

Microbiome Information for: erectile dysfunction

For non-prescribing Medical professionals Review

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

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

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

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

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

In the USA

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

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of erectile dysfunction

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
Erysipelotrichaceae	family	High	128827
Lachnospiraceae	family	High	186803
Oscillospiraceae	family	Low	216572
Ruminococcaceae	family	Low	541000
Actinomyces	genus	High	1654
Alistipes	genus	Low	239759
Bacteroides	genus	High	816
Bifidobacterium	genus	Low	1678
Clostridium	genus	High	1485

Bacteria Name	Rank	Shift	Taxonomy ID
Escherichia	genus	High	561
Fusobacterium	genus	High	848
Lachnoclostridium	genus	High	1506553
Lactococcus	genus	Low	1357
Oscillibacter	genus	High	459786
Senegalimassilia	genus	High	1473205
Shigella	genus	High	620
Tyzzereila	genus	High	1506577
Helicobacter pylori	species	High	210
Streptococcus anginosus	species	High	1328

Substance to Consider Adding or Taking

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

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

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine} 1.5 gram/day
 α-Amino-3-indolepropionic acid {Tryptophan} 3 gram/day
 Abstention from eating {Fasting}
 alpha-tocopherol {Vitamin E} 60 IU/day
 Brassica oleracea var. italica {Broccoli}
 cholic,taurocholic ,chenodeoxycholic,glycocholic acids {Bile supplements}
 Ferrum {Iron Supplements} 400 mg/day
 Hericium erinaceus {Lion's Mane Mushroom }
 Hordeum vulgare {Barley} 60 gram/day
 Humulus lupulus compound {Xanthohumol}
 Lactobacillus rhamnosus {L. rhamnosus} 48 BCFU/day
 Limosilactobacillus reuteri {L. Reuteri} 22 BCFU/day
 long-term, moderate-intensity exercise {exercise}

Moringa Oleifera
 N-[2-(5-methoxy-1H-indol-3-yl)ethyl]acetamide {Melatonin} 10 mg/day
 Outer Layers of Triticum aestivum {Wheat Bran}
 Panax ... {Ginseng} 2000 mg/day
 pectin {pectin}
 Pentahydroxypentane {Xylitol}
 Poly[β-D-xylopyranose(1->4)] {Xylan}
 Rheum × hybridum {Rhubarb}
 Salvia hispanica {Chia Seeds}
 Sleep apnea {partial sleep deprivation}
 Sodium alginate 3000 mg/day
 β-glucan {Beta-Glucan} 500 mg/day
 walnuts 75 gram/day
 wheat

Retail Probiotics

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

optibac / for women
 jarow formulas / fem-dophilus®
 RepHresh / Pro-B Probiotic Supplement for Women
 spain (es) / aquilea intimus
 Ombre / Restore
 jarow formulas / fem dophilus
 JGL / Lactogyn
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
 blackmore (au) / probiotics+ womens flora balance
 SuperSmart / Oral Health
 SuperSmart / Lactobacillus reuteri
 Microbiome Plus+™ Gastrointestinal
 Bulk Probiotics / L. Rhamnosus Probiotic Powder
 spain (es) / casenbiotic
 Bromatech (IT) / Serobiome
 spain (es) / reuteri gotas
 BioGaia / BioGaia Products
 Metabolics / Lactobacillus Rhamnosus Powder
 spain (es) / gastrus
 custom probiotics / d-lactate free probiotics powder
 CustomProbiotics.com / L. Rhamnosus Probiotic Powder
 blackmore (au) / probiotics+ eczema relief
 Microbiome Labs / MEGA Genesis
 jarow formulas / jarro-dophilus mood
 CustomProbiotics.com / L. Reuteri Probiotic Powder
 spain (es) / ns florabiotic instant
 SuperSmart / H. Pylori Fight
 BioGaia / BioGaia Osfortis
 naturopathica (au)/ gastrohealth probiotic daily care
 Bulk Probiotics / L. Reuteri Probiotic Powder
 Maple Life Science™ / Lactobacillus reuteri
 spain (es) / gum periobalance
 Bromatech (IT) / Rotanelle plus
 spain (es) / muvagyn probiotico
 Pregnancy Care Probiotic
 Botica Alternativa / Lactobacilos Reuteri
 ProGoes® Forte

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

Substance to Consider Reducing or Eliminating

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

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

Avena sativa {Oats}	lactobacillus rhamnosus gg,bifidobacterium animalis lactis
bacillus subtilis {B.Subtilis }	,lactobacillus paracasei {cvs maximum strength probiotic}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Metha family {Mint}
Bifidobacterium animalis subsp. lactis {B. Lactis}	Morinda citrifolia {Noni}
bifidobacterium bifidum {B. bifidum}	origanum vulgare {oregano}
Bovine Milk Products {Dairy}	Pleurotus ostreatus {Oyster mushroom}
Cichorium intybus {Chicory}	polyphenols
colostrum	Probiotic Mixture 1 {Japanese Vet Probiotic}
Echinacea Moench {Echinacea}	Probiotic Mixture 2 {Vetafarm Probotic}
enterococcus faecium {E. faecium}	red wine
Epicatechin {Green tea polyphenol}	resveratrol-pterostilbene {grapes, blueberries}
Escherichia coli Nissle 1917 {Mutaflor}	resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}
grapes	Saccharomyces cerevisiae var boulardii {S. boulardii}
green tea	Secale cereale {Rye}
Lactaseibacillus paracasei shirota {Yakult}	soy
lactobacillus acidophilus {L. acidophilus}	synthetic disaccharide derivative of lactose {Lactulose}
Lactobacillus Johnsonii {Lactobacillus Johnsonii}	terpenophenolics {cannabinoids}
lactobacillus paracasei,lactobacillus acidophilus,bifidobacterium	Thymus vulgaris {thyme}
animalis	yogurt
Lactobacillus plantarum {L. plantarum}	Zingiber officinale Roscoe {ginger}
	β-lactoglobulin {Whey}

Sample of Literature Used

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

The Management of Inflatable Penile Prosthesis Erosion and Infection following Iatrogenic Aspiration.

Case reports in urology , Volume: 2024 2024

Authors Baydoun A,Benben A,Skalak M,Bilbrew J,Abdelhady M

The Association between the Gut Microbiota and Erectile Dysfunction.

The world journal of men's health , Volume: 42 Issue: 4 2024 Oct

Authors Zhu T,Liu X,Yang P,Ma Y,Gao P,Gao J,Jiang H,Zhang X

Causal effects of gut microbiota on the risk of erectile dysfunction: a Mendelian randomization study.

International journal of impotence research , Volume: 36 Issue: 8 2024 Dec

Authors Xu R,Liu S,Li LY,Zhang Y,Fang BQ,Luo GC,Wang XJ

Gut microbiota composition may be an indicator of erectile dysfunction.

Microbial biotechnology , Volume: 17 Issue: 1 2024 Jan

Authors Qiao Y,Chen J,Jiang Y,Zhang Z,Wang H,Liu T,Yang Z,Fu G,Chen Y

Specific gut microbiota may increase the risk of erectile dysfunction: a two-sample Mendelian randomization study.

Frontiers in endocrinology , Volume: 14 2023

Authors Su Q,Long Y,Luo Y,Jiang T,Zheng L,Wang K,Tang Q

Causal effects of gut microbiota on erectile dysfunction: a two-sample Mendelian randomization study.

Frontiers in microbiology , Volume: 14 2023

Authors Zhang Y,Chen Y,Mei Y,Xu R,Zhang H,Feng X

Genetically proxied intestinal microbiota and risk of erectile dysfunction.

Andrology , Volume: 12 Issue: 4 2024 May

Authors Zhang F,Xiong Y,Zhang Y,Wu K,Zhang B

Characteristics of Gut Microbiota in Patients with Erectile Dysfunction: A Chinese Pilot Study.

The world journal of men's health , Volume: 42 Issue: 2 2024 Apr

Authors Kang J,Wang Q,Wang S,Pan Y,Niu S,Li X,Liu L,Liu X

Relationship between erectile dysfunction and Helicobacter pylori: A prospective controlled pilot study.

Andrologia , Volume: 54 Issue: 7 2022 Aug

Authors Yagmur I,Demir M,Çiftçi H,Yildiz Zeyrek F,Yeni E,Verit A

The association between gut microbiome and erectile dysfunction: a community-based cross-sectional study in Japan.

International urology and nephrology , Volume: 52 Issue: 8 2020 Aug

Authors Okamoto T,Hatakeyama S,Imai A,Yamamoto H,Yoneyama T,Mori K,Yoneyama T,Hashimoto Y,Nakaji S,Ohshima C

Cavernosal Abscess due to Streptococcus Anginosus: A Case Report and Comprehensive Review of the Literature.

Current urology , Volume: 7 Issue: 1 2013 Aug

Authors Dugdale CM,Tompkins AJ,Reece RM,Gardner AF

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

Maternal tryptophan supplementation enhances sow reproductive performance by influencing hormones, tryptophan metabolism and gut microbiome.

The Journal of nutrition , 2025 May 5

Authors Zhu Z,Xue B,Li H,Wang X,Li Y,Huang J,Cai S,Zeng X,Chen M,Zhang S,Chen F,Cai C,Zeng X

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

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

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

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

Structural characterization of β -glucan in Hericium erinaceus pretreated by steam explosion and its effects on human gut microbiota in vitro.

Food chemistry , Volume: 482 2025 Apr 4

Authors Chen S,Ling B,Liu X,Liu L,Feng J,Zhang J,Yang Y,Wu D,Guo Q,Liu Y

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

Oat β -glucan prevents high fat diet induced obesity by targeting ileal Farnesoid X receptor-fibroblast growth factor 15 signaling.

International journal of biological macromolecules , Volume: 306 Issue: Pt 3 2025 Feb 26

Authors Huang K,Hong C,Huang Y,Liu Y,Yu Z,Li S,Guan X,Zhao W

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

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

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

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

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

Food & function , 2025 Feb 25

Authors Cortijo-Alfonso ME,Laghuaouta 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

Cooked Broccoli Alters Cecal Microbiota and Impacts Microbial Metabolism of Glucoraphanin in Lean and Obese Mice.

Molecular nutrition & food research , 2025 Feb 17

Authors Zhao A,Li J,Peterson M,Black M,Gaulke CA,Jeffery EH,Miller MJ

Isolated White Lupin Proteins Beneficially Modulate the Intestinal Microbiota Composition in Rats.

Nutrients , Volume: 17 Issue: 3 2025 Jan 31

Authors Rubio LA,Chiesa G

Oat Beta-Glucans Modulate the Gut Microbiome, Barrier Function, and Immune Responses in an In Vivo Model of Early-Stage Colorectal Cancer.

International journal of molecular sciences , Volume: 25 Issue: 24 2024 Dec 19

Authors Guzowska M,Dziendzikowska K,Kopiasz L,Gajewska M,Wilczak J,Harasym J,Czerwinska M,Gromadzka-Ostrowska J

E. coli Nissle 1917 improves gut microbiota composition and serum metabolites to counteract atherosclerosis via the homocitrulline/Caspase 1/NLRP3/GSDMD axis.

International journal of medical microbiology : IJMM , Volume: 318 2025 Mar

Authors Liu H,Ma X,Yang X,Xiao S,Ouyang S,Hu Z,Zhou Z,Jiang Z

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

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

Frontiers in veterinary science , Volume: 11 2024

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

Amelioration of inflammatory bowel disease by *Bifidobacterium animalis* subsp. *lactis* XLTG11 in combination with mesalazine.

Frontiers in microbiology , Volume: 15 2024

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

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

Nutrients , Volume: 16 Issue: 23 2024 Nov 30

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

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

Nutrients , Volume: 16 Issue: 23 2024 Nov 29

Authors Thongwong P,Wattanathorn J,Thukham-Mee W

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

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

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

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

Food chemistry , Volume: 468 2025 Mar 15

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

Effect of melatonin on gut microbiome and metabolomics in diabetic cognitive impairment.

Frontiers in pharmacology , Volume: 15 2024

Authors Gao M,Li J,Han X,Zhang B,Chen J,Lang J,Zhang Q

Lactobacillus johnsonii GLJ001 prevents DSS-induced colitis in mice by inhibiting M1 macrophage polarization via gut microbiota-SCFAs axis.

International immunopharmacology , Volume: 144 2025 Jan 10

Authors Cai Y,Huang Y,Wang Y,Lin C,Qiu L,Wei 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

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

Metabolomics reveals changes in levels of fecal branched chain amino acids and organic acids in very preterm infants fed human milk fortified with bovine colostrum.

