Authors Cortijo-Alfonso ME,Laghouchaouta H,Pena RN,Martínez M,Yuste S,Rubió-Piqué L,Piñol-Felis C
Correlation between daily physical activity and intestinal microbiota in perimenopausal women.

Sports medicine and health science , Volume: 7 Issue: 3 2025 May

Authors Zheng Y,Ke J,Song J,Li X,Kuang R,Wang H,Li S,Li Y

Effect of dietary supplementation of Bacillus subtilis QST 713 on constipation, reproductive performance and offspring growth performance of sows.

Animal reproduction science , Volume: 274 2025 Mar

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

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

Nutrients , Volume: 17 Issue: 3 2025 Feb 2

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

Lactobacillus fermentum O16 Alleviates Mice Colitis by Modulating Oxidative Stress, Gut Microbiota, and Microbial Metabolism.

Nutrients , Volume: 17 Issue: 3 2025 Jan 26

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

Protective Potential of Limosilactobacillus fermentum Strains and Their Mixture on Inflammatory Bowel Disease via Regulating Gut Microbiota in Mice.

Journal of microbiology and biotechnology , Volume: 35 2024 Dec 10

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

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

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

Authors Li L,Yang L,Liu M

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

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

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

Curcumin Mitigates Gut Dysbiosis and Enhances Gut Barrier Function to Alleviate Metabolic Dysfunction in Obese, Aged Mice.

Biology , Volume: 13 Issue: 12 2024 Nov 21

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

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

Fecal Metaproteomics as a Tool to Monitor Functional Modifications Induced in the Gut Microbiota by Ketogenic Diet: A Case Study.

Proteomics , 2025 Jan 5

Authors Tanca A,Masia S,Giustacchini P,Uzzau S

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

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

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

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

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

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

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

Poultry science , Volume: 104 Issue: 2 2025 Feb

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

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

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

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

Impact of cigarette smoking on gut microbial dysbiosis: a structured literature review.

Gut microbiome (Cambridge, England) , Volume: 5 2024

Authors Imade EE,Obayagbona NO

Gut Microbiota: Association with Fiber Intake, Ultra-Processed Food Consumption, Sex, Body Mass Index, and Socioeconomic Status in Medical Students.

Nutrients , Volume: 16 Issue: 23 2024 Dec 9

Authors Moreno-Altamirano L,Robles-Rivera K,Castelán-Sánchez HG,Vaca-Paniagua F,Iñarritu Pérez MDC,Hernández-Valencia SE,Cruz-Casarrubias C,García-García JJ,Ruiz de la Cruz M,Martínez-Gregorio H,Díaz Velásquez CE,Soto-Estrada G,Navarro-Ocaña A,Carrillo-Medina S

Clinical Efficacy of Probiotics for Allergic Rhinitis: Results of an Exploratory Randomized Controlled Trial.

Nutrients , Volume: 16 Issue: 23 2024 Nov 30

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

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

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

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

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

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

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

Investigating the properties and antibacterial, antioxidant, and cytotoxicity activity of postbiotics derived from Lactocaseibacillus casei on various gastrointestinal pathogens in vitro and in food models.

GMS hygiene and infection control , Volume: 19 2024

Authors Asadi Z,Abbasi A,Ghaemi A,Montazeri EA,Akrami S

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

Food chemistry , Volume: 468 2025 Mar 15

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

Wheat β -glucan reduces obesity and hyperlipidemia in mice with high-fat and high-salt diet by regulating intestinal flora.

International journal of biological macromolecules , Volume: 288 2025 Feb

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

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

Phytotherapy research : PTR , 2024 Dec 11

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

Limosilactobacillus Fermentum ZS09 Can Improve Antibiotic-Induced Motor Dysfunction in Mice by Regulating the Brain-Gut Functions.

Journal of inflammation research , Volume: 17 2024

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

Altered interaction network in the gut microbiota of current cigarette smokers.

Engineering microbiology , Volume: 4 Issue: 2 2024 Jun

Authors Zhu Z,Wang M,Guan Y,Li M,Peng Q,Zheng N,Ma W

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

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

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

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

Anaerobe , Volume: 91 2024 Nov 26

Authors Kodera M,Nakamura K,Yokoyama S

Generalized Ketogenic Diet Induced Liver Impairment and Reduced Probiotics Abundance of Gut Microbiota in Rat.

Biology , Volume: 13 Issue: 11 2024 Nov 4

Authors Song G,Song D,Wang Y,Wang L,Wang W

Probiotic-Loaded Bacterial Cellulose as an Alternative to Combat Carbapenem-Resistant Bacterial Infections.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 11 2024 Oct 25

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

Lactocaseibacillus rhamnosus LRa05 alleviates cyclophosphamide-induced immunosuppression and intestinal microbiota disorder in mice.

Journal of food science , Volume: 89 Issue: 12 2024 Dec

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

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

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

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

Improvement and Recovery of Intestinal Flora Disorder Caused by Ciprofloxacin Using Lactic Acid Bacteria.

Probiotics and antimicrobial proteins , 2024 Nov 20

Authors Su X,Su L,Cao M,Sun Y,Dai J,He Y,Li W,Ge W,Lv X,Zhang Q,Cui S,Chen J,Yang B

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

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

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

Daily intake of a dairy-based nutritional supplement improved self-reported gastrointestinal symptoms and modulated microbiota in adult Chinese volunteers.

Scientific reports , Volume: 14 Issue: 1 2024 Nov 19

Authors Borewicz K,Zhao Y,Zhu Y

Limosilactobacillus fermentum KBL674 Alleviates Vaginal Candidiasis.

Probiotics and antimicrobial proteins , 2024 Nov 19

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

Bifidobacterium longumBL-19 inhibits oxidative stress and inflammatory damage in the liver of mice with NAFLD by regulating the production of butyrate in the intestine.

Food science & nutrition , Volume: 12 Issue: 9 2024 Sep

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

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

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

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

Protective effect of a newly probiotic Lactobacillus reuteri LY2-2 on DSS-induced colitis.

European journal of nutrition , Volume: 64 Issue: 1 2024 Nov 15

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

High barley intake in non-obese individuals is associated with high natto consumption and abundance of butyrate-producing bacteria in the gut: a cross-sectional study.

Frontiers in nutrition , Volume: 11 2024

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

Timing Matters: Late, but Not Early, Exercise Training Ameliorates MASLD in Part by Modulating the Gut-Liver Axis in Mice.

Journal of pineal research , Volume: 76 Issue: 8 2024 Dec

Authors Kovynev A,Ying Z,Zhang S,Olgjati E,Lambooj JM,Visentin C,Guigas B,Ducarmon QR,Rensen PCN,Schönke M

Six months of different exercise type in sedentary primary schoolchildren: impact on physical fitness and saliva microbiota composition.

Frontiers in nutrition , Volume: 11 2024

Authors Mancini A,Vitucci D,Lasorsa VA,Lupo C,Brustio PR,Capasso M,Orrù S,Rainoldi A,Schena F,Buono P

A Novel Synbiotic Protects Against DSS-Induced Colitis in Mice via Anti-inflammatory and Microbiota-Balancing Properties.

Probiotics and antimicrobial proteins , 2024 Nov 7

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

Pediococcus pentosaceus RC007 and Saccharomyces boulardii RC009 as antibiotic alternatives for gut health in post-weaning pigs.

Journal of applied microbiology , 2024 Nov 5

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

Microbiota-Focused Dietary Approaches to Support Health: A Systematic Review.

The Journal of nutrition , Volume: 155 Issue: 2 2025 Feb

Authors Hindle VK,Veasley NM,Holscher HD

Pectin from comfrey roots alleviate DSS-induced ulcerative colitis in mice through modulating the intestinal barrier.

International journal of biological macromolecules , Volume: 282 Issue: Pt 3 2024 Oct 29

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

Gastroprotective effects of Pediococcus acidilactici GKA4 and Lactobacillus brevis GKL93 against ethanol-induced gastric ulcers via regulation of the immune response and gut microbiota in mice.

Food & function , Volume: 15 Issue: 23 2024 Nov 25

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

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

Oregano essential oil and Bacillus subtilis role in enhancing broiler's growth, stress indicators, intestinal integrity, and gene expression under high stocking density.

Scientific reports , Volume: 14 Issue: 1 2024 Oct 25

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

Asymptomatic enteric pathogen carriage and its association with proton pump inhibitors use in men who have sex with men in Taiwan, 2019-2022

International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases , Volume: 149 2024 Oct 22

Authors Tsai CS,Lee NY,Chen PL,Chen SY,Lin YJ,Tsai PF,Tsai HP,Wang JL,Ko WC

The effect of antibiotics on the intestinal microbiota in children - a systematic review.

Frontiers in allergy , Volume: 5 2024

Authors Wurm J,Curtis N,Zimmermann P

Lactacaseibacillus paracasei NCU-04 relieves constipation and the depressive-like behaviors induced by loperamide in mice through the microbiome-gut-brain axis.

Current research in food science , Volume: 9 2024

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

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

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

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

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

Salivary microbiota composition before and after use of proton pump inhibitors in patients with laryngopharyngeal reflux: a self-control study.

BMC oral health , Volume: 24 Issue: 1 2024 Oct 8

Authors Cui X,Yin L,Zhang Y,Jiang X,Li L,Bi X

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

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

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

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

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

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

Lactobacillus acidophilus CICC 6075 attenuates high-fat diet-induced obesity by improving gut microbiota composition and histidine biosynthesis.

Bioscience of microbiota, food and health , Volume: 43 Issue: 4 2024

Authors Zhang S,Yang S,Zhuang Y,Yang D,Gu X,Wang Y,Wang Z,Chen R,Yan F

Garlic Bioconverted by Bacillus subtilis Stimulates the Intestinal Immune System and Modulates Gut Microbiota Composition.

Molecular nutrition & food research , Volume: 68 Issue: 20 2024 Oct

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

Alginate Oligosaccharides Enhance Gut Microbiota and Intestinal Barrier Function, Alleviating Host Damage Induced by Deoxynivalenol in Mice.

The Journal of nutrition , Volume: 154 Issue: 11 2024 Nov

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

Gastrointestinal microbiota and metabolites responses to dietary cereal grains in an adult pig model.

Frontiers in microbiology , Volume: 15 2024

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

Combination of Lactiplantibacillus Plantarum ELF051 and Astragalus Polysaccharides Improves Intestinal Barrier Function and Gut Microbiota Profiles in Mice with Antibiotic-Associated Diarrhea.

Probiotics and antimicrobial proteins , 2024 Oct 1

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

Barley β -glucan consumption improves glucose tolerance by increasing intestinal succinate concentrations.

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

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

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

Frontiers in nutrition , Volume: 11 2024

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

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

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

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

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

Nutrients , Volume: 16 Issue: 18 2024 Sep 14

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

Study on the Therapeutic Effects and Mechanisms of Gintonin in Irritable Bowel Syndrome and Its Relationship with TRPV1, TRPV4, and NaV1.5.

Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 9 2024 Sep 4

Authors Choi NR,Ko SJ,Nam JH,Choi WG,Lee JH,Nah SY,Park JW,Kim BJ

Impacts of Whole-Grain Soft Red, Whole-Grain Soft White, and Refined Soft White Wheat Flour Crackers on Gastrointestinal Inflammation and the Gut Microbiota of Adult Humans.

Biology , Volume: 13 Issue: 9 2024 Aug 30

Authors Kinney GA,Haddad EN,Gopalakrishnan N,Sugino KY,Garrow LS,Ng PKW,Comstock SS

Determinants of raffinose family oligosaccharide use in Bacteroides species.

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

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

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

PloS one , Volume: 19 Issue: 9 2024

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

In vitro and ex vivo metabolism of chemically diverse fructans by bovine rumen Bifidobacterium and Lactobacillus species.

Animal microbiome , Volume: 6 Issue: 1 2024 Sep 9

Authors King ML,Xing X,Reintjes G,Klassen L,Low KE,Alexander TW,Waldner M,Patel TR,Wade Abbott D

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

PloS one , Volume: 19 Issue: 9 2024

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

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

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

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

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

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

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

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

Effects of Physical Exercise on the Microbiota in Irritable Bowel Syndrome.

Nutrients , Volume: 16 Issue: 16 2024 Aug 11

Authors Li C,Li J,Zhou Q,Wang C,Hu J,Liu C

Effect of Saccharomyces boulardii on Liver Diseases: A Systematic Review.

Microorganisms , Volume: 12 Issue: 8 2024 Aug 15

Authors Maslennikov R,Benuni N,Levshina A,Adzhieva F,Demina T,Kucher A,Pervushova E,Yuryeva E,Poluektova E,Zolnikova O,Kozlov E,Sigidaev A,Ivashkin V

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

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

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

Gut microbiome related to metabolic diseases after moderate-to-vigorous intensity exercise.

Journal of exercise science and fitness , Volume: 22 Issue: 4 2024 Oct

Authors Yun S,Seo Y,Lee Y,Lee DT

Role and mechanism of Lactobacillus casei in the modulation of alcohol preference in mice.

International immunopharmacology , Volume: 141 2024 Nov 15

Authors Li Y,Yang J,Guo L

Epicatechin and β -glucan from whole highland barley grain ameliorates hyperlipidemia associated with attenuating intestinal barrier dysfunction and modulating gut microbiota in high-fat-diet-fed mice.

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

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

Yeast mixture supplementation modulates faecal microbiota and ileum morphology of weaning pigs.

Animal : an international journal of animal bioscience , Volume: 18 Issue: 9 2024 Sep

Authors Sandrini S,Perricone V,Cremonesi P,Castiglioni B,Biscarini F,Verdile N,Brevini T,Comi M,Jiang X,Agazzi A

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

Oxidative medicine and cellular longevity , Volume: 2024 2024

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

Effects of varying wheat levels on growth performance, intestinal barrier, and cecal microbiota of broilers.

Frontiers in veterinary science , Volume: 11 2024

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

Alginate Oligosaccharides Enhance Antioxidant Status and Intestinal Health by Modulating the Gut Microbiota in Weaned Piglets.

International journal of molecular sciences , Volume: 25 Issue: 15 2024 Jul 23

Authors Liu M,Deng X,Zhao Y,Everaert N,Zhang H,Xia B,Schroyen M

The alleviative effects of viable and inactive Lactobacillus paracasei CCFM1120 against alcoholic liver disease via modulation of gut microbiota and the Nrf2/HO-1 and TLR4/MyD88/NF- κ B pathways.

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

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

Postbiotics from Saccharomyces cerevisiae fermentation stabilize microbiota in rumen liquid digesta during grain-based subacute ruminal acidosis (SARA) in lactating dairy cows.

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

Authors Guo J,Zhang Z,Guan LL,Yoon I,Plaizier JC,Khafipour E

Exploring the anti-inflammatory effects of postbiotic proteins from Lactobacillus delbrueckii CIDCA 133 on inflammatory bowel disease model.

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

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

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

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

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

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

Microorganisms , Volume: 12 Issue: 7 2024 Jul 6

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

The Contrasting Effects of Two Distinct Exercise Training Modalities on Exhaustive Exercise-Induced Muscle Damage in Mice May Be Associated with Alterations in the Gut Microbiota.

International journal of molecular sciences , Volume: 25 Issue: 14 2024 Jul 17

Authors Zhang Y,Wang C,Lang H,Yu H,Zhou M,Rao X,Zhang Q,Yi L,Zhu J,Mi M

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

Food & function , 2024 Jul 24

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

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

International journal of obesity (2005) , 2024 Jul 20

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

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

Journal of thermal biology , Volume: 123 2024 Jul

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

A 90-day subchronic exposure to heated tobacco product aerosol caused differences in intestinal inflammation and microbiome dysregulation in rats.

Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco , 2024 Jul 19

Authors Tian Y,Cheng J,Yang Y,Wang H,Fu Y,Li X,Wang W,Ma S,Xu X,Lu F,Feng P,Han S,Chen H,Hou H,Hu Q,Wu C

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

Food & function , 2024 Jul 19

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

Aging Modulates the Effect of Dietary Glycemic Index on Gut Microbiota Composition in Mice.

The Journal of nutrition , Volume: 154 Issue: 9 2024 Sep

Authors Zhu Y,Yeo EN,Smith KM,Greenberg AS,Rowan S

Modulation of Human Gut Microbiota In Vitro by Inulin-Type Fructan from Codonopsis pilosula Roots.

Indian journal of microbiology , Volume: 64 Issue: 2 2024 Jun

Authors Li J,Cao L, Ji J, Shen M, Gao J

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

Nature reviews. Microbiology , 2024 Jul 15

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

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

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

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

Barley polysaccharides inhibit colorectal cancer by two relatively independent pathways.

International journal of biological macromolecules , Volume: 277 Issue: Pt 3 2024 Oct

Authors Zhang C,Li L,Lin J,Luo J,Liu L,Peng X

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

Nutrients , Volume: 16 Issue: 13 2024 Jul 4

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

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

Nutrients , Volume: 16 Issue: 13 2024 Jun 24

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

The Effect of the Lactocaseibacillus paracasei BEPC22 and Lactiplantibacillus plantarum BLP53 Combination (BN-202M) on Body Fat Percentage Loss in Overweight Individuals: A Randomized, Double-Blind, Placebo-Controlled Study.

Nutrients , Volume: 16 Issue: 13 2024 Jun 23

Authors Kwon HS,Kim SJ,Shin KJ,Kim S,Yun J,Bae J,Tak HJ,Lee NR,Kim HJ

Sucralose Influences the Productive Performance, Carcass Traits, Blood Components, and Gut Microflora Using 16S rRNA Sequencing of Growing APRI-Line Rabbits.

Animals : an open access journal from MDPI , Volume: 14 Issue: 13 2024 Jun 29

Authors El-Tahan HM,Elmasry ME,Madian HA,Alhimaidi AR,Kim IH,Park JH,El-Tahan HM

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

The role of bound polyphenols in the anti-obesity effects of defatted rice bran insoluble dietary fiber: An insight from multi-omics.

Food chemistry , Volume: 459 2024 Nov 30

Authors Zheng B,Zhao X,Ao T,Chen Y,Xie J,Gao X,Liu L,Hu X,Yu Q

Curcumin-based residue-free and reusable photodynamic inactivation system for liquid foods and its application in freshly squeezed orange juice.

Food chemistry , Volume: 458 2024 Nov 15

Authors Liu Y,Li Y,Shao C,Wang P,Wang X,Li R

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

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

Authors Aktas B,Aslim B,Ozdemir DA

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

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

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

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

Probiotics and antimicrobial proteins , 2024 Jul 2

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

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

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

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

Metagenomic and metabolomic analysis showing the adverse risk-benefit trade-off of the ketogenic diet.

Lipids in health and disease , Volume: 23 Issue: 1 2024 Jun 29

Authors Qiu H,Kan C,Han F,Luo Y,Qu N,Zhang K,Ma Y,Hou N,Wu D,Sun X,Shi J

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

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

Frontiers in microbiology , Volume: 15 2024

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

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

Animal bioscience , Volume: 37 Issue: 12 2024 Dec

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

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

Animal bioscience , Volume: 37 Issue: 11 2024 Nov

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

Quercetin Alleviates Insulin Resistance and Repairs Intestinal Barrier in db/db Mice by Modulating Gut Microbiota.

Nutrients , Volume: 16 Issue: 12 2024 Jun 14

Authors Yuan M,Sun T,Zhang Y,Guo C,Wang F,Yao Z,Yu L

Oral Administration of Lactobacillus acidophilus LA5 Prevents Alveolar Bone Loss and Alters Oral and Gut Microbiomes in a Murine Periodontitis Experimental Model.

Microorganisms , Volume: 12 Issue: 6 2024 May 24

Authors Cataruci ACS,Kawamoto D,Shimabukuro N,Ishikawa KH,Ando-Sugimoto ES,Ribeiro RA,Nicastro GG,Albuquerque-Souza E,de Souza RF,Mayer MPA

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

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

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

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

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

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

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

Metabolites , Volume: 14 Issue: 6 2024 May 29

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

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

Meat science , Volume: 216 2024 Oct

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

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

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

Authors Chen HW,Yu YH

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

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

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

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

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

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

Bacillus subtilis SF106 and Bacillus clausii SF174 spores reduce the inflammation and modulate the gut microbiota in a colitis model.

Beneficial microbes , Volume: 15 Issue: 4 2024 Jun 14

Authors Vittoria M,Horwell E,Bastoni D,Saggese A,Baccigalupi L,Cutting SM,Ricca E

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

Frontiers in nutrition , Volume: 11 2024

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

Amelioration of walnut, peony seed and camellia seed oils against D-galactose-induced cognitive impairment in mice by regulating gut microbiota.

Food & function , Volume: 15 Issue: 13 2024 Jul 1

Authors Kang T,Zheng J,Jiang C,Jin L,Li C,Chen B,Shen Y

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

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

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

Intervention with fructooligosaccharides, Saccharomyces boulardii, and their combination in a colitis mouse model.

Frontiers in microbiology , Volume: 15 2024

Authors Wu Y,Fu H,Xu X,Jin H,Kao QJ,Teng WL,Wang B,Zhao G,Pi XE

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

Probiotics and antimicrobial proteins , 2024 Jun 3

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

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

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

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

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

Microbiological research , Volume: 285 2024 Aug

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

Smoking induced salivary microbiome dysbiosis and is correlated with lipid biomarkers.

BMC oral health , Volume: 24 Issue: 1 2024 May 25

Authors Mohammed LI,Razali R,Zakaria ZZ,Benslimane FM,Cyprian F,Al-Asmakh M

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

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

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

Comparative study the alleviated effects of various oligosaccharides on colitis in mice.

International immunopharmacology , Volume: 135 2024 Jun 30

Authors Wang L,Pan Y,Zhang X,Ren X

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

Nutrients , Volume: 16 Issue: 10 2024 May 15

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

Exercise Affects Mucosa-Associated Microbiota and Colonic Tumor Formation Induced by Azoxymethane in High-Fat-Diet-Induced Obese Mice.

Microorganisms , Volume: 12 Issue: 5 2024 May 9

Authors Yo S,Matsumoto H,Gu T,Sasahira M,Oosawa M,Handa O,Umegaki E,Shiotani A

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

Transcriptomic and proteomic analysis of the virulence inducing effect of ciprofloxacin on enterohemorrhagic Escherichia coli.

PloS one , Volume: 19 Issue: 5 2024

Authors Kijewski ACR,Witsø IL,Sundaram AYM,Brynildsrud OB,Pettersen K,Anonsen EB,Anonsen JH,Aspholm ME

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

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

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

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

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

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

Effects of fructooligosaccharides and Saccharomyces boulardii on the compositional structure and metabolism of gut microbiota in students.

Microbiological research , Volume: 285 2024 Aug

Authors Fu H,Chen Z,Teng W,Du Z,Zhang Y,Ye X,Yu Z,Zhang Y,Pi X

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

Poultry science , Volume: 103 Issue: 7 2024 Jul

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

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

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

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

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

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

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

The impact of exercise on the gut microbiota in middle-aged amateur serious runners: a comparative study.

Frontiers in physiology , Volume: 15 2024

Authors Duan R,Liu Y,Zhang Y,Shi J,Xue R,Liu R,Miao Y,Zhou X,Lv Y,Shen H,Xie X,Ai X

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

Frontiers in veterinary science , Volume: 11 2024

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

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

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

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

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

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

Food & function , 2024 May 10

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

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

Microbial biotechnology , Volume: 17 Issue: 5 2024 May

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

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

Probiotics and antimicrobial proteins , 2024 May 9

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

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

Current research in food science , Volume: 8 2024

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

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

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

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

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

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

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

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

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

Authors Pérez-Valero Á, Magadán-Corpas P, Ye S, Serna-Diestro J, Sordon S, 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

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

Microorganisms , Volume: 12 Issue: 4 2024 Mar 26

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

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

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

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

Inulin has a beneficial effect by modulating the intestinal microbiome in a BALB/c mouse model.

Beneficial microbes , Volume: 14 Issue: 4 2023 Sep 1

Authors Zhu Z, Hu C, Liu Y, Wang F, Zhu B

Antiaging Effects of Human Fecal Transplants with Different Combinations of Bifidobacterium bifidum LTBB21J1 and Lactobacillus casei LTL1361 in d-Galactose-Induced Mice.

Journal of agricultural and food chemistry , Volume: 72 Issue: 17 2024 May 1

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

Effects of Limosilactobacillus reuteri ID-D01 Probiotic Supplementation on Exercise Performance and Gut Microbiota in Sprague-Dawley Rats.

Probiotics and antimicrobial proteins , 2024 Apr 18

Authors Jang YJ, Choi HS, Oh I, Chung JH, Moon JS

Efficacy of high-intensity interval and continuous endurance trainings on cecal microbiota metabolites and inflammatory factors in diabetic rats induced by high-fat diet.

PloS one , Volume: 19 Issue: 4 2024

Authors Solouki S, Gorgani-Firuzjaee S, Jafary H, Delfan M

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

Effects of Exercise on Gut Microbiota of Adults: A Systematic Review and Meta-Analysis.

Nutrients , Volume: 16 Issue: 7 2024 Apr 5

Authors Min L, Ablitip A, Wang R, Luciana T, Wei M, Ma X

Lactocaseibacillusparacasei BNCC345679 revolutionizes DSS-induced colitis and modulates gut microbiota.

Frontiers in microbiology , Volume: 15 2024

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

Effect of aerobic exercise and particulate matter exposure duration on the diversity of gut microbiota.

Animal cells and systems , Volume: 28 Issue: 1 2024

Authors Imdad S, Kim JH, So B, Jang J, Park J, Lim W, Lee YK, Shin WS, Hillyer T, Kang C

Bacillus coagulans regulates gut microbiota and ameliorates the alcoholic-associated liver disease in mice.

Frontiers in microbiology , Volume: 15 2024

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

Effects of Bacillus coagulans TBC169 on gut microbiota and metabolites in gynecological laparoscopy patients.

Frontiers in microbiology , Volume: 15 2024

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

Cognitive behavioral and mindfulness with daily exercise intervention is associated with changes in intestinal microbial taxa and systemic inflammation in patients with Crohn's disease.

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

Authors K I, Y M, A N, D S, G G, R S, D G, V S, N O, S, M F, S R, S O, J M, G, A M

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

Curcumin alleviates cecal oxidative injury in diquat-induced broilers by regulating the Nrf2/ARE pathway and microflora.

Poultry science , Volume: 103 Issue: 5 2024 May

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

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

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

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

Dose-Responsive Effects of Iron Supplementation on the Gut Microbiota in Middle-Aged Women.

Nutrients , Volume: 16 Issue: 6 2024 Mar 10

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

Relationships between Habitual Polyphenol Consumption and Gut Microbiota in the INCLD Health Cohort.

Nutrients , Volume: 16 Issue: 6 2024 Mar 8

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

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

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

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

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

Human-derived bacterial strains mitigate colitis via modulating gut microbiota and repairing intestinal barrier function in mice.

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

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

Food additives impair gut microbiota from healthy individuals and IBD patients in a colonic in vitro fermentation model.

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

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

Associations Between Health Behaviors, Gastrointestinal Symptoms, and Gut Microbiota in a Cross-Sectional Sample of Cancer Survivors: Secondary Analysis from the Chemo-Gut Study.

Integrative cancer therapies , Volume: 23 2024 Jan-Dec

Authors Deleemans JM,Chleilat F,Reimer RA,Lawal OA,Baydoun M,Piedalue KA,Lowry DE,Carlson LE

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

Food & function , 2024 Mar 22

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

Mannan-oligosaccharides promote gut microecological recovery after antibiotic disturbance.

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

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

Anti-inflammatory probiotics HF05 and HF06 synergistically alleviate ulcerative colitis and secondary liver injury.

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

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

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

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

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

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

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

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

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

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

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

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,Galczyński K

[Dynamics of Gut Microbiota and Short-Chain Fatty Acids during a Cycling Grand Tour Are Related to Exercise Performance and Modulated by Dietary Intake.](#)

Nutrients , Volume: 16 Issue: 5 2024 Feb 27

Authors Fernandez-Sanjurjo M,Fernandez J,Martinez-Cambor P,Rodriguez-Alonso M,Ortolano-Rios R,Pinto-Hernandez P,Castilla-Silgado J,Coto-Vilcapoma A,Ruiz L,Villar CJ,Tomas-Zapico C,Margolles A,Fernandez-Garcia B,Iglesias-Gutierrez E,Lombó F

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

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

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

[Short-term resistance training combined with cheese supplementation can optimize body parameters and intestinal microbiota in healthy adults.](#)

Journal of exercise science and fitness , Volume: 22 Issue: 2 2024 Apr

Authors Lin YH,Li XH,Zhao HT,Chen JH,Li JQ,Yan Y

[Lactobacillus paracasei ZFM54 alters the metabolomic profiles of yogurt and the co-fermented yogurt improves the gut microecology of human adults.](#)

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

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

[The differential effect of two cereal foods on gut environment: a randomized, controlled, double-blind, parallel-group study.](#)

Frontiers in nutrition , Volume: 10 2023

Authors Yamauchi Y,Masutomi H,Ishihara K,Hartanto T,Lee CG,Fukuda S

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

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

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

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

Translational animal science , Volume: 8 2024

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

[Curcumin protects mice with myasthenia gravis by regulating the gut microbiota, short-chain fatty acids, and the Th17/Treg balance.](#)

Heliyon , Volume: 10 Issue: 4 2024 Feb 29

Authors Sun J,Xie Q,Sun M,Zhang W,Wang H,Liu N,Wang M

[Curcumin attenuates aflatoxin B1-induced ileum injury in ducks by inhibiting NLRP3 inflammasome and regulating TLR4/NF- \$\kappa\$ B signaling pathway.](#)

Mycotoxin research , Volume: 40 Issue: 2 2024 May

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

[The Immunomodulatory Effects of A2 \$\beta\$ -Casein on Immunosuppressed Mice by Regulating Immune Responses and the Gut Microbiota.](#)

Nutrients , Volume: 16 Issue: 4 2024 Feb 13

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

[Short-term pectin-enriched smoothie consumption has beneficial effects on the gut microbiota of low-fiber consumers.](#)

FEMS microbes , Volume: 5 2024

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

[Lactacaseibacillus paracasei CCFM1222 Ameliorated the Intestinal Barrier and Regulated Gut Microbiota in Mice with Dextran Sulfate Sodium-Induced Colitis.](#)

Probiotics and antimicrobial proteins , 2024 Feb 20

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

[Inulin alters gut microbiota to alleviate post-stroke depressive-like behavior associated with the IGF-1-mediated MAPK signaling pathway.](#)

Brain and behavior , Volume: 14 Issue: 1 2024 Jan

Authors Shao R,Tan X,Pan M,Huang J,Huang L,Bi B,Huang X,Wang J,Li X

[Synergistic antimicrobial interaction of plant essential oils and extracts against foodborne pathogens.](#)

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

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

[Dietary probiotic Lactacaseibacillus paracasei NSMJ56 modulates gut immunity and microbiota in laying hens.](#)

Poultry science , Volume: 103 Issue: 4 2024 Apr

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

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

Journal of Cancer , Volume: 15 Issue: 5 2024

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

Temporal variations in the gut microbial diversity in response to high-fat diet and exercise.

Scientific reports , Volume: 14 Issue: 1 2024 Feb 8

Authors Imdad S, So B, Jang J, Park J, Lee SJ, Kim JH, Kang C

Study on the relationship between tea polyphenols alleviating osteoporosis and the changes of microorganism-metabolite-intestinal barrier.

Microbial pathogenesis , Volume: 188 2024 Mar

Authors Wen X, Wu P, Li F, Pi G

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

Food & function , 2024 Feb 2

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

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

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

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

The pharmaceutical effect of Korean wild ginseng residue extract on the performance, microbiota quality, cytokine expression, and the ginseng saponin content of laying hen.

Poultry science , Volume: 103 Issue: 3 2024 Mar

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

Antimicrobial Susceptibility of Francisella tularensis Isolates in the United States, 2009-2018.

Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 78

Issue: Suppl 1 2024 Jan 31

Authors Choat J, Young J, Petersen JM, Dietrich EA

Efficacy of Doxycycline and Ciprofloxacin for Treatment of Pneumonic Tularemia in Cynomolgus Macaques.

Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 78

Issue: Suppl 1 2024 Jan 31

Authors Williams MS

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

Gut microbiota and metabolic profiles in chronic intermittent hypoxia-induced rats: disease-associated dysbiosis and metabolic disturbances.

Frontiers in endocrinology , Volume: 14 2023

Authors Li C, Shi S

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

Chronic sucralose consumption inhibits farnesoid X receptor signaling and perturbs lipid and cholesterol homeostasis in the mouse livers, potentially by altering gut microbiota functions.

The Science of the total environment , Volume: 919 2024 Apr 1

Authors Chi L, Yifei Yang, Bian X, Gao B, Tu P, Ru H, Lu K

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

Animal bioscience , Volume: 37 Issue: 4 2024 Apr

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

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

Microbiology spectrum , 2024 Jan 25

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

Lactobacillus plantarum attenuates glucocorticoid-induced osteoporosis by altering the composition of rat gut microbiota and serum metabolic profile.

Frontiers in immunology , Volume: 14 2023

Authors Li S,Han X,Liu N,Chang J,Liu G,Hu S

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

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

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

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

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

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

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

Lactic acid fermentation of goji berries (Lycium barbarum) prevents acute alcohol liver injury and modulates gut microbiota and metabolites in mice.

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

Authors Duan W,Zhou L,Ren Y,Liu F,Xue Y,Wang FZ,Lu R,Zhang XJ,Shi JS,Xu ZH,Geng Y

Impact of Bacillus licheniformis from yaks following antibiotic therapy in mouse model.

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

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

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

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

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

Lactobacillus reuteri derived from horse alleviates Escherichia coli-induced diarrhea by modulating gut microbiota.

Microbial pathogenesis , Volume: 188 2024 Mar

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

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

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

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

Effects of aerobic exercise or Tai Chi Chuan interventions on problematic mobile phone use and the potential role of intestinal flora: A multi-arm randomized controlled trial.

Journal of psychiatric research , Volume: 170 2024 Feb

Authors Zhang K,Guo H,Zhang X,Yang H,Yuan G,Zhu Z,Lu X,Zhang J,Du J,Shi H,Jin G,Ren J,Hao J,Sun Y,Su P,Zhang Z

Probiotic Bacillus licheniformis ZW3 Alleviates DSS-Induced Colitis and Enhances Gut Homeostasis.

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

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

Prospective Randomized, Double-Blind, Placebo-Controlled Study of a Standardized Oral Pomegranate Extract on the Gut Microbiome and Short-Chain Fatty Acids.

Foods (Basel, Switzerland) , Volume: 13 Issue: 1 2023 Dec 19

Authors Sivamani RK,Chakkalakal M,Pan A,Nadora D,Min M,Dumont A,Burney WA,Chambers CJ

Highland barley β -glucan supplementation attenuated hepatic lipid accumulation in Western diet-induced non-alcoholic fatty liver disease mice by modulating gut microbiota.

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

Authors Liu H,Nie C,Hu X,Li J

A systematic review on the effects of exercise on gut microbial diversity, taxonomic composition, and microbial metabolites: identifying research gaps and future directions.

Frontiers in physiology , Volume: 14 2023

Authors Cullen JMA,Shahzad S,Dhillon J

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

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

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

Co-administration of the prebiotic 1-kestose and the paraprobiotic Lactiplantibacillus plantarum FM8 in magellanic penguins promotes the activity of intestinal Lactobacillaceae and reduces the plc gene levels encoding Clostridium perfringens toxin.

The Journal of veterinary medical science , Volume: 86 Issue: 2 2024 Feb 8

Authors Fujii T,Kezuka C,Kawaguchi Y,Yamakawa S,Kondo N,Funasaka K,Hirooka Y,Tochio T

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

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

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

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

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

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

Food chemistry , Volume: 440 2024 May 15

Authors Kucukoglu AS,Hiz G,Karaca H

Proton Pump Inhibitors Modulate Gene Expression Profile in Esophageal Mucosa and Microbiome.

The journal of pediatric pharmacology and therapeutics : JPPT : the official journal of PPAG , Volume: 28 Issue: 6 2023

Authors Rajagopala SV,Shilts MH,Correa H,Das SR,Choksi YA,Jacobse J,Goettel JA,Hiremath G

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

Characterization of the probiotic properties of Lacticaseibacillus rhamnosus LR6 isolated from the vaginas of healthy Korean women against vaginal pathogens.

Frontiers in microbiology , Volume: 14 2023

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

Kale improves bowel movements in constipated women and affects some intestinal microbes and metabolites: a pilot study.

Frontiers in nutrition , Volume: 10 2023

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

Anti-allergic effects of Ulva-derived polysaccharides, oligosaccharides and residues in a murine model of food allergy.

Heliyon , Volume: 9 Issue: 12 2023 Dec

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

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

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

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

Impact of structurally diverse polysaccharides on colonic mucin O-glycosylation and gut microbiota.

NPJ biofilms and microbiomes , Volume: 9 Issue: 1 2023 Dec 11

Authors Zhao T,Zhang Y,Nan L,Zhu Q,Wang S,Xie Y,Dong X,Cao C,Lin X,Lu Y,Liu Y,Huang L,Gong G,Wang Z

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

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

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

The effects of 6 wk of resistance training on the gut microbiome and cardiometabolic health in young adults with overweight and obesity.

Journal of applied physiology (Bethesda, Md. : 1985) , Volume: 136 Issue: 2 2024 Feb 1

Authors Cullen JMA,Shahzad S,Kanaley JA,Ericsson AC,Dhillon J

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

[Free lipoproteins from Bifidobacterium longum alleviate osteoarthritis through modulation of the gut microbiome.](#)

Microbiome research reports , Volume: 2 Issue: 3 2023

Authors Sane F,Piva F,Romond MB

[Next-generation sequencing of the athletic gut microbiota: a systematic review.](#)

Microbiome research reports , Volume: 2 Issue: 1 2023

Authors Sabater C,Iglesias-Gutiérrez E,Ruiz L,Margolles A

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

Frontiers in cellular and infection microbiology , Volume: 13 2023

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

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

Frontiers in veterinary science , Volume: 10 2023

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

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

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

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

[Unveiling the inhibition mechanism of Clostridioides difficile by Bifidobacterium longum via multiomics approach.](#)

Frontiers in microbiology , Volume: 14 2023

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

[Distinct Microbial Taxa Are Associated with LDL-Cholesterol Reduction after 12 Weeks of Lactobacillus plantarum Intake in Mild Hypercholesterolemia: Results of a Randomized Controlled Study.](#)

Probiotics and antimicrobial proteins , 2023 Nov 28

Authors Kerlikowsky F,Müller M,Greupner T,Amend L,Strowig T,Hahn A

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

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

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

[Lactobacillus rhamnosus Attenuates Cisplatin-Induced Intestinal Mucositis in Mice via Modulating the Gut Microbiota and Improving Intestinal Inflammation.](#)

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

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

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

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

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

[Lactobacillus paracasei Relieves Constipation by Acting on the Acetic Acid-5-HT-Intestinal Motility Pathway.](#)

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

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

[Pectin from Citrus unshiu Marc. Alleviates Glucose and Lipid Metabolism by Regulating the Gut Microbiota and Metabolites.](#)

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

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

[Influence of Sex and a High-Fiber Diet on the Gut Microbiome of Alentejano Pigs Raised to Heavy Weights.](#)

Veterinary sciences , Volume: 10 Issue: 11 2023 Nov 2

Authors Albuquerque A,Garrido N,Charneca R,Egas C,Martin L,Ramos A,Costa F,Marmelo C,Martins JM

[The Dose-Response Effect of Fluoride Exposure on the Gut Microbiome and Its Functional Pathways in Rats.](#)

Metabolites , Volume: 13 Issue: 11 2023 Nov 17

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

[Gut microbiota, host lipid metabolism and regulation mechanism of high-fat diet induced mice following different probiotics-fermented wheat bran intervention.](#)

Food research international (Ottawa, Ont.) , Volume: 174 Issue: Pt 1 2023 Dec

Authors Wu Q,Zhuang M,Guo T,Bao S,Wu S,Ke S,Wang X,Wang A,Zhou Z

[Does the ketogenic diet improve neurological disorders by influencing gut microbiota? A systematic review.](#)

Nutrition journal , Volume: 22 Issue: 1 2023 Nov 20

Authors Mazandarani M,Lashkarbolouk N,Ejtahed HS,Qorbani M

[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

[Utilization of diverse oligosaccharides for growth by Bifidobacterium and Lactobacillus species and their in vitro co-cultivation characteristics.](#)

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

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

[Dietary Galactooligosaccharides Supplementation as a Gut Microbiota-Regulating Approach to Lower Early Life Arsenic Exposure.](#)

Environmental science & technology , 2023 Nov 9

Authors Zhang YS,Juhasz AL,Xi JF,Ma LQ,Zhou D,Li HB

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

mSystems , Volume: 8 Issue: 6 2023 Dec 21

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

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

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

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

[Cooperative interactions between Veillonella ratti and Lactobacillus acidophilus ameliorate DSS-induced ulcerative colitis in mice.](#)

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

Authors Li N,Wang H,Zhao H,Wang M,Cai J,Hao Y,Yu J,Jiang Y,Lü X,Liu B

[A potential strategy against clinical carbapenem-resistant Enterobacteriaceae: antimicrobial activity study of sweetener-decorated gold nanoparticles in vitro and in vivo.](#)

Journal of nanobiotechnology , Volume: 21 Issue: 1 2023 Nov 6

Authors Liu H,Huang Z,Chen H,Zhang Y,Yu P,Hu P,Zhang X,Cao J,Zhou T

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

Journal of applied microbiology , 2023 Oct 31

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

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

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

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

[Clostridium butyricum and Clostridium tyrobutyricum: angel or devil for necrotizing enterocolitis?](#)

mSystems , 2023 Nov 3

Authors Tao R,Zong G,Pan Y,Li H,Cheng P,Deng R,Chen W,Wang A,Xia S,Tang W,Lu Y,Wei Z

[Antitumor effect of exopolysaccharide from Lactiplantibacillus plantarum WLPL09 on melanoma mice via regulating immunity and gut microbiota.](#)

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

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

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

Frontiers in immunology , Volume: 14 2023

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

[Consumption of sucralose- and acesulfame-potassium-containing diet soda alters the relative abundance of microbial taxa at the species level: findings of two pilot studies.](#)

Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme , Volume: 49 Issue: 1 2024 Jan 1

Authors Sylvetsky AC,Clement RA,Stearrett N,Issa NT,Dore FJ,Mazumder R,King CH,Hubal MJ,Walter PJ,Cai H,Sen S,Rother KI,Crandall KA

[Uncovering the promising role of grape pomace as a modulator of the gut microbiome: An in-depth review.](#)

Heliyon , Volume: 9 Issue: 10 2023 Oct

Authors Sinrod AJG,Shah IM,Surek E,Barile D

[Modulation of pectin on intestinal barrier function via changes in microbial functional potential and bile acid metabolism.](#)

The Journal of nutritional biochemistry , Volume: 124 2024 Feb

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

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

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

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

Phlorizin Mitigates Dextran Sulfate Sodium-Induced Colitis in Mice by Modulating Gut Microbiota and Inhibiting Ferroptosis.

Journal of agricultural and food chemistry , 2023 Oct 19

Authors Cheng J,Liu D,Huang Y,Chen L,Li Y,Yang Z,Fu S,Hu G

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

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

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

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

Frontiers in microbiology , Volume: 14 2023

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

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

Nutrients , Volume: 15 Issue: 19 2023 Sep 28

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

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

Nutrients , Volume: 15 Issue: 19 2023 Sep 22

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

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

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

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

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

Life sciences , Volume: 334 2023 Dec 1

Authors Li X,Wang L

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

Neoplasma , Volume: 70 Issue: 4 2023 Aug

Authors Bielik V,Hric I,Šmahová S,Tkaciková M,Hlaváčová V,Nechalová L,Ugrayová S,Kolenová A

Diet and gut microbial associations in irritable bowel syndrome according to disease subtype.

Gut microbes , Volume: 15 Issue: 2 2023 Dec

Authors Wang Y,Ma W,Mehta R,Nguyen LH,Song M,Drew DA,Asnicar F,Huttenhower C,Segata N,Wolf J,Spector T,Berry S,Staller K,Chan AT

Enterococcus faecium C171: Modulating the Immune Response to Acute Lethal Viral Challenge.

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

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

Isolation and characterization of potential Lactobacillus acidophilus strains isolated from pig feces.

Animal science journal = Nihon chikusan Gakkaiho , Volume: 94 Issue: 1 2023 Jan-Dec

Authors Liu Z,Zhang W,Huang T,Xiao M,Peng Z,Peng F,Guan Q,Xie MY,Xiong T

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

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

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

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

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

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

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

Gut microbial change after administration of Lactocaseibacillus paracasei A0356 is associated with anti-obesity in a mouse

model.

Frontiers in endocrinology , Volume: 14 2023

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

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

mSystems , Volume: 8 Issue: 5 2023 Oct 26

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

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

Frontiers in nutrition , Volume: 10 2023

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

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

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

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

Resveratrol alleviates DSS-induced IBD in mice by regulating the intestinal microbiota-macrophage-arginine metabolism axis.

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

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

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

Food & function , 2023 Sep 1

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

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

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

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

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

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

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

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

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

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

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

Ketogenic diet ameliorates attention deficit hyperactivity disorder in rats via regulating gut microbiota.

PloS one , Volume: 18 Issue: 8 2023

Authors Liu Y, Yang C, Meng Y, Dang Y, Yang L

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

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

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

Sustained ameliorative effect of *Lactobacillus acidophilus* LA85 on dextran sulfate sodium-induced colitis in mice.

Journal of food science , Volume: 88 Issue: 9 2023 Sep

Authors Han M, Liao W, Dong Y, Fei T, Gai Z

Association of cigarette smoking with risk of colorectal cancer subtypes classified by gut microbiota.

Tobacco induced diseases , Volume: 21 2023

Authors Cai JA, Zhang YZ, Yu ED, Ding WQ, Li ZS, Zhong L, Cai QC

The Vegetable 'Kale' Protects against Dextran-Sulfate-Sodium-Induced Acute Inflammation through Moderating the Ratio of Proinflammatory and Anti-Inflammatory LPS-Producing Bacterial Taxa and Augmenting the Gut Barrier in C57BL/6 Mice.

Nutrients , Volume: 15 Issue: 14 2023 Jul 20

Authors Raychaudhuri S, Shahinozzaman M, Subedi U, Fan S, Ogedengbe O, Obanda DN

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

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

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

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

Saccharomyces boulardii protects against murine experimental colitis by reshaping the gut microbiome and its metabolic profile.

Frontiers in microbiology , Volume: 14 2023

Authors Gao H, Li Y, Xu J, Zuo X, Yue T, Xu H, Sun J, Wang M, Ye T, Yu Y, Yao Y

The impact of aerobic exercise training on cognitive function and gut microbiota in methamphetamine-dependent individuals in the community.

Physiology & behavior , Volume: 270 2023 Oct 15

Authors Zhu Y, Zhu J, Song G

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

Frontiers in microbiology , Volume: 14 2023

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

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

Food & function , 2023 Jul 14

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

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

Heliyon , Volume: 9 Issue: 7 2023 Jul

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

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

Nutrients , Volume: 15 Issue: 13 2023 Jul 5

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

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

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

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

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

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

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

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

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

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

Effects of whole-grain cereals on fecal microbiota and short-chain fatty acids in dogs: a comparison of rye, oats and wheat.

Scientific reports , Volume: 13 Issue: 1 2023 Jul 5

Authors Palmqvist H, Höglund K, Ringmark S, Lundh T, Dicksved J

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

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

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

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

Frontiers in veterinary science , Volume: 10 2023

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

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

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

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

Effect of Probiotic Yogurt Supplementation (Bifidobacterium animalis ssp. lactis BB-12) on Gut Microbiota of Female

Taekwondo Athletes and Its Relationship with Exercise-Related Psychological Fatigue.**Microorganisms** , Volume: 11 Issue: 6 2023 May 26

Authors Zhu J,Zhu Y,Song G

Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.**The Journal of nutrition** , 2023 Jun 20

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

Probiotic modulation of gut microbiota by Bacillus coagulans MTCC 5856 in healthy subjects: A randomized, double-blind, placebo-control study.**Medicine** , Volume: 102 Issue: 20 2023 May 19

Authors Majeed M,Nagabhushanam K,Mundkur L,Paulose S,Divakar H,Rao S,Arumugam S

Crosstalk between dietary pomegranate and gut microbiota: evidence of health benefits.**Critical reviews in food science and nutrition** , 2023 Jun 19

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

Targeted modification of gut microbiota and related metabolites via dietary fiber.**Carbohydrate polymers** , Volume: 316 2023 Sep 15

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

Characteristic Gut Bacteria in High Barley Consuming Japanese Individuals without Hypertension.**Microorganisms** , Volume: 11 Issue: 5 2023 May 9

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

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

Authors Nuomin,Baek R,Tsuruta T,Nishino N

In vitro simulated fecal fermentation of mixed grains on short-chain fatty acid generation and its metabolized mechanism.**Food research international (Ottawa, Ont.)** , Volume: 170 2023 Aug

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

A gluten degrading probiotic Bacillus subtilis LZU-GM relieve adverse effect of gluten additive food and balances gut microbiota in mice.**Food research international (Ottawa, Ont.)** , Volume: 170 2023 Aug

Authors Khan A,Li S,Han H,Jin WL,Ling Z,Ji J,Iram S,Liu P,Xiao S,Salama ES,Li X

Engineered Bacillus subtilis alleviates intestinal oxidative injury through Nrf2-Keap1 pathway in enterotoxigenic Escherichia coli (ETEC) K88-infected piglet.**Journal of Zhejiang University. Science. B** , Volume: 24 Issue: 6 2023 Jun 15

Authors Wen C,Zhang H,Guo Q,Duan Y,Chen S,Han M,Li F,Jin M,Wang Y

Effects of exercise and physical activity on gut microbiota composition and function in older adults: a systematic review.**BMC geriatrics** , Volume: 23 Issue: 1 2023 Jun 12

Authors Aya V,Jimenez P,Muñoz E,Ramírez JD

Biological control of foodborne pathogens by lactic acid bacteria: A focus on juice processing industries.**Revista Argentina de microbiología** , Volume: 55 Issue: 4 2023 Oct-Dec

Authors Tarifa MC,Agustín MDR,Brugnoni LI

Lactobacillus casei and Its Supplement Alleviate Stress-Induced Depression and Anxiety in Mice by the Regulation of BDNF Expression and NF- κ B Activation.**Nutrients** , Volume: 15 Issue: 11 2023 May 26

Authors Ma X,Shin YJ,Park HS,Jeong JW,Kim JY,Shim JJ,Lee JL,Kim DH

Regulation of Gut Microflora by Lactobacillus casei Zhang Attenuates Liver Injury in Mice Caused by Anti-Tuberculosis Drugs.**International journal of molecular sciences** , Volume: 24 Issue: 11 2023 May 29

Authors Li Y,Zhao L,Sun C,Yang J,Zhang X,Dou S,Hua Q,Ma A,Cai J

Steamed broccoli sprouts alleviate DSS-induced inflammation and retain gut microbial biogeography in mice.**bioRxiv : the preprint server for biology** , 2023 May 23

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

Bacillus amyloliquefaciens alleviates the pathological injuries in mice infected with Schistosoma japonicum by modulating intestinal microbiome.**Frontiers in cellular and infection microbiology** , Volume: 13 2023

Authors Chen H,Sun R,Wang J,Yao S,Batool SS,Yu Z,Huang S,Huang J

Bifidobacterium bifidum E3 Combined with Bifidobacterium longum subsp. infantis E4 Improves LPS-Induced Intestinal Injury by Inhibiting the TLR4/NF- κ B and MAPK Signaling Pathways In Vivo.

Journal of agricultural and food chemistry , Volume: 71 Issue: 23 2023 Jun 14

Authors Yue Y,Wang Y,Xie Q,Lv X,Zhou L,Smith EE,Cao T,Zhang Y,Li B,Huo G,Ma W

[Heat-Killed Bifidobacterium longum BBMN68 in Pasteurized Yogurt Alleviates Mugwort Pollen-Induced Allergic Airway Responses through Gut Microbiota Modulation in a Murine Model.](#)

Foods (Basel, Switzerland) , Volume: 12 Issue: 10 2023 May 19

Authors Niu X,Yin X,Wu X,Zhang Q,Jiang Y,He J,Zhao Y,Zhang C,Ren Y,Lai M,Sang Y,Wang R

[Comparison of the Effects of Enzymolysis Seaweed Powder and Saccharomyces boulardii on Intestinal Health and Microbiota Composition in Kittens.](#)

Metabolites , Volume: 13 Issue: 5 2023 May 8

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

[Selenium-enriched Bifidobacterium longum DD98 relieves irritable bowel syndrome induced by chronic unpredictable mild stress in mice.](#)

Food & function , Volume: 14 Issue: 11 2023 Jun 6

Authors Jin X,Hu Y,Lin T,Gao F,Xu Z,Hou X,Yin Y,Kan S,Zhu H,Chen D

[Dietary Supplementation of Brevibacillus laterosporus S62-9 Improves Broiler Growth and Immunity by Regulating Cecal Microbiota and Metabolites.](#)

Probiotics and antimicrobial proteins , 2023 May 22

Authors Zhi T,Ma A,Liu X,Chen Z,Li S,Jia Y

[The improvement of intestinal dysbiosis and hepatic metabolic dysfunction in dextran sulfate sodium-induced colitis mice: effects of curcumin.](#)

Journal of gastroenterology and hepatology , Volume: 38 Issue: 8 2023 Aug

Authors Zhou F,Mai T,Wang Z,Zeng Z,Shi J,Zhang F,Kong N,Jiang H,Guo L,Xu M,Lin J

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

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

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

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

Environmental toxicology and pharmacology , Volume: 100 2023 Jun

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

[The Impact of Smoking on Microbiota: A Narrative Review.](#)

Biomedicines , Volume: 11 Issue: 4 2023 Apr 10

Authors Cicchinelli S,Rosa F,Manca F,Zanza C,Ojetti V,Covino M,Candelli M,Gasbarrini A,Franceschi F,Piccioni A

[Gentamicin alleviates cholestatic liver injury by decreasing gut microbiota-associated bile salt hydrolase activity in rats.](#)

European journal of pharmacology , Volume: 951 2023 May 12

Authors Ma Y,Wang H,Yang J,Xin M,Wu X

[Microencapsulation of Lactobacillus plantarum MB001 and its probiotic effect on growth performance, cecal microbiome and gut integrity of broiler chickens in a tropical climate.](#)

Animal bioscience , Volume: 36 Issue: 8 2023 Aug

Authors Vimom S,Angkanaporn K,Nuengjamnong C

[Milk protects against sarcopenic obesity due to increase in the genus Akkermansia in faeces of db/db mice.](#)

Journal of cachexia, sarcopenia and muscle , Volume: 14 Issue: 3 2023 Jun

Authors Okamura T,Hamaguchi M,Nakajima H,Kitagawa N,Majima S,Senmaru T,Okada H,Ushigome E,Nakanishi N,Sasano R,Fukui M

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

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

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

[Prevention of High-Fat-Diet-Induced Dyslipidemia by Lactobacillus plantarum LP104 through Mediating Bile Acid Enterohepatic Axis Circulation and Intestinal Flora.](#)

Journal of agricultural and food chemistry , Volume: 71 Issue: 19 2023 May 17

Authors Wang Y,Xing X,Ma Y,Fan Y,Zhang Y,Nan B,Li X,Wang Y,Liu J

[Bacillus licheniformis reverses the environmental ceftriaxone sodium-induced gut microbial dysbiosis and intestinal inflammation in mice.](#)

Ecotoxicology and environmental safety , Volume: 257 2023 Jun 1

Authors Zeng Z,Yue W,Kined C,Wang P,Liu R,Liu J,Chen X

[Lactobacillus 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

Alleviation of Alcoholic Fatty Liver by Dendrobium officinale Flower Extracts due to Regulation of Gut Microbiota and Short-Chain Fatty Acids in Mice Exposed to Chronic Alcohol.

Foods (Basel, Switzerland) , Volume: 12 Issue: 7 2023 Mar 28

Authors Zhang J,Fan J,Luo H,Liang Z,Guan Y,Lei X,Bo N,Zhao M

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

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

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

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

Frontiers in immunology , Volume: 14 2023

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

Bifidobacterium longum Administration Diminishes Parasitemia and Inflammation During Plasmodium berghei Infection in Mice.

Journal of inflammation research , Volume: 16 2023

Authors Fitri LE,Sardjono TW,Winaris N,Pawestri AR,Endharti AT,Norahmawati E,Handayani D,Kurniawan SN,Azizah S,Alifia LI,Asiyah R,Ayuningtyas TR

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

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

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

Exploring the Potential of Lactobacillus helveticus R0052 and Bifidobacterium longum R0175 as Promising Psychobiotics Using SHIME.

Nutrients , Volume: 15 Issue: 6 2023 Mar 21

Authors De Oliveira FL,Salgado MK,de Oliveira MT,Mesa V,Sartoratto A,Peregrino AM,Ramos WS,Sivieri K

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

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

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

Antimicrobial and immunoregulatory effects of Lactobacillus delbrueckii 45E against genitourinary pathogens.

Journal of biomedical science , Volume: 30 Issue: 1 2023 Mar 23

Authors Bnfağa AA,Lee KW,Than LTL,Amin-Nordin S

OSA Is Associated With the Human Gut Microbiota Composition and Functional Potential in the Population-Based Swedish CardioPulmonary bioImage Study.

Chest , Volume: 164 Issue: 2 2023 Aug

Authors Baldanzi G,Sayols-Baixeras S,Theorell-Haglöw J,Dekkers KF,Hammar U,Nguyen D,Lin YT,Ahmad S,Holm JB,Nielsen HB,Brunkwall L,Benedict C,Cedernaes J,Koskineemi S,Phillipson M,Lind L,Sundström J,Bergström G,Engström G,Smith JG,Orho-Melander M,Ärnlöv J,Kennedy B,Lindberg E,Fall T

Effects of fermented soybean meal supplementation on the growth performance and apparent total tract digestibility by modulating the gut microbiome of weaned piglets.

Scientific reports , Volume: 13 Issue: 1 2023 Mar 6

Authors Muniyappan M,Shanmugam S,Park JH,Han K,Kim IH

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

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

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

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

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

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

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

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

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

Dietary Bacillus licheniformis shapes the foregut microbiota, improving nutrient digestibility and intestinal health in broiler chickens.

Frontiers in microbiology , Volume: 14 2023

Authors Han Y,Xu X,Wang J,Cai H,Li D,Zhang H,Yang P,Meng K

[Change of gut microbiome structure in preterm infants with hypoxic ischemic encephalopathy induced by apnea.](#)

Pediatrics and neonatology , Volume: 64 Issue: 4 2023 Jul

Authors Chen G,Li F,Du J

[Dietary Administration of Black Raspberries and Arsenic Exposure: Changes in the Gut Microbiota and Its Functional Metabolites.](#)

Metabolites , Volume: 13 Issue: 2 2023 Jan 30

Authors Tu P,Tang Q,Mo Z,Niu H,Hu Y,Wu L,Chen Z,Wang X,Gao B

[Dietary Supplementation with Probiotic Bacillus licheniformis S6 Improves Intestinal Integrity via Modulating Intestinal Barrier Function and Microbial Diversity in Weaned Piglets.](#)

Biology , Volume: 12 Issue: 2 2023 Feb 2

Authors Sun W,Chen W,Meng K,Cai L,Li G,Li X,Jiang X

[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

[Different gut microbiota in U.S. formula-fed infants consuming a meat vs. dairy-based complementary foods: A randomized controlled trial.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Tang M,Ma C,Weinheimer-Haus EM,Robertson CE,Kofonow JM,Berman LM,Waljee A,Zhu J,Frank DN,Krebs NF

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

bioRxiv : the preprint server for biology , 2023 Jan 31

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

[Microbiome Alterations in Alcohol Use Disorder and Alcoholic Liver Disease.](#)

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

Authors Litwinowicz K,Gamian A

[Lactocaseibacillus casei T1 attenuates Helicobacter pylori-induced inflammation and gut microbiota disorders in mice.](#)

BMC microbiology , Volume: 23 Issue: 1 2023 Feb 11

Authors Yu Z,Cao M,Peng J,Wu D,Li S,Wu C,Qing L,Zhang A,Wang W,Huang M,Zhao J

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

Frontiers in microbiomes , Volume: 1 2022

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

[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

[Lactocaseibacillus rhamnosus Hao9 exerts antidiabetic effects by regulating gut microbiome, glucagon metabolism, and insulin levels in type 2 diabetic mice.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Han M,Liao W,Dong Y,Bai C,Gai Z

[Lactobacillus acidophilus \(LA\) Fermenting Astragalus Polysaccharides \(APS\) Improves Calcium Absorption and Osteoporosis by Altering Gut Microbiota.](#)

Foods (Basel, Switzerland) , Volume: 12 Issue: 2 2023 Jan 6

Authors Zhou J,Cheng J,Liu L,Luo J,Peng X

[Modified cereal bran \(MCB\) from finger millet, kodo millet, and rice bran prevents high-fat diet-induced metabolic derangements.](#)

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

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

[Obstructive sleep apnea is related to alterations in fecal microbiome and impaired intestinal barrier function.](#)

Scientific reports , Volume: 13 Issue: 1 2023 Jan 15

Authors Li Q,Xu T,Shao C,Gao W,Wang M,Dong Y,Wang X,Lu F,Li D,Tan H,Jiang Y,Xie Q,Cai F,Feng L,Li T

[Bacillus amyloliquefaciens 40 regulates piglet performance, antioxidant capacity, immune status and gut microbiota.](#)

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

Authors Jiang Z,Su W,Li W,Wen C,Du S,He H,Zhang Y,Gong T,Wang X,Wang Y,Jin M,Lu Z

Impact of *Saccharomyces boulardii* CNCM I-745 on Bacterial Overgrowth and Composition of Intestinal Microbiota in Diarrhea-Predominant Irritable Bowel Syndrome Patients: Results of a Randomized Pilot Study.

Digestive diseases (Basel, Switzerland) , Volume: 41 Issue: 5 2023

Authors Bustos Fernández LM,Man F,Lasa JS

Characterization of the Cafeteria Diet as Simulation of the Human Western Diet and Its Impact on the Lipidomic Profile and Gut Microbiota in Obese Rats.

Nutrients , Volume: 15 Issue: 1 2022 Dec 24

Authors de la Garza AL,Martínez-Tamez AM,Mellado-Negrete A,Arjonilla-Becerra S,Peña-Vázquez GI,Marín-Obispo LM,Hernández-Brenes C

Probiotic *Bifidobacterium longum* BB68S Improves Cognitive Functions in Healthy Older Adults: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 15 Issue: 1 2022 Dec 22

Authors Shi S,Zhang Q,Sang Y,Ge S,Wang Q,Wang R,He J

Acute sleep deprivation exacerbates systemic inflammation and psychiatry disorders through gut microbiota dysbiosis and disruption of circadian rhythms.

Microbiological research , Volume: 268 2023 Mar

Authors Yang DF,Huang WC,Wu CW,Huang CY,Yang YSH,Tung YT

Fecal microbiota composition affects in vitro fermentation of rye, oat, and wheat bread.

Scientific reports , Volume: 13 Issue: 1 2023 Jan 3

Authors Pirkola L,Dicksved J,Loponen J,Marklinder I,Andersson R

Diet-rich in wheat bran modulates tryptophan metabolism and AhR/IL-22 signalling mediated metabolic health and gut dysbacteriosis: A novel prebiotic-like activity of wheat bran.

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Yan T,Shi L,Liu T,Zhang X,Yang M,Peng W,Sun X,Yan L,Dai X,Yang X

Thyme (*Thymus vulgaris* L.) polyphenols ameliorate DSS-induced ulcerative colitis of mice by mitigating intestinal barrier damage, regulating gut microbiota, and suppressing TLR4/NF- κ B-NLRP3 inflammasome pathways.

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

Authors Zhou Z,He W,Tian H,Zhan P,Liu J

The administration of *Enterococcus faecium* SF68 counteracts compositional shifts in the gut microbiota of diet-induced obese mice.

Frontiers in microbiology , Volume: 13 2022

Authors Panattoni A,Calvigioni M,Benvenuti L,D'Antongiovanni V,Pellegrini C,Di Salvo C,Mazzantini D,Celandroni F,Fornai M,Antonioioli L,Ghelardi E

Quercetin alleviates intestinal inflammation and improves intestinal functions via modulating gut microbiota composition in LPS-challenged laying hens.

Poultry science , Volume: 102 Issue: 3 2023 Mar

Authors Feng J,Li Z,Ma H,Yue Y,Hao K,Li J,Xiang Y,Min Y

Effects of a *Saccharomyces cerevisiae* fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.

Journal of animal science , 2022 Dec 27

Authors Oba PM,Carroll MQ,Sieja KM,Nogueira JPS,Yang X,Epp TY,Warzecha CM,Varney JL,Fowler JW,Coon CN,Swanson KS

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

Biomedical reports , Volume: 18 Issue: 1 2023 Jan

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

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

Frontiers in microbiology , Volume: 13 2022

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

Exercise effect on the gut microbiota in young adolescents with subthreshold depression: A randomized psychoeducation-controlled Trial.

Psychiatry research , Volume: 319 2023 Jan

Authors Wang R,Cai Y,Lu W,Zhang R,Shao R,Yau SY,Stubbs B,McIntyre RS,Su KP,Xu G,Qi L,So KF,Lin K

Differential reinforcement of intestinal barrier function by various *Lactobacillus reuteri* strains in mice with DSS-induced acute colitis.

Life sciences , Volume: 314 2023 Feb 1

Authors Lin C,Zheng Y,Lu J,Zhang H,Wang G,Chen W

Dietary Supplementation with Black Raspberries Altered the Gut Microbiome Composition in a Mouse Model of Colitis-

Associated Colorectal Cancer, although with Differing Effects for a Healthy versus a Western Basal Diet.

Nutrients , Volume: 14 Issue: 24 2022 Dec 10

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

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

Galactooligosaccharides ameliorate dietary advanced glycation end product-induced intestinal barrier damage in C57BL/6 mice by modulation of the intestinal microbiome.

Food & function , 2022 Dec 20

Authors Nie C,Xie X,Liu H,Yuan X,Ma Q,Tu A,Zhang M,Chen Z,Li J

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

Frontiers in nutrition , Volume: 9 2022

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

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

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

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

Effects of highland barley β -glucan on blood glucose and gut microbiota in streptozotocin-induced, diabetic, C57BL/6 mice on a high-fat diet.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 107 2023 Mar

Authors Zang Y,Liu J,Zhai A,Wu K,Chuang Y,Ge Y,Wang C

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

Nutrients , Volume: 14 Issue: 23 2022 Nov 22

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

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

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

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

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

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

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

Curcumin Regulates Gut Microbiota and Exerts a Neuroprotective Effect in the MPTP Model of Parkinson's Disease.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2022 2022

Authors Zhu H,Zhang H,Hou B,Xu B, Ji L,Wu Y

Lactobacillus reuteri improves the development and maturation of fecal microbiota in piglets through mother-to-infant microbe and metabolite vertical transmission.

Microbiome , Volume: 10 Issue: 1 2022 Dec 2

Authors Wang G,Wang X,Ma Y,Cai S,Yang L,Fan Y,Zeng X,Qiao S

The impact of dietary fibers on Clostridioides difficile infection in a mouse model.

Frontiers in cellular and infection microbiology , Volume: 12 2022

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

Effects of Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens.

Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 20

Authors Wu T,Yang F,Jiao T,Zhao S

The Effects of Dietary Bacillus amyloliquefaciens TL106 Supplementation, as an Alternative to Antibiotics, on Growth Performance, Intestinal Immunity, Epithelial Barrier Integrity, and Intestinal Microbiota in Broilers.

Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 9

Authors Bao C,Zhang W,Wang J,Liu Y,Cao H,Li F,Liu S,Shang Z,Cao Y,Dong B

Enterococcus faecium GEFA01 alleviates hypercholesterolemia by promoting reverse cholesterol transportation via modulating the gut microbiota-SCFA axis.