Clinical nutrition (Edinburgh, Scotland) , Volume: 43 Issue: 12 2024 Dec

Authors Ye Y,Yang L,Jiang PP,Sangild PT,Hui Y,Nielsen DS,Kappel SS,Aunsholt L,Zachariassen G,Bering SB,Khakimov 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

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

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

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

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

Combining vitamin E metabolite 13'-carboxychromanol and a lactic acid bacterium synergistically mitigates colitis and colitis-associated dysbiosis in mice.

Free radical biology & medicine , 2024 Nov 13

Authors Zhao Y,Simpson A,Nakatsu C,Cross TW,Jones-Hall Y,Jiang Q

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,Lambooi JM,Visentin C,Guigas B,Ducarmon QR,Rensen PCN,Schönke M

Associations of alcohol intake with gut microbiome: a prospective study in a predominantly low-income Black/African American population.

The American journal of clinical nutrition , 2024 Nov 11

Authors Liu L,Nguyen SM,Wang L,Shi J,Long J,Cai Q,Shrubsole MJ,Shu XO,Zheng W,Yu D

Modulation of gut microbiome in response to the combination of Escherichia coli Nissle 1917 and sugars: a pilot study using host-free system reflecting impact on interpersonal microbiome.

Frontiers in nutrition , Volume: 11 2024

Authors Heer K,Kaur M,Sidhu D,Dey P,Raychaudhuri S

Effects of Lactobacillus spp. on Helicobacter pylori: A Promising Frontier in the Era of Antibiotic Resistance.

Probiotics and antimicrobial proteins , 2024 Nov 5

Authors Dash D,Mishra V,Panda MK,Pathak SK

Integrated Small Intestine Microbiota and Serum Metabolomics Reveal the Potential Mechanisms of Wine Steaming in Alleviating Rhubarb-Induced Diarrhea.

Journal of inflammation research , Volume: 17 2024

Authors Bai YY,Tian R,Qian Y,Zhang Q,Zhao CB,Yan YG,Zhang L,Yue SJ,Tang YP

[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

[Effects of Different Levels of Green Tea Powder on Performance, Antioxidant Activity, Egg Mass, Quality, and Cecal Microflora of Chickens.](#)

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

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

[Wheat bran oil ameliorates high-fat diet-induced obesity in rats with alterations in gut microbiota and liver metabolite profile.](#)

Nutrition & metabolism , Volume: 21 Issue: 1 2024 Oct 25

Authors Yan H,Kuerbanjiang M,Muheyati D,Yang Z,Han J

[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

[Impact of Long-term Fasting on Breath Volatile Sulphur Compounds, Inflammatory Markers and Saliva Microbiota Composition.](#)

Oral health & preventive dentistry , Volume: 22 2024 Oct 24

Authors Loumé A,Grundler F,Wilhelmi de Toledo F,Giannopoulou C,Mesnager R

[Analysis of the fermentation kinetics and gut microbiota modulatory effect of dried chicory root reveals the impact of the plant-cell matrix rationalizing its conversion in the distal colon.](#)

Microbiome research reports , Volume: 3 Issue: 3 2024

Authors Puhlmann ML,van de Rakt E,Kerezoudi EN,Rangel I,Brummer RJ,Smidt H,Kaper FS,de Vos WM

[Oral delivery of electrohydrodynamically encapsulated *Lactiplantibacillus plantarum* CRD7 modulates gut health, antioxidant activity, and cytokines-related inflammation and immunity in mice.](#)

Food & function , 2024 Oct 11

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

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

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

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

[Garlic Bioconverted by *Bacillus subtilis* Stimulates the Intestinal Immune System and Modulates Gut Microbiota Composition.](#)

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

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

[Combination of *Lactiplantibacillus Plantarum* ELF051 and *Astragalus* Polysaccharides Improves Intestinal Barrier Function and Gut Microbiota Profiles in Mice with Antibiotic-Associated Diarrhea.](#)

Probiotics and antimicrobial proteins , 2024 Oct 1

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

[Berberine alleviates ETEC-induced intestinal inflammation and oxidative stress damage by optimizing intestinal microbial composition in a weaned piglet model.](#)

Frontiers in immunology , Volume: 15 2024

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

[Barley \$\beta\$ -glucan consumption improves glucose tolerance by increasing intestinal succinate concentrations.](#)

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

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

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

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

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

[Effect of Purified Resveratrol Butyrate Ester Monomers against Hypertension after Maternal High-Fructose Intake in Adult](#)

Offspring**Nutrients** , Volume: 16 Issue: 18 2024 Sep 17

Authors Tain YL,Hou CY,Tzeng HT,Lin SF,Chang-Chien GP, Lee WC,Wu KLH,Yu HR,Chan JYH,Hsu CN

Substitutive Effects of Milk vs. Vegetable Milk on the Human Gut Microbiota and Implications for Human Health.**Nutrients** , Volume: 16 Issue: 18 2024 Sep 14

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

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

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

Evaluation of efficacy and safety of Lactocaseibacillus rhamnosus LRa05 in the eradication of Helicobacter pylori: a randomized, double-blind, placebo-controlled trial.**Frontiers in immunology** , Volume: 15 2024

Authors Niu Y,Li J,Qian H,Liang C,Shi X,Bu S

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

Effects of Mint Oils on the Human Oral Microbiome: A Pilot Study.**Microorganisms** , Volume: 12 Issue: 8 2024 Jul 27

Authors Abdelrahman SM,El Samak M,El-Baz LMF,Hanora AMS,Satyral P,Dosoky NS

Effects of Moringa oleifera Leaf Powder on the Growth Performance, Meat Quality, Blood Parameters, and Cecal Bacteria of Broilers.**Veterinary sciences** , Volume: 11 Issue: 8 2024 Aug 14

Authors Akib MG,Rifat A,Bormon C,Dutta A,Ataher MS,Azzam M,Farouk MH,Das R,Azad MAK,Mahfuz S

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

Examination of sex-specific interactions between gut microbiota and host metabolism after 12-week combined polyphenol supplementation in individuals with overweight or obesity.**Gut microbes** , Volume: 16 Issue: 1 2024 Jan-Dec

Authors Jardon KM,Goossens GH,Most J,Galazzo G,Venema K,Penders J,Blaak EE

Effect of digested chia seed protein on the gut microbiota and colon morphology of mice fed a high-saturated-fat diet.**Food & function** , Volume: 15 Issue: 18 2024 Sep 16

Authors Grancieri M,de São José VPB,Toledo RCL,Verediano TA,Sant'Ana C,Lúcio HG,Gonzalez de Mejia E,Martino HSD

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

Gut microbiota modulatory capacity of fermented ketchup in a validated in vitro model of the colon.**Food research international (Ottawa, Ont.)** , Volume: 192 2024 Sep

Authors Küçükgöz K,Venema K,Trzaskowska M

Dietary Polycan, a β -glucan originating from Aureobasidium pullulans SM-2001, attenuates high-fat-diet-induced intestinal barrier damage in obese mice by modulating gut microbiota dysbiosis.**Food science & nutrition** , Volume: 12 Issue: 8 2024 Aug

Authors Ko GP,Unno T,Kim YS,Kim J

Probio-M9, a breast milk-originated probiotic, alleviates mastitis and enhances antibiotic efficacy: Insights into the gut-mammary axis.**iMeta** , Volume: 3 Issue: 4 2024 Aug

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

Dietary bile acids supplementation decreases hepatic fat deposition with the involvement of altered gut microbiota and liver bile acids profile in broiler chickens.

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

Authors Wang M,Li K,Jiao H,Zhao J,Li H,Zhou Y,Cao A,Wang J,Wang X,Lin H

Moringa leaf meal exerts growth benefits in small ruminants through modulating the gastrointestinal microbiome.

Applied microbiology and biotechnology , Volume: 108 Issue: 1 2024 Aug 12

Authors Nehra C,Harshini V,Shukla N,Chavda P,Savaliya K,Patil S,Shah T,Pandit R,Patil NV,Patel AK,Kachhawaha S,Kumawat RN,Joshi M,Joshi CG

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

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

Heliyon , Volume: 10 Issue: 14 2024 Jul 30

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

Effects of bacteriocin-producing *Lactiplantibacillus plantarum* on bacterial community and fermentation profile of whole-plant corn silage and its in vitro ruminal fermentation, microbiota, and CH₄ emissions.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Aug 7

Authors Li Z,Usman S,Zhang J,Zhang Y,Su R,Chen H,Li Q,Jia M,Amole TA,Guo X

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

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

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

PloS one , Volume: 19 Issue: 7 2024

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

Effects of dietary supplementation of *Enterococcus faecium* postbiotics on growth performance and intestinal health of growing male mink.

Frontiers in veterinary science , Volume: 11 2024

Authors Cao L,Sun F,Ren Q,Jiang Z,Chen J,Li Y,Wang L

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

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

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

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

Bifidobacterium bifidum alleviates adenine-induced acute kidney injury in mice by improving intestinal barrier function.

Food & function , Volume: 15 Issue: 15 2024 Jul 29

Authors Meng Y,Zhao M,Ma Q,Hua Q,Hu J,Zhou Q,Yi H,Zhang Z,Zhang L

Indole-3-Lactic Acid Derived from Lactacaseibacillus paracasei Inhibits Helicobacter pylori Infection via Destruction of Bacteria Cells, Protection of Gastric Mucosa Epithelial Cells, and Alleviation of Inflammation.

Journal of agricultural and food chemistry , Volume: 72 Issue: 28 2024 Jul 17

Authors Yao M,Cao J,Zhang L,Wang K,Lin H,Qin L,Zhang Q,Qu C,Miao J,Xue C

Synbiotic therapy with Clostridium sporogenes and xylan promotes gut-derived indole-3-propionic acid and improves cognitive impairments in an Alzheimer's disease mouse model.

Food & function , 2024 Jul 5

Authors Li L,Yang C,Jia M,Wang Y,Zhao Y,Li Q,Gong J,He Y,Xu K,Liu X,Chen X,Hu J,Liu Z

Resveratrol Alleviates Liver Fibrosis Induced by Long-Term Inorganic Mercury Exposure through Activating the Sirt1/PGC-1 α Signaling Pathway.

Journal of agricultural and food chemistry , Volume: 72 Issue: 28 2024 Jul 17

Authors Li S,Han B,Li J,Lv Z,Jiang H,Liu Y,Yang X,Lu J,Zhang 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

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

Investigating the Impact of Pineapple-Whey Protein Fermentation Products on Cefixime-Induced Intestinal Flora Dysbiosis in Mice Using 16S Sequencing and Untargeted Metabolomics Techniques.

Foods (Basel, Switzerland) , Volume: 13 Issue: 12 2024 Jun 19

Authors Luo J,Xiao S,Ma D,Xiang J,Wang B,Cai Y,Wang J

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

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

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

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

Journal of ethnopharmacology , Volume: 333 2024 Jun 21

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

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

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

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

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

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

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

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

Saccharomyces boulardii combined with triple therapy alter the microbiota in the eradication of Helicobacter pylori infection.

Scientific reports , Volume: 14 Issue: 1 2024 Jun 7

Authors Zhang Y,Lu B,Dong Y,Zhang Y,Du Q,Chen Y,Zhang Z

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

Journal of agricultural and food chemistry , 2024 Jun 5

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

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 Q,Teng WL,Wang B,Zhao G,Pi XE

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

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

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

Probiotics combined with atorvastatin administration in the treatment of hyperlipidemia: A randomized, double-blind, placebo-controlled clinical trial.

Medicine , Volume: 103 Issue: 21 2024 May 24

Authors Tian Y,Wu G,Zhao X,Zhang H,Ren M,Song X,Chang H,Jing Z

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

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

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

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

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

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

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

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

Echinacea purpurea Polysaccharide Ameliorates Dextran Sulfate Sodium-Induced Colitis by Restoring the Intestinal Microbiota and Inhibiting the TLR4-NF- κ B Axis.

Nutrients , Volume: 16 Issue: 9 2024 Apr 26

Authors Wei FH,Xie WY,Zhao PS,Gao W,Gao F

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

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

Authors de Jesus LCL,Freitas ADS,Dutra JDCF,Campos GM,Américo MF,Laguna JG,Dornelas EG,Carvalho RDO,Vital KD,Fernandes SOA,Cardoso VN,de Oliveira JS,de Oliveira MFA,Faria AMC,Ferreira E,Souza RO,Martins FS,Barroso FAL,Azevedo V

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

Ovary metabolome and cecal microbiota changes in aged laying hens supplemented with vitamin E.

Poultry science , Volume: 103 Issue: 6 2024 Jun

Authors Wang Y,Xue Y,Yan C,Yu X,Zhang L,Wang Y,Lan Y,Zhang X

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

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

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

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

Endurance exercise associated with a fructooligosaccharide diet modulates gut microbiota and increases colon absorptive area.

Journal of gastroenterology and hepatology , Volume: 39 Issue: 6 2024 Jun

Authors Moura F,Romeiro C,Petriz B,Cavichioli N,Almeida JA,Castro A,Franco OL

Obliteration of H. pylori infection through the development of a novel thyme oil laden nanoporous gastric floating microspunge.

Heliyon , Volume: 10 Issue: 8 2024 Apr 30

Authors Jafar M,Ahmad Khan MS,Akbar MJ,AlSaihaty HS,Alasmari SS

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

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

Dietary intake of whole king oyster mushroom (Pleurotus eryngii) attenuated obesity via ameliorating lipid metabolism and alleviating gut microbiota dysbiosis.

Food research international (Ottawa, Ont.) , Volume: 184 2024 May

Authors Du H,Han Y,Ma G,Tan C,Hu Q,Xiao H

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 alcoholio-associated liver disease in mice.

Frontiers in microbiology , Volume: 15 2024

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

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

Polysaccharides from an edible mushroom, Hericium erinaceus, alleviate ulcerative colitis in mice by inhibiting the NLRP3 inflammasomes and reestablish intestinal homeostasis.

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

Authors Li H,Feng J,Liu C,Hou S,Meng J,Liu JY,Zilong S,Chang MC

Bacillus subtilis HW2 enhances growth performance and alleviates gut injury via attenuation of endoplasmic reticulum stress and regulation of gut microbiota in broilers under necrotic enteritis challenge.

Poultry science , Volume: 103 Issue: 5 2024 May

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

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

Nutrients , Volume: 16 Issue: 6 2024 Mar 10

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

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

Nutrients , Volume: 16 Issue: 6 2024 Mar 8

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

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

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

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

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

The food additive xylitol enhances the butyrate formation by the child gut microbiota developed in a dynamic colonic

simulator.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 187 2024 May

Authors Bellanco A,Celcar Š,Martínez-Cuesta MC,Requena T

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

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

Bacillus coagulans TC1711 Supplementation Improved Nonalcoholic Fatty Liver by Modulating Gut Microbiota: A Randomized, Placebo-Controlled, Clinical Trial.

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

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

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

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

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

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

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

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

Benefits of heat-killed Lactobacillus acidophilus on growth performance, nutrient digestibility, antioxidant status, immunity, and cecal microbiota of rabbits.

Frontiers in veterinary science , Volume: 11 2024

Authors Xia M,Li C,Wu D,Wu F,Kong L,Jia Z,Han W,Chen S,Fang W,Liu Y,Chen B

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

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

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

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,Martínez-Cambor P,Rodríguez-Alonso M,Ortolano-Ríos R,Pinto-Hernández P,Castilla-Silgado J,Coto-Vilcapoma A,Ruiz L,Villar CJ,Tomas-Zapico C,Margolles A,Fernández-García B,Iglesias-Gutiérrez 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

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

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

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

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

Nutrients , Volume: 16 Issue: 4 2024 Feb 13

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

The Effect of Oral Iron Supplementation/Fortification on the Gut Microbiota in Infancy: A Systematic Review and Meta-Analysis.

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

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

Human gut microbiota fermentation of cooked eggplant, garlic, and onion supports distinct microbial communities.

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

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

Gut enterotype-dependent modulation of gut microbiota and their metabolism in response to xanthohumol supplementation in healthy adults.

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

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

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

Journal of Cancer , Volume: 15 Issue: 5 2024

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

Dietary Lactobacillus delbrueckii Affects Ileal Bacterial Composition and Circadian Rhythms in Pigs.

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

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

Effect of ginger supplementation on the fecal microbiome in subjects with prior colorectal adenoma.

Scientific reports , Volume: 14 Issue: 1 2024 Feb 5

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

Echinacea purpurea polysaccharide intervene in hepatocellular carcinoma via modulation of gut microbiota to inhibit TLR4/NF- κ B pathway.

International journal of biological macromolecules , Volume: 261 Issue: Pt 2 2024 Mar

Authors Jing G,Xu W,Ma W,Yu Q,Zhu H,Liu C,Cheng Y,Guo Y,Qian H

[Analysis of gut target microbiota and species difference in patients with obstructive sleep apnea based on 16S rRNA sequencing].

Nan fang yi ke da xue xue bao = Journal of Southern Medical University , Volume: 44 Issue: 1 2024 Jan 20

Authors Zhu J,Lu M,Jiao Q,Sun Y,Liu L,Ding H,Yu Y,Pan L

Berberine alleviates ischemia reperfusion injury induced AKI by regulation of intestinal microbiota and reducing intestinal inflammation.

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

Authors Huo A,Wang F

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

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

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

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

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

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

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

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

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

Frontiers in immunology , Volume: 14 2023

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

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

Microorganisms , Volume: 12 Issue: 1 2024 Jan 2

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

Buds and Bugs: A Fascinating Tale of Gut Microbiota and Cannabis in the Fight against Cancer.**International journal of molecular sciences** , Volume: 25 Issue: 2 2024 Jan 10

Authors Al-Khazaleh AK,Jaye K,Chang D,Münch GW,Bhuyan DJ

Mechanism of Iron Ion Homeostasis in Intestinal Immunity and Gut Microbiota Remodeling.**International journal of molecular sciences** , Volume: 25 Issue: 2 2024 Jan 5

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

Investigating the Health Implications of Whey Protein Consumption: A Narrative Review of Risks, Adverse Effects, and Associated Health Issues.**Healthcare (Basel, Switzerland)** , Volume: 12 Issue: 2 2024 Jan 18

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

Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF- κ B Inflammasome Pathways and Regulating Intestinal Microbiota.**Foods (Basel, Switzerland)** , Volume: 13 Issue: 2 2024 Jan 10

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

Enhancing milk quality and modulating rectal microbiota of dairy goats in starch-rich diet: the role of bile acid supplementation.**Journal of animal science and biotechnology** , Volume: 15 Issue: 1 2024 Jan 22

Authors Yin Q,Yu J,Li J,Zhang T,Wang T,Zhu Y,Zhang J,Yao J

A Bifidobacterium animalis subsp. lactis strain that can suppress Helicobacter pylori: isolation, in vitro and in vivo validation.**Letters in applied microbiology** , Volume: 77 Issue: 1 2024 Jan 2

Authors Zheng Y,Zhang S,Zhang T,Teng X,Ling X,Li B,Xiao G,Huang S

Oat protein isolate-Pleurotus ostreatus β -glucan conjugate nanoparticles bound to β -carotene effectively alleviate immunosuppression by regulating gut microbiota.**Food & function** , Volume: 15 Issue: 4 2024 Feb 19

Authors Zhong L,Hu Q,Zhan Q,Zhao M,Zhao L

Effect of Lactobacillus plantarum ZFM4 in Helicobacter pylori-infected C57BL/6 mice: prevention is better than cure.**Frontiers in cellular and infection microbiology** , Volume: 13 2023

Authors Yu YY,Wu LY,Sun X,Gu Q,Zhou QQ

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

Effect of chemical, thermal, and enzymatic processing of wheat bran on the solubilization, technological and biological properties of non-starch polysaccharides.**Carbohydrate polymers** , Volume: 328 2024 Mar 15

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

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

Safety Assessment and Probiotic Potential Comparison of Bifidobacterium longum subsp. infantis BLI-02, Lactobacillus plantarum LPL28, Lactobacillus acidophilus TYCA06, and Lactobacillus paracasei ET-66.**Nutrients** , Volume: 16 Issue: 1 2023 Dec 29

Authors Chen JF,Hsia KC,Kuo YW,Chen SH,Huang YY,Li CM,Hsu YC,Tsai SY,Ho HH

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

Moringa oleifera leaf alleviates functional constipation via regulating the gut microbiota and the enteric nervous system in mice.**Frontiers in microbiology** , Volume: 14 2023

Authors Gao X,Yang W,Li S,Liu S,Yang W,Song S,Sheng J,Zhao Y,Tian Y

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

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

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

Frontiers in pharmacology , Volume: 14 2023

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

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

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

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

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

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

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

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

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

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

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

[Enhancing the antibacterial function of probiotic Escherichia coli Nissle: when less is more.](#)**Applied and environmental microbiology** , Volume: 89 Issue: 11 2023 Nov 29

Authors Bartram E,Asai M,Gabant P,Wigneshweraraj S

[Gut microbiota and metabolic modulation by supplementation of polysaccharide-producing Bacillus licheniformis from Tibetan Yaks: A comprehensive multi-omics analysis.](#)**International journal of biological macromolecules** , Volume: 254 Issue: Pt 2 2024 Jan

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

[Antitumor effect of exopolysaccharide from Lactiplantibacillus plantarum WLPL09 on melanoma mice via regulating immunity and gut microbiota.](#)**International journal of biological macromolecules** , Volume: 254 Issue: Pt 1 2023 Oct 31

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

[Effect of a Co-Feed Liquid Whey-Integrated Diet on Crossbred Pigs` Fecal Microbiota.](#)**Animals : an open access journal from MDPI** , Volume: 13 Issue: 11 2023 May 25

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

[Uncovering the promising role of grape pomace as a modulator of the gut microbiome: An in-depth review.](#)**Heliyon** , Volume: 9 Issue: 10 2023 Oct

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

[Modulation of pectin on intestinal barrier function via changes in microbial functional potential and bile acid metabolism.](#)**The Journal of nutritional biochemistry** , Volume: 124 2024 Feb

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

[Differential effects of plant-based flours on metabolic homeostasis and the gut microbiota in high-fat fed rats.](#)**Nutrition & metabolism** , Volume: 20 Issue: 1 2023 Oct 19

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

[Pectic oligosaccharides ameliorate high-fat diet-induced obesity and hepatic steatosis in association with modulating gut microbiota in mice.](#)**Food & function** , Volume: 14 Issue: 21 2023 Oct 30

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

[Bifidobacteria metabolize lactulose to optimize gut metabolites and prevent systemic infection in patients with liver disease.](#)**Nature microbiology** , Volume: 8 Issue: 11 2023 Nov

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

[Effect of grape pomace supplement on growth performance, gastrointestinal microbiota, and methane production in Tan lambs.](#)**Frontiers in microbiology** , Volume: 14 2023

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

[Whole-Grain Highland Barley Attenuates Atherosclerosis Associated with NLRP3 Inflammasome Pathway and Gut Microbiota in ApoE\(-/-\) Mice.](#)**Nutrients** , Volume: 15 Issue: 19 2023 Sep 28

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

[Comprehensive evaluation of the prebiotic properties of Dendrobium officinale polysaccharides, \$\beta\$ -glucan, and inulin during in vitro fermentation via multi-omics analysis.](#)**International journal of biological macromolecules** , Volume: 253 Issue: Pt 7 2023 Dec 31

Authors Sun Y,Zhang S,He H,Chen H,Nie Q,Li S,Cheng J,Zhang B,Zheng Z,Pan S,Huang P,Lian L,Hu J,Nie S

[Highland barley attenuates high fat and cholesterol diet induced hyperlipidemia in mice revealed by 16S rRNA gene sequencing and untargeted metabolomics.](#)**Life sciences** , Volume: 334 2023 Dec 1

Authors Li X,Wang L

[Regulatory effect of lactulose on intestinal flora and serum metabolites in colitis mice: In vitro and in vivo evaluation.](#)**Food chemistry: X** , Volume: 19 2023 Oct 30

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

[Effects of Dietary Bacillus subtilis HC6 on Growth Performance, Antioxidant Capacity, Immunity, and Intestinal Health in Broilers.](#)**Animals : an open access journal from MDPI** , Volume: 13 Issue: 18 2023 Sep 14

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

[Effects of Ramadan intermittent fasting on gut microbiome: is the diet key?](#)

Frontiers in microbiology , Volume: 14 2023

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

[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

[Chia \(Salvia hispanica L.\) flour modulates the intestinal microbiota in Wistar rats fed a high-fat and high-fructose diet.](#)

Food research international (Ottawa, Ont.) , Volume: 172 2023 Oct

Authors Morais VN,Gomes MJC,Grancieri M,Moreira LPD,Toledo RCL,Costa NMB,da Silva BP,Martino HSD

[Antidepressant properties of voluntary exercise mediated by gut microbiota.](#)

Bioscience, biotechnology, and biochemistry , Volume: 87 Issue: 11 2023 Oct 25

Authors Watanabe C,Oyanagi E,Aoki T,Hamada H,Kawashima M,Yamagata T,Kremenik MJ,Yano H