Frontiers in nutrition , Volume: 9 2022

Authors Xu W,Zou K,Zhan Y,Cai Y,Zhang Z,Tao X,Qiu L,Wei H

The Impact of Sleep Disturbance on Gut Microbiota, Atrial Substrate, and Atrial Fibrillation Inducibility in Mice: A Multi-Omics Analysis.

Metabolites , Volume: 12 Issue: 11 2022 Nov 20

Authors Zuo K,Fang C,Fu Y,Liu Z,Liu Y,Liu L,Wang Y,Wang H,Yin X,Liu X,Li J,Zhong J,Chen M,Yang X,Xu L

[Lactocaseibacillus casei ATCC334 Ameliorates Radiation-Induced Intestinal Injury in Rats by Targeting Microbes and Metabolites.](#)

Molecular nutrition & food research , Volume: 67 Issue: 1 2023 Jan

Authors Hua Q,Zhang H,Xu R,Tian C,Gao T,Yuan Y,Han Y,Li Y,Qi C,Zhong F,Ma A

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

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

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

[Lactocaseibacillus rhamnosus HN001 alters the microbiota composition in the cecum but not the feces in a piglet model.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Young W,Maclean P,Dunstan K,Ryan L,Peters J,Armstrong K,Anderson R,Dewhurst H,van Gendt M,Dilger RN,Dekker J,Haggarty N,Roy N

[Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.](#)

Applied microbiology and biotechnology , Volume: 106 Issue: 24 2022 Dec

Authors Zhai T,Ren W,Wang P,Zheng L

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

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

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

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

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

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

[Plant-Derived Lactobacillus paracasei UH-SONE68 Improves the Gut Microbiota Associated with Hepatic Disorders: A Randomized, Double-Blind, and Placebo-Controlled Clinical Trial.](#)

Nutrients , Volume: 14 Issue: 21 2022 Oct 26

Authors Danshiitsoodol N,Noda M,Kanno K,Uchida T,Sugiyama M

[Lactobacillus rhamnosus TR08 Improves Dyslipidemia in Mice Fed with a High Fat Diet by Regulating the Intestinal Microbiota, Reducing Systemic Inflammatory Response, and Promoting Sphingomholipid Metabolism.](#)

Molecules (Basel, Switzerland) , Volume: 27 Issue: 21 2022 Oct 29

Authors Feng X,Ding L,Ma G,Zhang Y,Sun Y,Li Z,Tao X,Ali A,Wang D,Wu L

[Postbiotics Prepared Using Lactobacillus paracasei CCFM1224 Prevent Nonalcoholic Fatty Liver Disease by Modulating the Gut Microbiota and Liver Metabolism.](#)

International journal of molecular sciences , Volume: 23 Issue: 21 2022 Nov 4

Authors Pan Z,Mao B,Zhang Q,Tang X,Yang B,Zhao J,Cui S,Zhang H

[Effects of Bacillus subtilis BSNK-5-Fermented Soymilk on the Gut Microbiota by In Vitro Fecal Fermentation.](#)

Foods (Basel, Switzerland) , Volume: 11 Issue: 21 2022 Nov 3

Authors Gao Y,Hou L,Hu M,Li D,Tian Z,Wen W,Fan B,Li S,Wang F

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

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

Authors Lee KS,Kim ES

[Dietary Oregano Essential Oil Supplementation Influences Production Performance and Gut Microbiota in Late-Phase Laying Hens Fed Wheat-Based Diets.](#)

Animals : an open access journal from MDPI , Volume: 12 Issue: 21 2022 Nov 2

Authors Gao F,Zhang L,Li H,Xia F,Bai H,Piao X,Sun Z,Cui H,Shi L

[Dynamics of Gut Microbiota and Clinical Variables after Ketogenic and Mediterranean Diets in Drug-Naïve Patients with Type 2 Diabetes Mellitus and Obesity.](#)

Metabolites , Volume: 12 Issue: 11 2022 Nov 10

Authors Deledda A,Palmas V,Heidrich V,Fosci M,Lombardo M,Cambarau G,Lai A,Melis M,Loi E,Loviselli A,Manzin A,Velluzzi F

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

Metabolites , Volume: 12 Issue: 11 2022 Oct 26

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

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

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

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

[Gut microbiome and metabolome analyses reveal the protective effect of special high-docosahexaenoic acid tuna oil on d-](#)

galactose-induced aging in mice.

Food science & nutrition , Volume: 10 Issue: 11 2022 Nov

Authors Zhang J,Yi C,Han J,Ming T,Zhou J,Lu C,Li Y,Su X

Co-fermented yellow wine lees by *Bacillus subtilis* and *Enterococcus faecium* regulates growth performance and gut microbiota in finishing pigs.

Frontiers in microbiology , Volume: 13 2022

Authors Zhang Y,Wang C,Su W,Jiang Z,He H,Gong T,Kai L,Xu H,Wang Y,Lu Z

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

Flavones interact with fiber to affect fecal bacterial communities in vitro.

Food chemistry , Volume: 404 Issue: Pt B 2023 Mar 15

Authors Loo YT,Howell K,Suleria H,Zhang P,Liu S,Ng K

Curcumin alleviates LPS-induced intestinal homeostatic imbalance through reshaping gut microbiota structure and regulating group 3 innate lymphoid cells in chickens.

Food & function , Volume: 13 Issue: 22 2022 Nov 14

Authors Ruan D,Wu S,Fouad AM,Zhu Y,Huang W,Chen Z,Gou Z,Wang Y,Han Y,Yan S,Zheng C,Jiang S

Lactacaseibacillus rhamnosus-Derived Exopolysaccharide Attenuates D-Galactose-Induced Oxidative Stress and Inflammatory Brain Injury and Modulates Gut Microbiota in a Mouse Model.

Microorganisms , Volume: 10 Issue: 10 2022 Oct 17

Authors Kumari M,Dasriya VL,Nataraj BH,Nagpal R,Behare PV

Baseline gut microbial profiles are associated with the efficacy of *Bacillus subtilis* and *Enterococcus faecium* in IBS-D.

Scandinavian journal of gastroenterology , Volume: 58 Issue: 4 2023 Apr

Authors Hong G,Li Y,Yang M,Li G,Jin Y,Xiong H,Qian W,Hou X

Jerusalem artichoke inulin supplementation ameliorates hepatic lipid metabolism in type 2 diabetes mellitus mice by modulating the gut microbiota and fecal metabolome.

Food & function , Volume: 13 Issue: 22 2022 Nov 14

Authors Li J,Jia S,Yuan C,Yu B,Zhang Z,Zhao M,Liu P,Li X,Cui B

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

Frontiers in microbiology , Volume: 13 2022

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

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

Frontiers in nutrition , Volume: 9 2022

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

Lactobacillus delbrueckii might lower serum triglyceride levels via colonic microbiota modulation and SCFA-mediated fat metabolism in parenteral tissues of growing-finishing pigs.

Frontiers in veterinary science , Volume: 9 2022

Authors Hou G,Yin J,Wei L,Li R,Peng W,Yuan Y,Huang X,Yin Y

Probiotic effects of *Lactacaseibacillus rhamnosus* 1155 and *Limosilactobacillus fermentum* 2644 on hyperuricemic rats.

Frontiers in nutrition , Volume: 9 2022

Authors Li Y,Zhu J,Lin G,Gao K,Yu Y,Chen S,Chen L,Chen Z,Li L

Treadmill Exercise Modulates Intestinal Microbes and Suppresses LPS Displacement to Alleviate Neuroinflammation in the Brains of APP/PS1 Mice.

Nutrients , Volume: 14 Issue: 19 2022 Oct 5

Authors Yuan S,Yang J,Jian Y,Lei Y,Yao S,Hu Z,Liu X,Tang C,Liu W

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

Research in veterinary science , Volume: 152 2022 Dec 20

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

Role of a probiotic strain in the modulation of gut microbiota and cytokines in inflammatory bowel disease.

Anaerobe , Volume: 78 2022 Dec

Authors Barnola VD,Dubey D,Samanta P,Kedia S,Ahuja V,Madempudi RS,Neelamraju J,Chaudhry R

Swimming exercise ameliorates depressive-like behavior by anti-inflammation activity, rebalancing gut *Escherichia coli* and *Lactobacilli*.

Brain research , Volume: 1797 2022 Dec 15

Authors Ding Z,Du L

Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.

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

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

Synbiotic microencapsulation of Enterococcus faecium Rp1: a potential probiotic isolated from ragi porridge with antiproliferative property against colon carcinoma cell line.

Journal of food science and technology , Volume: 59 Issue: 10 2022 Oct

Authors Ashwanandhini G,Reshma R,Preetha R

Supplemental Clostridium butyricum MIYAIRI 588 Affects Intestinal Bacterial Composition of Finishing Pigs.

Microbes and environments , Volume: 37 Issue: 3 2022

Authors Hirata M,Matsuoka M,Hashimoto T,Oura T,Ohnuki Y,Yoshida C,Minemura A,Miura D,Oka K,Takahashi M,Morimatsu F

Lactobacillus plantarum ST-III modulates abnormal behavior and gut microbiota in a mouse model of autism spectrum disorder.

Physiology & behavior , Volume: 257 2022 Dec 1

Authors Guo M,Li R,Wang Y,Ma S,Zhang Y,Li S,Zhang H,Liu Z,You C,Zheng H

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

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

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

Characteristics of salivary microbiota in children with obstructive sleep apnea: A prospective study with polysomnography.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Huang X,Chen X,Gong X,Xu Y,Xu Z,Gao X

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

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

Frontiers in nutrition , Volume: 9 2022

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

The antidiabetic effects of Bifidobacterium longum subsp. longum BL21 through regulating gut microbiota structure in type 2 diabetic mice.

Food & function , Volume: 13 Issue: 19 2022 Oct 3

Authors Hao J,Zhang Y,Wu T,Liu R,Sui W,Zhu J,Fang S,Geng J,Zhang M

Milk fat globule membrane supplementation to obese rats during pregnancy and lactation promotes neurodevelopment in offspring via modulating gut microbiota.

Frontiers in nutrition , Volume: 9 2022

Authors Yuan Q,Gong H,Du M,Li T,Mao X

Curcumin-driven reprogramming of the gut microbiota and metabolome ameliorates motor deficits and neuroinflammation in a mouse model of Parkinson's disease.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Cui C,Han Y,Li H,Yu H,Zhang B,Li G

Different effects of Bacillus coagulans vegetative cells and spore isolates on constipation-induced gut microbiota dysbiosis in mice.

Food & function , Volume: 13 Issue: 18 2022 Sep 22

Authors Li L,Liu B,Cao J,Zhang H,Tian F,Yu L,Chen W,Zhai Q

Chicken Gut Microbiota Responses to Dietary Bacillus subtilis Probiotic in the Presence and Absence of Eimeria Infection.

Microorganisms , Volume: 10 Issue: 8 2022 Jul 31

Authors Memon FU,Yang Y,Zhang G,Leghari IH,Lv F,Wang Y,Laghari F,Khushk FA,Si H

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

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

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

Selenium-enriched Bifidobacterium longum DD98 effectively ameliorates dextran sulfate sodium-induced ulcerative colitis in mice.

Frontiers in microbiology , Volume: 13 2022

Authors Hu Y,Jin X,Gao F,Lin T,Zhu H,Hou X,Yin Y,Kan S,Chen D

Bacillus subtilis-Fermented Products Ameliorate the Growth Performance, Alleviate Intestinal Inflammatory Gene Expression, and Modulate Cecal Microbiota Community in Broilers during the Starter Phase under Dextran Sulfate Sodium

Challenge.**The journal of poultry science** , Volume: 59 Issue: 3 2022 Jul 25

Authors Chen JY,Yu YH

Bifidobacterium longum CECT 7894 Improves the Efficacy of Infliximab for DSS-Induced Colitis via Regulating the Gut Microbiota and Bile Acid Metabolism.**Frontiers in pharmacology** , Volume: 13 2022

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

Effects of short-term feeding with high fiber diets on growth, utilization of dietary fiber, and microbiota in pigs.**Frontiers in microbiology** , Volume: 13 2022

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

Elucidation of Anti-Hypertensive Mechanism by a Novel Lactobacillus rhamnosus AC1 Fermented Soymilk in the Deoxycorticosterone Acetate-Salt Hypertensive Rats.**Nutrients** , Volume: 14 Issue: 15 2022 Aug 2

Authors Wu H,Jiang L,Shum TF,Chiou J

Effect of Intensity and Duration of Exercise on Gut Microbiota in Humans: A Systematic Review.**International journal of environmental research and public health** , Volume: 19 Issue: 15 2022 Aug 3

Authors Bonomini-Gnutzmann R,Plaza-Díaz J,Jorquera-Aguilera C,Rodríguez-Rodríguez A,Rodríguez-Rodríguez F

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

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

On the effect of flavonoids and dietary fibre in lingonberries on atherosclerotic plaques, lipid profiles and gut microbiota composition in Apoe(-/-) mice.**International journal of food sciences and nutrition** , Volume: 73 Issue: 8 2022 Dec

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

Probiotic Lactobacillus rhamnosus GR-1 supplementation attenuates Pb-induced learning and memory deficits by reshaping the gut microbiota.**Frontiers in nutrition** , Volume: 9 2022

Authors Gu X,Bi N,Wang T,Huang C,Wang R,Xu Y,Wang HL

Consumption of Wheat Peptides Improves Functional Constipation: A Translational Study in Humans and Mice.**Molecular nutrition & food research** , Volume: 66 Issue: 19 2022 Oct

Authors Wang Q,Shen F,Zhang J,Cai H,Pan Y,Sun T,Gong Y,Du J,Zhong H,Feng F

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

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

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

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

In Vitro Analysis of Extracts of Plant Used in Mexican Traditional Medicine, Which Are Useful to Combat Clostridioides difficile Infection.**Pathogens (Basel, Switzerland)** , Volume: 11 Issue: 7 2022 Jul 7

Authors Martínez-Alva JE,Espinoza-Simón E,Bayona-Pérez Y,Ruiz-Pérez NC,Ochoa SA,Xicohtencatl-Cortés J,Torres J,Romo-Castillo M

Limosilactobacillus reuteri Attenuates Atopic Dermatitis via Changes in Gut Bacteria and Indole Derivatives from Tryptophan Metabolism.**International journal of molecular sciences** , Volume: 23 Issue: 14 2022 Jul 13

Authors Fang Z,Pan T,Wang H,Zhu J,Zhang H,Zhao J,Chen W,Lu W

Inulin-type fructans change the gut microbiota and prevent the development of diabetic nephropathy.**Pharmacological research** , Volume: 183 2022 Sep

Authors Luo L,Luo J,Cai Y,Fu M,Li W,Shi L,Liu J,Dong R,Xu X,Tu L,Yang Y

Gender-based effect of absence of gut microbiota on the protective efficacy of Bifidobacterium longum-fermented rice bran diet against inflammation-associated colon tumorigenesis.**Molecular carcinogenesis** , Volume: 61 Issue: 10 2022 Oct

Authors Kumar R,Maurya AK,Parker KD,Kant R,Ibrahim H,Kabir MI,Kumar D,Weber AM,Agarwal R,Kuhn KA,Ryan EP,Raina K

Recombinant Bifidobacterium longum Carrying Endostatin Protein Alleviates Dextran Sodium Sulfate-Induced Colitis and Colon Cancer in Rats.**Frontiers in microbiology** , Volume: 13 2022

Authors Bi Z,Cui E,Yao Y,Chang X,Wang X,Zhang Y,Xu GX,Zhuang H,Hua ZC

[Lactobacillus plantarum Alleviates Obesity by Altering the Composition of the Gut Microbiota in High-Fat Diet-Fed Mice.](#)

Frontiers in nutrition , Volume: 9 2022

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

[Lactocaseibacillus rhamnosus Fmb14 prevents purine induced hyperuricemia and alleviate renal fibrosis through gut-kidney axis.](#)

Pharmacological research , Volume: 182 2022 Aug

Authors Zhao H,Chen X,Zhang L,Meng F,Zhou L,Pang X,Lu Z,Lu Y

[Effect of voluntary wheel running on gut microbiota composition in developing mice.](#)

Nutricion hospitalaria , Volume: 39 Issue: 4 2022 Aug 25

Authors Wan C,Liu ZB,Tan H,Zhang Z,Zhou Q,Yao LH,Meng W,Wang S

[Discovery of Quercetin and Its Analogs as Potent OXA-48 Beta-Lactamase Inhibitors.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Zhang Y,Chen C,Cheng B,Gao L,Qin C,Zhang L,Zhang X,Wang J,Wan Y

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

Nutrients , Volume: 14 Issue: 13 2022 Jul 4

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

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

Nutrients , Volume: 14 Issue: 13 2022 Jun 30

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

[Functional Fiber Reduces Mice Obesity by Regulating Intestinal Microbiota.](#)

Nutrients , Volume: 14 Issue: 13 2022 Jun 28

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

[Lactocaseibacillus rhamnosus LS8 Ameliorates Azoxymethane/Dextran Sulfate Sodium-Induced Colitis-Associated Tumorigenesis in Mice via Regulating Gut Microbiota and Inhibiting Inflammation.](#)

Probiotics and antimicrobial proteins , Volume: 14 Issue: 5 2022 Oct

Authors Wang T,Zheng J,Dong S,Ismael M,Shan Y,Wang X,Lü X

[Hepatoprotective effect of curcumin against bisphenol A-induced hepatic steatosis via modulating gut microbiota dysbiosis and related gut-liver axis activation in CD-1 mice.](#)

The Journal of nutritional biochemistry , Volume: 109 2022 Nov

Authors Hong T,Jiang X,Zou J,Yang J,Zhang H,Mai H,Ling W,Feng D

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

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

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

[Fermented milk of cheese-derived Lactobacillus delbrueckii subsp. bulgaricus displays potentials in alleviating alcohol-induced hepatic injury and gut dysbiosis in mice.](#)

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

Authors Liu M,Liu M,Yang S,Shen C,Wang X,Liu W,Guo Y

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

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

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

[Regulatory Effect of Lactiplantibacillus plantarum 2-33 on Intestinal Microbiota of Mice With Antibiotic-Associated Diarrhea.](#)

Frontiers in nutrition , Volume: 9 2022

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

[Oral administration of octacosanol modulates the gut bacteria and protects the intestinal barrier in ulcerative colitis mice.](#)

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

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

[Effects of Lactobacillus curvatus HY7601 and Lactobacillus plantarum KY1032 on Overweight and the Gut Microbiota in Humans: Randomized, Double-Blinded, Placebo-Controlled Clinical Trial.](#)

Nutrients , Volume: 14 Issue: 12 2022 Jun 15

Authors Mo SJ,Lee K,Hong HJ,Hong DK,Jung SH,Park SD,Shim JJ,Lee JL

[Lactobacillus plantarum FRT4 alleviated obesity by modulating gut microbiota and liver metabolome in high-fat diet-induced obese mice.](#)

Food & nutrition research , Volume: 66 2022

Authors Cai H,Wen Z,Zhao L,Yu D,Meng K,Yang P

Effect of dietary *Bacillus coagulans* on the performance and intestinal microbiota of weaned piglets.

Animal : an international journal of animal bioscience , Volume: 16 Issue: 7 2022 Jul

Authors Sun T,Miao H,Zhang C,Wang Y,Liu S,Jiao P,Li W,Li Y,Huang Z

Protective effects of *Lactacisibacillus rhamnosus* Hao9 on dextran sulphate sodium-induced ulcerative colitis in mice.

Journal of applied microbiology , Volume: 133 Issue: 3 2022 Sep

Authors Han M,Liao W,Si X,Bai C,Gai Z

Saccharomyces boulardii, a yeast probiotic, inhibits gut motility through upregulating intestinal serotonin transporter and modulating gut microbiota.

Pharmacological research , Volume: 181 2022 Jul

Authors Gu Y,Wang C,Qin X,Zhou B,Liu X,Liu T,Xie R,Liu J,Wang B,Cao H

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

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

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

In vitro Intervention of *Lactobacillus paracasei* N1115 Can Alter Fecal Microbiota and Their SCFAs Metabolism of Pregnant Women with Constipation and Diarrhea.

Current microbiology , Volume: 79 Issue: 7 2022 Jun 7

Authors Dang C,Zhao K,Xun Y,Feng L,Zhang D,Cui L,Cui Y,Jia X,Wang S

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

Frontiers in pharmacology , Volume: 13 2022

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

The Probiotic *Lactobacillus paracasei* Ameliorates Diarrhea Cause by *Escherichia coli* O(8) via Gut Microbiota Modulation(1).

Frontiers in nutrition , Volume: 9 2022

Authors Ren S,Wang C,Chen A,Lv W,Gao R

Synergy of Dietary Quercetin and Vitamin E Improves Cecal Microbiota and Its Metabolite Profile in Aged Breeder Hens.

Frontiers in microbiology , Volume: 13 2022

Authors Amevor FK,Cui Z,Du X,Feng J,Shu G,Ning Z,Xu D,Deng X,Song W,Wu Y,Cao X,Wei S,He J,Kong F,Du X,Tian Y,Karikari B,Li D,Wang Y,Zhang Y,Zhu Q,Zhao X

Lactobacillus reuteri J1 prevents obesity by altering the gut microbiota and regulating bile acid metabolism in obese mice.

Food & function , Volume: 13 Issue: 12 2022 Jun 20

Authors Zhang C,Fang R,Lu X,Zhang Y,Yang M,Su Y,Jiang Y,Man C

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

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

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

Bifidobacterium longum CCFM752 prevented hypertension and aortic lesion, improved antioxidative ability, and regulated the gut microbiome in spontaneously hypertensive rats.

Food & function , Volume: 13 Issue: 11 2022 Jun 6

Authors Lu W,Wang Y,Fang Z,Wang H,Zhu J,Zhai Q,Zhao J,Zhang H,Chen W

Lactobacillus acidophilus and HKL Suspension Alleviates Ulcerative Colitis in Rats by Regulating Gut Microbiota, Suppressing TLR9, and Promoting Metabolism.

Frontiers in pharmacology , Volume: 13 2022

Authors Aximujiang K,Kaheman K,Wushouer X,Wu G,Ahemaiti A,Yunusi K

Curcumin Supplementation Ameliorates Bile Cholesterol Supersaturation in Hamsters by Modulating Gut Microbiota and Cholesterol Absorption.

Nutrients , Volume: 14 Issue: 9 2022 Apr 27

Authors Hong T,Zou J,Jiang X,Yang J,Cao Z,He Y,Feng D

Novel strategies of essential oils, chitosan, and nano- chitosan for inhibition of multi-drug resistant: *E. coli* O157:H7 and *Listeria monocytogenes*.

Saudi journal of biological sciences , Volume: 29 Issue: 4 2022 Apr

Authors El-Zehery HRA,Zaghloul RA,Abdel-Rahman HM,Salem AA,El-Dougdoug KA

Pomegranate juice alters the microbiota in breast milk and infant stool: a pilot study.

Food & function , Volume: 13 Issue: 10 2022 May 23

Authors Henning SM,Yang J,Lee RP,Huang J,Thames G,Korn M,Ben-Nissan D,Heber D,Li Z

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

Frontiers in microbiology , Volume: 13 2022

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

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

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

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

Bacillus amyloliquefaciens SC06 alleviates the obesity of ob/ob mice and improves their intestinal microbiota and bile acid metabolism.

Food & function , Volume: 13 Issue: 9 2022 May 10

Authors Zeng Z,Zhou Y,Xu Y,Wang S,Wang B,Zeng Z,Wang Q,Ye X,Jin L,Yue M,Tang L,Zou P,Zhao P,Li W

Lactobacillus casei Improve Anti-Tuberculosis Drugs-Induced Intestinal Adverse Reactions in Rat by Modulating Gut Microbiota and Short-Chain Fatty Acids.

Nutrients , Volume: 14 Issue: 8 2022 Apr 17

Authors Li Y,Zhao L,Hou M,Gao T,Sun J,Luo H,Wang F,Zhong F,Ma A,Cai J

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

Frontiers in microbiology , Volume: 13 2022

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

Administration of Aspergillus oryzae suppresses DSS-induced colitis.

Food chemistry. Molecular sciences , Volume: 4 2022 Jul 30

Authors Nomura R,Tsuzuki S,Kojima T,Nagasawa M,Sato Y,Uefune M,Baba Y,Hayashi T,Nakano H,Kato M,Shimizu M

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

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

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

Classification of the Occurrence of Dyslipidemia Based on Gut Bacteria Related to Barley Intake.

Frontiers in nutrition , Volume: 9 2022

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

Lactobacillus paracasei 24 Attenuates Lipid Accumulation in High-Fat Diet-Induced Obese Mice by Regulating the Gut Microbiota.

Journal of agricultural and food chemistry , Volume: 70 Issue: 15 2022 Apr 20

Authors Liu Z,Zhou X,Wang W,Gu L,Hu C,Sun H,Xu C,Hou J,Jiang Z

Intestinal Mucosal Immunity-Mediated Modulation of the Gut Microbiome by Oral Delivery of Enterococcus faecium Against Salmonella Enteritidis Pathogenesis in a Laying Hen Model.

Frontiers in immunology , Volume: 13 2022

Authors Huang S,Rong X,Liu M,Liang Z,Geng Y,Wang X,Zhang J,Ji C,Zhao L,Ma Q

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

Frontiers in nutrition , Volume: 9 2022

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

Effects of the potential probiotic Bacillus subtilis D1-2 on growth, digestion, immunity and intestinal flora in juvenile sea cucumber, Apostichopus japonicus.

Fish & shellfish immunology , Volume: 124 2022 May

Authors Wang M,Lv C,Chen Y,Bi X,Yang D,Zhao J

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

Journal of immunology research , Volume: 2022 2022

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

Spirulina platensis biomass enhances the proliferation rate of Lactobacillus acidophilus 5 (La-5) and combined with La-5 impact the gut microbiota of medium-age healthy individuals through an in vitro gut microbiome model.

Food research international (Ottawa, Ont.) , Volume: 154 2022 Apr

Authors Barros de Medeiros VP,Salgado MK,Pimentel TC,Rodrigues da Silva TC,Sartoratto A,Lima MDS,Sassi CFDC,Mesa V,Magnani M,Sivieri K

The Relationship between Physical Activity, Physical Exercise, and Human Gut Microbiota in Healthy and Unhealthy Subjects: A Systematic Review.

Biology , Volume: 11 Issue: 3 2022 Mar 21

Authors Cataldi S,Bonavolontà V,Poli L,Clemente FM,De Candia M,Carvutto R,Silva AF,Badicu G,Greco G,Fischetti F

Lactobacillus reuteri CCFM8631 Alleviates Hypercholesterolaemia Caused by the Paigen Atherogenic Diet by Regulating the Gut Microbiota.

Nutrients , Volume: 14 Issue: 6 2022 Mar 17

Authors Wang Q,He Y,Li X,Zhang T,Liang M,Wang G,Zhao J,Zhang H,Chen W

Bacillus subtilis WB800N alleviates diabetic wounds in mice by regulating gut microbiota homeostasis and TLR2

Journal of applied microbiology , Volume: 133 Issue: 2 2022 Aug

Authors Mi J,Xie C,Zeng L,Zhu Z,Chen N,He Q,Xu X,Xie H,Zhou J,Li L,Liao J

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

Low Dose of Sucralose Alter Gut Microbiome in Mice.

Frontiers in nutrition , Volume: 9 2022

Authors Zheng Z,Xiao Y,Ma L,Lyu W,Peng H,Wang X,Ren Y,Li J

Different Alterations in Gut Microbiota between Bifidobacterium longum and Fecal Microbiota Transplantation Treatments in Propionic Acid Rat Model of Autism.

Nutrients , Volume: 14 Issue: 3 2022 Jan 30

Authors Abujaamel TS,Al-Otaibi NM,Abuaish S,AlHarbi RH,Assas MB,Alzahrani SA,Alotaibi SM,El-Ansary A,Aabed K

Uremia-Induced Gut Barrier Defect in 5/6 Nephrectomized Mice Is Worsened by Candida Administration through a Synergy of Uremic Toxin, Lipopolysaccharide, and (1 $\rightarrow$ 3)- β -D-Glucan, but Is Attenuated by Lactocaseibacillus rhamnosus L34.

International journal of molecular sciences , Volume: 23 Issue: 5 2022 Feb 24

Authors Tungsanga S,Panpetch W,Bhunyakarnjanarat T,Udompornpitak K,Katavetin P,Chanchaoenthana W,Chatthanathon P,Somboonna N,Tungsanga K,Tumwasorn S,Leelahavanichkul A

Effect of Dietary Bacillus licheniformis Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.

Frontiers in veterinary science , Volume: 9 2022

Authors Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z

An Integrative Multiomics Approach to Characterize Prebiotic Inulin Effects on Faecalibacterium prausnitzii.

Frontiers in bioengineering and biotechnology , Volume: 10 2022

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

Effects of drinking water supplementation with Lactobacillus reuteri, and a mixture of reuterin and microcin J25 on the growth performance, caecal microbiota and selected metabolites of broiler chickens.

Journal of animal science and biotechnology , Volume: 13 Issue: 1 2022 Mar 5

Authors Zhang L,Ben Said L,Hervé N,Zirah S,Diarra MS,Fliss I

Effects of Live Combined Bacillus subtilis and Enterococcus faecium on Gut Microbiota Composition in C57BL/6 Mice and in Humans.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Pi X,Teng W,Fei D,Zhao G,Liu W

Bacillus subtilis inhibits intestinal inflammation and oxidative stress by regulating gut flora and related metabolites in laying hens.

Animal : an international journal of animal bioscience , Volume: 16 Issue: 3 2022 Mar

Authors Zou XY,Zhang M,Tu WJ,Zhang Q,Jin ML,Fang RD,Jiang S

Beneficial Effects of Partly Milled Highland Barley on the Prevention of High-Fat Diet-Induced Glycometabolic Disorder and the Modulation of Gut Microbiota in Mice.

Nutrients , Volume: 14 Issue: 4 2022 Feb 11

Authors Li S,Wang M,Li C,Meng Q,Meng Y,Ying J,Bai S,Shen Q,Xue Y

Ten-Week Sucralose Consumption Induces Gut Dysbiosis and Altered Glucose and Insulin Levels in Healthy Young Adults.

Microorganisms , Volume: 10 Issue: 2 2022 Feb 14

Authors Méndez-García LA,Bueno-Hernández N,Cid-Soto MA,De León KL,Mendoza-Martínez VM,Espinosa-Flores AJ,Carrero-Aguirre M,Esquivel-Velázquez M,León-Hernández M,Viurcos-Sanabria R,Ruiz-Barranco A,Cota-Arce JM,Álvarez-Lee A,De León-Nava MA,Meléndez G,Escobedo G

Cigarette Smoking and Human Gut Microbiota in Healthy Adults: A Systematic Review.

Biomedicines , Volume: 10 Issue: 2 2022 Feb 21

Authors Antinozzi M,Giffi M,Sini N,Gallè F,Valeriani F,De Vito C,Liguori G,Romano Spica V,Cattaruzza MS

Effect of Clostridium butyricum on Gastrointestinal Infections.

Biomedicines , Volume: 10 Issue: 2 2022 Feb 18

Authors Ariyoshi T,Hagihara M,Takahashi M,Mikamo H

Response of Milk Performance, Rumen and Hindgut Microbiome to Dietary Supplementation with Aspergillus oryzae Fermentation Extracts in Dairy Cows.

Current microbiology , Volume: 79 Issue: 4 2022 Feb 20

Authors Zhang J,Jin W,Jiang Y,Xie F,Mao S

Curcumin Alleviates Dextran Sulfate Sodium-Induced Colitis in Mice Through Regulating Gut Microbiota.