[Voluntary exercise does not increase gastrointestinal motility but increases spatial memory, intestinal eNOS, Akt levels, and Bifidobacteria abundance in the microbiome.](#)

Frontiers in physiology , Volume: 14 2023

Authors Bakonyi P,Kolonics A,Aczel D,Zhou L,Mozaffaritarab S,Molnár K,László L,Kutasi B,Tanisawa K,Park J,Gu Y,Pinho RA,Radak Z

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

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

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

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

Food & function , 2023 Sep 1

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

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

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

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

[Probiotic Escherichia coli Nissle 1917-derived outer membrane vesicles modulate the intestinal microbiome and host gut-liver metabolome in obese and diabetic mice.](#)

Frontiers in microbiology , Volume: 14 2023

Authors Shi J,Ma D,Gao S,Long F,Wang X,Pu X,Cannon RD,Han TL

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

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

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

[Chia Phenolic Extract Appear to Improve Small Intestinal Functionality, Morphology, Bacterial Populations, and Inflammation Biomarkers In Vivo \(Gallus gallus\).](#)

Nutrients , Volume: 15 Issue: 16 2023 Aug 19

Authors Mishima MDV,Martino HSD,Kolba N,Agarwal N,Jackson C,da Silva BP,Grancieri M,de Assis A,São José VPB,Tako E

[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

[Probiotic containing Lactobacillus reuteri DSM 17648 as an adjunct treatment for Helicobacter pylori infection: A randomized, double-blind, placebo-controlled trial.](#)

Helicobacter , Volume: 28 Issue: 6 2023 Dec

Authors Ismail NI,Nawawi KNM,Hsin DCC,Hao KW,Mahmood NRKN,Chearn GLC,Wong Z,Tamil AM,Joseph H,Raja Ali RA

[Composition and Anti-Helicobacter pylori Properties of Essential Oils Obtained from Selected Mentha Cultivars.](#)

Molecules (Basel, Switzerland) , Volume: 28 Issue: 15 2023 Jul 27

Authors Piasecki B,Korona-Glowniak I,Kieltyka-Dadasiewicz A,Ludwiczuk A

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

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

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

Melatonin promotes gut anti-oxidative status in perinatal rat by remodeling the gut microbiome.

Redox biology , Volume: 65 2023 Sep

Authors Yi X,Cai R,Shaoyong W,Wang G,Yan W,He Z,Li R,Chao M,Zhao T,Deng L,Yang G,Pang W

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

Nutrients , Volume: 15 Issue: 14 2023 Jul 24

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

Inhibitory activity of Limosilactobacillus reuteri isolated from camel milk against Helicobacter pylori effects in human gastric epithelial cells.

Biotechnology and applied biochemistry , Volume: 70 Issue: 6 2023 Dec

Authors Nia FF,Ghasemi A,Saeidi J,Mohtashami M

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

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

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

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

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

Heridium erinaceus, a medicinal fungus with a centuries-old history: Evidence in gastrointestinal diseases.

World journal of gastroenterology , Volume: 29 Issue: 20 2023 May 28

Authors Gravina AG,Pellegrino R,Auletta S,Palladino G,Brandimarte G,D`Onofrio R,Arboreto G,Imperio G,Ventura A,Cipullo M,Romano M,Federico A

Effects of liposoluble components of highland barley spent grains on physiological indexes, intestinal microorganisms, and the liver transcriptome in mice fed a high-fat diet.

Food science & nutrition , Volume: 11 Issue: 6 2023 Jun

Authors Zhang J,Luo Y,Feng S,Sun W,Li S,Kong L

Investigating the modulatory effects of Moringa oleifera on the gut microbiota of chicken model through metagenomic approach.

Frontiers in veterinary science , Volume: 10 2023

Authors Soundararajan S,Selvakumar J,Maria Joseph ZM,Gopinath Y,Saravanan V,Santhanam R

Effect of the β -glucan from Lentinus edodes on colitis-associated colorectal cancer and gut microbiota.

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Liu N,Zou S,Xie C,Meng Y,Xu X

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

Carbohydrate polymers , Volume: 316 2023 Sep 15

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

[Characteristic Gut Bacteria in High Barley Consuming Japanese Individuals without Hypertension.](#)**Microorganisms** , Volume: 11 Issue: 5 2023 May 9

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

[In vitro simulated fecal fermentation of mixed grains on short-chain fatty acid generation and its metabolized mechanism.](#)**Food research international (Ottawa, Ont.)** , Volume: 170 2023 Aug

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

[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

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

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

[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

[Fungal \$\beta\$ -glucan-facilitated cross-feeding activities between Bacteroides and Bifidobacterium species.](#)**Communications biology** , Volume: 6 Issue: 1 2023 May 30

Authors Fernandez-Julia P,Black GW,Cheung W,Van Sinderen D,Munoz-Munoz J

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

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

[Dietary Lactobacillus reuteri SL001 Improves Growth Performance, Health-Related Parameters, Intestinal Morphology and Microbiota of Broiler Chickens.](#)**Animals : an open access journal from MDPI** , Volume: 13 Issue: 10 2023 May 19

Authors Chai C,Guo Y,Mohamed T,Bumbie GZ,Wang Y,Zeng X,Zhao J,Du H,Tang Z,Xu Y,Sun W

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

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

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

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

[Dietary Supplementation of Brevibacillus laterosporus S62-9 Improves Broiler Growth and Immunity by Regulating Cecal Microbiota and Metabolites.](#)**Probiotics and antimicrobial proteins** , 2023 May 22

Authors Zhi T,Ma A,Liu X,Chen Z,Li S,Jia Y

[Anti-diabetic effect of modified 'Guanximiyou' pummelo peel pectin on type 2 diabetic mice via gut microbiota.](#)**International journal of biological macromolecules** , Volume: 242 Issue: Pt 2 2023 Jul 1

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

[Lactulose regulates gut microbiota dysbiosis and promotes short-chain fatty acids production in acute pancreatitis patients with intestinal dysfunction.](#)**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 163 2023 Jul

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

[Multi-Omics Reveals the Effects of Cannabidiol on Gut Microbiota and Metabolic Phenotypes.](#)**Cannabis and cannabinoid research** , Volume: 9 Issue: 3 2024 Jun

Authors He M,Liu A,Shi J,Xu YJ,Liu Y

[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

[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

[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

[Bovine Colostrum Supplementation Modulates the Intestinal Microbial Community in Rabbits.](#)

Animals : an open access journal from MDPI , Volume: 13 Issue: 6 2023 Mar 8

Authors Agradi S, Cremonesi P, Menchetti L, Balzaretto C, Severgnini M, Riva F, Castiglioni B, Draghi S, Di Giancamillo A, Castrica M, Vigo D, Modina SC, Serra V, Quattrone A, Angelucci E, Pastorelli G, Curone G, Brecchia G

[Bifidobacterium bifidum CCFM1163 Alleviated Cathartic Colon by Regulating the Intestinal Barrier and Restoring Enteric Nerves.](#)

Nutrients , Volume: 15 Issue: 5 2023 Feb 24

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

[Pectin modulates intestinal immunity in a pig model via regulating the gut microbiota-derived tryptophan metabolite-AhR-IL22 pathway.](#)

Journal of animal science and biotechnology , Volume: 14 Issue: 1 2023 Mar 8

Authors Dang G, Wen X, Zhong R, Wu W, Tang S, Li C, Yi B, Chen L, Zhang H, Schroyen M

[Effects of fermented soybean meal supplementation on the growth performance and apparent total tract digestibility by modulating the gut microbiome of weaned piglets.](#)

Scientific reports , Volume: 13 Issue: 1 2023 Mar 6

Authors Muniyappan M, Shanmugam S, Park JH, Han K, Kim IH

[Lactobacillus plantarum HF02 alleviates lipid accumulation and intestinal microbiota dysbiosis in high-fat diet-induced obese mice.](#)

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

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

[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

[In Vitro Fermentation of Edible Mushrooms: Effects on Faecal Microbiota Characteristics of Autistic and Neurotypical Children.](#)

Microorganisms , Volume: 11 Issue: 2 2023 Feb 6

Authors Saxami G, Mitsou EK, Kerezoudi EN, Mavrouli I, Vlassopoulou M, Koutrotsios G, Mountzouris KC, Zervakis GI, Kyriacou A

[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

[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

[Melatonin improves the homeostasis of mice gut microbiota rhythm caused by sleep restriction.](#)

Microbes and infection , Volume: 25 Issue: 6 2023 Jul-Aug

Authors Li W, Wang Z, Cao J, Dong Y, Chen Y

[Effects of \$\beta\$ -glucan on Salmonella enterica serovar Typhimurium swine colonization and microbiota alterations.](#)

Porcine health management , Volume: 9 Issue: 1 2023 Feb 14

Authors Bearson SMD, Trachsel JM, Bearson BL, Loving CL, Kerr BJ, Shippy DC, Kiros TG

[A comparison of study on intestinal barrier protection of polysaccharides from Hericium erinaceus before and after fermentation.](#)

International journal of biological macromolecules , Volume: 233 2023 Apr 1

Authors Su Y,Cheng S,Ding Y,Wang L,Sun M,Man C,Zhang Y,Jiang Y

Oligofructose, 2'fucosyllactose and β -glucan in combination induce specific changes in microbial composition and short-chain fatty acid production compared to sole supplementation.

Journal of applied microbiology , Volume: 134 Issue: 2 2023 Feb 16

Authors Jackson PPJ,Wijeyesekera A, van Harsseelaar J,Theis S,Rastall RA

Gut microbiota-derived metabolites mediate the neuroprotective effect of melatonin in cognitive impairment induced by sleep deprivation.

Microbiome , Volume: 11 Issue: 1 2023 Jan 31

Authors Wang X,Wang Z,Cao J,Dong Y,Chen Y

A High Dose of Dietary Berberine Improves Gut Wall Morphology, Despite an Expansion of Enterobacteriaceae and a Reduction in Beneficial Microbiota in Broiler Chickens.

mSystems , Volume: 8 Issue: 1 2023 Feb 23

Authors Dehau T,Cherlet M,Croubels S, van Immerseel F,Goossens E

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

Drug design, development and therapy , Volume: 17 2023

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

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

Lactacaseibacillus 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

Effect of Echinacea on gut microbiota of immunosuppressed ducks.

Frontiers in microbiology , Volume: 13 2022

Authors Lin R,Zhi C,Su Y,Chen J,Gao D,Li S,Shi D

Prophylactic Effect of Bovine Colostrum on Intestinal Microbiota and Behavior in Wild-Type and Zonulin Transgenic Mice.

Biomedicines , Volume: 11 Issue: 1 2022 Dec 29

Authors Asbjornsdottir B,Miranda-Ribera A,Florentino M,Konno T,Cetinbas M,Lan J,Sadreyev RI,Gudmundsson LS,Gottfredsson M,Lauth B,Birgisdottir BE,Fasano A

Dietary Polysaccharide-Rich Extract from Noni (Morinda citrifolia L.) Fruit Modified Ruminal Fermentation, Ruminal Bacterial Community and Nutrient Digestion in Cashmere Goats.

Animals : an open access journal from MDPI , Volume: 13 Issue: 2 2023 Jan 6

Authors Zhang Q,Zhao Y,Li Y,Guo X,Guo Y,Ma G,Liang X,Yan S

Modulatory Effect of Fermented Black Soybean and Adlay on Gut Microbiota Contributes to Healthy Aging.

Molecular nutrition & food research , Volume: 67 Issue: 5 2023 Mar

Authors Koh YC,Kuo LH,Chang YY,Tung YC,Lo YC,Pan MH

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

Sex Differences of Radiation Damage in High-Fat-Diet-Fed Mice and the Regulatory Effect of Melatonin.

Nutrients , Volume: 15 Issue: 1 2022 Dec 23

Authors Ren J,Yuan T,Li H,Wu X,Zhang J,Li D,Lu L,Fan S

Lactacaseibacillus rhamnosus Probio-M9-Driven Mouse Mammary Tumor-Inhibitory Effect Is Accompanied by Modulation of Host Gut Microbiota, Immunity, and Serum Metabolome.

Nutrients , Volume: 15 Issue: 1 2022 Dec 20

Authors Zhang W,Zhang Y,Li Y,Ma D,Zhang H,Kwok LY

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

Effects of oat (Avena sativa L.) hay diet supplementation on the intestinal microbiome and metabolome of Small-tail Han

[sheep.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Su S,Wang L,Fu S,Zhao J,He X,Chen Q,Belobrajdic DP,Yu C,Liu H,Wu H,Han P,Yang B,Huang Y,Liu Y,He 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

[Effects of a Saccharomyces cerevisiae fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.](#)

Journal of animal science , 2022 Dec 27

Authors Oba PM,Carroll MQ,Sieja KM,Nogueira JPS,Yang X,Epp TY,Warzecha CM,Varney JL,Fowler JW,Coon CN,Swanson KS

[Green Tea Catechin EGCG Ameliorates Thioacetamide-Induced Hepatic Encephalopathy in Rats via Modulation of the Microbiota-Gut-Liver Axis.](#)

Molecular nutrition & food research , Volume: 67 Issue: 8 2023 Apr

Authors Zhou Z,Li K,Guo J,Wang Y,Wei Y,Duan J,Chen M,Shi L,Hu W

[Pectin supplement alleviates gut injury potentially through improving gut microbiota community in piglets.](#)

Frontiers in microbiology , Volume: 13 2022

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

[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

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

Nutrients , Volume: 14 Issue: 24 2022 Dec 14

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

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

Nutrients , Volume: 14 Issue: 24 2022 Dec 8

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

[Simulated Digestion and Fermentation In Vitro by Obese Human Gut Microbiota of Sulfuraphane from Broccoli Seeds.](#)

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

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

[Modulating effects of Hericium erinaceus polysaccharides on the immune response by regulating gut microbiota in cyclophosphamide-treated mice.](#)

Journal of the science of food and agriculture , Volume: 103 Issue: 6 2023 Apr

Authors Tian B,Liu R,Xu T,Cai M,Mao R,Huang L,Yang K,Zeng X,Peilong S

[Underlying beneficial effects of Rhubarb on constipation-induced inflammation, disorder of gut microbiome and metabolism.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Gao H,He C,Hua R,Liang C,Wang B,Du Y,Xin S,Guo Y,Gao L,Zhang L,Shang H,Xu J

[Cannabis sativa L. alleviates loperamide-induced constipation by modulating the composition of gut microbiota in mice.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Li R,Li M,Li B,Chen WH,Liu Z

[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 \$\beta\$ -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

[Constipation Mitigation by Rhubarb Extract in Middle-Aged Adults Is Linked to Gut Microbiome Modulation: A Double-Blind Randomized Placebo-Controlled Trial.](#)

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

Authors Neyrinck AM,Rodríguez J,Taminiau B,Herpin F,Cani PD,Daube G,Bindels LB,Delzenne NM

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

Tea polyphenol and epigallocatechin gallate ameliorate hyperlipidemia via regulating liver metabolism and remodeling gut microbiota.

Food chemistry , Volume: 404 Issue: Pt A 2023 Mar 15

Authors Wen JJ,Li MZ,Chen CH,Hong T,Yang JR,Huang XJ,Geng F,Hu JL,Nie SP

Dietary bile acid supplementation alters plasma biochemical and hormone indicators, intestinal digestive capacity, and microbiota of piglets with normal birth weight and intrauterine growth retardation.

Frontiers in microbiology , Volume: 13 2022

Authors Liu Y,Azad MAK,Zhu Q,Yu Z,Kong X

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

β-Glucan alleviates mice with ulcerative colitis through interactions between gut microbes and amino acids metabolism.

Journal of the science of food and agriculture , Volume: 103 Issue: 8 2023 Jun

Authors Liu C,Sun C,Cheng Y

Effect of Chia (Salvia hispanica L.) Associated with High-Fat Diet on the Intestinal Health of Wistar Rats.

Nutrients , Volume: 14 Issue: 22 2022 Nov 21

Authors Mishima MDV,Da Silva BP,Gomes MJC,Toledo RCL,Mantovani HC,José VPBS,Costa NMB,Tako E,Martino HSD

Sodium Alginate Prevents Non-Alcoholic Fatty Liver Disease by Modulating the Gut-Liver Axis in High-Fat Diet-Fed Rats.

Nutrients , Volume: 14 Issue: 22 2022 Nov 16

Authors Zhao H,Gao X,Liu Z,Zhang L,Fang X,Sun J,Zhang Z,Sun Y

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

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

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

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

Bacillus amyloliquefaciens SC06 in the diet improves egg quality of hens by altering intestinal microbiota and the effect is diminished by antimicrobial peptide.

Frontiers in nutrition , Volume: 9 2022

Authors Xu S,Wang F,Zou P,Li X,Jin Q,Wang Q,Wang B,Zhou Y,Tang L,Yu D,Li W

Exploratory analysis of one versus two-day intermittent fasting protocols on the gut microbiome and plasma metabolome in adults with overweight/obesity.

Frontiers in nutrition , Volume: 9 2022

Authors Mohr AE,Jasbi P,Bowes DA,Dirks B,Whisner CM,Arciero KM,Poe M,Gu H,Gumprich E,Sweazea KL,Arciero PJ

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

Co-Cultures of Lactobacillus acidophilus and Bacillus subtilis Enhance Mucosal Barrier by Modulating Gut Microbiota-Derived Short-Chain Fatty Acids.

Nutrients , Volume: 14 Issue: 21 2022 Oct 25

Authors Xie Z,Li M,Qian M,Yang Z,Han X

Lactobacillus rhamnosus TR08 Improves Dyslipidemia in Mice Fed with a High Fat Diet by Regulating the Intestinal Microbiota, Reducing Systemic Inflammatory Response, and Promoting Sphingolipid 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

[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

[Effect of chia flour associated with high fat diet on intestinal health in female ovariectomized Wistar rats.](#)

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

Authors Mishima MDV,da Silva BP,Gomes MJC,Toledo RCL,Pereira CER,Costa NMB,Martino HSD

[Lactocaseibacillus rhamnosus-Derived Exopolysaccharide Attenuates D-Galactose-Induced Oxidative Stress and Inflammatory Brain Injury and Modulates Gut Microbiota in a Mouse Model.](#)

Microorganisms , Volume: 10 Issue: 10 2022 Oct 17

Authors Kumari M,Dasriya VL,Nataraj BH,Nagpal R,Bhare PV

[Gut microbiota profiling in aged dogs after feeding pet food contained Hericium erinaceus.](#)

Journal of animal science and technology , Volume: 64 Issue: 5 2022 Sep

Authors Cho HW,Choi S,Seo K,Kim KH,Jeon JH,Kim CH,Lim S,Jeong S,Chun JL

[\[A prospective randomized comparative study of the efficacy and safety of a two-week bismuth-based quadrotherapy of Helicobacter pylori infection with the inclusion of the probiotic containing Bifidobacterium longum BB-46 and Enterococcus faecium ENCfa-68 \].](#)

Terapevticheskii arkhiv , Volume: 93 Issue: 8 2021 Aug 15

Authors Yakovenko EP,Strokova TV,Iakovenko AV,Ivanov AN,Soluyanov IP,Vasilyev NN

[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

[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

[Differential regulation and preventive mechanisms of green tea powder with different quality attributes on high-fat diet-induced obesity in mice.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Wang J,Dong L,Hu JQ,Wang YY,Li A,Peng B,Zhang BW,Liu JM,Wang S

[Bovine milk with variant \$\beta\$ -casein types on immunological mediated intestinal changes and gut health of mice.](#)

Frontiers in nutrition , Volume: 9 2022

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

[\[Bifidobacterium bifidum TMC3115 Promotes Early Life Intestinal Microbiota Building to Alleviate Symptoms of Inflammatory Bowel Disease\].](#)

Sichuan da xue xue bao. Yi xue ban = Journal of Sichuan University. Medical science edition , Volume: 53 Issue: 5 2022 Sep

Authors Peng CR,Wang YM,Wang SL,Wu SM,Li JX,Cheng RY,He F,Shen X

A red wine intervention does not modify plasma trimethylamine N-oxide but is associated with broad shifts in the plasma metabolome and gut microbiota composition.

The American journal of clinical nutrition , Volume: 116 Issue: 6 2022 Dec 19

Authors Haas EA, Saad MJA, Santos A, Vitulo N, Lemos WJF, Martins AMA, Picossi CRC, Favarato D, Gaspar RS, Magro DO, Libby P, Laurindo FRM, Da Luz PL, WineFlora Study

Role of a probiotic strain in the modulation of gut microbiota and cytokines in inflammatory bowel disease.

Anaerobe , Volume: 78 2022 Dec

Authors Bamola VD, Dubey D, Samanta P, Kedia S, Ahuja V, Madempudi RS, Neelamraju J, Chaudhry R

Synbiotic microencapsulation of Enterococcus faecium Rp1: a potential probiotic isolated from ragi porridge with antiproliferative property against colon carcinoma cell line.

Journal of food science and technology , Volume: 59 Issue: 10 2022 Oct

Authors Ashwanandhini G, Reshma R, Preetha R

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

Frontiers in endocrinology , Volume: 13 2022

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

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

Comprehensive analysis of microbiome, metabolome and transcriptome revealed the mechanisms of Moringa oleifera polysaccharide on preventing ulcerative colitis.

International journal of biological macromolecules , Volume: 222 Issue: Pt A 2022 Dec 1

Authors Tian H, Wen Z, Liu Z, Guo Y, Liu G, Sun B

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

The combination of microbiome and metabolome to analyze the cross-cooperation mechanism of Echinacea purpurea polysaccharide with the gut microbiota in vitro and in vivo.

Food & function , Volume: 13 Issue: 19 2022 Oct 3

Authors Liu C, Jiang W, Yang F, Cheng Y, Guo Y, Yao W, Zhao Y, Qian H

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

Frontiers in microbiology , Volume: 13 2022

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

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

Frontiers in microbiology , Volume: 13 2022

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

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

Frontiers in microbiology , Volume: 13 2022

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

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

Nutrients , Volume: 14 Issue: 17 2022 Aug 27

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

Green tea extract alters gut microbiota and their metabolism of adults with metabolic syndrome in a host-free human colonic model.

Food research international (Ottawa, Ont.) , Volume: 160 2022 Oct

Authors Zhang S, Xu M, Sun X, Shi H, Zhu J

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

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

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

Milk fat globule membrane supplementation to obese rats during pregnancy and lactation promotes neurodevelopment in offspring via modulating gut microbiota.

Frontiers in nutrition , Volume: 9 2022

Authors Yuan Q, Gong H, Du M, Li T, Mao X

Effects of Bacillus subtilis natto JLCC513 on gut microbiota and intestinal barrier function in obese rats.

Journal of applied microbiology , Volume: 133 Issue: 6 2022 Dec

Authors Sun R,Niu H,Sun M,Miao X,Jin X,Xu X,Yanping C,Mei H,Wang J,Da L,Su Y

Different effects of Bacillus coagulans vegetative cells and spore isolates on constipation-induced gut microbiota dysbiosis in mice.

Food & function , Volume: 13 Issue: 18 2022 Sep 22

Authors Li L,Liu B,Cao J,Zhang H,Tian F,Yu L,Chen W,Zhai Q

Chicken Gut Microbiota Responses to Dietary Bacillus subtilis Probiotic in the Presence and Absence of Eimeria Infection.

Microorganisms , Volume: 10 Issue: 8 2022 Jul 31

Authors Memon FU,Yang Y,Zhang G,Leghari IH,Lv F,Wang Y,Laghari F,Khushk FA,Si H

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

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

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

Bacillus subtilis-Fermented Products Ameliorate the Growth Performance, Alleviate Intestinal Inflammatory Gene Expression, and Modulate Cecal Microbiota Community in Broilers during the Starter Phase under Dextran Sulfate Sodium Challenge.

The journal of poultry science , Volume: 59 Issue: 3 2022 Jul 25

Authors Chen JY,Yu YH

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

Early life administration of Bifidobacterium bifidum BD-1 alleviates long-term colitis by remodeling the gut microbiota and promoting intestinal barrier development.

Frontiers in microbiology , Volume: 13 2022

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

Consumption of Wheat Peptides Improves Functional Constipation: A Translational Study in Humans and Mice.

Molecular nutrition & food research , Volume: 66 Issue: 19 2022 Oct

Authors Wang Q,Shen F,Zhang J,Cai H,Pan Y,Sun T,Gong Y,Du J,Zhong H,Feng F

Oregano Essential Oils Mediated Intestinal Microbiota and Metabolites and Improved Growth Performance and Intestinal Barrier Function in Sheep.

Frontiers in immunology , Volume: 13 2022

Authors Jia L,Wu J,Lei Y,Kong F,Zhang R,Sun J,Wang L,Li Z,Shi J,Wang Y,Wei Y,Zhang K,Lei Z

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

Beta-Glucan Alters Gut Microbiota and Plasma Metabolites in Pre-Weaning Dairy Calves.