Molecular nutrition & food research , Volume: 66 Issue: 8 2022 Apr

Authors Guo X,Xu Y,Geng R,Qiu J,He X

[Gallic Acid Alleviates Gut Dysfunction and Boosts Immune and Antioxidant Activities in Puppies Under Environmental Stress Based on Microbiome-Metabolomics Analysis.](#)**Frontiers in immunology , Volume: 12 2021**

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

[Bifidobacterium animalis subsp. lactis BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.](#)**Frontiers in nutrition , Volume: 8 2021**

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

[Effects of Bacillus amyloliquefaciens TL106 Isolated from Tibetan Pigs on Probiotic Potential and Intestinal Microbes in Weaned Piglets.](#)**Microbiology spectrum , Volume: 10 Issue: 1 2022 Jan 26**

Authors Du H,Yao W,Kulyar MF,Ding Y,Zhu H,Pan H,Li K,Bhutta ZA,Liu S,Li J

[Orange Pectin with Compact Conformation Effectively Alleviates Acute Colitis in Mice.](#)**Journal of agricultural and food chemistry , Volume: 70 Issue: 5 2022 Feb 9**

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

[Bifidobacterium bifidum Shows More Diversified Ways of Relieving Non-Alcoholic Fatty Liver Compared with Bifidobacterium adolescentis.](#)**Biomedicines , Volume: 10 Issue: 1 2021 Dec 31**

Authors Wang L,Jiao T,Yu Q,Wang J,Wang L,Wang G,Zhang H,Zhao J,Chen W

[Oligosaccharide and Flavanoid Mediated Prebiotic Interventions to Treat Gut Dysbiosis Associated Cognitive Decline.](#)**Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology , Volume: 17 Issue: 1-2 2022 Jun**

Authors Sarkar SR,Mazumder PM,Banerjee S

[Dietary Supplementation with Goji Berries \(Lycium barbarum\) Modulates the Microbiota of Digestive Tract and Caecal Metabolites in Rabbits.](#)**Animals : an open access journal from MDPI , Volume: 12 Issue: 1 2022 Jan 5**

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

[Curcumin Supplementation \(Meriva®\) Modulates Inflammation, Lipid Peroxidation and Gut Microbiota Composition in Chronic Kidney Disease.](#)**Nutrients , Volume: 14 Issue: 1 2022 Jan 5**

Authors Pivari F,Mingione A,Piazzini G,Ceccarani C,Ottaviano E,Brasacchio C,Dei Cas M,Vischi M,Cozzolino MG,Fogagnolo P,Riva A,Petrangolini G,Barrea L,Di Renzo L,Borghi E,Signorelli P,Paroni R,Soldati L

[A Synbiotic Formulation Comprising Bacillus subtilis DSM 32315 and L-Alanyl-L-Glutamine Improves Intestinal Butyrate Levels and Lipid Metabolism in Healthy Humans.](#)**Nutrients , Volume: 14 Issue: 1 2021 Dec 29**

Authors Tom Dieck H,Schön C,Wagner T,Pankoke HC,Fluegel M,Speckmann B

[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

[Adjunctive Probiotic Lactobacillus rhamnosus Probio-M9 Administration Enhances the Effect of Anti-PD-1 Antitumor Therapy via Restoring Antibiotic-Disrupted Gut Microbiota.](#)**Frontiers in immunology , Volume: 12 2021**

Authors Gao G,Ma T,Zhang T,Jin H,Li Y,Kwok LY,Zhang H,Sun Z

[The Prebiotic Effects of Oats on Blood Lipids, Gut Microbiota, and Short-Chain Fatty Acids in Mildly Hypercholesterolemic Subjects Compared With Rice: A Randomized, Controlled Trial.](#)**Frontiers in immunology , Volume: 12 2021**

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

[Dietary Quercetin Supplementation Attenuates Diarrhea and Intestinal Damage by Regulating Gut Microbiota in Weanling Piglets.](#)**Oxidative medicine and cellular longevity , Volume: 2021 2021**

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

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

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

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

[Lactocaseibacillus casei Strain T21 Attenuates Clostridioides difficile Infection in a Murine Model Through Reduction of Inflammation and Gut Dysbiosis With Decreased Toxin Lethality and Enhanced Mucin Production.](#)**Frontiers in microbiology , Volume: 12 2021**

Authors Panpetch W,Phuengmaung P,Cheibchalard T,Somboonna N,Leelahavanichkul A,Tumwasorn S

[Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients.](#)**Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec**

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

[Bifidobacterium longum subsp. longum 5^{1A} attenuates intestinal injury against irinotecan-induced mucositis in mice.](#)**Life sciences , Volume: 289 2022 Jan 15**

Authors Quintanilha MF,Miranda VC,Souza RO,Gallotti B,Cruz C,Santos EA,Alvarez-Leite JJ,Jesus LCL,Azevedo V,Trindade LM,Cardoso VN,Ferreira E,Carvalho BA,Soares PMG,Vieira AT,Nicoli JR,Martins FS

[Nine weeks of high-intensity indoor cycling training induced changes in the microbiota composition in non-athlete healthy male college students.](#)**Journal of the International Society of Sports Nutrition , Volume: 18 Issue: 1 2021 Dec 18**

Authors Donati Zeppa S,Amatori S,Sisti D,Gervasi M,Agostini D,Piccoli G,Pazienza V,Gobbi P,Rocchi MBL,Sestili P,Stocchi V

[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

[Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats.](#)**Frontiers in cellular and infection microbiology , Volume: 11 2021**

Authors Wang X,Ye P,Fang L,Ge S,Huang F,Polverini PJ,Heng W,Zheng L,Hu Q,Yan F,Wang W

[Fructooligosaccharides Increase in Plasma Concentration of \(-\)-Epigallocatechin-3-Gallate in Rats.](#)**Journal of agricultural and food chemistry , Volume: 69 Issue: 49 2021 Dec 15**

Authors Unno T,Araki Y,Inagaki S,Kobayashi M,Ichitani M,Takahara T,Kinugasa H

[*Bacillus subtilis* Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with *Schistosoma japonicum*.](#)**Frontiers in cell and developmental biology , Volume: 9 2021**

Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

[Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.](#)**Frontiers in immunology , Volume: 12 2021**

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

[Polydextrose with and without *Bifidobacterium animalis* ssp. *lactis* 420 drives the prevalence of *Akkermansia* and improves liver health in a multi-compartmental obesogenic mice study.](#)**PloS one , Volume: 16 Issue: 12 2021**

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

[Gut microbiome and metabolome in a non-human primate model of chronic excessive alcohol drinking.](#)**Translational psychiatry , Volume: 11 Issue: 1 2021 Dec 1**

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

[A Pilot Study of the Effect of *Lactobacillus casei* Obtained from Long-Lived Elderly on Blood Biochemical, Oxidative, and Inflammatory Markers, and on Gut Microbiota in Young Volunteers.](#)**Nutrients , Volume: 13 Issue: 11 2021 Oct 29**

Authors Mei LH,Zheng WX,Zhao ZT,Meng N,Zhang QR,Zhu WJ,Li RD,Liang XL,Li QY

[*Lactobacillus casei* Zhang exerts probiotic effects to antibiotic-treated rats.](#)**Computational and structural biotechnology journal , Volume: 19 2021**

Authors Yao G,Cao C,Zhang M,Kwok LY,Zhang H,Zhang W

[*Lactobacillus rhamnosus* Strain LRH05 Intervention Ameliorated Body Weight Gain and Adipose Inflammation via Modulating the Gut Microbiota in High-Fat Diet-Induced Obese Mice.](#)**Molecular nutrition & food research , Volume: 66 Issue: 1 2022 Jan**

Authors Chen YT,Chiou SY,Hsu AH,Lin YC,Lin JS

[Inulin-grown *Faecalibacterium prausnitzii* cross-feeds fructose to the human intestinal epithelium.](#)**Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec**

Authors Fagundes RR,Bourgonje AR,Saeed A,Vich Vila A,Plomp N,Blokkzijl T,Sadaghian Sadabad M,von Martels JZH,van Leeuwen SS,Weersma RK,Dijkstra G,Harmsen HJM,Faber KN

Metagenomic Analysis of Intestinal Microbiota in Flolated Rats.

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

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

Beneficial effect of whole-grain wheat on liver fat: a role for the gut microbiota?

Hepatobiliary surgery and nutrition , Volume: 10 Issue: 5 2021 Oct

Authors Gérard P

Protective Effects of *Bacillus amyloliquefaciens* 40 Against *Clostridium perfringens* Infection in Mice.

Frontiers in nutrition , Volume: 8 2021

Authors Jiang Z,Li W,Su W,Wen C,Gong T,Zhang Y,Wang Y,Jin M,Lu Z

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

Carbohydrate polymers , Volume: 275 2022 Jan 1

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

Effect of organic acids-essential oils blend and oat fiber combination on broiler chicken growth performance, blood parameters, and intestinal health.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 4 2021 Dec

Authors Adewole DI,Oladokun S,Santin E

In Vitro Transformation of Protopanaxadiol Saponins in Human Intestinal Flora and Its Effect on Intestinal Flora.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2021 2021

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

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

Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.

Journal of animal science , 2021 Oct 23

Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

Alleviation Effects of *Bifidobacterium animalis* subsp. *lactis* XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.

Microorganisms , Volume: 9 Issue: 10 2021 Oct 3

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

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

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

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

Lactobacillus rhamnosus ProBio-M9 Improves the Quality of Life in Stressed Adults by Gut Microbiota.

Foods (Basel, Switzerland) , Volume: 10 Issue: 10 2021 Oct 8

Authors Zheng Y,Yu Z,Zhang W,Sun T

Alterations in Faecal Microbiota and Elevated Levels of Intestinal IgA Following Oral Administration of *Lactocaseibacillus casei* in mice.

Probiotics and antimicrobial proteins , Volume: 15 Issue: 3 2023 Jun

Authors Aindelis G,Ypsilantis P,Chlichlia K

Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces *Enterobacteriaceae* Family Abundance and Elevates Propionate in a Bioreactor Model.

Frontiers in microbiology , Volume: 12 2021

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

Influence of Diet on the Effect of the Probiotic *Lactobacillus paracasei* in Rats Suffering From Allergic Asthma.

Frontiers in microbiology , Volume: 12 2021

Authors Xie A,Song J,Lu S,Liu Y,Tang L,Wen S

Gut microbiota mediates the effects of inulin on enhancing sulfomucin production and mucosal barrier function in a pig model.

Food & function , Volume: 12 Issue: 21 2021 Nov 1

Authors Xia B,Wu W,Zhang L,Wen X,Xie J,Zhang H

Unravelling the collateral damage of antibiotics on gut bacteria.

Nature , Volume: 599 Issue: 7883 2021 Nov

Authors Maier L,Goemans CV,Wirbel J,Kuhn M,Eberl C,Pruteanu M,Müller P,Garcia-Santamarina S,Cacace E,Zhang B,Gekeler C,Banerjee T,Anderson EE,Milanese A,Löber U,Forslund SK,Patil KR,Zimmermann M,Stecher B,Zeller G,Bork P,Typas A

Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.

Microbiology spectrum , 2021 Oct 6

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

Treatment with a spore-based probiotic containing five strains of *Bacillus* induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.

Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov

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

Early-life polyphenol intake promotes *Akkermansia* growth and increase of host goblet cells in association with the potential synergistic effect of *Lactobacillus*.

Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov

Authors Lu F,Li Y,Wang X,Hu X,Liao X,Zhang Y

Gut microbiota link dietary fiber intake and short-chain fatty acid metabolism with eating behavior.

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

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

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

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

Authors Cuisiniere T,Calvé A,Fragoso G,Oliero M,Hajjar R,Gonzalez E,Santos MM

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

Intake of *Koji Amazake* Improves Defecation Frequency in Healthy Adults.

Journal of fungi (Basel, Switzerland) , Volume: 7 Issue: 9 2021 Sep 21

Authors Kurahashi A,Enomoto T,Oguro Y,Kojima-Nakamura A,Kodaira K,Watanabe K,Ozaki N,Goto H,Hirayama M

Lactobacillus reuteri FYNJ109L1 Attenuating Metabolic Syndrome in Mice via Gut Microbiota Modulation and Alleviating Inflammation.

Foods (Basel, Switzerland) , Volume: 10 Issue: 9 2021 Sep 2

Authors Yang B,Zheng F,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

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

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

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

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

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

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

Ketogenic diet aggravates colitis, impairs intestinal barrier and alters gut microbiota and metabolism in DSS-induced mice.

Food & function , Volume: 12 Issue: 20 2021 Oct 19

Authors Li S,Zhuge A,Wang K,Lv L,Bian X,Yang L,Xia J,Jiang X,Wu W,Wang S,Wang Q,Li L

Selenium-Enriched *Lactobacillus acidophilus* Ameliorates Dextran Sulfate Sodium-Induced Chronic Colitis in Mice by Regulating Inflammatory Cytokines and Intestinal Microbiota.

Frontiers in medicine , Volume: 8 2021

Authors Wu Z,Pan D,Jiang M,Sang L,Chang B

Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.

Journal of the science of food and agriculture , Volume: 102 Issue: 5 2022 Mar 30

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

Lactobacillus paracasei NK112 mitigates *Escherichia coli*-induced depression and cognitive impairment in mice by regulating IL-6 expression and gut microbiota.

Beneficial microbes , 2021 Sep 13

Authors Yun SW,Kim JK,Han MJ,Kim DH

Effects of Dietary Supplementation of *Lactobacillus delbrueckii* on Gut Microbiome and Intestinal Morphology in Weaned Piglets.

Frontiers in veterinary science , Volume: 8 2021

Authors Wang XL,Liu ZY,Li YH,Yang LY,Yin J,He JH,Hou DX,Liu YL,Huang XG

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

The Journal of nutrition , 2021 Sep 6

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

[Quercetin modulates the gut microbiota as well as the metabolome in a rat model of osteoarthritis.](#)

Bioengineered , Volume: 12 Issue: 1 2021 Dec

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

[Effects of Bacillus subtilis on jejunal integrity, redox status, and microbial composition of intrauterine growth restriction suckling piglets.](#)

Journal of animal science , Volume: 99 Issue: 10 2021 Oct 1

Authors Yun Y, Ji S, Yu G, Jia P, Niu Y, Zhang H, Zhang X, Wang T, Zhang L

[Eight-week exercise training in humans with obesity: Marked improvements in insulin sensitivity and modest changes in gut microbiome.](#)

Obesity (Silver Spring, Md.) , Volume: 29 Issue: 10 2021 Oct

Authors Verheggen RJHM,Konstanti P,Smidt H,Hermus ARMM,Thijssen DHJ,Hopman MTE

[Lactobacillus paracasei S16 Alleviates Lumbar Disc Herniation by Modulating Inflammation Response and Gut Microbiota.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Wang Z,Wu H,Chen Y,Chen H,Wang X,Yuan W

[The Protection of Lactiplantibacillus plantarum CCFM8661 Against Benzopyrene-Induced Toxicity via Regulation of the Gut Microbiota.](#)

Frontiers in immunology , Volume: 12 2021

Authors Yu L,Zhang L,Duan H,Zhao R,Xiao Y,Guo M,Zhao J,Zhang H,Chen W,Tian F

[A Novel Sprouted Oat Fermented Beverage: Evaluation of Safety and Health Benefits for Celiac Individuals.](#)

Nutrients , Volume: 13 Issue: 8 2021 Jul 23

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

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

Biomedicines , Volume: 9 Issue: 8 2021 Aug 22

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

[Quercetin Ameliorates Insulin Resistance and Restores Gut Microbiome in Mice on High-Fat Diets.](#)

Antioxidants (Basel, Switzerland) , Volume: 10 Issue: 8 2021 Aug 5

Authors Tan Y,Tam CC,Rolston M,Alves P,Chen L,Meng S,Hong H,Chang SKC,Yokoyama W

[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

[The effects of fermented rye products on gut microbiota and their association with metabolic factors in Chinese adults - an explorative study.](#)

Food & function , Volume: 12 Issue: 19 2021 Oct 4

Authors Liu Y,Xue K,Iversen KN,Qu Z,Dong C,Jin T,Hallmans G,Åman P,Johansson A,He G,Landberg R

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

European journal of nutrition , 2021 Aug 15

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

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

Frontiers in nutrition , Volume: 8 2021

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

[Effects of Short-Term Dietary Fiber Intervention on Gut Microbiota in Young Healthy People.](#)

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

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

[Effects of Smoking on Inflammatory Markers in a Healthy Population as Analyzed via the Gut Microbiota.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Yan S, Ma Z, Jiao M, Wang Y, Li A, Ding S

[Kaempferol Alleviates Murine Experimental Colitis by Restoring Gut Microbiota and Inhibiting the LPS-TLR4-NF- \$\kappa\$ 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

Applications of Lactobacillus acidophilus-Fermented Mango Protected Clostridioides difficile Infection and Developed as an Innovative Probiotic Jam.

Foods (Basel, Switzerland) , Volume: 10 Issue: 7 2021 Jul 14

Authors Lee BH,Hsu WH,Chien HY,Hou CY,Hsu YT,Chen YZ,Wu SC

Effects of Bacillus subtilis and Bacillus licheniformis on growth performance, immunity, short chain fatty acid production, antioxidant capacity, and cecal microflora in broilers.

Poultry science , Volume: 100 Issue: 9 2021 Jun 26

Authors Xu Y,Yu Y,Shen Y,Li Q,Lan J,Wu Y,Zhang R,Cao G,Yang C

Alterations in the gut microbiota contribute to cognitive impairment induced by the ketogenic diet and hypoxia.

Cell host & microbe , Volume: 29 Issue: 9 2021 Sep 8

Authors Olson CA,Iñiguez AJ,Yang GE,Fang P,Pronovost GN,Jameson KG,Rendon TK,Paramo J,Barlow JT,Ismagilov RF,Hsiao EY

The effects of sustained fitness improvement on the gut microbiome: A longitudinal, repeated measures case-study approach.

Translational sports medicine , Volume: 4 Issue: 2 2021 Mar

Authors Barton W,Cronin O,Garcia-Perez I,Whiston R,Holmes E,Woods T,Molloy CB,Molloy MG,Shanahan F,Cotter PD,O'Sullivan O

A multiphase dietetic protocol incorporating an improved ketogenic diet enhances weight loss and alters the gut microbiome of obese people.

International journal of food sciences and nutrition , Volume: 73 Issue: 2 2022 Mar

Authors Yuan W,Lu W,Wang H,Wu W,Zhou Q,Chen Y,Lee YK,Zhao J,Zhang H,Chen W

Home-based exercise training influences gut bacterial levels in multiple sclerosis.

Complementary therapies in clinical practice , Volume: 45 2021 Jul 30

Authors Mokhtarzade M,Molanouri Shamsi M,Abolhasani M,Bakhshi B,Sahraian MA,Quinn LS,Negaresh R

Lactobacillus rhamnosus LRa05 Ameliorate Hyperglycemia through a Regulating Glucagon-Mediated Signaling Pathway and Gut Microbiota in Type 2 Diabetic Mice.

Journal of agricultural and food chemistry , Volume: 69 Issue: 31 2021 Aug 11

Authors Wu T,Zhang Y,Li W,Zhao Y,Long H,Muhindo EM,Liu R,Sui W,Li Q,Zhang M

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

Food chemistry , Volume: 365 2021 Jul 20

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

Lactobacillus casei LC89 exerts antidiabetic effects through regulating hepatic glucagon response and gut microbiota in type 2 diabetic mice.

Food & function , Volume: 12 Issue: 18 2021 Sep 20

Authors Zhang Y,Wu T,Li W,Zhao Y,Long H,Liu R,Sui W,Zhang M

Microencapsulated and Lyophilized Lactobacillus acidophilus Improved Gut Health and Immune Status of Preruminant Calves.

Probiotics and antimicrobial proteins , Volume: 14 Issue: 3 2022 Jun

Authors Kumar M,Kala A,Chaudhary LC,Agarwal N,Kochewad SA

The construction of recombinant Lactobacillus casei expressing hemagglutinin-neuraminidase protein and its immune response in chickens.

Microbial pathogenesis , Volume: 158 2021 Sep

Authors Ju A,Duan A,Zhang Y,Qin Y,Xue L,Ma X,Luan W,Yang S

An exercise intervention alters stool microbiota and metabolites among older, sedentary adults.

Therapeutic advances in infectious disease , Volume: 8 2021 Jan-Dec

Authors Erlandson KM,Liu J,Johnson R,Dillon S,Jankowski CM,Kroehl M,Robertson CE,Frank DN,Tuncil Y,Higgins J,Hamaker B,Wilson CC

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

Dietary oregano essential oil supplementation improves intestinal functions and alters gut microbiota in late-phase laying hens.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jul 6

Authors Feng J,Lu M,Wang J,Zhang H,Qiu K,Qi G,Wu S

Intestinal Microbiota Mediates High-Fructose and High-Fat Diets to Induce Chronic Intestinal Inflammation.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Tan R,Dong H,Chen Z,Jin M,Yin J,Li H,Shi D,Shao Y,Wang H,Chen T,Yang D,Li J

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

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

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

Effects of Fermented Milk Containing *Lactocaseibacillus paracasei* Strain Shirota on Constipation in Patients with Depression: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 13 Issue: 7 2021 Jun 29

Authors Zhang X,Chen S,Zhang M,Ren F,Ren Y,Li Y,Liu N,Zhang Y,Zhang Q,Wang R

Evaluation of the Cholesterol-Lowering Mechanism of *Enterococcus faecium* Strain 132 and *Lactobacillus paracasei* Strain 201 in Hypercholesterolemia Rats.

Nutrients , Volume: 13 Issue: 6 2021 Jun 9

Authors Yang L,Xie X,Li Y,Wu L,Fan C,Liang T,Xi Y,Yang S,Li H,Zhang J,Ding Y,Xue L,Chen M,Wang J,Wu Q

Microbiota and Metabolite Modifications after Dietary Exclusion of Dairy Products and Reduced Consumption of Fermented Food in Young and Older Men.

Nutrients , Volume: 13 Issue: 6 2021 Jun 1

Authors Kim J,Burton-Pimentel KJ,Fleuti C,Blaser C,Scherz V,Badertscher R,Marmonier C,Lyon-Belgy N,Caille A,Pidou V,Blot A,Bertelli C,David J,Bütikofer U,Greub G,Dardevet D,Polakof S,Vergères G

Effects of Wine and Its Microbial-Derived Metabolites on Intestinal Permeability Using Simulated Gastrointestinal Digestion/Colonic Fermentation and Caco-2 Intestinal Cell Models.

Microorganisms , Volume: 9 Issue: 7 2021 Jun 24

Authors Zorraquín-Peña I,Taladrid D,Tamargo A,Silva M,Molinero N,de Llano DG,Bartolomé B,Moreno-Arribas MV

Concentrated Raw Fibers Enhance the Fiber-Degrading Capacity of a Synthetic Human Gut Microbiome.

International journal of molecular sciences , Volume: 22 Issue: 13 2021 Jun 25

Authors Steimle A,Neumann M,Grant ET,Turner JD,Desai MS

Nrf2/ARE Activators Improve Memory in Aged Mice via Maintaining of Mitochondrial Quality Control of Brain and the Modulation of Gut Microbiome.

Pharmaceuticals (Basel, Switzerland) , Volume: 14 Issue: 7 2021 Jun 23

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

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

PloS one , Volume: 16 Issue: 6 2021

Authors Jung TH,Han KS

Curcumin modulates gut microbiota and improves renal function in rats with uric acid nephropathy.

Renal failure , Volume: 43 Issue: 1 2021 Dec

Authors Xu X,Wang H,Guo D,Man X,Liu J,Li J,Luo C,Zhang M,Zhen L,Liu X

Effects of *Bacillus amyloliquefaciens* Instead of Antibiotics on Growth Performance, Intestinal Health, and Intestinal Microbiota of Broilers.

Frontiers in veterinary science , Volume: 8 2021

Authors Wang B,Zhou Y,Tang L,Zeng Z,Gong L,Wu Y,Li WF

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

Heliyon , Volume: 7 Issue: 5 2021 May

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

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

Lactobacillus acidophilus LA14 Alleviates Liver Injury.**mSystems** , Volume: 6 Issue: 3 2021 Jun 29

Authors Lv L,Yao C,Yan R,Jiang H,Wang Q,Wang K,Ren S,Jiang S,Xia J,Li S,Yu Y

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

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

Lactobacillus paracasei modulates the gut microbiota and improves inflammation in type 2 diabetic rats.**Food & function** , 2021 Jun 11

Authors Zeng Z,Guo X,Zhang J,Yuan Q,Chen S

Resveratrol and its derivative pterostilbene ameliorate intestine injury in intrauterine growth-retarded weanling piglets by modulating redox status and gut microbiota.**Journal of animal science and biotechnology** , Volume: 12 Issue: 1 2021 Jun 10

Authors Chen Y,Zhang H,Chen Y,Jia P,Ji S,Zhang Y,Wang T

Lactobacillus casei CCFM1074 Alleviates Collagen-Induced Arthritis in Rats via Balancing Treg/Th17 and Modulating the Metabolites and Gut Microbiota.**Frontiers in immunology** , Volume: 12 2021

Authors Fan Z,Ross RP,Stanton C,Hou B,Zhao J,Zhang H,Yang B,Chen W

Modulatory Effects of Bacillus subtilis on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying Hens.**Animals : an open access journal from MDPI** , Volume: 11 Issue: 6 2021 May 24

Authors Zhang G,Wang H,Zhang J,Tang X,Raheem A,Wang M,Lin W,Liang L,Qi Y,Zhu Y,Jia Y,Cui S,Qin T

Effect of BioPlus YC Probiotic Supplementation on Gut Microbiota, Production Performance, Carcass and Meat Quality of Pigs.**Animals : an open access journal from MDPI** , Volume: 11 Issue: 6 2021 May 28

Authors Rybarczyk A,Boguslawska-Was E,Dlubala A

Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.**Nutrients** , Volume: 13 Issue: 5 2021 May 20

Authors Milton-Laskibar I,Marcos-Zambrano LJ,Gómez-Zorita S,Fernández-Quintela A,Carrillo de Santa Pau E,Martínez JA,Portillo MP

Preparation and photodynamic bactericidal effects of curcumin-β-cyclodextrin complex.**Food chemistry** , Volume: 361 2021 Nov 1

Authors Lai D,Zhou A,Tan BK,Tang Y,Sarah Hamzah S,Zhang Z,Lin S,Hu J

The Potential Roles of Very Low Calorie, Very Low Calorie Ketogenic Diets and Very Low Carbohydrate Diets on the Gut Microbiota Composition.**Frontiers in endocrinology** , Volume: 12 2021

Authors Rondanelli M,Gasparri C,Peroni G,Faliva MA,Naso M,Perna S,Bazire P,Sajuox I,Maugeri R,Rigon C

A diet high in sugar and fat influences neurotransmitter metabolism and then affects brain function by altering the gut microbiota.**Translational psychiatry** , Volume: 11 Issue: 1 2021 May 27

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

Saccharomyces cerevisiae boulardii CNCM I-1079 supplementation in finishing male pigs helps to cope with heat stress through feeding behaviour and gut microbiota modulation.**The British journal of nutrition** , Volume: 127 Issue: 3 2022 Feb 14

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

Different Bifidobacterium bifidum strains change the intestinal flora composition of mice via different mechanisms to alleviate loperamide-induced constipation.**Food & function** , 2021 May 26

Authors Chai M,Wang L,Li X,Zhao J,Zhang H,Wang G,Chen W

The influence of exercise training volume alterations on the gut microbiome in highly-trained middle-distance runners.**European journal of sport science** , 2021 May 26

Authors Craven J,Cox AJ,Bellinger P,Desbrow B,Irwin C,Buchan J,McCartney D,Sabapathy S

Tobacco Smoking and the Fecal Microbiome in a Large, Multi-ethnic Cohort.**Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology** , Volume: 30 Issue: 7 2021 Jul

Authors Prakash A,Peters BA,Cobbs E,Beggs D,Choi H,Li H,Hayes RB,Ahn J

The Positive Association between Proton Pump Inhibitors and Clostridium Difficile Infection.**Innovations in pharmacy , Volume: 12 Issue: 1 2021**

Authors Tawam D,Baladi M,Jungsuwadee P,Earl G,Han J

Curcumin alleviates high-fat diet-induced hepatic steatosis and obesity in association with modulation of gut microbiota in mice.**Food research international (Ottawa, Ont.) , Volume: 143 2021 May**

Authors Li S,You J,Wang Z,Liu Y,Wang B,Du M,Zou T

A Palmitoylethanolamide Producing Lactobacillus paracasei Improves Clostridium difficile Toxin A-Induced Colitis.**Frontiers in pharmacology , Volume: 12 2021**

Authors Esposito G,Corpetti C,Pesce M,Seguella L,Annunziata G,Del Re A,Vincenzi M,Lattanzi R,Lu J,Sanseverino W,Sarnelli G

Lactobacillus rhamnosus from human breast milk ameliorates ulcerative colitis in mice via gut microbiota modulation.**Food & function , Volume: 12 Issue: 11 2021 Jun 8**

Authors Pang B,Jin H,Liao N,Li J,Jiang C,Shao D,Shi J

Porphyran-derived oligosaccharides alleviate NAFLD and related cecal microbiota dysbiosis in mice.**FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 35 Issue: 6 2021 Jun**

Authors Wang X,Liu D,Wang Z,Cai C,Jiang H,Yu G

Dietary broccoli improves markers associated with glucose and lipid metabolism through modulation of gut microbiota in mice.**Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 90 2021 Oct**

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

Aspergillus oryzae and Aspergillus niger Co-Cultivation Extract Affects In Vitro Degradation, Fermentation Characteristics, and Bacterial Composition in a Diet-Specific Manner.**Animals : an open access journal from MDPI , Volume: 11 Issue: 5 2021 Apr 26**

Authors Kong F,Lu N,Liu Y,Zhang S,Jiang H,Wang H,Wang W,Li S

Effect of Fermented Products Produced by Bacillus licheniformis on the Growth Performance and Cecal Microbial Community of Broilers under Coccidial Challenge.**Animals : an open access journal from MDPI , Volume: 11 Issue: 5 2021 Apr 26**

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

Effects of Whole-Grain and Sugar Content in Infant Cereals on Gut Microbiota at Weaning: A Randomized Trial.**Nutrients , Volume: 13 Issue: 5 2021 Apr 28**

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

Lactobacillus Sps in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.**Biology , Volume: 10 Issue: 4 2021 Apr 20**

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

Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice.**Nutrients , Volume: 13 Issue: 5 2021 Apr 24**

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

Synbiotic formulation of Cichorium intybus root powder with Lactobacillus acidophilus NCDC15 and Lactobacillus reuteri BFE7 improves growth performance in Murrah buffalo calves via altering selective gut health indices.**Tropical animal health and production , Volume: 53 Issue: 2 2021 Apr 28**

Authors Singh M,Kumar S,Banakar PS,Vinay VV,Das A,Tyagi N,Tyagi AK

Gut modulation based anti-diabetic effects of carboxymethylated wheat bran dietary fiber in high-fat diet/streptozotocin-induced diabetic mice and their potential mechanisms.**Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 152 2021 Jun**

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

Preventive Effects of Bacillus licheniformis on Heat Stroke in Rats by Sustaining Intestinal Barrier Function and Modulating Gut Microbiota.**Frontiers in microbiology , Volume: 12 2021**

Authors Li L,Wang M,Chen J,Xu Z,Wang S,Xia X,Liu D,Wang S,Xie C,Wu J,Li J,Zhang J,Wang M,Zhu J,Ling C,Xu S

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

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

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

[Effect of Korea red ginseng on nonalcoholic fatty liver disease: an association of gut microbiota with liver function.](#)

Journal of ginseng research , Volume: 45 Issue: 2 2021 Mar

Authors Hong JT, Lee MJ, Yoon SJ, Shin SP, Bang CS, Baik GH, Kim DJ, Youn GS, Shin MJ, Ham YL, Suk KT, Kim BS

[Saccharomyces boulardii ameliorates gut dysbiosis associated cognitive decline.](#)

Physiology & behavior , Volume: 236 2021 Jul 1

Authors Roy Sarkar S, Mitra Mazumder P, Chatterjee K, Sarkar A, Adhikary M, Mukhopadhyay K, Banerjee S

[Lactacaseibacillus paracasei PS23 Effectively Modulates Gut Microbiota Composition and Improves Gastrointestinal Function in Aged SAMP8 Mice.](#)

Nutrients , Volume: 13 Issue: 4 2021 Mar 29

Authors Chen LH, Wang MF, Chang CC, Huang SY, Pan CH, Yeh YT, Huang CH, Chan CH, Huang HY

[Cloudy Apple Juice Fermented by Lactobacillus Prevents Obesity via Modulating Gut Microbiota and Protecting Intestinal Tract Health.](#)

Nutrients , Volume: 13 Issue: 3 2021 Mar 17

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

[A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial.](#)

Nutrients , Volume: 13 Issue: 4 2021 Mar 27

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

[Ingestion of High \$\beta\$ -Glucan Barley Flour Enhances the Intestinal Immune System of Diet-Induced Obese Mice by Prebiotic Effects.](#)

Nutrients , Volume: 13 Issue: 3 2021 Mar 11

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

[Probiotic alleviate fluoride-induced memory impairment by reconstructing gut microbiota in mice.](#)

Ecotoxicology and environmental safety , Volume: 215 2021 Jun 1

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

[Sulfoquinovose is a select nutrient of prominent bacteria and a source of hydrogen sulfide in the human gut.](#)

The ISME journal , 2021 Mar 31

Authors Hanson BT, Dimitri Kits K, Löffler J, Burrichter AG, Fiedler A, Denger K, Frommeyer B, Herbold CW, Rattei T, Karcher N, Segata N, Schleheck D, Loy A

[Limosilactobacillus reuteri and Lactacaseibacillus rhamnosus GG differentially affect gut microbes and metabolites in mice with Treg-deficiency.](#)

American journal of physiology. Gastrointestinal and liver physiology , 2021 Mar 31

Authors Liu Y, Hoang TK, Taylor CM, Park ES, Freeborn J, Luo M, Roos S, Rhoads JM

[Gut Microbiota and Its Metabolite Deoxycholic Acid Contribute to Sucralose Consumption-Induced Nonalcoholic Fatty Liver Disease.](#)

Journal of agricultural and food chemistry , Volume: 69 Issue: 13 2021 Apr 7

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

[Lactobacillus acidophilus LA5 improves saturated fat-induced obesity mouse model through the enhanced intestinal Akkermansia muciniphila.](#)

Scientific reports , Volume: 11 Issue: 1 2021 Mar 18

Authors Ondee T, Pongpirul K, Visitchanakun P, Saisorn W, Kanacharoen S, Wongsaroj L, Kullapanich C, Ngamwongsatit N, Settachaimongkon S, Somboonna N, Leelahavanichkul A

[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

[Beverages containing Lactobacillus paracasei LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites.](#)

Journal of dairy science , 2021 Mar 10

Authors Sun E, Zhang X, Zhao Y, Li J, Sun J, Mu Z, Wang R

[Effect of Blueberry Anthocyanin-Rich Extracts on Peripheral and Hippocampal Antioxidant Defensiveness: The Analysis of the Serum Fatty Acid Species and Gut Microbiota Profile.](#)

Journal of agricultural and food chemistry , Volume: 69 Issue: 12 2021 Mar 31

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

[Lactobacillus paracasei DTA81, a cholesterol-lowering strain having immunomodulatory activity, reveals gut microbiota regulation capability in BALB/c mice receiving high-fat diet.](#)

Journal of applied microbiology , Volume: 131 Issue: 4 2021 Oct

Authors Tarrah A,Dos Santos Cruz BC,Sousa Dias R,da Silva Duarte V,Pakroo S,Licursi de Oliveira L,Gouveia Peluzio MC,Corich V,Giacomini A,Oliveira de Paula S

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

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

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

Gut Microbiota Bacterial Species Associated with Mediterranean Diet-Related Food Groups in a Northern Spanish Population.

Nutrients , Volume: 13 Issue: 2 2021 Feb 16

Authors Rosés C,Cuevas-Sierra A,Quintana S,Riezu-Boj JI,Martínez JA,Milagro FI,Barceló A

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

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

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

Probiotic Bacillus subtilis 29,784 improved weight gain and enhanced gut health status of broilers under necrotic enteritis condition.

Poultry science , Volume: 100 Issue: 4 2021 Apr

Authors Keerqin C,Rhayat L,Zhang ZH,Gharib-Naseri K,Kheravii SK,Devillard E,Crowley TM,Wu SB

Effect of Quercetin on Lipids Metabolism Through Modulating the Gut Microbial and AMPK/PPAR Signaling Pathway in Broilers.

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Wang M,Wang B,Wang S,Lu H,Wu H,Ding M,Ying L,Mao Y,Li Y

Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice.

mSystems , Volume: 6 Issue: 1 2021 Feb 23

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

Long-term and continuous administration of Bacillus subtilis during remission effectively maintains the remission of inflammatory bowel disease by protecting intestinal integrity, regulating epithelial proliferation, and reshaping microbial structure and function.

Food & function , Volume: 12 Issue: 5 2021 Mar 15

Authors Liu Y,Yin F,Huang L,Teng H,Shen T,Qin H

Diet- and sex-related changes of gut microbiota composition and functional profiles after 4 months of weight loss intervention.

European journal of nutrition , Volume: 60 Issue: 6 2021 Sep

Authors Cuevas-Sierra A,Romo-Hualde A,Aranaz P,Goni L,Cuervo M,Martínez JA,Milagro FI,Riezu-Boj JI

Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.

Frontiers in bioengineering and biotechnology , Volume: 9 2021

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

The Therapeutic Efficacy of Curcumin vs. Metformin in Modulating the Gut Microbiota in NAFLD Rats: A Comparative Study.

Frontiers in microbiology , Volume: 11 2020

Authors Li R,Yao Y,Gao P,Bu S

The effect of acute moderate-intensity exercise on the serum and fecal metabolomes and the gut microbiota of cross-country endurance athletes.

Scientific reports , Volume: 11 Issue: 1 2021 Feb 11

Authors Tabone M,Bressa C,García-Merino JA,Moreno-Pérez D,Van EC,Castelli FA,Fenaille F,Larrosa M

Effects of dietary oregano essential oil supplementation on growth performance, intestinal antioxidative capacity, immunity, and intestinal microbiota in yellow-feathered chickens.

Journal of animal science , Volume: 99 Issue: 2 2021 Feb 1

Authors Ruan D,Fan Q,Fouad AM,Sun Y,Huang S,Wu A,Lin C,Kuang Z,Zhang C,Jiang S

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

Pharmacological research , 2021 Jan 30

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

Dietary Supplementation With Bacillus subtilis Promotes Growth and Gut Health of Weaned Piglets.

Frontiers in veterinary science , Volume: 7 2020

Authors Tian Z,Wang X,Duan Y,Zhao Y,Zhang W,Azad MAK,Wang Z,Blachier F,Kong X

Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With *Bacillus subtilis*-Fermented Milk via Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.

Frontiers in microbiology , Volume: 11 2020

Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R

Bacillus subtilis-fermented products ameliorate the growth performance and alter cecal microbiota community in broilers under lipopolysaccharide challenge.

Poultry science , Volume: 100 Issue: 2 2021 Feb

Authors Chen JY,Yu YH

Effects of novel probiotic strains of *Bacillus pumilus* and *Bacillus subtilis* on production, gut health, and immunity of broiler chickens raised under suboptimal conditions.

Poultry science , Volume: 100 Issue: 3 2021 Mar

Authors Bilal M,Si W,Barbe F,Chevaux E,Sienkiewicz O,Zhao X

Effect of 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

Oregano essential oil improves piglet health and performance through maternal feeding and is associated with changes in the gut microbiota.

Animal microbiome , Volume: 3 Issue: 1 2021 Jan 4

Authors Hall HN,Wilkinson DJ,Le Bon M

Kale Attenuates Inflammation and Modulates Gut Microbial Composition and Function in C57BL/6J Mice with Diet-Induced Obesity.

Microorganisms , Volume: 9 Issue: 2 2021 Jan 24

Authors Shahinozzaman M,Raychaudhuri S,Fan S,Obanda DN

Pretreatment with chitosan oligosaccharides attenuate experimental severe acute pancreatitis via inhibiting oxidative stress and modulating intestinal homeostasis.

Acta pharmacologica Sinica , 2021 Jan 25

Authors Mei QX,Hu JH,Huang ZH,Fan JJ,Huang CL,Lu YY,Wang XP,Zeng Y

Effect of dietary inclusion of dried apple pomace on faecal butyrate concentration and modulation of gut microbiota in dogs.

Archives of animal nutrition , Volume: 75 Issue: 1 2021 Feb

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

A pilot study on the relationship between *Lactobacillus*, *Bifidobacterium* counts and inflammatory factors following exercise training.

Archives of physiology and biochemistry , Volume: 129 Issue: 3 2023 Jun

Authors Mahdieh MS,Maryam J,Bita B,Neda F,Motahare M,Mahboobeh B,LeBris S Q,Kalani Behrooz S

California strawberry consumption increased the abundance of gut microorganisms related to lean body weight, health and longevity in healthy subjects.

Nutrition research (New York, N.Y.) , Volume: 85 2021 Jan

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

Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (*Gallus gallus*): A Systematic Review.

Nutrients , Volume: 13 Issue: 1 2021 Jan 9

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

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

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

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

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

Frontiers in microbiology , Volume: 11 2020

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

The Effect of Xylooligosaccharide, Xylan, and Whole Wheat Bran on the Human Gut Bacteria.

Frontiers in microbiology , Volume: 11 2020

Authors Chen M,Liu S,Imam KMSU,Sun L,Wang Y,Gu T,Wen B,Xin F

Blueberry and cranberry anthocyanin extracts reduce bodyweight and modulate gut microbiota in C57BL/6 J mice fed with a high-fat diet.

European journal of nutrition , 2021 Jan 3

Authors Liu J,Hao W,He Z,Kwek E,Zhu H,Ma N,Ma KY,Chen ZY

Probiotic *Lactobacillus rhamnosus* GG Promotes Mouse Gut Microbiota Diversity and T Cell Differentiation.

Frontiers in microbiology , Volume: 11 2020

Authors Shi CW,Cheng MY,Yang X,Lu YY,Yin HD,Zeng Y,Wang RY,Jiang YL,Yang WT,Wang JZ,Zhao DD,Huang HB,Ye LP,Cao X,Yang GL,Wang CF

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

Frontiers in pharmacology , Volume: 11 2020

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

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

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

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

Pomegranate peel extract ameliorates the severity of experimental autoimmune encephalomyelitis via modulation of gut microbiota.

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

Authors Lu XY,Han B,Deng X,Deng SY,Zhang YY,Shen PX,Hui T,Chen RH,Li X,Zhang Y

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

Nutrients , Volume: 12 Issue: 12 2020 Dec 17

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

Diet Rich in Simple Sugars Promotes Pro-Inflammatory Response via Gut Microbiota Alteration and TLR4 Signaling.

Cells , Volume: 9 Issue: 12 2020 Dec 16

Authors Fajstova A,Galanova N,Coufal S,Malkova J,Kostovcik M,Cermakova M,Pelantova H,Kuzma M,Sediva B,Hudcovic T,Hrncir T,Tlaskalova-Hogenova H,Kverka M,Kostovcikova K

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

Chemoprevention of DMH-Induced Early Colon Carcinogenesis in Male BALB/c Mice by Administration of *Lactobacillus Paracasei* DTA81.

Microorganisms , Volume: 8 Issue: 12 2020 Dec 14

Authors da Silva Duarte V,Dos Santos Cruz BC,Tarrah A,Sousa Dias R,de Paula Dias Moreira L,Lemos Junior WJF,Fidélis Silva LC,Rocha Santana G,Licursi de Oliveira L,Gouveia Peluzio MDC,Mantovani HC,Corich V,Giacomini A,de Paula SO

Alleviation of DSS-induced colitis via *Lactobacillus acidophilus* treatment in mice.

Food & function , Volume: 12 Issue: 1 2021 Jan 7

Authors Kim WK,Han DH,Jang YJ,Park S,Jang SJ,Lee G,Han HS,Ko G

Probiotic *Lactobacillus fermentum* strain JDFM216 improves cognitive behavior and modulates immune response with gut microbiota.

Scientific reports , Volume: 10 Issue: 1 2020 Dec 10

Authors Park MR,Shin M,Mun D,Jeong SY,Jeong DY,Song M,Ko G,Unno T,Kim Y,Oh S

Cow, Goat, and Mare Milk Diets Differentially Modulated the Immune System and Gut Microbiota of Mice Colonized by Healthy Infant Feces.

Journal of agricultural and food chemistry , Volume: 68 Issue: 51 2020 Dec 23

Authors Li N,Xie Q,Chen Q,Evivie SE,Liu D,Dong J,Huo G,Li B

Bacillus amyloliquefaciens TL106 protects mice against enterohaemorrhagic *Escherichia coli* O157:H7-induced intestinal disease through improving immune response, intestinal barrier function and gut microbiota.

Journal of applied microbiology , Volume: 131 Issue: 1 2021 Jul

Authors Bao CL,Liu SZ,Shang ZD,Liu YJ,Wang J,Zhang WX,Dong B,Cao YH

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

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

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

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

[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

[Modulation of the Gut Microbiome and Obesity Biomarkers by Lactobacillus Plantarum KC28 in a Diet-Induced Obesity Murine Model.](#)

Probiotics and antimicrobial proteins , 2020 Nov 14

Authors Huang E, Kim S, Park H, Park S, Ji Y, Todorov SD, Lim SD, Holzapfel WH

[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

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

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

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

[\[Influence of Lactobacillus reuteri SL001 on intestinal microbiota in AD model mice and C57BL/6 mice\].](#)

Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 36 Issue: 9 2020 Sep 25

Authors Liu M, Hu R, Guo Y, Sun W, Li J, Fan M, Wang Y, Du H, Tang Z, Chai C

[Daily intake of probiotic strain Bacillus subtilis DE111 supports a healthy microbiome in children attending day-care.](#)

Beneficial microbes , Volume: 11 Issue: 7 2020 Nov 15

Authors Paytuvi-Gallart A, Sanseverino W, Winger AM

[Enterococcus faecium R0026 combined with Bacillus subtilis R0179 prevent obesity-associated hyperlipidaemia and modulate gut microbiota in C57BL/6 mice.](#)

Journal of microbiology and biotechnology , 2020 Oct 20

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

[Anti-inflammatory Bifidobacterium strains prevent dextran sodium sulfate induced colitis and associated gut microbial dysbiosis in mice.](#)

Scientific reports , Volume: 10 Issue: 1 2020 Oct 29

Authors Singh S, Bhatia R, Khare P, Sharma S, Rajarammohan S, Bishnoi M, Bhadada SK, Sharma SS, Kaur J, Kondepudi KK

[Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice.](#)

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

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

[The in vitro Effects of the Probiotic Strain, Lactobacillus casei ZX633 on Gut Microbiota Composition in Infants With Diarrhea.](#)

Frontiers in cellular and infection microbiology , Volume: 10 2020

Authors Wang X, Zhang M, Wang W, Lv H, Zhang H, Liu Y, Tan Z

[Distinct Effects of Milks From Various Animal Types on Infant Fecal Microbiota Through in vitro Fermentations.](#)

Frontiers in microbiology , Volume: 11 2020

Authors Li N, Li B, Guan J, Shi J, Evvie SE, Zhao L, Huo G, Wang S

[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

[Bacillus subtilis and Enterococcus faecium co-fermented feed regulates lactating sow's performance, immune status and gut microbiota.](#)

Microbial biotechnology , Volume: 14 Issue: 2 2021 Mar

Authors Wang C, Wei S, Xu B, Hao L, Su W, Jin M, Wang Y

[Effect of Combined Live Probiotics Alleviating the Gastrointestinal Symptoms of Functional Bowel Disorders.](#)

Gastroenterology research and practice , Volume: 2020 2020

Authors Shi J, Gao F, Zhang J

[Bifidobacterium bifidum TMC3115 ameliorates milk protein allergy in by affecting gut microbiota: A randomized double-blind control trial.](#)

Journal of food biochemistry , Volume: 44 Issue: 11 2020 Nov

Authors Jing W, Liu Q, Wang W

[The Influence of Essential Oils on Gut Microbial Profiles in Pigs.](#)

Animals : an open access journal from MDPI , Volume: 10 Issue: 10 2020 Sep 24

Authors Ruzauskas M, Bartkiene E, Stankevicius A, Bernatoniene J, Zadeike D, Lele V, Starkute V, Zavistanaviciute P, Grigas

J,Zokaityte E,Pautienius A,Juodeikiene G,Jakstas V

Does Curcumin Have a Role in the Interaction between Gut Microbiota and Schistosoma mansoni in Mice?

Pathogens (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 19

Authors Anter A,El-Ghany MA,Abou El Dahab M,Mahana N

Feasibility and effects on the gut microbiota of a 12-week high-intensity interval training plus lifestyle education intervention on inactive adults with celiac disease.

Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme , Volume: 46 Issue: 4 2021 Apr

Authors Warbeck C,Dowd AJ,Kronlund L,Parmer C,Daun JT,Wytsma-Fisher K,Millet GY,Schick A,Reimer RA,Fung T,Culos-Reed SN

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

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

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

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

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

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

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

Environmental and Intestinal Phylum Firmicutes Bacteria Metabolize the Plant Sugar Sulfoquinovose via a 6-Deoxy-6-sulfofructose Transaldolase Pathway.

iScience , Volume: 23 Issue: 9 2020 Aug 28

Authors Frommeyer B,Fiedler AW,Oehler SR,Hanson BT,Loy A,Franchini P,Spiteller D,Schleheck D

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

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

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

Intervention with kimchi microbial community ameliorates obesity by regulating gut microbiota.

Journal of microbiology (Seoul, Korea) , 2020 Sep 2

Authors Park SE,Kwon SJ,Cho KM,Seo SH,Kim EJ,Unno T,Bok SH,Park DH,Son HS

The effects of dairy and dairy derivatives on the gut microbiota: a systematic literature review.

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

Authors Aslam H,Marx W,Rocks T,Loughman A,Chandrasekaran V,Ruusunen A,Dawson SL,West M,Mullarkey E,Pasco JA,Jacka FN

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

Carbohydrate polymers , Volume: 247 2020 Nov 1

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

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

Nuts and their Effect on Gut Microbiota, Gut Function and Symptoms in Adults: A Systematic Review and Meta-Analysis of Randomised Controlled Trials.

Nutrients , Volume: 12 Issue: 8 2020 Aug 6

Authors Creedon AC,Hung ES,Berry SE,Whelan K

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

Nutrients , Volume: 12 Issue: 8 2020 Aug 1

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

Dietary Mannan-oligosaccharides potentiate the beneficial effects of Bifidobacterium bifidum in broiler chicken.

Letters in applied microbiology , Volume: 71 Issue: 5 2020 Nov

Authors Dev K,Akbar Mir N,Biswas A,Kannoujia J,Begum J,Kant R

The effect of nut consumption (tree nuts and peanuts) on the gut microbiota of humans: a systematic review.

The British journal of nutrition , Volume: 125 Issue: 5 2021 Mar 14

Authors Fitzgerald E,Lambert K,Stanford J,Neale EP

Effect of High versus Low Dairy Consumption on the Gut Microbiome: Results of a Randomized, Cross-Over Study.

Nutrients , Volume: 12 Issue: 7 2020 Jul 17

Authors Swarte JC,Eelderink C,Douwes RM,Said MY,Hu S,Post A,Westerhuis R,Bakker SJL,Harmsen HJM

Long-term Consumption of 2-O- β -D-Glucopyranosyl-L-ascorbic Acid from the Fruits of *Lycium barbarum* Modulates Gut Microbiota in C57BL/6 Mice.

Journal of agricultural and food chemistry , 2020 Jul 24

Authors Dong W,Huang K,Yan Y,Wan P,Peng Y,Zeng X,Cao Y

Enterococcus faecium Modulates the Gut Microbiota of Broilers and Enhances Phosphorus Absorption and Utilization.

Animals : an open access journal from MDPI , Volume: 10 Issue: 7 2020 Jul 20

Authors Wang W,Cai H,Zhang A,Chen Z,Chang W,Liu G,Deng X,Bryden WL,Zheng A

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

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

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

Early supplementation of *Saccharomyces cerevisiae* boulardii CNCM I-1079 in newborn dairy calves increases IgA production in the intestine at 1 week of age.

Journal of dairy science , Volume: 103 Issue: 9 2020 Sep

Authors Villot C,Chen Y,Pedgerachny K,Chaucheyras-Durand F,Chevaux E,Skidmore A,Guan LL,Steele MA

Effects of banana powder (*Musa acuminata* Colla) on the composition of human fecal microbiota and metabolic output using in vitro fermentation.

Journal of food science , Volume: 85 Issue: 8 2020 Aug

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

Ameliorative effects and molecular mechanisms of vine tea on western diet-induced NAFLD.

Food & function , Volume: 11 Issue: 7 2020 Jul 1

Authors Xie K,He X,Chen K,Sakao K,Hou DX

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

Exercise training modulates the gut microbiota profile and impairs inflammatory signaling pathways in obese children.

Experimental & molecular medicine , Volume: 52 Issue: 7 2020 Jul

Authors Quiroga R,Nistal E,Estébanez B,Porras D,Juárez-Fernández M,Martínez-Flórez S,García-Mediavilla MV,de Paz JA,González-Gallego J,Sánchez-Campos S,Cuevas MJ

Sulforaphane alter the microbiota and mitigate colitis severity on mice ulcerative colitis induced by DSS.

AMB Express , Volume: 10 Issue: 1 2020 Jul 3

Authors Zhang Y,Tan L,Li C,Wu H,Ran D,Zhang Z

Effect of chitooligosaccharides on human gut microbiota and antiglycation.

Carbohydrate polymers , Volume: 242 2020 Aug 15

Authors Liu W,Li X,Zhao Z,Pi X,Meng Y,Fei D,Liu D,Wang X

Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?

Nutrients , Volume: 12 Issue: 6 2020 Jun 12

Authors Knezevic J,Starchl C,Tmava Berisha A,Amrein K

Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.

International journal of molecular sciences , Volume: 21 Issue: 11 2020 Jun 10

Authors Spisni E,Petrocelli G,Imbesi V,Spigarelli R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC

The ameliorative effect of *Lactobacillus plantarum* Y44 oral administration on inflammation and lipid metabolism in obese mice fed with a high fat diet.

Food & function , Volume: 11 Issue: 6 2020 Jun 24

Authors Liu Y,Gao Y,Ma F,Sun M,Mu G,Tuo Y

Oral Supplements of Combined *Bacillus licheniformis* Zhengchangsheng® and Xylooligosaccharides Improve High-Fat Diet-Induced Obesity and Modulate the Gut Microbiota in Rats.

BioMed research international , Volume: 2020 2020

Authors Li Y,Liu M,Liu H,Wei X,Su X,Li M,Yuan J

Dendrobium officinale Kimura et Migo and American ginseng mixture: A Chinese herbal formulation for gut microbiota modulation.

Chinese journal of natural medicines , Volume: 18 Issue: 6 2020 Jun

Authors Liu CZ,Chen W,Wang MX,Wang Y,Chen LQ,Zhao F,Shi Y,Liu HJ,Dou XB,Liu C,Chen H

Early Introduction of Solid Feeds: Ingestion Level Matters More Than Prebiotic Supplementation for Shaping Gut Microbiota.

Frontiers in veterinary science , Volume: 7 2020

Authors Paës C,Gidenne T,Bébin K,Duperray J,Gohier C,Guené-Grand E,Rebours G,Bouchez O,Barilly C,Aymard P,Combes S

Low-Fat, High-Fiber Diet Reduces Markers of Inflammation and Dysbiosis and Improves Quality of Life in Patients With Ulcerative Colitis.

Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association , Volume: 19 Issue: 6 2021 Jun

Authors Fritsch J,Garces L,Quintero MA,Pignac-Kobinger J,Santander AM,Fernández I,Ban YJ,Kwon D,Phillips MC,Knight K,Mao Q,Santaolalla R,Chen XS,Maruthamuthu M,Solis N,Damas OM,Kerman DH,Deshpande AR,Lewis JE,Chen C,Abreu MT

Dietary supplementation with Lactobacillus plantarum modified gut microbiota, bile acid profile and glucose homeostasis in weaning piglets.

The British journal of nutrition , Volume: 124 Issue: 8 2020 Oct 28

Authors Lin S,Yang X,Long Y,Zhong H,Wang P,Yuan P,Zhang X,Che L,Feng B,Li J,Zhuo Y,Lin Y,Xu S,Wu D,Fang Z

Synergetic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs.

European journal of nutrition , Volume: 60 Issue: 2 2021 Mar

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

Effect of long-term consumption of tea (Camellia sinensis L.) flower polysaccharides on maintaining intestinal health in BALB/c mice.

Journal of food science , Volume: 85 Issue: 6 2020 Jun

Authors Chen D,Ding Y,Ye H,Sun Y,Zeng X

Unsaturated alginate oligosaccharides attenuated obesity-related metabolic abnormalities by modulating gut microbiota in high-fat-diet mice.

Food & function , Volume: 11 Issue: 5 2020 May 1

Authors Li S ,Wang L ,Liu B ,He N

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

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

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

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPARα signal pathway and gut microbiota.

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

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

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

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

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

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

Nutrients , Volume: 12 Issue: 5 2020 May 1

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

Lactobacillus fermentum V3 ameliorates colitis-associated tumorigenesis by modulating the gut microbiome.

American journal of cancer research , Volume: 10 Issue: 4 2020

Authors Chou YC,Ho PY,Chen WJ,Wu SH,Pan MH

Supplemental <i>Clostridium butyricum</i> Modulates Lipid Metabolism Through Shaping Gut Microbiota and Bile Acid Profile of Aged Laying Hens.

Frontiers in microbiology , Volume: 11 2020

Authors Wang WW,Wang J,Zhang HJ,Wu SG,Qi GH

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

BioMed research international , Volume: 2020 2020

Authors Wang T,Wu Q,Zhao T

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

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

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

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

Lactobacillus reuteri attenuated allergic inflammation induced by HDM in the mouse and modulated gut microbes.

PloS one , Volume: 15 Issue: 4 2020

Authors Li L,Fang Z,Liu X,Hu W,Lu W,Lee YK,Zhao J,Zhang H,Chen W

Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.

International journal of food sciences and nutrition , Volume: 71 Issue: 8 2020 Dec

Authors Chen K,Zhao H,Shu L,Xing H,Wang C,Lu C,Song G

Effect of probiotics on gut microbiome in patients with administration of surgical antibiotic prophylaxis: A randomized controlled study.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 26 Issue: 8 2020 Aug

Authors Kaku N,Matsumoto N,Sasaki D,Tsuda K,Kosai K,Uno N,Morinaga Y,Tagami A,Adachi S,Hasegawa H,Osaki M,Yanagihara K

Proof-of-concept trial of the combination of lactitol with Bifidobacterium bifidum and Lactobacillus acidophilus for the eradication of intestinal OXA-48-producing Enterobacteriaceae.

Gut pathogens , Volume: 12 2020

Authors Ramos-Ramos JC,Lázaro-Perona F,Arribas JR,García-Rodríguez J,Mingorance J,Ruiz-Carrascoso G,Borobia AM,Paño-Pardo JR,Herruzo R,Arnalich F

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

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

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

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

Microorganisms , Volume: 8 Issue: 4 2020 Apr 8

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

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

Nutrients , Volume: 12 Issue: 4 2020 Apr 5

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

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

Bifidobacterium longum subsp. longum Remodeled Roseburia and Phosphatidylserine Levels and Ameliorated Intestinal Disorders and liver Metabolic Abnormalities Induced by High-Fat Diet.

Journal of agricultural and food chemistry , Volume: 68 Issue: 16 2020 Apr 22

Authors Wu T,Sun M,Liu R,Sui W,Zhang J,Yin J,Fang S,Zhu J,Zhang M

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

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

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

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

Effect of Saccharomyces boulardii CNCM I-745 as complementary treatment of Helicobacter pylori infection on gut microbiome.

European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology , Volume: 39 Issue: 7 2020 Jul

Authors Cárdenas PA,Garcés D,Prado-Vivar B,Flores N,Fornasini M,Cohen H,Salvador I,Cargua O,Baldeón ME

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

Stable Colonization of Orally Administered Lactobacillus casei SY13 Alters the Gut Microbiota.

BioMed research international , Volume: 2020 2020

Authors Yue Y,Xu X,Yang B,Lu J,Zhang S,Liu L,Nassar K,Zhang C,Zhang M,Pang X,Lv J

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

Veterinary world , Volume: 12 Issue: 12 2019 Dec

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

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

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

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

Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice.

Scientific reports , Volume: 10 Issue: 1 2020 Feb 10

Authors Rodríguez-Daza MC,Daoust L,Boutkrabt L,Pilon G,Varin T,Dudonné S,Levy É,Marette A,Roy D,Desjardins Y

Anti-obesity effects of α-amylase inhibitor enriched-extract from white common beans (*Phaseolus vulgaris* L.) associated with the modulation of gut microbiota composition in high-fat diet-induced obese rats.

Food & function , Volume: 11 Issue: 2 2020 Feb 26

Authors Shi Z,Zhu Y,Teng C,Yao Y,Ren G,Richel A

Bifidobacterium longum R0175 Protects Rats against d-Galactosamine-Induced Acute Liver Failure.

mSphere , Volume: 5 Issue: 1 2020 Jan 29

Authors Wang K,Lv L,Yan R,Wang Q,Jiang H,Wu W,Li Y,Ye J,Wu J,Yang L,Bian X,Jiang X,Lu Y,Xie J,Wang Q,Shen J,Li L

Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome.

Beneficial microbes , Volume: 10 Issue: 8 2019 Dec 9

Authors Nealon NJ,Parker KD,Lahaie P,Ibrahim H,Maurya AK,Raina K,Ryan EP

Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.

Nutrients , Volume: 12 Issue: 1 2020 Jan 17

Authors Aljahdali N,Gadonna-Widehem P,Anton PM,Carbonero F

In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.

Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb

Authors Henrique-Bana FC,Wang X,Costa GN,Spinosa WA,Miglioranza LHS,Scorletti E,Calder PC,Byrne CD,Gibson GR

Clostridium butyricum Modulates the Microbiome to Protect Intestinal Barrier Function in Mice with Antibiotic-Induced Dysbiosis.

iScience , Volume: 23 Issue: 1 2020 Jan 24

Authors Hagihara M,Kuroki Y,Ariyoshi T,Higashi S,Fukuda K,Yamashita R,Matsumoto A,Mori T,Mimura K,Yamaguchi N,Okada S,Nonogaki T,Ogawa T,Iwasaki K,Tomono S,Asai N,Koizumi Y,Oka K,Yamagishi Y,Takahashi M,Mikamo H

Camellia sinensis and Litsea coreana Ameliorate Intestinal Inflammation and Modulate Gut Microbiota in Dextran Sulfate Sodium-Induced Colitis Mice.

Molecular nutrition & food research , Volume: 64 Issue: 6 2020 Mar

Authors Liu Y,Wang X,Chen Q,Luo L,Ma M,Xiao B,Zeng L

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.

Gut microbes , 2020 Jan 13

Authors Boling L,Cuevas DA,Grasis JA,Kang HS,Knowles B,Levi K,Maughan H,McNair K,Rojas MI,Sanchez SE,Smurthwaite C,Rohwer F

Rapid gut microbiome changes in a world-class ultramarathon runner.

Physiological reports , Volume: 7 Issue: 24 2019 Dec

Authors Grosicki GJ,Durk RP,Bagley JR

Food for thought about manipulating gut bacteria.

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM,Bindels LB

The impact of food additives, artificial sweeteners and domestic hygiene products on the human gut microbiome and its fibre fermentation capacity.

European journal of nutrition , Volume: 59 Issue: 7 2020 Oct

Authors Gerasimidis K,Bryden K,Chen X,Papachristou E,Verney A,Roig M,Hansen R,Nichols B,Papadopoulou R,Parrett A

Walnuts and Vegetable Oils Containing Oleic Acid Differentially Affect the Gut Microbiota and Associations with

Cardiovascular Risk Factors: Follow-up of a Randomized, Controlled, Feeding Trial in Adults at Risk for Cardiovascular Disease.

The Journal of nutrition , Volume: 150 Issue: 4 2020 Apr 1

Authors Tindall AM,McLimans CJ,Petersen KS,Kris-Etherton PM,Lamendella R

The Association Between Smoking and Gut Microbiome in Bangladesh.

Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco , Volume: 22

Issue: 8 2020 Jul 16

Authors Nolan-Kenney R,Wu F,Hu J,Yang L,Kelly D,Li H,Jasmine F,Kibriya MG,Parvez F,Shaheen I,Sarwar G,Ahmed A,Eunus M,Islam T,Pei Z,Ahsan H,Chen Y

Dietary *Saccharomyces cerevisiae* boulardii CNCM I-1079 Positively Affects Performance and Intestinal Ecosystem in Broilers during a *Campylobacter jejuni* Infection.

Microorganisms , Volume: 7 Issue: 12 2019 Nov 21

Authors Massacci FR,Lovito C,Tofani S,Tentellini M,Genovese DA,De Leo AAP,Papa P,Magistrali CF,Manuali E,Trabalza-Marinucci M,Moscato L,Forte C

Apple polysaccharide could promote the growth of *Bifidobacterium longum*.

International journal of biological macromolecules , Volume: 152 2020 Jun 1

Authors Li Y,Wang S,Sun Y,Zheng H,Tang Y,Gao X,Song C,Liu J,Long Y,Liu L,Mei Q

Structural Analysis of Gluco-Oligosaccharides Produced by *Leuconostoc lactis* and Their Prebiotic Effect.

Molecules (Basel, Switzerland) , Volume: 24 Issue: 21 2019 Nov 5

Authors Lee S,Park J,Jang JK,Lee BH,Park YS

Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota.

Nutrients , Volume: 11 Issue: 11 2019 Nov 3

Authors Gomes A,Oudot C,Macià A,Foito A,Carregosa D,Stewart D,Van de Wiele T,Berry D,Motilva MJ,Brenner C,Dos Santos CN

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

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

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

Urolithin Metabotypes Can Determine the Modulation of Gut Microbiota in Healthy Individuals by Tracking Walnuts

Consumption over Three Days.

Nutrients , Volume: 11 Issue: 10 2019 Oct 16

Authors García-Mantrana I,Calatayud M,Romo-Vaquero M,Espín JC,Selma MV,Collado MC

Curcumin: A natural derivative with antibacterial activity against *Clostridium difficile*.

Journal of global antimicrobial resistance , Volume: 21 2020 Jun

Authors Mody D,Athamneh AIM,Seleem MN

Chitooligosaccharides Prevents the Development of Colitis-Associated Colorectal Cancer by Modulating the Intestinal Microbiota and Mycobiota.

Frontiers in microbiology , Volume: 10 2019

Authors Wu M,Li J,An Y,Li P,Xiong W,Li J,Yan D,Wang M,Zhong G

Physiological and Biochemical Effects of Intrinsically High and Low Exercise Capacities Through Multiomics Approaches.

Frontiers in physiology , Volume: 10 2019

Authors Tung YT,Hsu YJ,Liao CC,Ho ST,Huang CC,Huang WC

Administration of *Lactobacillus fermentum* KBL375 Causes Taxonomic and Functional Changes in Gut Microbiota Leading to Improvement of Atopic Dermatitis.

Frontiers in molecular biosciences , Volume: 6 2019

Authors Kim WK,Jang YJ,Han DH,Seo B,Park S,Lee CH,Ko G

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.

European journal of nutrition , 2019 Oct 11

Authors Hess AL,Benítez-Páez A,Blädel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.

In vivo safety assessment of *Lactobacillus fermentum* strains, evaluation of their cholesterol-lowering ability and intestinal microbial modulation.

Journal of the science of food and agriculture , Volume: 100 Issue: 2 2020 Jan 30

Authors Thumu SCR,Halami PM

Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.

NPJ biofilms and microbiomes , Volume: 5 2019

Authors La Carpià F,Wojczyk BS,Annayajhala MK,Rebbaa A,Culp-Hill R,D'Alessandro A,Freedberg DE,Uhlemann AC,Hod EA

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

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

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

Effects of grape pomace and seed polyphenol extracts on the recovery of gut microbiota after antibiotic treatment in high-fat diet-fed mice.

Food science & nutrition , Volume: 7 Issue: 9 2019 Sep

Authors Lu F,Liu F,Zhou Q,Hu X,Zhang Y

Bacillus coagulans R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs.

Environmental pollution (Barking, Essex : 1987) , Volume: 255 Issue: Pt 2 2019 Sep 13

Authors Xing SC,Huang CB,Mi JD,Wu YB,Liao XD

Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial.

The Journal of nutrition , 2019 Aug 28

Authors Christensen L,Vuholm S,Roager HM,Nielsen DS,Krych L,Kristensen M,Astrup A,Hjorth MF

Effects of Lactobacillus plantarum on the intestinal morphology, intestinal barrier function and microbiota composition of suckling piglets.

Journal of animal physiology and animal nutrition , 2019 Sep 9

Authors Wang Q,Sun Q,Qi R,Wang J,Qiu X,Liu Z,Huang J

Wheat Gluten Regulates Cholesterol Metabolism by Modulating Gut Microbiota in Hamsters with Hyperlipidemia.

Journal of oleo science , Volume: 68 Issue: 9 2019

Authors Liang TT,Tong LT,Geng DH,Wang LL,Zhou XR,Pu HY,Jia W,Wu QP,Huang JR

Lactobacillus reuteri DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.

American journal of physiology. Gastrointestinal and liver physiology , 2019 Sep 4

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM

Modulation effect of Lactobacillus acidophilus KLD5 1.0738 on gut microbiota and TLR4 expression in β -lactoglobulin-induced allergic mice model.

Allergologia et immunopathologia , Volume: 48 Issue: 2 2020 Mar-Apr

Authors Ni WW,Zhang QM,Zhang X,Li Y,Yu SS,Wu HY,Chen Z,Li AL,Du P,Li C

Lactobacillus acidophilus alleviates type 2 diabetes by regulating hepatic glucose, lipid metabolism and gut microbiota in mice.

Food & function , Volume: 10 Issue: 9 2019 Sep 1

Authors Yan F,Li N,Shi J,Li H,Yue Y,Jiao W,Wang N,Song Y,Huo G,Li B

Rebalancing of the gut flora and microbial metabolism is responsible for the anti-arthritis effect of kaempferol.