Metabolites , Volume: 12 Issue: 8 2022 Jul 26

Authors Luo Z,Ma L,Zhou T,Huang Y,Zhang L,Du Z,Yong K,Yao X,Shen L,Yu S,Shi X,Cao S

Metagenomic Changes of Gut Microbiota following Treatment of Helicobacter pylori Infection with a Simplified Low-Dose Quadruple Therapy with Bismuth or Lactobacillus reuteri.

Nutrients , Volume: 14 Issue: 14 2022 Jul 6

Authors Dore MP,Sau R,Niolu C,Abbondio M,Tanca A,Bibbò S,Loria M,Pes GM,Uzzau S

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

Berberubine, a Main Metabolite of Berberine, Alleviates Non-Alcoholic Fatty Liver Disease via Modulating Glucose and Lipid Metabolism and Restoring Gut Microbiota.

Frontiers in pharmacology , Volume: 13 2022

Authors Yang S,Cao S,Li C,Zhang J,Liu C,Qiu F,Kang N

Lactobacillus plantarum Alleviates Obesity by Altering the Composition of the Gut Microbiota in High-Fat Diet-Fed Mice.

Frontiers in nutrition , Volume: 9 2022

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

Soy-whey dual-protein alleviates osteoporosis of ovariectomized rats via regulating bone fat metabolism through gut-liver-bone axis.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 103-104 2022 Nov-Dec

Authors Zhang J,Zhang Q,Liu H,Liu X,Yu Y,Han D,He X,Zeng P,Wang J

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

with meta-analyses.

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

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

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

Nutrients , Volume: 14 Issue: 13 2022 Jun 21

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

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

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

Authors Li X,Liang H

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

Tryptophan-rich diet ameliorates chronic unpredictable mild stress induced depression- and anxiety-like behavior in mice: The potential involvement of gut-brain axis.

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

Authors Wang D,Wu J,Zhu P,Xie H,Lu L,Bai W,Pan W,Shi R,Ye J,Xia B,Zhao Z,Wang Y,Liu X,Zhao B

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

Dietary Moringa oleifera leaf powder improves jejunal permeability and digestive function by modulating the microbiota composition and mucosal immunity in heat stressed rabbits.

Environmental science and pollution research international , Volume: 29 Issue: 53 2022 Nov

Authors Khalid AR,Yasoob TB,Zhang Z,Zhu X,Hang S

Lactobacillus plantarum FRT4 alleviated obesity by modulating gut microbiota and liver metabolome in high-fat diet-induced obese mice.

Food & nutrition research , Volume: 66 2022

Authors Cai H,Wen Z,Zhao L,Yu D,Meng K,Yang P

Effect of dietary Bacillus coagulans on the performance and intestinal microbiota of weaned piglets.

Animal : an international journal of animal bioscience , Volume: 16 Issue: 7 2022 Jul

Authors Sun T,Miao H,Zhang C,Wang Y,Liu S,Jiao P,Li W,Li Y,Huang Z

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

The Probiotic Lactobacillus paracasei Ameliorates Diarrhea Cause by Escherichia coli Q(8) via Gut Microbiota Modulation(1).

Frontiers in nutrition , Volume: 9 2022

Authors Ren S,Wang C,Chen A,Lv W,Gao R

Zingiber officinale and Panax ginseng ameliorate ulcerative colitis in mice via modulating gut microbiota and its metabolites.

Journal of chromatography. B, Analytical technologies in the biomedical and life sciences , Volume: 1203 2022 Jul 1

Authors Wan Y,Yang L,Li H,Ren H,Zhu K,Dong Z,Jiang S,Shang E,Qian D,Duan J

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

The Microbiome and Gut Endocannabinoid System in the Regulation of Stress Responses and Metabolism.

Frontiers in cellular neuroscience , Volume: 16 2022

Authors Srivastava RK,Lutz B,Ruiz de Azua I

Investigating Ramadan Like Fasting Effects on the Gut Microbiome in BALB/c Mice.

Frontiers in nutrition , Volume: 9 2022

Authors Su J,Li F,Wang Y,Su Y,Verhaar A,Ma Z,Peppelenbosch MP

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

Effect of a specific Escherichia coli Nissle 1917 strain on minimal/mild hepatic encephalopathy treatment.

World journal of hepatology , Volume: 14 Issue: 3 2022 Mar 27

Authors Manzhali E,Moyseyenko V,Kondratiuk V,Molochek N,Falalyeyeva T,Kobyliak N

Pleurotus Ostreatus Ameliorates Obesity by Modulating the Gut Microbiota in Obese Mice Induced by High-Fat Diet.

Nutrients , Volume: 14 Issue: 9 2022 Apr 29

Authors Hu Y,Xu J,Sheng Y,Liu J,Li H,Guo M,Xu W,Luo Y,Huang K,He X

Crude Polysaccharide Extracted From Moringa oleifera Leaves Prevents Obesity in Association With Modulating Gut Microbiota in High-Fat Diet-Fed Mice.

Frontiers in nutrition , Volume: 9 2022

Authors Li L,Ma L,Wen Y,Xie J,Yan L,ji A,Zeng Y,Tian Y,Sheng J

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

Influence of dietary vitamin E and selenium supplementation on broilers subjected to heat stress, Part II: oxidative stress, immune response, gut integrity, and intestinal microbiota.

Poultry science , Volume: 101 Issue: 6 2022 Jun

Authors Calik A,Emami NK,Schyns G,White MB,Walsh MC,Romero LF,Dalloul RA

In-depth investigation of the mechanisms of Echinacea purpurea polysaccharide mitigating alcoholic liver injury in mice via gut microbiota informatics and liver metabolomics.

International journal of biological macromolecules , Volume: 209 Issue: Pt A 2022 Jun 1

Authors Jiang W,Zhu H,Liu C,Hu B,Guo Y,Cheng Y,Qian H

Digestive Characteristics of Hericium erinaceus Polysaccharides and Their Positive Effects on Fecal Microbiota of Male and Female Volunteers During in vitro Fermentation.

Frontiers in nutrition , Volume: 9 2022

Authors Tian B,Geng Y,Xu T,Zou X,Mao R,Pi X,Wu W,Huang L,Yang K,Zeng X,Sun P

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

In Vitro Gut Fermentation of Whey Protein Hydrolysate: An Evaluation of Its Potential Modulation on Infant Gut Microbiome.

Nutrients , Volume: 14 Issue: 7 2022 Mar 25

Authors Feng C,Tian L,Hong H,Wang Q,Zhan X,Luo Y,Tan Y

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

Stewed Rhubarb Decoction Ameliorates Adenine-Induced Chronic Renal Failure in Mice by Regulating Gut Microbiota Dysbiosis.

Frontiers in pharmacology , Volume: 13 2022

Authors Wang R,Hu B,Ye C,Zhang Z,Yin M,Cao Q,Ba Y,Liu H

Effects of Ramadan and Non-ramadan Intermittent Fasting on Gut Microbiome.

Frontiers in nutrition , Volume: 9 2022

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

Intestinal Mucosal Immunity-Mediated Modulation of the Gut Microbiome by Oral Delivery of Enterococcus faecium Against Salmonella Enteritidis Pathogenesis in a Laying Hen Model.

Frontiers in immunology , Volume: 13 2022

Authors Huang S,Rong X,Liu M,Liang Z,Geng Y,Wang X,Zhang J,Ji C,Zhao L,Ma Q

Effects of the potential probiotic Bacillus subtilis D1-2 on growth, digestion, immunity and intestinal flora in juvenile sea cucumber, Apostichopus japonicus.

Fish & shellfish immunology , Volume: 124 2022 May

Authors Wang M,Lv C,Chen Y,Bi X,Yang D,Zhao J

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

Journal of immunology research , Volume: 2022 2022

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

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,Salgaço MK,Pimentel TC,Rodrigues da Silva TC,Sartoratto A,Lima MDS,Sassi CFDC,Mesa V,Magnani M,Sivieri K

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

Relationships between barley consumption and gut microbiome characteristics in a healthy Japanese population: a cross-sectional study.

BMC nutrition , Volume: 8 Issue: 1 2022 Mar 14

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

Berberine ameliorates DSS-induced intestinal mucosal barrier dysfunction through microbiota-dependence and Wnt/ β -catenin pathway.

International journal of biological sciences , Volume: 18 Issue: 4 2022

Authors Dong Y,Fan H,Zhang Z,Jiang F,Li M,Zhou H,Guo W,Zhang Z,Kang Z,Gui Y,Shou Z,Li J,Zhu R,Fu Y,Sarapultsev A,Wang H,Luo S,Zhang G,Hu D

Lactulose Modulates the Structure of Gut Microbiota and Alleviates Colitis-Associated Tumorigenesis.

Nutrients , Volume: 14 Issue: 3 2022 Feb 3

Authors Hiraishi K,Zhao F,Kurahara LH,Li X,Yamashita T,Hashimoto T,Matsuda Y,Sun Z,Zhang H,Hirano 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 Lactobacillus 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 Probiotic Bifidobacterium bifidum TMC3115 Supplementation on Psychosocial Stress Using a Sub-Chronic and Mild Social Defeat Stress in Mice.

Nutrients , Volume: 14 Issue: 5 2022 Feb 24

Authors Yoda K,Harata G,Sato M,Miyazawa K,Ohsawa N,He F,Toyoda 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

Melatonin prevents the dysbiosis of intestinal microbiota in sleep-restricted mice by improving oxidative stress and inhibiting inflammation.

Saudi journal of gastroenterology : official journal of the Saudi Gastroenterology Association , Volume: 28 Issue: 3 2022 May-Jun

Authors Wang T,Wang Z,Cao J,Dong Y,Chen Y

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

[Pre-Administration of Berberine Exerts Chemopreventive Effects in AOM/DSS-Induced Colitis-Associated Carcinogenesis Mice via Modulating Inflammation and Intestinal Microbiota.](#)**Nutrients , Volume: 14 Issue: 4 2022 Feb 9**

Authors Deng J,Zhao L,Yuan X,Li Y,Shi J,Zhang H,Zhao Y,Han L,Wang H,Yan Y,Zhao H,Wang H,Zou F

[Correlation between the regulation of intestinal bacteriophages by green tea polyphenols and the flora diversity in SPF mice.](#)**Food & function , Volume: 13 Issue: 5 2022 Mar 7**

Authors Dong S,Xin Z,He W,Zhang Y,Xiong J,Wang J,Liao Z,Wang L,Zhong Q,Wei H,Fang X

[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

[Glycolipid Metabolism and Metagenomic Analysis of the Therapeutic Effect of a Phenolics-Rich Extract from Noni Fruit on Type 2 Diabetic Mice.](#)**Journal of agricultural and food chemistry , Volume: 70 Issue: 9 2022 Mar 9**

Authors Wang R,Zhang L,Zhang Q,Zhang J,Liu S,Li C,Wang L

[Bifidobacterium animalis subsp. lactis BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.](#)**Frontiers in nutrition , Volume: 8 2021**

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

[Effects of Bacillus amyloliquefaciens TL106 Isolated from Tibetan Pigs on Probiotic Potential and Intestinal Microbes in Weaned Piglets.](#)**Microbiology spectrum , Volume: 10 Issue: 1 2022 Jan 26**

Authors Du H,Yao W,Kulyar MF,Ding Y,Zhu H,Pan H,Li K,Bhutta ZA,Liu S,Li J

[Bifidobacterium bifidum Shows More Diversified Ways of Relieving Non-Alcoholic Fatty Liver Compared with Bifidobacterium adolescentis.](#)**Biomedicines , Volume: 10 Issue: 1 2021 Dec 31**

Authors Wang L,Jiao T,Yu Q,Wang J,Wang L,Wang G,Zhang H,Zhao J,Chen W

[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,Flüegel 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

[Yeast \$\beta\$ -Glucan Altered Intestinal Microbiome and Metabolome in Older Hens.](#)**Frontiers in microbiology , Volume: 12 2021**

Authors Zhen W,Liu Y,Shao Y,Ma Y,Wu Y,Guo F,Abbas W,Guo Y,Wang Z

[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

[Rhubarb Enema Decreases Circulating Trimethylamine N-Oxide Level and Improves Renal Fibrosis Accompanied With Gut Microbiota Change in Chronic Kidney Disease Rats.](#)**Frontiers in pharmacology , Volume: 12 2021**

Authors Ji C,Li Y,Mo Y,Lu Z,Lu F,Lin Q,Liu X,Zou C,Wu Y

[Effects of Berberine on Gut Microbiota in Patients with Mild Metabolic Disorders Induced by Olanzapine.](#)**The American journal of Chinese medicine , Volume: 49 Issue: 8 2021**

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

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

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

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

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

Saccharomyces boulardii Combined With Quadruple Therapy for *Helicobacter pylori* Eradication Decreased the Duration and Severity of Diarrhea: A Multi-Center Prospective Randomized Controlled Trial.

Frontiers in medicine , Volume: 8 2021

Authors Zhao Y,Yang Y,Aruna,Xiao J,Song J,Huang T,Li S,Kou J,Huang L, Ji D,Xiong S,Peng W,Xu S,Cheng B

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

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

Frontiers in nutrition , Volume: 8 2021

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

Lactobacillus rhamnosus Strain LRH05 Intervention Ameliorated Body Weight Gain and Adipose Inflammation via Modulating the Gut Microbiota in High-Fat Diet-Induced Obese Mice.

Molecular nutrition & food research , Volume: 66 Issue: 1 2022 Jan

Authors Chen YT,Chiou SY,Hsu AH,Lin YC,Lin JS

The anti-inflammatory effect of bacterial short chain fatty acids is partially mediated by endocannabinoids.

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

Authors Vijay A,Kouraki A,Gohir S,Turnbull J,Kelly A,Chapman V,Barrett DA,Bulsiewicz WJ,Valdes AM

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

Red ginseng has stronger anti-aging effects compared to ginseng possibly due to its regulation of oxidative stress and the gut microbiota.

Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 93 2021 Dec

Authors Peng X,Hao M,Zhao Y,Cai Y,Chen X,Chen H,Zhang Y,Dong L,Liu X,Ding C,Liu W,Yang M,Luo Y

Dietary supplementation of gingerols- and shogaols-enriched ginger root extract attenuate pain-associated behaviors while modulating gut microbiota and metabolites in rats with spinal nerve ligation.

The Journal of nutritional biochemistry , 2021 Nov 5

Authors Shen CL,Wang R, Ji G,Elmassry MM,Zabet-Moghaddam M,Vellers H,Hamood AN,Gong X,Mirzaei P,Sang S,Neugebauer V

Protective Effects of *Bacillus amyloliquefaciens* 40 Against *Clostridium perfringens* Infection in Mice.

Frontiers in nutrition , Volume: 8 2021

Authors Jiang Z,Li W,Su W,Wen C,Gong T,Zhang Y,Wang Y,Jin M,Lu Z

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

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

In vitro digestibility and prebiotic activities of a bioactive polysaccharide from *Moringa oleifera* leaves.**Journal of food biochemistry** , Volume: 45 Issue: 11 2021 Nov

Authors Li C,Zhou S,Fu X,Huang Q,Chen Q

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

Influences of Xylitol Consumption at Different Dosages on Intestinal Tissues and Gut Microbiota in Rats.**Journal of agricultural and food chemistry** , Volume: 69 Issue: 40 2021 Oct 13

Authors Zuo QL,Cai X,Zheng XY,Chen DS,Li M,Liu ZQ,Chen KQ,Han FF,Zhu X

A blend of 3 mushrooms dose-dependently increases butyrate production by the gut microbiota.**Beneficial microbes** , Volume: 12 Issue: 6 2021 Nov 16

Authors Verhoeven J,Keller D,Verbruggen S,Abboud KY,Venema K

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

The Gut Microbiota during a Behavioral Weight Loss Intervention.**Nutrients** , Volume: 13 Issue: 9 2021 Sep 18

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

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

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

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

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

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

Lactocaseibacillus paracasei NK112 mitigates *Escherichia coli*-induced depression and cognitive impairment in mice by regulating IL-6 expression and gut microbiota.**Beneficial microbes** , 2021 Sep 13

Authors Yun SW, Kim JK, Han MJ, Kim DH

Xanthohumol Requires the Intestinal Microbiota to Improve Glucose Metabolism in Diet-Induced Obese Mice.

Molecular nutrition & food research , Volume: 65 Issue: 21 2021 Nov

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

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

Microbiome , Volume: 9 Issue: 1 2021 Sep 7

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

Effects of Dietary Supplementation of Lactobacillus delbrueckii on Gut Microbiome and Intestinal Morphology in Weaned Piglets.

Frontiers in veterinary science , Volume: 8 2021

Authors Wang XL, Liu ZY, Li YH, Yang LY, Yin J, He JH, Hou DX, Liu YL, Huang XG

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

Berberine combined with stachyose improves glycometabolism and gut microbiota through regulating colonic microRNA and gene expression in diabetic rats.

Life sciences , Volume: 284 2021 Nov 1

Authors Li C, Cao H, Huan Y, Ji W, Liu S, Sun S, Liu Q, Lei L, Liu M, Gao X, Fu Y, Li P, Shen Z

Effects of Bacillus subtilis on jejunal integrity, redox status, and microbial composition of intrauterine growth restriction suckling piglets.

Journal of animal science , Volume: 99 Issue: 10 2021 Oct 1

Authors Yun Y, Ji S, Yu G, Jia P, Niu Y, Zhang H, Zhang X, Wang T, Zhang L

Lactobacillus paracasei S16 Alleviates Lumbar Disc Herniation by Modulating Inflammation Response and Gut Microbiota.

Frontiers in nutrition , Volume: 8 2021

Authors Wang Z, Wu H, Chen Y, Chen H, Wang X, Yuan W

The Protection of Lactiplantibacillus plantarum CCFM8661 Against Benzopyrene-Induced Toxicity via Regulation of the Gut Microbiota.

Frontiers in immunology , Volume: 12 2021

Authors Yu L, Zhang L, Duan H, Zhao R, Xiao Y, Guo M, Zhao J, Zhang H, Chen W, Tian F

Seaweed Dietary Fiber Sodium Alginate Suppresses the Migration of Colonic Inflammatory Monocytes and Diet-Induced Metabolic Syndrome via the Gut Microbiota.

Nutrients , Volume: 13 Issue: 8 2021 Aug 16

Authors Ejima R, Akiyama M, Sato H, Tomioka S, Yakabe K, Kimizuka T, Seki N, Fujimura Y, Hirayama A, Fukuda S, Hase K, Kim YG

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

Probiotic Lactobacilli Administration Induces Changes in the Fecal Microbiota of Preweaned Dairy Calves.

Probiotics and antimicrobial proteins , Volume: 14 Issue: 5 2022 Oct

Authors Fernández-Ciganda S, Fraga M, Zunino P

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

Frontiers in nutrition , Volume: 8 2021

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

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

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

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

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

Frontiers in immunology , Volume: 12 2021

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

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

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

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

Pectin and homogalacturonan with small molecular mass modulate microbial community and generate high SCFAs via in vitro gut fermentation.

Carbohydrate polymers , Volume: 269 2021 Oct 1

Authors Zhao Y,Bi J,Yi J,Wu X,Ma Y,Li R

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

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

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

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

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

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

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

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

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 Sadovnikova IS,Gureev AP,Ignatyeva DA,Gryaznova MV,Chernyshova EV,Krutsikh EP,Novikova AG,Popov VN

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

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

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

J,Ivanauskas L,Jakstas V,Stankevicius A

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

Nutrients , Volume: 13 Issue: 7 2021 Jun 27

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

Improvement of Metabolic Syndrome in High-Fat Diet-Induced Mice by Yeast β -Glucan Is Linked to Inhibited Proliferation of Lactobacillus and Lactococcus in Gut Microbiota.

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

Authors Chen G,Chen D,Zhou W,Peng Y,Chen C,Shen W,Zeng X,Yuan Q

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

PloS one , Volume: 16 Issue: 6 2021

Authors Jung TH,Han KS

Protective effect of Bifidobacterium bifidum FSDJN705 and Bifidobacterium breve FHNQ23M3 on diarrhea caused by enterotoxigenic Escherichia coli.

Food & function , Volume: 12 Issue: 16 2021 Aug 21

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

Sodium Alginate Modulates Immunity, Intestinal Mucosal Barrier Function, and Gut Microbiota in Cyclophosphamide-Induced Immunosuppressed BALB/c Mice.

Journal of agricultural and food chemistry , Volume: 69 Issue: 25 2021 Jun 30

Authors Huang J,Huang J,Li Y,Wang Y,Wang F,Qiu X,Liu X,Li H

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

Dietary resveratrol attenuation of intestinal inflammation and oxidative damage is linked to the alteration of gut microbiota and butyrate in piglets challenged with deoxynivalenol.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 16

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

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

Circadian disruption-induced metabolic syndrome in mice is ameliorated by oat β -glucan mediated by gut microbiota.

Carbohydrate polymers , Volume: 267 2021 Sep 1

Authors Cheng WY,Lam KL,Li X,Kong AP,Cheung PC

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

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

Effect of Lactocaseibacillus paracasei Strain Shirota on Improvement in Depressive Symptoms, and Its Association with Abundance of Actinobacteria in Gut Microbiota.

Microorganisms , Volume: 9 Issue: 5 2021 May 10

Authors Otaka M,Kikuchi-Hayakawa H,Ogura J,Ishikawa H,Yomogida Y,Ota M,Hidese S,Ishida I,Aida M,Matsuda K,Kawai M,Yoshida S,Kunugi H

A Tryptophan-Deficient Diet Induces Gut Microbiota Dysbiosis and Increases Systemic Inflammation in Aged Mice.

International journal of molecular sciences , Volume: 22 Issue: 9 2021 May 8

Authors Yusufu I,Ding K,Smith K,Wankhade UD,Sahay B,Patterson GT,Pacholczyk R,Adusumilli S,Hamrick MW,Hill WD,Isales CM,Fulzele S

The Efficacy of Short-Term Weight Loss Programs and Consumption of Natural Probiotic Bryndza Cheese on Gut Microbiota Composition in Women.

Nutrients , Volume: 13 Issue: 6 2021 May 21

Authors Hric I,Ugrayová S,Penesová A,Rádková Ž,Kubánová L,Šardžíková S,Baranovicová E,Klucár L,Beke G,Grendar M,Kolisek M,Šoltys K,Bielik V

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

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

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

Beneficial gut microbiome remodeled during intermittent fasting in humans.

Rejuvenation research , 2021 May 27

Authors Larrick JW,Mendelsohn AR,Larrick J

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

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

Combined use of epigallocatechin-3-gallate (EGCG) and caffeine in low doses exhibits marked anti-obesity synergy through regulation of gut microbiota and bile acid metabolism.

Food & function , Volume: 12 Issue: 9 2021 May 11

Authors Zhu MZ,Zhou F,Ouyang J,Wang QY,Li YL,Wu JL,Huang JA,Liu ZH

Effects of Bacillus Coagulans on growth performance, antioxidant capacity, immunity function, and gut health in broilers.

Poultry science , Volume: 100 Issue: 6 2021 Mar 27

Authors Zhang B,Zhang H,Yu Y,Zhang R,Wu Y,Yue M,Yang C

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

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

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

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

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

British journal of clinical pharmacology , 2021 Apr 27

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

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

A comprehensive review on the impact of β -glucan metabolism by Bacteroides and Bifidobacterium species as members of the gut microbiota.

International journal of biological macromolecules , Volume: 181 2021 Jun 30

Authors Fernandez-Julia PJ,Munoz-Munoz J,van Sinderen D

Berberine attenuates choline-induced atherosclerosis by inhibiting trimethylamine and trimethylamine-N-oxide production via manipulating the gut microbiome.

NPJ biofilms and microbiomes , Volume: 7 Issue: 1 2021 Apr 16

Authors Li X,Su C,Jiang Z,Yang Y,Zhang Y,Yang M,Zhang X,Du Y,Zhang J,Wang L,Jiang J,Hong B

Remodeling of the gut microbiome during Ramadan-associated intermittent fasting.

The American journal of clinical nutrition , Volume: 113 Issue: 5 2021 May 8

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

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

Value added immunoregulatory polysaccharides of Hericium erinaceus and their effect on the gut microbiota.

Carbohydrate polymers , Volume: 262 2021 Jun 15

Authors Yang Y, Ye H, Zhao C, Ren L, Wang C, Georgiev MI, Xiao J, Zhang T

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

Ingestion of High β -Glucan Barley Flour Enhances the Intestinal Immune System of Diet-Induced Obese Mice by Prebiotic Effects.

Nutrients , Volume: 13 Issue: 3 2021 Mar 11

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

Limosilactobacillus reuteri and Lactocaseibacillus 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

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

Chilean Rhubarb, Gunnera tinctoria (Molina) Mirb. (Gunneraceae): UHPLC-ESI-Orbitrap-MS Profiling of Aqueous Extract and its Anti-Helicobacter pylori Activity.

Frontiers in pharmacology , Volume: 11 2020

Authors Hebel-Gerber S, García-Cancino A, Urbina A, Simirgijotis MJ, Echeverría J, Bustamante-Salazar L, Sáez-Carrillo K, Alarcón J, Pastene-Navarrete E

Effects of Pretreatment with Bifidobacterium bifidum Using 16S Ribosomal RNA Gene Sequencing in a Mouse Model of Acute Colitis Induced by Dextran Sulfate Sodium.