Acta pharmacologica Sinica , Volume: 41 Issue: 1 2020 Jan

Authors Aa LX,Fei F,Qi Q,Sun RB,Gu SH,Di ZZ,Aa JY,Wang GJ,Liu CX

Exercise Training Modulates Gut Microbiota Profile and Improves Endotoxemia.

Medicine and science in sports and exercise , Volume: 52 Issue: 1 2020 Jan

Authors Motiani KK,Collado MC,Eskelinen JJ,Virtanen KA,Löyhtyemi E,Salminen S,Nuutila P,Kallioikoski KK,Hannukainen JC

Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.

Frontiers in immunology , Volume: 10 2019

Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van't Land B,Tims S,Stahl B,Garssen J,Franch A,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

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

Effect of Synbiotic Supplementation in a Very-Low-Calorie Ketogenic Diet on Weight Loss Achievement and Gut Microbiota: A Randomized Controlled Pilot Study.

Molecular nutrition & food research , 2019 Jul 12

Authors Gutiérrez-Repiso C,Hernández-García C,García-Almeida JM,Bellido D,Martín-Núñez GM,Sánchez-Alcoholado L,Alcaide-Torres J,Sajoux I,Tinahones F,Moreno-Indias I

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

[Maternal Exposure to Non-nutritive Sweeteners Impacts Progeny's Metabolism and Microbiome.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Olivier-Van Stichelen S,Rother KI,Hanover JA

[Additional Effect of Dietary Fiber in Patients with Type 2 Diabetes Mellitus Using Metformin and Sulfonylurea: An Open-Label, Pilot Trial.](#)

Diabetes & metabolism journal , 2019 Apr 23

Authors Lee SE,Choi Y,Jun JE,Lee YB,Jin SM,Hur KY,Ko GP,Lee MK

[Walnuts and Vegetable Oils Differentially Affect the Gut Microbiome and Associations with Cardiovascular Risk Factors \(OR29-06-19\).](#)

Current developments in nutrition , Volume: 3 Issue: Suppl 1 2019 Jun

Authors Tindall A,McLimsans C,Petersen K,Kris-Etherton P,Lamendella R

[Dietary supplementation with probiotics regulates gut microbiota structure and function in Nile tilapia exposed to aluminum.](#)

PeerJ , Volume: 7 2019

Authors Yu L,Qiao N,Li T,Yu R,Zhai Q,Tian F,Zhao J,Zhang H,Chen W

[Effects of a formula with a probiotic Bifidobacterium lactis Supplement on the gut microbiota of low birth weight infants.](#)

European journal of nutrition , Volume: 59 Issue: 4 2020 Jun

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

[Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.](#)

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

[The effect of gut microbiota and probiotic organisms on the properties of extended spectrum beta-lactamase producing and carbapenem resistant Enterobacteriaceae including growth, beta-lactamase activity and gene transmissibility.](#)

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 25 Issue: 11 2019 Nov

Authors Kunishima H,Ishibashi N,Wada K,Oka K,Takahashi M,Yamasaki Y,Aoyagi T,Takemura H,Kitagawa M,Kaku M

[Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in *Citrobacter rodentium*-Infected Mice.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

[The role of short-chain fatty acids in microbiota-gut-brain communication.](#)

Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug

Authors Dalile B,Van Oudenhove L,Vervliet B,Verbeke K

[Fermented *Momordica charantia* L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.](#)

Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul

Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY

[Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.](#)

The American journal of clinical nutrition , Volume: 109 Issue: 6 2019 Jun 1

Authors Hiel S,Bindels LB,Pachikian BD,Kalala G,Broers V,Zamariola G,Chang BPI,Kambashi B,Rodriguez J,Cani PD,Neyrinck AM,Thissen JP,Luminet O,Bindelle J,Delzenne NM

[Bacillus subtilis Strain DSM 29784 Modulates the Cecal Microbiome, Concentration of Short-Chain Fatty Acids, and Apparent Retention of Dietary Components in Shaver White Chickens during Grower, Developer, and Laying Phases.](#)

Applied and environmental microbiology , Volume: 85 Issue: 14 2019 Jul 15

Authors Nejlat M,Habtewold J,Shirley RB,Welsher A,Barton J,Thieri P,Kiarie E

[Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.](#)

PloS one , Volume: 14 Issue: 5 2019

Authors Miljkovic M,Jovanovic S,O'Connor PM,Mirkovic N,Jovicic B,Filipic B,Dinic M,Studholme DJ,Fira D,Cotter PD,Kojic M

[Four men in a boat: Ultra-endurance exercise alters the gut microbiome.](#)

Journal of science and medicine in sport , Volume: 22 Issue: 9 2019 Sep

Authors Keohane DM,Woods T,O'Connor P,Underwood S,Cronin O,Whiston R,O'Sullivan O,Cotter P,Shanahan F,Molloy MGM

[Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.](#)

The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1

Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschaseaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium

[Clostridium butyricum Strains Suppress Experimental Acute Pancreatitis by Maintaining Intestinal Homeostasis.](#)

Molecular nutrition & food research , 2019 Apr 29

Authors Pan LL,Niu W,Fang X,Liang W,Li H,Chen W,Zhang H,Bhatia M,Sun J

In vitro modulation of human gut microbiota composition and metabolites by Bifidobacterium longum BB-46 and a citric pectin.

Food research international (Ottawa, Ont.) , Volume: 120 2019 Jun

Authors Bianchi F,Larsen N,Tieghi TM,Adorno MAT,Saad SMI,Jespersen L,Sivieri K

Aerobic Exercise Training with Brisk Walking Increases Intestinal Bacteroides in Healthy Elderly Women.

Nutrients , Volume: 11 Issue: 4 2019 Apr 17

Authors Morita E,Yokoyama H,Imai D,Takeda R,Ota A,Kawai E,Hisada T,Emoto M,Suzuki Y,Okazaki K

The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.

Frontiers in nutrition , Volume: 6 2019

Authors Jefferson A,Adolphus K

Lactobacillus fermentum and Lactobacillus plantarum increased gut microbiota diversity and functionality, and mitigated Enterobacteriaceae, in a mouse model.

Beneficial microbes , Volume: 10 Issue: 4 2019 Apr 19

Authors Linninge C,Xu J,Bahl MI,Ahrné S,Molin G

Lactobacillus fermentum species ameliorate dextran sulfate sodium-induced colitis by regulating the immune response and altering gut microbiota.

Gut microbes , Volume: 10 Issue: 6 2019

Authors Jang YJ,Kim WK,Han DH,Lee K,Ko G

Nutritional impacts of dietary oregano and Enviva essential oils on the performance, gut microbiota and blood biochemicals of growing ducks.

Animal : an international journal of animal bioscience , Volume: 13 Issue: 10 2019 Oct

Authors Abouelezz K,Abou-Hadied M,Yuan J,Elokil AA,Wang G,Wang S,Wang J,Bian G

Lactobacillus reuteri Reduces the Severity of Experimental Autoimmune Encephalomyelitis in Mice by Modulating Gut Microbiota.

Frontiers in immunology , Volume: 10 2019

Authors He B,Hoang TK,Tian X,Taylor CM,Blanchard E,Luo M,Bhattacharjee MB,Freeborn J,Park S,Couturier J,Lindsey JW,Tran DQ,Rhoads JM,Liu Y

Probiotic Activity of Enterococcus faecium and Lactococcus lactis Isolated from Thai Fermented Sausages and Their Protective Effect Against Clostridium difficile.

Probiotics and antimicrobial proteins , Volume: 12 Issue: 2 2020 Jun

Authors Dowdell P,Chankhamhaengdech S,Panbangred W,Janvilisri T,Aroonnu A

Apple consumption is associated with a distinctive microbiota, proteomics and metabolomics profile in the gut of Dawley Sprague rats fed a high-fat diet.

PloS one , Volume: 14 Issue: 3 2019

Authors Garcia-Mazcorro JF,Pedreschi R,Yuan J,Kawas JR,Chew B,Dowd SE,Noratto G

Effects of dietary supplementation of probiotic Enterococcus faecium on growth performance and gut microbiota in weaned piglets.

AMB Express , Volume: 9 Issue: 1 2019 Mar 1

Authors Hu C,Xing W,Liu X,Zhang X,Li K,Liu J,Deng B,Deng J,Li Y,Tan C

Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.

Journal of agricultural and food chemistry , Volume: 67 Issue: 33 2019 Aug 21

Authors Han Y,Song M,Gu M,Ren D,Zhu X,Cao X,Li F,Wang W,Cai X,Yuan B,Goulette T,Zhang G,Xiao H

A ropy exopolysaccharide producing strain Bifidobacterium longum subsp. longum YS108R alleviates DSS-induced colitis by maintenance of the mucosal barrier and gut microbiota modulation.

Food & function , Volume: 10 Issue: 3 2019 Mar 20

Authors Yan S,Yang B,Zhao J,Zhao J,Stanton C,Ross RP,Zhang H,Chen W

Influence of proton pump inhibitors on microbiota in chronic liver disease patients.

Hepatology international , Volume: 13 Issue: 2 2019 Mar

Authors Yamamoto K,Ishigami M,Honda T,Takeyama T,Ito T,Ishizu Y,Kuzuya T,Hayashi K,Goto H,Hirooka Y

Combination probiotics may prevent Clostridium difficile infection among elderly patients undergoing an orthopedic surgery.

Bioscience of microbiota, food and health , Volume: 38 Issue: 1 2019

Authors Nagamine T,Matsumoto Y,Nakamura M

Intestinal Morphologic and Microbiota Responses to Dietary <i>Bacillus</i> spp. in a Broiler Chicken Model.

Frontiers in physiology , Volume: 9 2018

Authors Li CL,Wang J,Zhang HJ,Wu SG,Hui QR,Yang CB,Fang RJ,Qi GH

Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.

PeerJ , Volume: 7 2019

Authors De Paepe K,Verspreet J,Rezaei MN,Hidalgo Martinez S,Meysman F, Van de Walle D,Dewettinck K,Raes J,Courtin C, Van de Wiele T

Functional Interactions between Gut Microbiota Transplantation, Quercetin, and High-Fat Diet Determine Non-Alcoholic Fatty Liver Disease Development in Germ-Free Mice.

Molecular nutrition & food research , Volume: 63 Issue: 8 2019 Apr

Authors Porras D,Nistal E,Martínez-Florez S,Olcoz JL,Jover R,Jorquera F,González-Gallego J,García-Mediavilla MV,Sánchez-Campos S

Bacillus subtilis 29784 induces a shift in broiler gut microbiome toward butyrate-producing bacteria and improves intestinal histomorphology and animal performance.

Poultry science , Volume: 98 Issue: 6 2019 Jun 1

Authors Jacquier V,Nelson A,Jlali M,Rhayat L,Brinch KS,Devillard E

Differential Effects of Lactobacillus casei Strain Shirota on Patients With Constipation Regarding Stool Consistency in China.

Journal of neurogastroenterology and motility , Volume: 25 Issue: 1 2019 Jan 31

Authors Chen S,Ou Y,Zhao L,Li Y,Qiao Z,Hao Y,Ren F

The impact of Bacillus subtilis 18 isolated from Tibetan yaks on growth performance and gut microbial community in mice.

Microbial pathogenesis , Volume: 128 2019 Mar

Authors Li A,Jiang X,Wang Y,Zhang L,Zhang H,Mehmood K,Li Z,Waqas M,Li J

The impact of Bacillus subtilis DSM 32315 on the pathology, performance, and intestinal microbiome of broiler chickens in a necrotic enteritis challenge.

Poultry science , Volume: 98 Issue: 9 2019 Sep 1

Authors Whelan RA,Doranalli K,Rinttilä T,Vienola K,Jurgens G,Apajalahti J

Arabinoxylan from Argentinian whole wheat flour promote the growth of Lactobacillus reuteri and Bifidobacterium breve.

Letters in applied microbiology , Volume: 68 Issue: 2 2019 Feb

Authors Paesani C,Salvucci E,Moiraghi M,Fernandez Canigia L,Pérez GT

Purification and Characterization of Plantaricin ZJ316, a Novel Bacteriocin against Listeria monocytogenes from Lactobacillus plantarum ZJ316.

Journal of food protection , Volume: 81 Issue: 12 2018 Dec

Authors Chen L,Gu Q,Li P,Li Y,Song D,Yang J

Strategies to promote abundance of <i>Akkermansia muciniphila</i>, an emerging probiotics in the gut, evidence from dietary intervention studies.

Journal of functional foods , Volume: 33 2017 Jun

Authors Zhou K

Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.

Gut microbes , 2018 Nov 5

Authors Valcheva R,Koleva P,Martínez I,Walter J,Gänzle MG,Dieleman LA

Prevalence and Antimicrobial Susceptibility of Bacterial Uropathogens Isolated from Pediatric Patients at Yekatit 12 Hospital Medical College, Addis Ababa, Ethiopia.

International journal of microbiology , Volume: 2018 2018

Authors Merga Duffa Y,Terfa Kitila K,Mamuye Gebretsadik D,Bitew A

Simultaneous Supplementation of <i>Bacillus subtilis</i> and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

Determination of Antimicrobial Activity of Some Commercial Fruit (Apple, Papaya, Lemon and Strawberry) Against Bacteria Causing Urinary Tract Infection.

European journal of microbiology & immunology , Volume: 8 Issue: 3 2018 Sep 28

Authors Liya SJ,Siddique R

Six-Week Endurance Exercise Alters Gut Metagenome That Is not Reflected in Systemic Metabolism in Over-weight Women.

Frontiers in microbiology , Volume: 9 2018

Authors Munukka E,Ahtiainen JP,Puigbó P,Jalkanen S,Pahkala K,Keskitalo A,Kujala UM,Pietilä S,Hollmén M,Elo L,Huovinen P,D'Auria G,Pekkala S

Supplemental Bacillus subtilis DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.

Scientific reports , Volume: 8 Issue: 1 2018 Oct 18

Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G

Broccoli consumption affects the human gastrointestinal microbiota.

The Journal of nutritional biochemistry , Volume: 63 2019 Jan

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

Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased *Akkermansia muciniphila* Population Modulated by Dietary Black Raspberries.

ACS omega , Volume: 3 Issue: 9 2018 Sep 30

Authors Tu P,Bian X,Chi L,Gao B,Ru H,Knobloch TJ,Weghorst CM,Lu K

The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease.

The Journal of pharmacology and experimental therapeutics , Volume: 367 Issue: 3 2018 Dec

Authors Lau WL,Vaziri ND,Nunes ACF,Comeau AM,Langille MG,England W,Khazaeli M,Suematsu Y,Phan J,Whiteson K

Effects of Whole Milk Supplementation on Gut Microbiota and Cardiometabolic Biomarkers in Subjects with and without Lactose Malabsorption.

Nutrients , Volume: 10 Issue: 10 2018 Oct 2

Authors Li X,Yin J,Zhu Y,Wang X,Hu X,Bao W,Huang Y,Chen L,Chen S,Yang W,Shan Z,Liu L

Effects of daily consumption of the probiotic *Bifidobacterium animalis* subsp. *lactis* CECT 8145 on anthropometric adiposity biomarkers in abdominally obese subjects: a randomized controlled trial.

International journal of obesity (2005) , 2018 Sep 27

Authors Pedret A,Valls RM,Calderón-Pérez L,Llauradó E,Comanys J,Pla-Pagà L,Moragas A,Martín-Luján F,Ortega Y,Giralt M,Caimari A,Chenoll E,Genovés S,Martorell P,Codoñer FM,Ramón D,Arola L,Solà R

Behavioral response to fiber feedings cohort-dependent and associated with gut microbiota composition in mice.

Behavioural brain research , Volume: 359 2019 Feb 1

Authors Mailing LJ,Allen JM,Pence BD,Rytych J,Sun Y,Bhattacharya TK,Park P,Cross TL,McCusker RH,Swanson KS,Fahey GC,Rhodes JS,Kelley KW,Johnson RW,Woods JA

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

Lactobacillus acidophilus DDS-1 Modulates the Gut Microbiota and Improves Metabolic Profiles in Aging Mice.

Nutrients , Volume: 10 Issue: 9 2018 Sep 6

Authors Vemuri R,Shinde T,Gundamaraju R,Gondalia SV,Karpe AV,Beale DJ,Martoni CJ,Eri R

Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.

Archives of animal nutrition , Volume: 72 Issue: 6 2018 Dec

Authors Li B,Schroyen M,Leblois J,Wavreille J,Soyeurt H,Bindelle J,Everaert N

[Microbiological profiles of pathogens causing nosocomial bacteremia in 2011, 2013 and 2016].

Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 34 Issue: 8 2018 Aug 25

Authors Wang X,Zhao C,Li H,Chen H,Jin L,Wang Z,Liao K,Zeng J,Xu X,Jin Y,Su D,Liu W,Hu Z,Cao B,Chu Y,Zhang R,Luo Y,Hu B,Wang H

Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.

Environmental microbiology , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM,Van de Wiele T

Modulation of gut microbiota from obese individuals by in vitro fermentation of citrus pectin in combination with *Bifidobacterium longum* BB-46.

Applied microbiology and biotechnology , Volume: 102 Issue: 20 2018 Oct

Authors Bianchi F,Larsen N,de Mello Tieghi T,Adorno MAT,Kot W,Saad SMI,Jespersen L,Sivieri K

Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

Journal of evidence-based integrative medicine , Volume: 23 2018 Jan-Dec

Authors Peterson CT,Vaughn AR,Sharma V,Chopra D,Mills PJ,Peterson SN,Sivamani RK

The impact of *Clostridium butyricum* MIYAIRI 588 on the murine gut microbiome and colonic tissue.

Anaerobe , Volume: 54 2018 Dec

Authors Hagihara M,Yamashita R,Matsumoto A,Mori T,Kuroki Y,Kudo H,Oka K,Takahashi M,Nonogaki T,Yamagishi Y,Mikamo H

Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Mayta-Apaza AC,Pottgen E,De Bodt J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SQ,Carbonero F

A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.

Applied and environmental microbiology , Volume: 84 Issue: 19 2018 Oct 1

Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R

Barley Products of Different Fiber Composition Selectively Change Microbiota Composition in Rats.**Molecular nutrition & food research** , Volume: 62 Issue: 19 2018 Oct

Authors Teixeira C,Prykhodko O,Alminger M,Fåk Hållénius F,Nyman M

Western diet feeding influences gut microbiota profiles in apoE knockout mice.**Lipids in health and disease** , Volume: 17 Issue: 1 2018 Jul 18

Authors Liu B,Zhang Y,Wang R,An Y,Gao W,Bai L,Li Y,Zhao S,Fan J,Liu E

Probiotic Lactobacillus acidophilus Strain INMIA 9602 Er 317/402 Administration Reduces the Numbers of Candida albicans and Abundance of Enterobacteria in the Gut Microbiota of Familial Mediterranean Fever Patients.**Frontiers in immunology** , Volume: 9 2018

Authors Pepoyan A,Balayan M,Manvelyan A,Galstyan L,Pepoyan S,Petrosyan S,Tsaturyan V,Kamiya S,Torok T,Chikindas M

Pectin Alleviates High Fat (Lard) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.**Journal of agricultural and food chemistry** , 2018 Jul 20

Authors Li W,Zhang K,Yang H

Bifidobacterium bifidum TMC3115 Can Characteristically Influence Glucose and Lipid Profile and Intestinal Microbiota in the Middle-Aged and Elderly.**Probiotics and antimicrobial proteins** , 2018 Jul 5

Authors Wang K,Yu X,Li Y,Guo Y,Ge L,Pu F,Ma X,Cui W,Marrota F,He F,Li M

Beneficial effects of the commercial lactic acid bacteria product, Vigis 101, on gastric mucosa and intestinal bacterial flora in rats.**Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , 2018 Jun 23

Authors Kao L,Liu TH,Tsai TY,Pan TM

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

Composition and metabolism of fecal microbiota from normal and overweight children are differentially affected by melibiose, raffinose and raffinose-derived fructans.**Anaerobe** , Volume: 52 2018 Aug

Authors Adamberg K,Adamberg S,Ernits K,Larionova A,Voor T,Jaagura M,Visnapuu T,Alamäe T

High-Glucose or -Fructose Diet Cause Changes of the Gut Microbiota and Metabolic Disorders in Mice without Body Weight Change.**Nutrients** , Volume: 10 Issue: 6 2018 Jun 13

Authors Do MH,Lee E,Oh MJ,Kim Y,Park HY

The Ramazzini Institute 13-week pilot study on glyphosate and Roundup administered at human-equivalent dose to Sprague Dawley rats: effects on the microbiome.**Environmental health : a global access science source** , Volume: 17 Issue: 1 2018 May 29

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

Role of probiotics in the treatment of minimal hepatic encephalopathy in patients with HBV-induced liver cirrhosis.**The Journal of international medical research** , Volume: 46 Issue: 9 2018 Sep

Authors Xia X,Chen J,Xia J,Wang B,Liu H,Yang L,Wang Y,Ling Z

Effects of Whole-Grain Rice and Wheat on Composition of Gut Microbiota and Short-Chain Fatty Acids in Rats.**Journal of agricultural and food chemistry** , 2018 May 29

Authors Han F,Wang Y,Han Y,Zhao J,Han F,Song G,Jiang P,Miao H

Dietary fiber intervention on gut microbiota composition in healthy adults: a systematic review and meta-analysis.**The American journal of clinical nutrition** , Volume: 107 Issue: 6 2018 Jun 1

Authors So D,Whelan K,Rossi M,Morrison M,Holtmann G,Kelly JT,Shanahan ER,Staudacher HM,Campbell KL

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.**Food & function** , Volume: 9 Issue: 5 2018 May 23

Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X

Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.**Nutrients** , Volume: 10 Issue: 5 2018 May 8

Authors Klimenko NS,Tyakht AV,Popenko AS,Vasiliev AS,Altukhov IA,Ischenko DS,Shashkova TI,Efimova DA,Nikogosov DA,Osipenko DA,Musienko SV,Selezneva KS,Baranova A,Kurilshikov AM,Toshchakov SM,Korzhnikov AA,Samarov NI,Shevchenko MA,Tepluk AV,Alexeev DG

Response of Gut Microbiota to Metabolite Changes Induced by Endurance Exercise.**Frontiers in microbiology** , Volume: 9 2018

Authors Zhao X,Zhang Z,Hu B,Huang W,Yuan C,Zou L

Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial.

The Journal of nutrition , Volume: 148 Issue: 6 2018 Jun 1

Authors Holscher HD,Guetterman HM,Swanson KS,An R,Matthan NR,Lichtenstein AH,Novotny JA,Baer DJ

Role of *Lactobacillus reuteri* in Human Health and Diseases.

Frontiers in microbiology , Volume: 9 2018

Authors Mu Q,Tavella VJ,Luo XM

Ketogenic diet enhances neurovascular function with altered gut microbiome in young healthy mice.

Scientific reports , Volume: 8 Issue: 1 2018 Apr 27

Authors Ma D,Wang AC,Parikh I,Green SJ,Hoffman JD,Chlipala G,Murphy MP,Sokola BS,Bauer B,Hartz AMS,Lin AL

Feasibility of a *Lactobacillus casei* Drink in the Intensive Care Unit for Prevention of Antibiotic Associated Diarrhea and *Clostridium difficile*.

Nutrients , Volume: 10 Issue: 5 2018 Apr 26

Authors Alberda C,Marcushamer S,Hewer T,Journault N,Kutsogiannis D

Modifications in gut microbiota and fermentation metabolites in the hindgut of rats after the consumption of galactooligosaccharide glycated with a fish peptide.

Food & function , Volume: 9 Issue: 5 2018 May 1

Authors Jin W,Han K,Dong S,Yang Y,Mao Z,Su M,Zeng M

The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.

Molecular nutrition & food research , 2018 Apr 17

Authors González-Sarriás A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC

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

Smoking and the intestinal microbiome.

Archives of microbiology , Volume: 200 Issue: 5 2018 Jul

Authors Savin Z,Kivity S,Yonath H,Yehuda S

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

Effects of dietary *Bacillus amyloliquefaciens* supplementation on growth performance, intestinal morphology, inflammatory response, and microbiota of intra-uterine growth retarded weanling piglets.

Journal of animal science and biotechnology , Volume: 9 2018

Authors Li Y,Zhang H,Su W,Ying Z,Chen Y,Zhang L,Lu Z,Wang T

Oral supplementation of *Bifidobacterium longum* strain BR-108 alters cecal microbiota by stimulating gut immune system in mice irrespectively of viability.

Bioscience, biotechnology, and biochemistry , Volume: 82 Issue: 7 2018 Jul

Authors Makioka Y,Tsukahara T,Ijichi T,Inoue R

Extensive impact of non-antibiotic drugs on human gut bacteria.

Nature , Volume: 555 Issue: 7698 2018 Mar 29

Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A

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

Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.

Food & function , 2018 Feb 21

Authors Cheng W,Lu J,Lin W,Wei X,Li H,Zhao X,Jiang A,Yuan J

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

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

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

The effect of Clostridium butyricum on symptoms and fecal microbiota in diarrhea-dominant irritable bowel syndrome: a randomized, double-blind, placebo-controlled trial.

Scientific reports , Volume: 8 Issue: 1 2018 Feb 14

Authors Sun YY,Li M,Li YY,Li LX,Zhai WZ,Wang P,Yang XX,Gu X,Song LJ,Li Z,Zuo XL,Li YQ

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

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

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

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

[Assessment of the impact of vitamin and dietary fiber content in the diet on the characteristics of protective colon microbiota populations of rats].

Voprosy pitaniia , Volume: 84 Issue: 6 2015

Authors Markova YM,Sheveleva SA

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

Journal of animal science and biotechnology , Volume: 9 2018

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

Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.

Carcinogenesis , 2018 Jan 19

Authors Chen L,Jiang B,Zhong C,Guo J,Zhang L,Mu T,Zhang Q,Bi X

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

Influence of a diet enriched with virgin olive oil or butter on mouse gut microbiota and its correlation to physiological and biochemical parameters related to metabolic syndrome.

PloS one , Volume: 13 Issue: 1 2018

Authors Prieto I,Hidalgo M,Segarra AB,Martínez-Rodríguez AM,Cobo A,Ramírez M,Abriouel H,Gálvez A,Martínez-Cañamero M

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

Journal of food protection , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

Effects of fermented soymilk with Lactobacillus casei Shirota on skin condition and the gut microbiota: a randomised clinical pilot trial.

Beneficial microbes , Volume: 9 Issue: 2 2018 Feb 27

Authors Nagino T,Kaga C,Kano M,Masuoka N,Anbe M,Moriyama K,Maruyama K,Nakamura S,Shida K,Miyazaki K

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

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

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

Dietary Broccoli Impacts Microbial Community Structure and Attenuates Chemically Induced Colitis in Mice in an Ah receptor dependent manner.

Journal of functional foods , Volume: 37 2017 Oct

Authors Hubbard TD,Murray IA,Nichols RG,Cassel K,Podolsky M,Kuzu G,Tian Y,Smith P,Kennett MJ,Patterson AD,Perdew GH

The Impact of Long-Term Intake of Phenolic Compounds-Rich Grape Pomace on Rat Gut Microbiota.

Journal of food science , Volume: 83 Issue: 1 2018 Jan

Authors Chacar S,Itani T,Hajal J,Saliba Y,Louka N,Faivre JF,Maroun R,Fares N

[Effect of Probiotics on Pharmacokinetics of Orally Administered Acetaminophen in Mice.](#)

Drug metabolism and disposition: the biological fate of chemicals , Volume: 46 Issue: 2 2018 Feb

Authors Kim JK,Choi MS,Jeong JJ,Lim SM,Kim IS,Yoo HH,Kim DH

[Systematic review: human gut dysbiosis induced by non-antibiotic prescription medications.](#)

Alimentary pharmacology & therapeutics , Volume: 47 Issue: 3 2018 Feb

Authors Le Bastard Q,Al-Ghalith GA,Grégoire M,Chapelet G,Javaudin F,Dailly E,Batard E,Knights D,Montassier E

[Blood lactose after dairy product intake in healthy men.](#)

The British journal of nutrition , Volume: 118 Issue: 12 2017 Dec

Authors Pimentel G,Burton KJ,Rosikiewicz M,Freiburghaus C,von Ah U,Münger LH,Pralong FP,Vionnet N,Greub G,Badertscher R,Vergères G

[Effects of Lactobacillus acidophilus on gut microbiota composition in broilers challenged with Clostridium perfringens.](#)

PloS one , Volume: 12 Issue: 11 2017

Authors Li Z,Wang W,Liu D,Guo Y

[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

[Exercise Alters Gut Microbiota Composition and Function in Lean and Obese Humans.](#)

Medicine and science in sports and exercise , Volume: 50 Issue: 4 2018 Apr

Authors Allen JM,Mailing LJ,Niemiro GM,Moore R,Cook MD,White BA,Holscher HD,Woods JA

[A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.](#)

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

[Clostridium butyricum CGMCC0313.1 Protects against Autoimmune Diabetes by Modulating Intestinal Immune Homeostasis and Inducing Pancreatic Regulatory T Cells.](#)

Frontiers in immunology , Volume: 8 2017

Authors Jia L,Shan K,Pan LL,Feng N,Lv Z,Sun Y,Li J,Wu C,Zhang H,Chen W,Diana J,Sun J,Chen YQ

[Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.](#)

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

[In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.](#)

Journal of food science and technology , Volume: 54 Issue: 12 2017 Nov

Authors Ashraf SA,Al-Shammari E,Hussain T,Tajuddin S,Panda BP

[The effects of iron fortification and supplementation on the gut microbiome and diarrhea in infants and children: a review.](#)

The American journal of clinical nutrition , Volume: 106 Issue: Suppl 6 2017 Dec

Authors Paganini D,Zimmermann MB

[Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes.](#)

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shang W,Si X,Zhou Z,Li Y,Strappe P,Blanchard C

[Bifidobacterium longum BB536 alleviated upper respiratory illnesses and modulated gut microbiota profiles in Malaysian pre-school children.](#)

Beneficial microbes , Volume: 9 Issue: 1 2018 Jan 29

Authors Lau AS,Yanagisawa N,Hor YY,Lew LC,Ong JS,Chuah LO,Lee YY,Choi SB,Rashid F,Wahid N,Sugahara H,Xiao JZ,Liong MT

[Prebiotic potential of pectin and pectic oligosaccharides to promote anti-inflammatory commensal bacteria in the human colon.](#)

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

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

[Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.](#)

The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

[Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine](#)

Supplementation on Ruminant Microbiota in Dairy Cows Fed High-Grain Diets.**Frontiers in microbiology** , Volume: 8 2017

Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B

Effect of Functional Oligosaccharides and Ordinary Dietary Fiber on Intestinal Microbiota Diversity.**Frontiers in microbiology** , Volume: 8 2017

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

Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.**International journal of molecular sciences** , Volume: 18 Issue: 10 2017 Oct 4

Authors Medina DA,Pinto F,Ovalle A,Thomson P,Garrido D

Ketogenic diet poses a significant effect on imbalanced gut microbiota in infants with refractory epilepsy.**World journal of gastroenterology** , Volume: 23 Issue: 33 2017 Sep 7

Authors Xie G,Zhou Q,Qiu CZ,Dai WK,Wang HP,Li YH,Liao JX,Lu XG,Lin SF,Ye JH,Ma ZY,Wang WJ

Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs.**The Journal of nutrition** , Volume: 147 Issue: 11 2017 Nov

Authors Fohse JM,Gänzle MG,Beattie AD,Vasanthan T,Zijlstra RT

Lactobacillus fermentum FTDC 8312 combats hypercholesterolemia via alteration of gut microbiota.**Journal of biotechnology** , Volume: 262 2017 Nov 20

Authors Lye HS,Kato T,Low WY,Taylor TD,Prakash T,Lew LC,Ohno H,Liong MT

Moderate-Intensity Exercise Affects Gut Microbiome Composition and Influences Cardiac Function in Myocardial Infarction Mice.**Frontiers in microbiology** , Volume: 8 2017

Authors Liu Z,Liu HY,Zhou H,Zhan Q,Lai W,Zeng Q,Ren H,Xu D

Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier.**American journal of physiology. Endocrinology and metabolism** , Volume: 314 Issue: 4 2018 Apr 1

Authors Van Hul M,Geurts L,Plovier H,Druart C,Everard A,Ståhlman M,Rhimi M,Chira K,Teissedre PL,Delzenne NM,Maguin E,Guilbot A,Brochet A,Gérard P,Bäckhed F,Cani PD

A yeast fermentate improves gastrointestinal discomfort and constipation by modulation of the gut microbiome: results from a randomized double-blind placebo-controlled pilot trial.**BMC complementary and alternative medicine** , Volume: 17 Issue: 1 2017 Sep 4

Authors Pinheiro I,Robinson L,Verhelst A,Marzorati M,Winkens B,den Abbeele PV,Possemiers S

Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.**Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , 2017 Aug 29

Authors Lin TH,Pan TM

Lactobacillus plantarum LP-Onlly alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.**Molecular medicine reports** , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.**Food & nutrition research** , Volume: 61 Issue: 1 2017

Authors Shen L,Liu L, Ji HF

Changes in the gut microbial communities following addition of walnuts to the diet.**The Journal of nutritional biochemistry** , Volume: 48 2017 Oct

Authors Byerley LO,Samuels D,Blanchard E 4th,Luo M,Lorenzen BN,Banks S,Ponder MA,Welsh DA,Taylor CM

Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.**Food & function** , Volume: 8 Issue: 9 2017 Sep 20

Authors Wang G,Li X,Zhao J,Zhang H,Chen W

Disruption in the cecal microbiota of chickens challenged with Clostridium perfringens and other factors was alleviated by Bacillus licheniformis supplementation.**PloS one** , Volume: 12 Issue: 8 2017

Authors Lin Y,Xu S,Zeng D,Ni X,Zhou M,Zeng Y,Wang H,Zhou Y,Zhu H,Pan K,Li G

Specific Signatures of the Gut Microbiota and Increased Levels of Butyrate in Children Treated with Fermented Cow's Milk Containing Heat-Killed Lactobacillus paracasei CBA L74.**Applied and environmental microbiology** , Volume: 83 Issue: 19 2017 Oct 1

Authors Berni Canani R,De Filippis F,Nocerino R,Laiola M,Paparo L,Calignano A,De Caro C,Coretti L,Chiariotti L,Gilbert JA,Ercolini D

High-protein diet improves sensitivity to cholecystokinin and shifts the cecal microbiome without altering brain inflammation

in diet-induced obesity in rats.

American journal of physiology. Regulatory, integrative and comparative physiology , Volume: 313 Issue: 4 2017 Oct 1

Authors Wang L, Jacobs JP, Lagishetty V, Yuan PQ, Wu SV, Million M, Reeve JR Jr, Piseña JR, Taché Y

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

Monitoring *in vitro* antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.

Integrative medicine research , Volume: 3 Issue: 3 2014 Sep

Authors Rath S, Padhy RN

Temporal microbiota changes of high-protein diet intake in a rat model.

Anaerobe , Volume: 47 2017 Oct

Authors Mu C, Yang Y, Luo Z, Zhu W

Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects.

Omics : a journal of integrative biology , Volume: 22 Issue: 2 2018 Feb

Authors Bekiaries N, Krueger CG, Meudt JJ, Shanmuganayagam D, Reed JD

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

Gastrointestinal Simulation Model TWN-SHIME Shows Differences between Human Urolithin-Metabotypes in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract.

Journal of agricultural and food chemistry , Volume: 65 Issue: 27 2017 Jul 12

Authors García-Villalba R, Vissenaekens H, Pitart J, Romo-Vaquero M, Espín JC, Grootaert C, Selma MV, Raes K, Smagghe G, Possemiers S, Van Camp J, Tomas-Barberan FA

Association between Yogurt Consumption and Intestinal Microbiota in Healthy Young Adults Differs by Host Gender.

Frontiers in microbiology , Volume: 8 2017

Authors Suzuki Y, Ikeda K, Sakuma K, Kawai S, Sawaki K, Asahara T, Takahashi T, Tsuji H, Nomoto K, Nagpal R, Wang C, Nagata S, Yamashiro Y

Recovery of ethanol-induced *Akkermansia muciniphila* depletion ameliorates alcoholic liver disease.

Gut , 2017 May 26

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

Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.

Nutrients , Volume: 9 Issue: 6 2017 May 24

Authors Koutsos A, Lima M, Conterno L, Gasperotti M, Bianchi M, Fava F, Vrhovsek U, Lovegrove JA, Tuohy KM

Health benefit of vegetable/fruit juice-based diet: Role of microbiome

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM, Yang J, Shao P, Lee RP, Huang J, Ly A, Hsu M, Lu QY, Thames G, Heber D, Li Z

Effect of *Lactobacillus rhamnosus* HN001 and *Bifidobacterium longum* BB536 on the healthy gut microbiota composition at phyla and species level: A preliminary study.

World journal of gastroenterology , Volume: 23 Issue: 15 2017 Apr 21

Authors Toscano M, De Grandi R, Stronati L, De Vecchi E, Drago L

Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation.

Food & function , Volume: 8 Issue: 5 2017 May 24

Authors Wang L, Hu L, Yan S, Jiang T, Fang S, Wang G, Zhao J, Zhang H, Chen W

Effect of dietary supplementation with *Lactobacillus acidophilus* D2/CSL (CECT 4529) on caecum microbiome and productive performance in broiler chickens.

PloS one , Volume: 12 Issue: 5 2017

Authors De Cesare A, Sirri F, Manfreda G, Moniaci P, Giardini A, Zampiga M, Meluzzi A

[Effect of <i>Bacillus subtilis</i> and <i>Bacillus licheniformis</i> supplementation in diets with low- and high-protein content on ileal crude protein and amino acid digestibility and intestinal microbiota composition of growing pigs.](#)

Journal of animal science and biotechnology , Volume: 8 2017

Authors Kaewtapee C, Burbach K, Tomforde G, Hartinger T, Camarinha-Silva A, Heinritz S, Seifert J, Wiltafsky M, Mosenthin R, Rosenfelder-Kuon P

[Effect of a probiotic beverage consumption \(Enterococcus faecium CRL 183 and Bifidobacterium longum ATCC 15707\) in rats with chemically induced colitis.](#)

PloS one , Volume: 12 Issue: 4 2017

Authors Celiberto LS, Bedani R, Dejana NN, Ivo de Medeiros A, Sampaio Zuanon JA, Spolidorio LC, Tallarico Adorno MA, Amâncio Varesche MB, Carrilho Galvão F, Valentini SR, Font de Valdez G, Rossi EA, Cavallini DCU

[Inulin with different degrees of polymerization modulates composition of intestinal microbiota in mice.](#)

FEMS microbiology letters , Volume: 364 Issue: 10 2017 May 1

Authors Zhu L, Qin S, Zhai S, Gao Y, Li L

[Influence of diet on the gut microbiome and implications for human health.](#)

Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK, Chang HW, Yan D, Lee KM, Ucmak D, Wong K, Abrouk M, Farahnik B, Nakamura M, Zhu TH, Bhutani T, Liao W

[Impact of probiotic Saccharomyces boulardii on the gut microbiome composition in HIV-treated patients: A double-blind, randomised, placebo-controlled trial.](#)

PloS one , Volume: 12 Issue: 4 2017

Authors Villar-García J, Güerri-Fernández R, Moya A, González A, Hernández JJ, Lerma E, Guelar A, Sorli L, Horcajada JP, Artacho A, D Auria G, Knobel H

[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

[Changes in intestinal microbiota composition and metabolism coincide with increased intestinal permeability in young adults under prolonged physiological stress.](#)

American journal of physiology. Gastrointestinal and liver physiology , Volume: 312 Issue: 6 2017 Jun 1

Authors Karl JP, Margolis LM, Madslie EH, Murphy NE, Castellani JW, Gundersen Y, Hoke AV, Levangie MW, Kumar R, Chakraborty N, Gautam A, Hammamieh R, Martini S, Montain SJ, Pasiakos SM

[Deprescribing versus continuation of chronic proton pump inhibitor use in adults.](#)

The Cochrane database of systematic reviews , Volume: 3 Issue: 3 2017 Mar 16

Authors Boghossian TA, Rashid FJ, Thompson W, Welch V, Moayyedi P, Rojas-Fernandez C, Pottie K, Farrell B

[Effect of Whole Grain Qingke \(Tibetan Hordeum vulgare L. Zangqing 320\) on the Serum Lipid Levels and Intestinal Microbiota of Rats under High-Fat Diet.](#)

Journal of agricultural and food chemistry , Volume: 65 Issue: 13 2017 Apr 5

Authors Xia X, Li G, Ding Y, Ren T, Zheng J, Kan J

[Effect of dietary polyphenol-rich grape seed on growth performance, antioxidant capacity and ileal microflora in broiler chicks.](#)

Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb

Authors Abu Hafsa SH, Ibrahim SA

[Raw meat based diet influences faecal microbiome and end products of fermentation in healthy dogs.](#)

BMC veterinary research , Volume: 13 Issue: 1 2017 Feb 28

Authors Sandri M, Dal Monego S, Conte G, Sgorlon S, Stefanon B

[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

[The Safety of Appropriate Use of Over-the-Counter Proton Pump Inhibitors: An Evidence-Based Review and Delphi Consensus.](#)

Drugs , Volume: 77 Issue: 5 2017 Apr

Authors Johnson DA, Katz PO, Armstrong D, Cohen H, Delaney BC, Howden CW, Katelaris P, Tutuian RI, Castell DO

[Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.](#)

Gut , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D, Falony G, Vieira-Silva S, Wang J, Sailer M, Theis S, Verbeke K, Raes J

[Of the milk sugars, galactose, but not prebiotic galacto-oligosaccharide, improves insulin sensitivity in male Sprague-Dawley rats.](#)

PloS one , Volume: 12 Issue: 2 2017

Authors Stahel P, Kim JJ, Xiao C, Cant JP

Kodo millet whole grain and bran supplementation prevents high-fat diet induced derangements in a lipid profile, inflammatory status and gut bacteria in mice.

Food & function , Volume: 8 Issue: 3 2017 Mar 22

Authors Sarma SM, Khare P, Jagtap S, Singh DP, Baboota RK, Podili K, Boparai RK, Kaur J, Bhutani KK, Bishnoi M, Kondepudi KK

Substituting whole grains for refined grains in a 6-wk randomized trial has a modest effect on gut microbiota and immune and inflammatory markers of healthy adults.

The American journal of clinical nutrition , Volume: 105 Issue: 3 2017 Mar

Authors Vanegas SM, Meydani M, Barnett JB, Goldin B, Kane A, Rasmussen H, Brown C, Vangay P, Knights D, Jonnalagadda S, Koecher K, Karl JP, Thomas M, Dolnikowski G, Li L, Saltzman E, Wu D, Meydani SN

Drunk bugs: Chronic vapour alcohol exposure induces marked changes in the gut microbiome in mice.

Behavioural brain research , Volume: 323 2017 Apr 14

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

Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.

Journal of dairy science , Volume: 100 Issue: 4 2017 Apr

Authors Boudry G, Hamilton MK, Chichlowski M, Wickramasinghe S, Barile D, Kalanetra KM, Mills DA, Raybould HE

Etiologies of community-onset urinary tract infections requiring hospitalization and antimicrobial susceptibilities of causative microorganisms.

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , Volume: 50 Issue: 6 2017 Dec

Authors Chiu CC, Lin TC, Wu RX, Yang YS, Hsiao PJ, Lee Y, Lin JC, Chang FY

Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals.

Proceedings of the National Academy of Sciences of the United States of America , Volume: 114 Issue: 3 2017 Jan 17

Authors Azcarate-Peril MA, Ritter AJ, Savaiano D, Monteagudo-Mera A, Anderson C, Magness ST, Klaenhammer TR

A metagenomic study of the preventive effect of Lactobacillus rhamnosus GG on intestinal polyp formation in Apc^{Min/+} mice.

Journal of applied microbiology , Volume: 122 Issue: 3 2017 Mar

Authors Ni Y, Wong VH, Tai WC, Li J, Wong WY, Lee MM, Fong FL, El-Nezami H, Panagiotou G

Early-Life Sugar Consumption Affects the Rat Microbiome Independently of Obesity.

The Journal of nutrition , Volume: 147 Issue: 1 2017 Jan

Authors Noble EE, Hsu TM, Jones RB, Fodor AA, Goran MI, Kanoski SE

Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.

Diabetes , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM, Kim TT, Denou E, Soltys CM, Hamza SM, Byrne NJ, Masson G, Park H, Wishart DS, Madsen KL, Schertzer JD, Dyck JR

Gut-borne Saccharomyces cerevisiae, a promising candidate for the formulation of feed additives, modulates immune system and gut microbiota.

Beneficial microbes , Volume: 7 Issue: 5 2016 Nov 30

Authors García G, Dogi C, de Moreno de LeBlanc A, Greco C, Cavaglieri L

Oligofructose as an adjunct in treatment of diabetes in NOD mice.

Scientific reports , Volume: 6 2016 Nov 22

Authors Chan C, Hyslop CM, Shrivastava V, Ochoa A, Reimer RA, Huang C

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

Frontiers in microbiology , Volume: 7 2016

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

Veggies and Intact Grains a Day Keep the Pathogens Away.

Cell , Volume: 167 Issue: 5 2016 Nov 17

Authors Gazzaniga FS, Kasper DL

Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.

International journal of food microbiology , Volume: 241 2017 Jan 16

Authors Moens F, Verce M, De Vuyst L

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

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

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

Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.

Scientific reports , Volume: 6 2016 Oct 3

Authors Smith-Brown P,Morrison M,Krause L,Davies PS

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.

Journal of the science of food and agriculture , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.

Journal of periodontology , Volume: 88 Issue: 2 2017 Feb

Authors Oliveira LF,Salvador SL,Silva PH,Furlaneto FA,Figueiredo L,Casarin R,Evolino E,Palioto DB,Souza SL,Taba M Jr,Novaes AB Jr,Messora MR

Apple peel polyphenols: a key player in the prevention and treatment of experimental inflammatory bowel disease.

Clinical science (London, England : 1979) , Volume: 130 Issue: 23 2016 Dec 1

Authors Denis MC,Roy D,Yeganeh PR,Desjardins Y,Varin T,Haddad N,Amre D,Sané AT,Garofalo C,Furtos A,Patey N,Delvin E,Tremblay E,Marette A,Beaulieu JF,Levy E

Japanese traditional dietary fungus koji Aspergillus oryzae functions as a prebiotic for Blautia coccoides through glycosylceramide: Japanese dietary fungus koji is a new prebiotic.

SpringerPlus , Volume: 5 Issue: 1 2016

Authors Hamajima H,Matsunaga H,Fujikawa A,Sato T,Mitsutake S,Yanagita T,Nagao K,Nakayama J,Kitagaki H

Iron Fortification of Foods for Infants and Children in Low-Income Countries: Effects on the Gut Microbiome, Gut Inflammation, and Diarrhea.

Nutrients , Volume: 8 Issue: 8 2016 Aug 12

Authors Paganini D,Uyoga MA,Zimmermann MB

Non-absorbable apple procyanidins prevent obesity associated with gut microbial and metabolomic changes.

Scientific reports , Volume: 6 2016 Aug 10

Authors Masumoto S,Terao A,Yamamoto Y,Mukai T,Miura T,Shoji T

The effect of volatile oil mixtures on the performance and ileo-caecal microflora of broiler chickens.

British poultry science , Volume: 57 Issue: 6 2016 Dec

Authors Cetin E,Yibar A,Yesilbag D,Cetin I,Cengiz SS

Enhancing flora balance in the gastrointestinal tract of mice by lactic acid bacteria from Chinese sourdough and enzyme activities indicative of metabolism of protein, fat, and carbohydrate by the flora.

Journal of dairy science , Volume: 99 Issue: 10 2016 Oct

Authors Yang D,Yu X,Wu Y,Chen X,Wei H,Shah NP,Xu F

Dietary Casein and Soy Protein Isolate Modulate the Effects of Raffinose and Fructooligosaccharides on the Composition and Fermentation of Gut Microbiota in Rats.

Journal of food science , Volume: 81 Issue: 8 2016 Aug

Authors Bai G,Ni K,Tsuruta T,Nishino N

Lactobacillus fermentum CRL1446 Ameliorates Oxidative and Metabolic Parameters by Increasing Intestinal Feruloyl Esterase Activity and Modulating Microbiota in Calorie-Restricted Mice.

Nutrients , Volume: 8 Issue: 7 2016 Jul 7

Authors Russo M,Fabersani E,Abeijón-Mukdsi MC,Ross R,Fontana C,Benítez-Páez A,Gauffin-Cano P,Medina RB

In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.

Journal of intercultural ethnopharmacology , Volume: 5 Issue: 3 2016 Jun-Aug

Authors Sakkas H,Gousia P,Economou V,Sakkas V,Petsios S,Papadopoulou C

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

Scientific reports , Volume: 6 2016 Jun 13

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

Effect of Bifidobacterium upon Clostridium difficile Growth and Toxicity When Co-cultured in Different Prebiotic Substrates.

Frontiers in microbiology , Volume: 7 2016

Authors Valdés-Varela L,Hernández-Barranco AM,Ruas-Madiedo P,Gueimonde M

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

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

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

Prevalence and Antimicrobial Resistance Patterns of Diarrheagenic Escherichia coli in Shanghai, China.

The Pediatric infectious disease journal , Volume: 35 Issue: 8 2016 Aug

Authors Huang Z,Pan H,Zhang P,Cao X,Ju W,Wang C,Zhang J,Meng J,Yuan Z,Xu X

Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.**Poultry science** , Volume: 95 Issue: 11 2016 Nov 1

Authors Forte C,Acuti G,Manuali E,Casagrande Proietti P,Pavone S,Trabalza-Marinucci M,Moscato L,Onofri A,Lorenzetti C,Franciosi MP

Effect of probiotic yoghurt on animal-based diet-induced change in gut microbiota: an open, randomised, parallel-group study.**Beneficial microbes** , Volume: 7 Issue: 4 2016 Sep

Authors Odamaki T,Kato K,Sugahara H,Xiao JZ,Abe F,Benno Y

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

Lactobacillus rhamnosus GG Intake Modifies Preschool Children`s Intestinal Microbiota, Alleviates Penicillin-Associated Changes, and Reduces Antibiotic Use.**PloS one** , Volume: 11 Issue: 4 2016

Authors Korpela K,Salonen A,Virta LJ,Kumpu M,Kekkonen RA,de Vos WM

Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat`s tissue homogenate.**Pakistan journal of pharmaceutical sciences** , Volume: 29 Issue: 2 2016 Mar

Authors Hassan W,Gul S,Rehman S,Kanwal F,Afridi MS,Fazal H,Shah Z,Rahman A,da Rocha JB

Nondigestible Fructans Alter Gastrointestinal Barrier Function, Gene Expression, Histomorphology, and the Microbiota Profiles of Diet-Induced Obese C57BL/6J Mice.**The Journal of nutrition** , Volume: 146 Issue: 5 2016 May

Authors Liu TW,Cephas KD,Holscher HD,Kerr KR,Mangian HF,Tappenden KA,Swanson KS

Effect of Formula Containing Lactobacillus reuteri DSM 17938 on Fecal Microbiota of Infants Born by Cesarean-Section.**Journal of pediatric gastroenterology and nutrition** , Volume: 63 Issue: 6 2016 Dec

Authors Garcia Rodenas CL,Lepage M,Ngom-Bru C,Fotiou A,Papagaroufalos K,Berger B

Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.**Journal of pediatric gastroenterology and nutrition** , Volume: 63 Issue: 6 2016 Dec

Authors Berding K,Wang M,Monaco MH,Alexander LS,Mudd AT,Chichlowski M,Waworuntu RV,Berg BM,Miller MJ,Dilger RN,Donovan SM

Probiotics for the Primary and Secondary Prevention of C. difficile Infections: A Meta-analysis and Systematic Review.**Antibiotics (Basel, Switzerland)** , Volume: 4 Issue: 2 2015 Apr 13

Authors McFarland LV

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

Impact of probiotic supplements on microbiome diversity following antibiotic treatment of mice**Gut Microbes** , Volume: 7 Issue: 2 2016 Mar 10

Authors Grazul H,Kanda LL,Gondek D

Effect of Wheat Dietary Fiber Particle Size during Digestion In Vitro on Bile Acid, Faecal Bacteria and Short-Chain Fatty Acid Content.**Plant foods for human nutrition (Dordrecht, Netherlands)** , Volume: 71 Issue: 2 2016 Jun

Authors Dziedzic K,Szwengiel A,Górecka D,Gujka E,Kaczowska J,Drozdzyńska A,Walkowiak J

A comparison of the gut microbiome between long-term users and non-users of proton pump inhibitors.**Alimentary pharmacology & therapeutics** , Volume: 43 Issue: 9 2016 May

Authors Clooney AG,Bernstein CN,Leslie WD,Vagianos K,Sargent M,Laserna-Mendieta EJ,Claesson MJ,Targownik LE

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.**Food & function** , Volume: 7 Issue: 3 2016 Mar

Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY

High Molecular Weight Barley β -Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.**Frontiers in microbiology** , Volume: 7 2016

Authors Wang Y,Ames NP,Tun HM,Tosh SM,Jones PJ,Khafipour E

Lingonberries reduce atherosclerosis in Apoe(-/-) mice in association with altered gut microbiota composition and improved lipid profile.

Molecular nutrition & food research , Volume: 60 Issue: 5 2016 May

Authors Matziouridou C,Marunguang N,Nguyen TD,Nyman M,Fåk F

[Purification and characteristics of a novel bacteriocin produced by Enterococcus faecalis L11 isolated from Chinese traditional fermented cucumber.](#)**Biotechnology letters** , Volume: 38 Issue: 5 2016 May

Authors Gao Y,Li B,Li D,Zhang L

[Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.](#)**Gut** , Volume: 66 Issue: 5 2017 May

Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkouvados I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D

[The Colonic Microbiome and Epithelial Transcriptome Are Altered in Rats Fed a High-Protein Diet Compared with a Normal-Protein Diet.](#)**The Journal of nutrition** , Volume: 146 Issue: 3 2016 Mar

Authors Mu C,Yang Y,Luo Z,Guan L,Zhu W

[High purity galacto-oligosaccharides enhance specific Bifidobacterium species and their metabolic activity in the mouse gut microbiome.](#)**Beneficial microbes** , Volume: 7 Issue: 2 2016

Authors Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA

[The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 \(IBRC-M 10784\) as Probiotic Bacteria in vitro.](#)**Archives of Iranian medicine** , Volume: 19 Issue: 2 2016 Feb

Authors Mahboubi M,Kazempour N

[Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.](#)**Journal of dairy science** , Volume: 99 Issue: 3 2016 Mar

Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X

[Antibacterial Activity of Probiotic Lactobacillus plantarum HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.](#)**Probiotics and antimicrobial proteins** , Volume: 5 Issue: 2 2013 Jun

Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K

[Microbial Metabolism Shifts Towards an Adverse Profile with Supplementary Iron in the TIM-2 In vitro Model of the Human Colon.](#)**Frontiers in microbiology** , Volume: 6 2015

Authors Kortman GA,Dutilh BE,Maathuis AJ,Engelke UF,Boekhorst J,Keegan KP,Nielsen FG,Betley J,Weir JC,Kingsbury Z,Kluijtmans LA,Swinkels DW,Venema K,Tjalsma H

[Extrusion of barley and oat influence the fecal microbiota and SCFA profile of growing pigs.](#)**Food & function** , Volume: 7 Issue: 2 2016 Feb

Authors Moen B,Berget I,Rud I,Hole AS,Kjos NP,Sahlstrøm S

[Western diet induces a shift in microbiota composition enhancing susceptibility to Adherent-Invasive E. coli infection and intestinal inflammation.](#)**Scientific reports** , Volume: 6 2016 Jan 8

Authors Agus A,Denizot J,Thévenot J,Martinez-Medina M,Massier S,Sauvanet P,Bernalier-Donadille A,Denis S,Hofman P,Bonnet R,Billard E,Barnich N

[The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent.](#)**PloS one** , Volume: 10 Issue: 12 2015

Authors Aktas B,De Wolfe TJ,Tandee K,Safdar N,Darien BJ,Steele JL

[Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets.](#)**The Journal of nutrition** , Volume: 146 Issue: 2 2016 Feb

Authors Jacobi SK,Yatsunenkov T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J

[Changes in Gut and Plasma Microbiome following Exercise Challenge in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome \(ME/CFS\).](#)**PloS one** , Volume: 10 Issue: 12 2015

Authors Shukla SK,Cook D,Meyer J,Vernon SD,Le T,Clevidence D,Robertson CE,Schrodi SJ,Yale S,Frank DN

[Effects of probiotics Pediococcus acidilactici strain MA18/5M and Saccharomyces cerevisiae subsp. boulardii strain SB-CNCM I-1079 on fecal and intestinal microbiota of nursing and weanling piglets.](#)**Journal of animal science** , Volume: 93 Issue: 11 2015 Nov

Authors Brousseau JP,Talbot G,Beaudoin F,Lauzon K,Roy D,Lessard M

[Red wine polyphenols modulate fecal microbiota and reduce markers of the metabolic syndrome in obese patients.](#)

Food & function , Volume: 7 Issue: 4 2016 Apr

Authors Moreno-Indias I,Sánchez-Alcoholado L,Pérez-Martínez P,Andrés-Lacueva C,Cardona F,Tinahones F,Queipo-Ortuño MI

[Role of colonic microbiota in colorectal carcinogenesis: a systematic review.](#)

Revista espanola de enfermedades digestivas , Volume: 107 Issue: 11 2015 Nov

Authors Borges-Canha M,Portela-Cidade JP,Dinis-Ribeiro M,Leite-Moreira AF,Pimentel-Nunes P

[Membrane filter method to study the effects of Lactobacillus acidophilus and Bifidobacterium longum on fecal microbiota.](#)

Microbiology and immunology , Volume: 59 Issue: 11 2015 Nov

Authors Shimizu H,Benno Y

[Effect of Bacillus subtilis CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.](#)

Journal of applied microbiology , Volume: 120 Issue: 1 2016 Jan

Authors Li Y,Xu Q,Huang Z,Lv L,Liu X,Yin C,Yan H,Yuan J

[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

[Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.](#)

The ISME journal , Volume: 10 Issue: 3 2016 Mar

Authors Berni Canani R,Sangwan N,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR

[Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.](#)

Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

[Effects of pre-encapsulated and pro-encapsulated Enterococcus faecalis on growth performance, blood characteristics, and cecal microflora in broiler chickens.](#)

Poultry science , Volume: 94 Issue: 11 2015 Nov

Authors Zhang L,Li J,Yun TT,Qi WT,Liang XX,Wang YW,Li AK

[Saccharomyces boulardii CNCM I-745 supports regeneration of the intestinal microbiota after diarrheic dysbiosis - a review.](#)

Clinical and experimental gastroenterology , Volume: 8 2015

Authors Moré MI,Swidsinski A

[Antimicrobial activity and the presence of virulence factors and bacteriocin structural genes in Enterococcus faecium CM33 isolated from ewe colostrum.](#)

Frontiers in microbiology , Volume: 6 2015

Authors Nami Y,Haghshenas B,Haghshenas M,Yari Khosroushahi A

[Reutericyclin producing Lactobacillus reuteri modulates development of fecal microbiota in weanling pigs.](#)

Frontiers in microbiology , Volume: 6 2015

Authors Yang Y,Zhao X,Le MH,Zijlstra RT,Gänzle MG

[\[Lactobacillus rhamnosus GG inhibits Cronobacter-induced meningitis in neonatal rats\].](#)

Nan fang yi ke da xue xue bao = Journal of Southern Medical University , Volume: 35 Issue: 8 2015 Aug

Authors Zhong L,Lin R,Long B,Wu X,Fan H

[Characterization of the Intestinal Lactobacilli Community following Galactooligosaccharides and Polydextrose Supplementation in the Neonatal Piglet.](#)

PloS one , Volume: 10 Issue: 8 2015

Authors Hoeflinger JL,Kashtanov DO,Cox SB,Dowd SE,Jouni ZE,Donovan SM,Miller MJ

[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 and in vivo examination of anticolonization of pathogens by Lactobacillus paracasei FJ861111.1](#)

Journal of dairy science , Volume: 98 Issue: 10 2015 Oct

Authors Deng K,Chen T,Wu Q,Xin H,Wei Q,Hu P,Wang X,Wang X,Wei H,Shah NP

[In vitro fermentation of lupin seeds \(Lupinus albus\) and broad beans \(Vicia faba\): dynamic modulation of the intestinal microbiota and metabolomic output.](#)

Food & function , Volume: 6 Issue: 10 2015 Oct

Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM

[Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.](#)

Biology of sex differences , Volume: 6 2015

Authors Shastri P,McCarville J,Kalmokoff M,Brooks SP,Green-Johnson JM

[Effect of daily intake of pomegranate juice on fecal microbiota and feces metabolites from healthy volunteers.](#)

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Mosele JI,Gosalbes MJ,Macià A,Rubió L,Vázquez-Castellanos JF,Jiménez Hernández N,Moya A,Latorre A,Motilva MJ

[Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.](#)

Food & function , Volume: 6 Issue: 8 2015 Aug

Authors Li Z,Henning SM,Lee RP,Lu QY,Summanen PH,Thames G,Corbett K,Downes J,Tseng CH,Finegold SM,Heber D

[Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.](#)

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

[Wheat and barley differently affect porcine intestinal microbiota.](#)

Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

[In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.](#)

Journal of dairy science , Volume: 98 Issue: 9 2015 Sep

Authors Huang R,Tao X,Wan C,Li S,Xu H,Xu F,Shah NP,Wei H

[In 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

[Butyrylated starch intake can prevent red meat-induced O6-methyl-2-deoxyguanosine adducts in human rectal tissue: a randomised clinical trial.](#)

The British journal of nutrition , Volume: 114 Issue: 2 2015 Jul

Authors Le Leu RK,Winter JM,Christophersen CT,Young GP,Humphreys KJ,Hu Y,Gratz SW,Miller RB,Topping DL,Bird AR,Conlon MA

[Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.](#)

Recent patents on food, nutrition & agriculture , Volume: 7 Issue: 1 2015

Authors Ozogul Y,Kuley E,Ucar Y,Ozogul F

[Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.](#)

Anaerobe , Volume: 34 2015 Aug

Authors Li Z,Summanen PH,Komoriya T,Henning SM,Lee RP,Carlson E,Heber D,Finegold SM

[Interactions between Diet, Bile Acid Metabolism, Gut Microbiota, and Inflammatory Bowel Diseases.](#)

Digestive diseases (Basel, Switzerland) , Volume: 33 Issue: 3 2015

Authors Devkota S,Chang EB

[Antimicrobial activity and antibiotic susceptibility of <i>Lactobacillus</i> and <i>Bifidobacterium</i> spp. intended for use as starter and probiotic cultures.](#)

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

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

[Review article: dietary fibre-microbiota interactions.](#)

Alimentary pharmacology & therapeutics , Volume: 42 Issue: 2 2015 Jul

Authors Simpson HL,Campbell BJ

[Effectiveness of inactivation of foodborne pathogens during simulated home pan frying of steak, hamburger or meat strips.](#)

International journal of food microbiology , Volume: 206 2015 Aug 3

Authors Lahou E,Wang X,De Boeck E,Verguldt E,Geeraerd A,Devlieghere F,Uyttendaele M

[Oral Microbiota Shift after 12-Week Supplementation with Lactobacillus reuteri DSM 17938 and PTA 5289; A Randomized Control Trial.](#)

PloS one , Volume: 10 Issue: 5 2015

Authors Romani Vestman N,Chen T,Lif Holgersson P,Öhman C,Johansson I

[Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.](#)

The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi , Volume: 65 Issue: 4 2015 Apr

Authors Shadnough M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M

[Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets.](#)

The British journal of nutrition , Volume: 113 Issue: 10 2015 May 28

Authors Zhong Y,Marungruang N,Fák F,Nyman M

Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.

Food chemistry , Volume: 183 2015 Sep 15

Authors Sánchez-Patán F,Barroso E,van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta MC,Peláez C,Requena T,Bartolomé B

Effects of sub-lethal concentrations of thyme and oregano essential oils, carvacrol, thymol, citral and trans-2-hexenal on membrane fatty acid composition and volatile molecule profile of Listeria monocytogenes, Escherichia coli and Salmonella enteritidis.

Food chemistry , Volume: 182 2015 Sep 1

Authors Siroli L,Patrighani F,Gardini F,Lanciotti R

Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.

International journal of food microbiology , Volume: 202 2015 Jun 2

Authors Akdemir Evrendilek G

Reshaping faecal gut microbiota composition by the intake of trans-resveratrol and quercetin in high-fat sucrose diet-fed rats.

The Journal of nutritional biochemistry , Volume: 26 Issue: 6 2015 Jun

Authors Etxeberria U,Arias N,Boqué N,Macarulla MT,Portillo MP,Martínez JA,Milagro FI

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY

High amount of dietary fiber not harmful but favorable for Crohn disease.

The Permanente journal , Volume: 19 Issue: 1 2015 Winter

Authors Chiba M,Tsuji T,Nakane K,Komatsu M

In vitro fermentation of fructooligosaccharides with human gut bacteria.

Food & function , Volume: 6 Issue: 3 2015 Mar

Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.

Beneficial microbes , Volume: 6 Issue: 4 2015

Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.

Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun

Authors Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM

Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber.

The American journal of clinical nutrition , Volume: 101 Issue: 2 2015 Feb

Authors Vitaglione P,Mennella I,Ferracane R,Rivellese AA,Giacco R,Ercolini D,Gibbons SM,La Stora A,Gilbert JA,Jonnalagadda S,Thielecke F,Gallo MA,Scalfi L,Fogliano V

Whole grain oats improve insulin sensitivity and plasma cholesterol profile and modify gut microbiota composition in C57BL/6J mice.

The Journal of nutrition , Volume: 145 Issue: 2 2015 Feb

Authors Zhou AL,Hergert N,Rompato G,Lefevre M

Phenotypic and Molecular Characterization of Extended-Spectrum β -Lactamase Produced by Escherichia coli, and Klebsiella pneumoniae Isolates in an Educational Hospital.

Jundishapur journal of microbiology , Volume: 7 Issue: 10 2014 Oct

Authors Gholipour A,Soleimani N,Shokri D,Mobasherizadeh S,Kardi M,Baradaran A

[Clinical benefits after soluble dietary fiber supplementation: a randomized clinical trial in adults with slow-transit constipation].

Zhonghua yi xue za zhi , Volume: 94 Issue: 48 2014 Dec 30

Authors Xu L,Yu W,Jiang J,Li N

Dietary Enterococcus faecalis LAB31 improves growth performance, reduces diarrhea, and increases fecal Lactobacillus number of weaned piglets.

PloS one , Volume: 10 Issue: 1 2015

Authors Hu Y,Dun Y,Li S,Zhang D,Peng N,Zhao S,Liang Y

Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed chardonnay grape seed flour.

Journal of agricultural and food chemistry , Volume: 63 Issue: 5 2015 Feb 11

Authors Kim H, Kim DH, Seo KH, Chon JW, Nah SY, Bartley GE, Arvik T, Lipson R, Yokoyama W

In situ prebiotics for weaning piglets: in vitro production and fermentation of potato galacto-rhamnogalacturonan.

Applied and environmental microbiology , Volume: 81 Issue: 5 2015 Mar

Authors Strube ML, Ravn HC, Ingerslev HC, Meyer AS, Boye M

Metatranscriptomic analyses of plant cell wall polysaccharide degradation by microorganisms in the cow rumen.

Applied and environmental microbiology , Volume: 81 Issue: 4 2015 Feb

Authors Dai X, Tian Y, Li J, Luo Y, Liu D, Zheng H, Wang J, Dong Z, Hu S, Huang L

Effect of Lactobacillus rhamnosus hsrlym 1301 on the Gut Microbiota and Lipid Metabolism in Rats Fed a High-Fat Diet.

Journal of microbiology and biotechnology , Volume: 25 Issue: 5 2015 May

Authors Chen D, Yang Z, Chen X, Huang Y, Yin B, Guo F, Zhao H, Huang J, Wu Y, Gu R

Arabinoxylan in wheat is more responsible than cellulose for promoting intestinal barrier function in weaned male piglets.

The Journal of nutrition , Volume: 145 Issue: 1 2015 Jan

Authors Chen H, Wang W, Degroote J, Possemiers S, Chen D, De Smet S, Michiels J

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

Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults.