Medical science monitor : international medical journal of experimental and clinical research , Volume: 27 2021 Mar 9

Authors Weng YJ, Jiang DX, Liang J, Ye SC, Tan WK, Yu CY, Zhou Y

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

Frontiers in microbiology , Volume: 12 2021

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

Effects of Bacillus pumilus on growth performance, immunological indicators and gut microbiota of mice.

Journal of animal physiology and animal nutrition , Volume: 105 Issue: 4 2021 Jul

Authors Zhang N, Wang L, Wei Y

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

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

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

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

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

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 Synbiotic Supplementation on Chronic Inflammation and the Gut Microbiota in Obese Patients with Type 2

Diabetes Mellitus: A Randomized Controlled Study.**Nutrients** , Volume: 13 Issue: 2 2021 Feb 8

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

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

Dietary intake of walnut prevented Helicobacter pylori-associated gastric cancer through rejuvenation of chronic atrophic gastritis.**Journal of clinical biochemistry and nutrition** , Volume: 68 Issue: 1 2021 Jan

Authors Park JM,Han YM,Park YJ,Hahm KB

Dietary Supplementation With Bacillus subtilis Promotes Growth and Gut Health of Weaned Piglets.**Frontiers in veterinary science** , Volume: 7 2020

Authors Tian Z,Wang X,Duan Y,Zhao Y,Zhang W,Azad MAK,Wang Z,Blachier F,Kong X

Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With Bacillus subtilis-Fermented Milk via Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.**Frontiers in microbiology** , Volume: 11 2020

Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R

Bacillus subtilis-fermented products ameliorate the growth performance and alter cecal microbiota community in broilers under lipopolysaccharide challenge.**Poultry science** , Volume: 100 Issue: 2 2021 Feb

Authors Chen JY,Yu YH

Effects of novel probiotic strains of Bacillus pumilus and Bacillus subtilis on production, gut health, and immunity of broiler chickens raised under suboptimal conditions.**Poultry science** , Volume: 100 Issue: 3 2021 Mar

Authors Bilal M,Si W,Barbe F,Chevaux E,Sienkiewicz O,Zhao X

Effect of Lactobacillus casei on lipid metabolism and intestinal microflora in patients with alcoholic liver injury.**European journal of clinical nutrition** , 2021 Jan 29

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

Potential mechanisms underlying the ameliorative effect of Lactobacillus paracasei FZU103 on the lipid metabolism in hyperlipidemic mice fed a high-fat diet.**Food research international (Ottawa, Ont.)** , Volume: 139 2021 Jan

Authors Lv XC,Chen M,Huang ZR,Guo WL,Ai LZ,Bai WD,Yu XD,Liu YL,Rao PF,Ni L

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

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

Influence of a Biotechnologically Produced Oyster Mushroom (Pleurotus sajor-caju) on the Gut Microbiota and Microbial Metabolites in Obese Zucker Rats.**Journal of agricultural and food chemistry** , Volume: 69 Issue: 5 2021 Feb 10

Authors Maheshwari G,Gessner DK,Neuhaus K,Most E,Zorn H,Eder K,Ringseis R

Berberine ameliorates ovariectomy-induced anxiety-like behaviors by enrichment in equol generating gut microbiota.**Pharmacological research** , Volume: 165 2021 Mar

Authors Fang Y,Zhang J,Zhu S,He M,Ma S,Jia Q,Sun Q,Song L,Wang Y,Duan L

Long-term diet quality is associated with gut microbiome diversity and composition among urban Chinese adults.**The American journal of clinical nutrition** , Volume: 113 Issue: 3 2021 Mar 11

Authors Yu D,Nguyen SM,Yang Y,Xu W,Cai H,Wu J,Cai Q,Long J,Zheng W,Shu XO

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

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

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

Beneficial microbes , 2021 Jan 4

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

[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

[Vitamin E delta-tocotrienol and metabolite 13'-carboxychromanol inhibit colitis-associated colon tumorigenesis and modulate gut microbiota in mice.](#)

The Journal of nutritional biochemistry , Volume: 89 2021 Mar

Authors Yang C,Zhao Y,Im S,Nakatsu C,Jones-Hall Y,Jiang Q

[Effect of *Bifidobacterium animalis* subsp. *lactis* MIN-Gup on constipation and the composition of gut microbiota.](#)

Beneficial microbes , 2020 Dec 14

Authors Wang R,Sun J,Li G,Zhang M,Niu T,Kang X,Zhao H,Chen J,Sun E,Li Y

[Administration of *Saccharomyces boulardii* maffio-1701 improves feed conversion ratio, promotes antioxidant capacity, alleviates intestinal inflammation and modulates gut microbiota in weaned piglets.](#)

Journal of animal science and biotechnology , Volume: 11 Issue: 1 2020 Dec 4

Authors Zhang W,Bao C,Wang J,Zang J,Cao Y

[Bacillus amyloliquefaciens TL106 protects mice against enterohaemorrhagic *Escherichia coli* O157:H7-induced intestinal disease through improving immune response, intestinal barrier function and gut microbiota.](#)

Journal of applied microbiology , Volume: 131 Issue: 1 2021 Jul

Authors Bao CL,Liu SZ,Shang ZD,Liu YJ,Wang J,Zhang WX,Dong B,Cao YH

[Berberine improves colitis by triggering AhR activation by microbial tryptophan catabolites.](#)

Pharmacological research , Volume: 164 2021 Feb

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

[Green tea leaf powder prevents dyslipidemia in high-fat diet-fed mice by modulating gut microbiota.](#)

Food & nutrition research , Volume: 64 2020

Authors Wang J,Li P,Liu S,Zhang B,Hu Y,Ma H,Wang S

[Modulation of gut microbiota and intestinal barrier function during alleviation of antibiotic-associated diarrhea with *Rhizoma Zingiber officinale* \(Ginger\) extract.](#)

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

Authors Ma ZJ,Wang HJ, Ma XJ, Li Y,Yang HJ, Li H, Su JR, Zhang CE, Huang LQ

[Yeast \$\beta\$ -glucan, a potential prebiotic, showed a similar probiotic activity to inulin.](#)

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

Authors Wang H,Chen G,Li X,Zheng F,Zeng X

[Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.](#)

European journal of nutrition , 2020 Nov 22

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

[Lactobacillus plantarum relieves diarrhea caused by enterotoxin-producing *Escherichia coli* through inflammation modulation and gut microbiota regulation.](#)

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

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

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

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

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

[Minor Changes in the Composition and Function of the Gut Microbiota During a 12-Week Whole Grain Wheat or Refined Wheat Intervention Correlate with Liver Fat in Overweight and Obese Adults.](#)

The Journal of nutrition , Volume: 151 Issue: 3 2021 Mar 11

Authors van Trijp MPH,Schutte S,Esser D,Wopereis S,Hoevenaars FPM,Hooiveld GJEJ,Afman LA

[\[Influence of *Lactobacillus reuteri* SLO01 on intestinal microbiota in AD model mice and C57BL/6 mice\].](#)

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 Paytuví-Gallart A,Sanseverino W,Winger AM

[Chicory ameliorates hyperuricemia via modulating gut microbiota and alleviating LPS/TLR4 axis in quail.](#)

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

Authors Bian M,Wang J,Wang Y,Nie A,Zhu C,Sun Z,Zhou Z,Zhang B

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

Journal of microbiology and biotechnology , 2020 Oct 20

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

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

Poultry science , Volume: 99 Issue: 11 2020 Nov

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

Randomized trial assessing impact of probiotic supplementation on gut microbiome and clinical outcome from targeted therapy in metastatic renal cell carcinoma.

Cancer medicine , Volume: 10 Issue: 1 2021 Jan

Authors Dizman N,Hsu J,Bergerot PG,Gillece JD,Folkerts M,Reining L,Trent J,Highlander SK,Pal SK

Assessing the Effects of Ginger Extract on Polyphenol Profiles and the Subsequent Impact on the Fecal Microbiota by Simulating Digestion and Fermentation In Vitro.

Nutrients , Volume: 12 Issue: 10 2020 Oct 19

Authors Wang J,Chen Y,Hu X,Feng F,Cai L,Chen F

A Holistic View of Berberine Inhibiting Intestinal Carcinogenesis in Conventional Mice Based on Microbiome-Metabolomics Analysis.

Frontiers in immunology , Volume: 11 2020

Authors Chen H,Zhang F,Zhang J,Zhang X,Guo Y,Yao Q

Distinct Effects of Milks From Various Animal Types on Infant Fecal Microbiota Through in vitro Fermentations.

Frontiers in microbiology , Volume: 11 2020

Authors Li N,Li B,Guan J,Shi J,Evvie SE,Zhao L,Huo G,Wang S

Dietary Epigallocatechin-3-Gallate Alters the Gut Microbiota of Obese Diabetic db/db Mice: Lactobacillus Is a Putative Target.

Journal of medicinal food , Volume: 23 Issue: 10 2020 Oct

Authors Park JM,Shin Y,Kim SH,Jin M,Choi JJ

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

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

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

Effect of Combined Live Probiotics Alleviating the Gastrointestinal Symptoms of Functional Bowel Disorders.

Gastroenterology research and practice , Volume: 2020 2020

Authors Shi J,Gao F,Zhang J

Dietary supplementation of Bacillus subtilis PB6 improves sow reproductive performance and reduces piglet birth intervals.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 6 Issue: 3 2020 Sep

Authors Zhang Q,Li J,Cao M,Li Y,Zhuo Y,Fang Z,Che L,Xu S,Feng B,Lin Y,Jiang X,Zhao X,Wu D

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

Highland Barley Whole Grain (Hordeum vulgare L.) Ameliorates Hyperlipidemia by Modulating Cecal Microbiota, miRNAs, and AMPK Pathways in Leptin Receptor-Deficient db/db Mice.

Journal of agricultural and food chemistry , Volume: 68 Issue: 42 2020 Oct 21

Authors Deng N,He Z,Guo R,Zheng B,Li T,Liu RH

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

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

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

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

Modifications of Gut Microbiota after Grape Pomace Supplementation in Subjects at Cardiometabolic Risk: A Randomized

Cross-Over Controlled Clinical Trial.**Foods (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 11**

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

Cultural isolation of spore-forming bacteria in human feces using bile acids.**Scientific reports , Volume: 10 Issue: 1 2020 Sep 14**

Authors Tanaka M,Onizuka S,Mishima R,Nakayama 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

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

What we already know about rhubarb: a comprehensive review.**Chinese medicine , Volume: 15 2020**

Authors Xiang H,Zuo J,Guo F,Dong D

Reciprocal Interactions between Epigallocatechin-3-gallate (EGCG) and Human Gut Microbiota In Vitro.**Journal of agricultural and food chemistry , Volume: 68 Issue: 36 2020 Sep 9**

Authors Liu Z,de Bruijn WJC,Bruins ME,Vincken JP

Melatonin Alleviates Neuroinflammation and Metabolic Disorder in DSS-Induced Depression Rats.**Oxidative medicine and cellular longevity , Volume: 2020 2020**

Authors Lv WJ,Liu C,Yu LZ,Zhou JH,Li Y,Xiong Y,Guo A,Chao LM,Qu Q,Wei GW,Tang XG,Yin YL,Guo SN

Modulation of gut microbiota mediates berberine-induced expansion of immuno-suppressive cells to against alcoholic liver disease.**Clinical and translational medicine , Volume: 10 Issue: 4 2020 Aug**

Authors Li S,Wang N,Tan HY,Chuang F,Zhang ZJ,Yuen MF,Feng Y

Combined Use of Bacillus subtilis yb-114,246 and Bacillus licheniformis yb-214,245 Improves Body Growth Performance of Chinese Huainan Partridge Shank Chickens by Enhancing Intestinal Digestive Profiles.**Probiotics and antimicrobial proteins , Volume: 13 Issue: 2 2021 Apr**

Authors Yang J,Huang K,Wang J,Wu D,Liu Z,Yu P,Wei Z,Chen F

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

Relationship between the Quality of Colostrum and the Formation of Microflora in the Digestive Tract of Calves.**Animals : an open access journal from MDPI , Volume: 10 Issue: 8 2020 Jul 29**

Authors Puppel K,Golebiewski M,Konopka K,Kunowska-Słószarz M,Słószarz J,Grodzowski G,Przysucha T,Balcerak M,Madras-Majewska B,Sakowski T

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

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

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

Melatonin in the colon modulates intestinal microbiota in response to stress and sleep deprivation.**Intestinal research** , Volume: 18 