The Journal of nutrition , Volume: 144 Issue: 11 2014 Nov

Authors Ferrario C, Taverniti V, Milani C, Fiore W, Laureati M, De Noni I, Stuknyte M, Chouaia B, Riso P, Guglielmetti S

Prebiotic effect of an infant formula supplemented with galacto-oligosaccharides: randomized multicenter trial.

Journal of the American College of Nutrition , Volume: 33 Issue: 5 2014

Authors Giovannini M, Verduci E, Gregori D, Ballali S, Soldi S, Ghisleni D, Riva E, PLAGOS Trial Study Group.

Active dry Saccharomyces cerevisiae can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.

Journal of dairy science , Volume: 97 Issue: 12 2014 Dec

Authors AlZahal O, Dionissopoulos L, Laarman AH, Walker N, McBride BW

Effect of Bacillus subtilis C-3102 spores as a probiotic feed supplement on growth performance, noxious gas emission, and intestinal microflora in broilers.

Poultry science , Volume: 93 Issue: 12 2014 Dec

Authors Jeong JS, Kim IH

Retardation of Listeria monocytogenes growth in mozzarella cheese using antimicrobial sachets containing rosemary oil and thyme oil.

Journal of food science , Volume: 79 Issue: 11 2014 Nov

Authors Han JH, Patel D, Kim JE, Min SC

Effect of prebiotics on the fecal microbiota of elderly volunteers after dietary supplementation of Bacillus coagulans GBI-30, 6086.

Anaerobe , Volume: 30 2014 Dec

Authors Nyangale EP, Farmer S, Keller D, Chernoff D, Gibson GR

Iron fortification adversely affects the gut microbiome, increases pathogen abundance and induces intestinal inflammation in Kenyan infants.

Gut , Volume: 64 Issue: 5 2015 May

Authors Jaeggi T, Kortman GA, Moretti D, Chassard C, Holding P, Dostal A, Boekhorst J, Timmerman HM, Swinkels DW, Tjalsma H, Njenga J, Mwambi A, Kvalsvig J, Lacroix C, Zimmermann MIB

Synbiotic Lactobacillus acidophilus NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial.

FEMS microbiology ecology , Volume: 90 Issue: 1 2014 Oct

Authors van Zanten GC, Krych L, Røytö H, Forssten S, Lahtinen SJ, Abu Al-Soud W, Sørensen S, Svensson B, Jespersen L, Jakobsen M

Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW, Pinchak WE, Dowd S, Dorton K, Yoon I, Min BR, Fulford JD, Wickersham TA, Malinowski DP

Coexpression and secretion of endoglucanase and phytase genes in Lactobacillus reuteri.

International journal of molecular sciences , Volume: 15 Issue: 7 2014 Jul 21

Authors Wang L, Yang Y, Cai B, Cao P, Yang M, Chen Y

Bacteriologic profile and antibiogram of blood culture isolates from a children`s hospital in Kabul.

Journal of the College of Physicians and Surgeons–Pakistan : JCPSP , Volume: 24 Issue: 6 2014 Jun

Authors Tariq TM

Effects of diet on gut microbiota profile and the implications for health and disease.

Bioscience of microbiota, food and health , Volume: 32 Issue: 1 2013

Authors Lee YK

[Second meal effect on appetite and fermentation of wholegrain rye foods.](#)**Appetite , Volume: 80 2014 Sep**

Authors Ibrügger S,Vigsnæs LK,Blennow A,Blooming E,Raben A,Lauritzen L,Kristensen M

[Efficacy of Papacarie\(®\) in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.](#)**Clinics (Sao Paulo, Brazil) , Volume: 69 Issue: 5 2014**

Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MF

[Korean ginseng modulates the ileal microbiota and mucin gene expression in the growing rat.](#)**Food & function , Volume: 5 Issue: 7 2014 Jul 25**

Authors Han KS,Balan P,Hong HD,Choi WI,Cho CW,Lee YC,Moughan PJ,Singh H

[Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.](#)**Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug**

Authors Barroso E, Van de Wiele T, Jiménez-Girón A, Muñoz-González I, Martín-Alvarez PJ, Moreno-Arribas MV, Bartolomé B, Peláez C, Martínez-Cuesta MC, Requena T

[Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.](#)**Food & function , Volume: 5 Issue: 6 2014 Jun**

Authors Qiao Y, Sun J, Xia S, Tang X, Shi Y, Le G

[454 pyrosequencing reveals changes in the faecal microbiota of adults consuming Lactobacillus casei Zhang.](#)**FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun**

Authors Zhang J, Wang L, Guo Z, Sun Z, Gesudu Q, Kwok L, Menghebilige, Zhang H

[Effects of Lactobacillus plantarum on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.](#)**Canadian journal of microbiology , Volume: 60 Issue: 4 2014 Apr**

Authors Shen X, Yi D, Ni X, Zeng D, Jing B, Lei M, Bian Z, Zeng Y, Li T, Xin J

[Changes chemopreventive markers in colorectal cancer development after inulin supplementation.](#)**Bratislavske lekarske listy , Volume: 115 Issue: 2 2014**

Authors Hájová E, Szabadosová V, Strojny L, Bomba A

[Effects of Clostridium butyricum on growth performance, immune function, and cecal microflora in broiler chickens challenged with Escherichia coli K88.](#)**Poultry science , Volume: 93 Issue: 1 2014 Jan**

Authors Zhang L, Cao GT, Zeng XF, Zhou L, Ferket PR, Xiao YP, Chen AG, Yang CM

[RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.](#)**Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr**

Authors Tannock GW, Lawley B, Munro K, Sims IM, Lee J, Butts CA, Roy N

[Multi-drug resistant gram-negative enteric bacteria isolated from flies at Chengdu Airport, China.](#)**The Southeast Asian journal of tropical medicine and public health , Volume: 44 Issue: 6 2013 Nov**

Authors Liu Y, Yang Y, Zhao F, Fan X, Zhong W, Qiao D, Cao Y

[Selective proliferation of intestinal Bacteroides under fucosyllactose supplementation in mice.](#)**The British journal of nutrition , Volume: 111 Issue: 9 2014 May**

Authors Weiss GA, Chassard C, Hennot T

[Lactobacillus paracasei subsp. paracasei LC01 positively modulates intestinal microflora in healthy young adults.](#)**Journal of microbiology (Seoul, Korea) , Volume: 51 Issue: 6 2013 Dec**

Authors Zhang H, Sun J, Liu X, Hong C, Zhu Y, Liu A, Li S, Guo H, Ren F

[In vitro activity of tigecycline and comparators against Gram-positive and Gram-negative isolates collected from the Middle East and Africa between 2004 and 2011.](#)**International journal of antimicrobial agents , Volume: 43 Issue: 2 2014 Feb**

Authors Kanj SS, Whitelaw A, Dowzicky MJ

[Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.](#)**Clinical nutrition (Edinburgh, Scotland) , Volume: 33 Issue: 6 2014 Dec**

Authors Majid HA, Cole J, Emery PW, Whelan K

[Effects of a probiotic, Enterococcus faecium, on growth performance, intestinal morphology, immune response, and cecal microflora in broiler chickens challenged with Escherichia coli K88.](#)**Poultry science , Volume: 92 Issue: 11 2013 Nov**

Authors Cao GT, Zeng XF, Chen AG, Zhou L, Zhang L, Xiao YP, Yang CM

[Probiotic features of two oral Lactobacillus isolates.](#)

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1
2012 Jan

Authors Zavisic G,Petricevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I

[Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.](#)

Glycobiology , Volume: 23 Issue: 11 2013 Nov

Authors Yu ZT,Chen C,Newburg DS

[Kiwifruit \(*Actinidia deliciosa*\) changes intestinal microbial profile.](#)

Microbial ecology in health and disease , Volume: 23 2012

Authors Lee YK,Low KY,Siah K,Drummond LM,Gwee KA

[Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.](#)

Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec

Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

[Effects of micronized okara dietary fiber on cecal microbiota, serum cholesterol and lipid levels in BALB/c mice.](#)

International journal of food sciences and nutrition , Volume: 64 Issue: 8 2013 Dec

Authors Li T,Zhong JZ,Wan J,Liu CM,Le BY,Liu W,Fu GM

[Lowbush wild blueberries have the potential to modify gut microbiota and xenobiotic metabolism in the rat colon.](#)

PloS one , Volume: 8 Issue: 6 2013

Authors Lacombe A,Li RW,Klimis-Zacas D,Kristo AS,Tadepalli S,Krauss E,Young R,Wu VC

[In vitro characterization of the impact of selected dietary fibers on fecal microbiota composition and short chain fatty acid production.](#)

Anaerobe , Volume: 23 2013 Oct

Authors Yang J,Martínez I,Walter J,Keshavarzian A,Rose DJ

[Effects of microencapsulated *Enterococcus faecalis* CG1.0007 on growth performance, antioxidation activity, and intestinal microbiota in broiler chickens.](#)

Journal of animal science , Volume: 91 Issue: 9 2013 Sep

Authors Han W,Zhang XL,Wang DW,Li LY,Liu GL,Li AK,Zhao YX

[Probiotic *Lactobacillus reuteri* attenuates the stressor-enhanced severity of *Citrobacter rodentium* infection.](#)

Infection and immunity , Volume: 81 Issue: 9 2013 Sep

Authors Mackos AR,Eubank TD,Parry NM,Bailey MT

[Associations between the human intestinal microbiota, *Lactobacillus rhamnosus* GG and serum lipids indicated by integrated analysis of high-throughput profiling data.](#)

PeerJ , Volume: 1 2013

Authors Lahti L,Salonen A,Kekkonen RA,Salojärvi J,Jalanka-Tuovinen J,Palva A,Orešić M,de Vos WM

[Effects of vanillin, quillaja saponin, and essential oils on in vitro fermentation and protein-degrading microorganisms of the rumen.](#)

Applied microbiology and biotechnology , Volume: 98 Issue: 2 2014 Jan

Authors Patra AK,Yu Z

[Antibacterial activity and mode of action of ferulic and gallic acids against pathogenic bacteria.](#)

Microbial drug resistance (Larchmont, N.Y.) , Volume: 19 Issue: 4 2013 Aug

Authors Borges A,Ferreira C,Saavedra MJ,Simões M

[Grain-rich diets differently alter ruminal and colonic abundance of microbial populations and lipopolysaccharide in goats.](#)

Anaerobe , Volume: 20 2013 Apr

Authors Metzler-Zebeli BU,Schmitz-Esser S,Klevenhusen F,Podstatzky-Lichtenstein L,Wagner M,Zebeli Q

[Comparative analysis of microbial profiles in cow rumen fed with different dietary fiber by tagged 16S rRNA gene pyrosequencing.](#)

Current microbiology , Volume: 67 Issue: 2 2013 Aug

Authors Thoetkiattikul H,Mhuantong W,Laothanachareon T,Tangphatsornruang S,Pattarajinda V,Eurwilaichitr L,Champrada V

[Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.](#)

FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun

Authors Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS

[The inhibitory effect of polyphenols on human gut microbiota.](#)

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 63 Issue: 5 2012 Oct

Authors Duda-Chodak A

[In vitro fermentation of commercial \$\alpha\$ -gluco-oligosaccharide by faecal microbiota from lean and obese human subjects.](#)

The British journal of nutrition , Volume: 109 Issue: 11 2013 Jun

Authors Sarbini SR,Kolida S,Gibson GR,Rastall RA

Effects of oat β -glucan and barley β -glucan on fecal characteristics, intestinal microflora, and intestinal bacterial metabolites in rats.

Journal of agricultural and food chemistry , Volume: 60 Issue: 45 2012 Nov 14

Authors Shen RL,Dang XY,Dong JL,Hu XZ

Gut microbiome composition is linked to whole grain-induced immunological improvements.

The ISME journal , Volume: 7 Issue: 2 2013 Feb

Authors Martínez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

Effects of cereal β -glucans and enzyme inclusion on the porcine gastrointestinal tract microbiota.

Anaerobe , Volume: 18 Issue: 6 2012 Dec

Authors Murphy P,Bello FD,O'Doherty JV,Arendt EK,Sweeney T,Coffey A

Effects of potato fiber and potato-resistant starch on biomarkers of colonic health in rats fed diets containing red meat.

Journal of food science , Volume: 77 Issue: 10 2012 Oct

Authors Paturi G,Nyanhanda T,Butts CA,Herath TD,Monro JA,Ansell J

Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.

Journal of dairy science , Volume: 95 Issue: 9 2012 Sep

Authors Wang S,Zhu H,Lu C,Kang Z,Luo Y,Feng L,Lu X

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

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 MJ,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 chito-oligosaccharides on human colonic bacteria.

Folia microbiologica , Volume: 57 Issue: 4 2012 Jul

Authors Simunek J,Brandysová V,Koppová I,Simunek J Jr

Early administration of probiotic *Lactobacillus acidophilus* and/or prebiotic inulin attenuates pathogen-mediated intestinal inflammation and Smad 7 cell signaling.

FEMS immunology and medical microbiology , Volume: 65 Issue: 3 2012 Aug

Authors Foye OT,Huang IF,Chiou CC,Walker WA,Shi HN

Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr

Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM

Changes in gut microbiota in children with atopic dermatitis administered the bacteria *Lactobacillus casei* DN-114001.

Polish journal of microbiology , Volume: 60 Issue: 4 2011

Authors Klewicka E,Cukrowska B,Libudzisz Z,Slizewska K,Motyl I

Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.

The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14

Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA

Grape antioxidant dietary fiber stimulates *Lactobacillus* growth in rat cecum.

Journal of food science , Volume: 77 Issue: 2 2012 Feb

Authors Pozuelo MJ,Agís-Torres A,Hervet-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I

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

Inhibition of growth of highly resistant bacterial and fungal pathogens by a natural product.**The open microbiology journal** , Volume: 5 2011

Authors Hafidh RR,Abdulmir AS,Vern LS,Abu Bakar F,Abas F,Jahanshiri F,Sekawi Z

In-vitro antimicrobial activity and synergistic/ antagonistic effect of interactions between antibiotics and some spice essential oils.**Journal of environmental biology** , Volume: 32 Issue: 1 2011 Jan

Authors Toroglu S

Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.**Journal of the science of food and agriculture** , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C

Inhibition of the cytotoxic effect of Clostridium difficile in vitro by Clostridium butyricum MIYAIRI 588 strain.**Journal of medical microbiology** , Volume: 60 Issue: Pt 11 2011 Nov

Authors Woo TDH,Oka K,Takahashi M,Hojo F,Osaki T,Hanawa T,Kurata S,Yonezawa H,Kamiya S

Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice.**PloS one** , Volume: 6 Issue: 6 2011

Authors Neyrinck AM,Possemiers S,Druart C,Van de Wiele T,De Backer F,Cani PD,Larondelle Y,Delzenne NM

Antimicrobial activity of plant essential oils against bacterial and fungal species involved in food poisoning and/or food decay.**Roumanian archives of microbiology and immunology** , Volume: 69 Issue: 4 2010 Oct-Dec

Authors Lixandru BE,Dracea NO,Dragomirescu CC,Dragulescu EC,Coldea IL,Anton L,Dobre E,Rovinaru C,Codita I

Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.**Pharmaceutical biology** , Volume: 49 Issue: 4 2011 Apr

Authors Özçelik B,Kartal M,Orhan I

Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.**Poultry science** , Volume: 90 Issue: 3 2011 Mar

Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A

Rhinoscleroma: an updated experience through the last 10 years.**Acta oto-laryngologica** , Volume: 131 Issue: 4 2011 Apr

Authors Gaafar HA,Gaafar AH,Nour YA

Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.**Molecules (Basel, Switzerland)** , Volume: 15 Issue: 11 2010 Oct 27

Authors Sokovic M,Glamoclija J,Marin PD,Brkic D,van Griensven LJ

The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote d'Ivoire.**The American journal of clinical nutrition** , Volume: 92 Issue: 6 2010 Dec

Authors Zimmermann MB,Chassard C,Rohner F,N'goran EK,Nindjin C,Dostal A,Uttinger J,Ghattas H,Lacroix C,Hurrell RF

Effect of β -glucanase and xylanase supplementation of barley- and rye-based diets on caecal microbiota of broiler chickens.**British poultry science** , Volume: 51 Issue: 4 2010 Aug

Authors Jozefiak D,Rutkowski A,Kaczmarek S,Jensen BB,Engberg RM,Højberg O

[Functional biostructure of colonic microbiota (central fermenting area, germinal stock area and separating mucus layer) in healthy subjects and patients with diarrhea treated with Saccharomyces boulardii].**Gastroenterologie clinique et biologique** , Volume: 34 Suppl 1 2010 Sep

Authors Swidsinski A,Loening-Baucke V,Kirsch S,Doerffel Y

Oral administration of Clostridium butyricum for modulating gastrointestinal microflora in mice.**Current microbiology** , Volume: 62 Issue: 2 2011 Feb

Authors Kong Q,He GQ,Jia JL,Zhu QL,Ruan H

Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.**Food microbiology** , Volume: 27 Issue: 7 2010 Oct

Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P

Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.**Journal of animal science** , Volume: 88 Issue: 9 2010 Sep

Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr

The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota.**International journal of food microbiology** , Volume: 140 Issue: 2-3 2010 Jun 15

Authors Bialonska D,Ramnani P,Kasimsetty SG,Muntha KR,Gibson GR,Ferreira D

Low levels of faecal lactobacilli in women with iron-deficiency anaemia in south India.

The British journal of nutrition , Volume: 104 Issue: 7 2010 Oct

Authors Balamurugan R,Mary RR,Chittaranjan S,Jancy H,Shobana Devi R,Ramakrishna BS

Consumption of human milk oligosaccharides by gut-related microbes.

Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12

Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA

Effect of apple intake on fecal microbiota and metabolites in humans.

Anaerobe , Volume: 16 Issue: 5 2010 Oct

Authors Shinohara K,Ohashi Y,Kawasumi K,Terada A,Fujisawa T

Probiotics have clinical, microbiologic, and immunologic efficacy in acute infectious diarrhea.

The Pediatric infectious disease journal , Volume: 29 Issue: 2 2010 Feb

Authors Chen CC,Kong MS,Lai MW,Chao HC,Chang KW,Chen SY,Huang YC,Chiu CH,Li WC,Lin PY,Chen CJ,Li TY

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

Lactobacillus delbrueckii ssp. bulgaricus B-30892 can inhibit cytotoxic effects and adhesion of pathogenic Clostridium difficile to Caco-2 cells.

Gut pathogens , Volume: 1 Issue: 1 2009 Apr 27

Authors Banerjee P,Merkel GJ,Bhunia AK

Splenda alters gut microflora and increases intestinal p-glycoprotein and cytochrome p-450 in male rats.

Journal of toxicology and environmental health. Part A , Volume: 71 Issue: 21 2008

Authors Abou-Donia MB,El-Masry EM,Abdel-Rahman AA,McLendon RE,Schiffman SS

Therapeutic potential of two probiotics in inflammatory bowel disease as observed in the trinitrobenzene sulfonic acid model of colitis.

Diseases of the colon and rectum , Volume: 51 Issue: 12 2008 Dec

Authors Amit-Romach E,Uni Z,Reifen R

Effect of thymol on microbial diversity in the porcine jejunum.

International journal of food microbiology , Volume: 126 Issue: 1-2 2008 Aug 15

Authors Janczyk P,Trevisi P,Souffrant WB,Bosi P

Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.

Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug

Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG

In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.

FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun

Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA

The antimicrobial efficacy of plant essential oil combinations and interactions with food ingredients.

International journal of food microbiology , Volume: 124 Issue: 1 2008 May 10

Authors Gutierrez J,Barry-Ryan C,Bourke P

Modifying effects of fermented brown rice on fecal microbiota in rats.

Anaerobe , Volume: 13 Issue: 5-6 2007 Oct-Dec

Authors Kataoka K,Kibe R,Kuwahara T,Hagiwara M,Arimochi H,Iwasaki T,Benno Y,Ohnishi Y

Whole-grain wheat breakfast cereal has a prebiotic effect on the human gut microbiota: a double-blind, placebo-controlled, crossover study.

The British journal of nutrition , Volume: 99 Issue: 1 2008 Jan

Authors Costabile A,Klinder A,Fava F,Napolitano A,Fogliano V,Leonard C,Gibson GR,Tuohy KM

Antimicrobial activity against gram negative bacilli from Yaounde Central Hospital, Cameroon.

African health sciences , Volume: 6 Issue: 4 2006 Dec

Authors Gangoue-Pieboji J,Koulla-Shiro S,Ngassam P,Adiogo D,Ndumbe P

Jerusalem artichoke and chicory inulin in bakery products affect faecal microbiota of healthy volunteers.

The British journal of nutrition , Volume: 98 Issue: 3 2007 Sep

Authors Kleessen B,Schwarz S,Boehm A,Fuhrmann H,Richter A,Henle T,Krueger M

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

Antagonistic activity of probiotic lactobacilli and bifidobacteria against entero- and uropathogens.

Journal of applied microbiology , Volume: 100 Issue: 6 2006 Jun

Authors Hütt P, Shchepetova J, Löivukene K, Kullisaar T, Mikelsaar M

Antimicrobial and antiplasmid activities of essential oils.

Fitoterapia , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z, Molnar J, Hohmann J

Red wine polyphenols influence carcinogenesis, intestinal microflora, oxidative damage and gene expression profiles of colonic mucosa in F344 rats.

Mutation research , Volume: 591 Issue: 1-2 2005 Dec 11

Authors Dolara P, Luceri C, De Filippo C, Femia AP, Giovannelli L, Caderni G, Cecchini C, Silvi S, Orpianesi C, Cresci A

Molecular and microbiological analysis of caecal microbiota in rats fed with diets supplemented either with prebiotics or probiotics.

International journal of food microbiology , Volume: 98 Issue: 3 2005 Feb 15

Authors Montesi A, García-Albiach R, Pozuelo MJ, Pintado C, Goñi I, Rotger R

Antibacterial activity of plants used in cooking for aroma and taste.

Journal of food protection , Volume: 67 Issue: 12 2004 Dec

Authors Hara-Kudo Y, Kobayashi IA, Sugita-Konishi Y, Kondo K

Microbiological effects of consuming a synbiotic containing Bifidobacterium bifidum, Bifidobacterium lactis, and oligofructose in elderly persons, determined by real-time polymerase chain reaction and counting of viable bacteria.

Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 40 Issue: 1 2005 Jan 1

Authors Bartosch S, Woodmansey EJ, Paterson JC, McMurdo ME, Macfarlane GT

Chemical compositions and antibacterial effects of essential oils of Turkish oregano (*Origanum minutiflorum*), bay laurel (*Laurus nobilis*), Spanish lavender (*Lavandula stoechas* L.), and fennel (*Foeniculum vulgare*) on common foodborne pathogens.

Journal of agricultural and food chemistry , Volume: 52 Issue: 26 2004 Dec 29

Authors Dadalioglu I, Evrendilek GA

Emerging resistance among bacterial pathogens in the intensive care unit—a European and North American Surveillance study (2000-2002).

Annals of clinical microbiology and antimicrobials , Volume: 3 2004 Jul 29

Authors Jones ME, Draghi DC, Thornsberry C, Karlowsky JA, Sahm DF, Wenzel RP

Contribution of acetate to butyrate formation by human faecal bacteria.

The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun

Authors Duncan SH, Holtrop G, Lobley GE, Calder AG, Stewart CS, Flint HJ

Antimicrobial susceptibility of the pathogens of bacteraemia in the UK and Ireland 2001-2002: the BSAC Bacteraemia Resistance Surveillance Programme.

The Journal of antimicrobial chemotherapy , Volume: 53 Issue: 6 2004 Jun

Authors Reynolds R, Potz N, Colman M, Williams A, Livermore D, MacGowan A, BSAC Extended Working Party on Bacteraemia Resistance Surveillance.

Glycolytic breakdown of sulfoquinovose in bacteria: a missing link in the sulfur cycle.

Applied and environmental microbiology , Volume: 69 Issue: 11 2003 Nov

Authors Roy AB, Hewlins MJ, Ellis AJ, Harwood JL, White GF

Argentinean collaborative multicenter study on the in vitro comparative activity of piperacillin-tazobactam against selected bacterial isolates recovered from hospitalized patients.

Diagnostic microbiology and infectious disease , Volume: 47 Issue: 3 2003 Nov

Authors Casellas JM, Tomé G, Bantar C, Bertolini P, Blázquez N, Borda N, Couto E, Cudmani N, Guerrera J, Juárez MJ, López T, Littvik A, Méndez E, Notario R, Ponce G, Quinteros M, Salamone F, Sparo M, Sutich E, Vaylet S, Wolff L

Trends in antimicrobial susceptibilities among Enterobacteriaceae isolated from hospitalized patients in the United States from 1998 to 2001.

Antimicrobial agents and chemotherapy , Volume: 47 Issue: 5 2003 May

Authors Karlowsky JA, Jones ME, Thornsberry C, Friedland IR, Sahm DF

Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.

The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec

Authors Dongowski G, Huth M, Gebhardt E, Flamme W

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

Inhibition of listeriolysin O and phosphatidylcholine-specific production in *Listeria monocytogenes* by subinhibitory concentrations of plant essential oils.

Journal of medical microbiology , Volume: 51 Issue: 7 2002 Jul

Authors Smith-Palmer A, Stewart J, Fyfe L

Aberrant composition of gut microbiota of allergic infants: a target of bifidobacterial therapy at weaning?

Gut , Volume: 51 Issue: 1 2002 Jul

Authors Kirjavainen PV, Arvola T, Salminen SJ, Isolauri E

Evaluation of N-acetylchitooligosaccharides as the main carbon sources for the growth of intestinal bacteria.

FEMS microbiology letters , Volume: 209 Issue: 1 2002 Mar 19

Authors Chen HC, Chang CC, Mau WJ, Yen LS

Prebiotic treatment of experimental colitis with germinated barley foodstuff: a comparison with probiotic or antibiotic treatment.

International journal of molecular medicine , Volume: 9 Issue: 1 2002 Jan

Authors Fukuda M, Kanauchi O, Araki Y, Andoh A, Mitsuyama K, Takagi K, Toyonaga A, Sata M, Fujiyama Y, Fukuoka M, Matsumoto Y, Bomba 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

Probiotic activities of *Lactobacillus casei rhamnosus*: in vitro adherence to intestinal cells and antimicrobial properties.

Research in microbiology , Volume: 152 Issue: 2 2001 Mar

Authors Forestier C, De Champs C, Vatoux C, Joly B

Probiotics in foods not containing milk or milk constituents, with special reference to *Lactobacillus plantarum* 299v.

The American journal of clinical nutrition , Volume: 73 Issue: 2 Suppl 2001 Feb

Authors Molin G

Evaluation of the in vitro activity of 9 antimicrobials against bacterial strains isolated from patients in intensive care units in brazil: MYSTIC Antimicrobial Surveillance Program.

The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 4 Issue: 5 2000 Oct

Authors Mendes C, Hsiung A, Kiffer C, Oplustil C, Sinto S, Mimica I, Zoccoli C, Mystic Study Group.

[Sensitivity to antibiotics of bacteria from nosocomial infections. Evolution in resuscitation services of military hospitals].

Presse medicale (Paris, France : 1983) , Volume: 29 Issue: 27 2000 Sep 23

Authors Garrabé E, Cavallo JD, Brisou P, Chapalain JC, Coué JC, Courrier P, Granic G, Hervé V, Koeck JL, Morillon M, Claude JD, Roubey Y, Teyssou R

Antimicrobial activity of essential oils and other plant extracts.

Journal of applied microbiology , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA, Carson CF, Riley TV

Changes in fecal microflora induced by intubation of mice with *Bacillus subtilis* (natto) spores are dependent upon dietary components.

Canadian journal of microbiology , Volume: 45 Issue: 1 1999 Jan

Authors Hosoi T, Ametani A, Kiuchi K, Kaminogawa S

[Antagonistic interaction between *Clostridium butyricum* and enterohemorrhagic *Escherichia coli* O157:H7].

Kansenshogaku zasshi. The Journal of the Japanese Association for Infectious Diseases , Volume: 73 Issue: 1 1999 Jan

Authors Takahashi M, Taguchi H, Yamaguchi H, Osaki T, Sakazaki R, Kamiya S

Does probiotics administration decrease serum endotoxin levels in infants?

Journal of pediatric surgery , Volume: 34 Issue: 2 1999 Feb

Authors Urao M, Fujimoto T, Lane GJ, Seo G, Miyano T

The effect of consumption of milk fermented by *Lactobacillus casei* strain Shirota on the intestinal microflora and immune parameters in humans.

European journal of clinical nutrition , Volume: 52 Issue: 12 1998 Dec

Authors Spanhaak S,Havenaar R,Schaafsma G

Antibiotic susceptibility of potentially probiotic Lactobacillus species.

Journal of food protection , Volume: 61 Issue: 12 1998 Dec

Authors Charteris WP,Kelly PM,Morelli L,Collins JK

Microbiological examinations and in-vitro testing of different antibiotics in therapeutic endoscopy of the biliary system.

Endoscopy , Volume: 30 Issue: 8 1998 Oct

Authors Lorenz R,Herrmann M,Kassem AM,Lehn N,Neuhaus H,Classen M

Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.

Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct

Authors Sghir A,Chow JM,Mackie RI

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

[Susceptibilities of bacteria isolated from patients with lower respiratory infectious diseases to antibiotics (1996)].

The Japanese journal of antibiotics , Volume: 51 Issue: 7 1998 Jul

Authors Ikemoto H,Watanabe K,Mori T,Igari J,Oguri T,Shimizu Y,Terao T,Inoue H,Nakadate T,Ito C,Yoshida T,Ohno I,Tanno Y,Arakawa M,Igarashi K,Okada M,Ozaki K,Aoki N,Kitamura N,Sekine O,Suzuki Y,Nakata K,Nakatani T,Inagawa H,Kusano N

Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.

The American journal of clinical nutrition , Volume: 65 Issue: 5 1997 May

Authors Kleessen B,Sykura B,Zunft HJ,Blaut M

In vitro evaluation of activities of nitazoxanide and tizoxanide against anaerobes and aerobic organisms.

Antimicrobial agents and chemotherapy , Volume: 40 Issue: 10 1996 Oct

Authors Dubreuil L,Houcke I,Mouton Y,Rossignol JF

Purification and characterization of a component produced by Lactobacillus fermentum that inhibits the adhesion of K88 expressing Escherichia coli to porcine ileal mucus.

The Journal of applied bacteriology , Volume: 80 Issue: 3 1996 Mar

Authors Ouwehand AC,Conway PL

Antimicrobial and antioxidant activities of unripe papaya.

Life sciences , Volume: 53 Issue: 17 1993

Authors Osato JA,Santiago LA,Remo GM,Cuadra MS,Mori A

[A nationwide survey of antimicrobial susceptibilities of clinical isolates to antibiotics in Japan (1988-1990)].

The Japanese journal of antibiotics , Volume: 46 Issue: 6 1993 Jun

Authors Igari J

In vitro antimicrobial activity of fluoroquinolones against clinical isolates obtained in 1989 and 1990.

Journal of the Formosan Medical Association = Taiwan yi zhi , Volume: 92 Issue: 12 1993 Dec

Authors Chen YC,Chang SC,Hsu LY,Hsieh WC,Luh KT

The effect of a probiotic on faecal and liver lipid classes in rats.

The British journal of nutrition , Volume: 73 Issue: 5 1995 May

Authors Fukushima M,Nakano M

Comparative activities of the oxa-beta-lactam LY127935, cefotaxime, cefoperazone, cefamandole, and ticarcillin against multiply resistant gram-negative bacilli.

Antimicrobial agents and chemotherapy , Volume: 17 Issue: 2 1980 Feb

Authors Hall WH,Opfer BJ,Gerding DN

Prevention of Clostridium difficile induced mortality in gnotobiotic mice by Saccharomyces boulardii.

Canadian journal of microbiology , Volume: 32 Issue: 11 1986 Nov

Authors Corthier G,Dubos F,Ducluzeau R

Suppression by Saccharomyces boulardii of toxigenic Clostridium difficile overgrowth after vancomycin treatment in hamsters.

Antimicrobial agents and chemotherapy , Volume: 31 Issue: 1 1987 Jan

Authors Elmer GW,McFarland LV

Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.

The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar

Authors Slade AP,Wyatt GM,Bayliss CE,Waites WM

Treatment of recurrent Clostridium difficile colitis with vancomycin and Saccharomyces boulardii.

The American journal of gastroenterology , Volume: 84 Issue: 10 1989 Oct

Authors Surawicz CM,McFarland LV,Elmer G,Chinn J

Prevention of further recurrences of Clostridium difficile colitis with Saccharomyces boulardii.

Digestive diseases and sciences , Volume: 35 Issue: 7 1990 Jul

Authors Kimmey MB,Elmer GW,Surawicz CM,McFarland LV

Prevention of Clostridium difficile-induced experimental pseudomembranous colitis by Saccharomyces boulardii: a scanning electron microscopic and microbiological study.

Journal of general microbiology , Volume: 136 Issue: 6 1990 Jun

Authors Castex F,Corthier G,Jouvert S,Elmer GW,Lucas F,Bastide M

[Antimicrobial activity of ornidazole and 6 other antibiotics against anaerobic bacteria].

Enfermedades infecciosas y microbiología clínica , Volume: 9 Issue: 4 1991 Apr

Authors Alados JC,Martínez-Brocal A,Miranda C,Rojo MD,García V,Domínguez MC,de la Rosa M

[Antibacterial activity of sisomicin in comparison with gentamicin].

Arzneimittel-Forschung , Volume: 26 Issue: 5 1976

Authors Scheer M

Additional sources and private correspondance

Private Correspondance , Volume: 1 Issue: 2018

Effects of probiotic Enterococcus faecium NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing

Animal Feed Science and Technology , Volume: 201 2015 Mar

Authors Edward Alain B.Pajarillo,Dae-Kyung Kang,Chan-Soo Park,Hyeun Bum Kim,Marilen P Balolong

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

[Research cited on Manufacture Website].

Research cited on Manufacture Website , Volume: 0 Issue: 0 2018 Jan

Authors Miyarisan Labs

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1

Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Biofilm

Bipolar Disorder

Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
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

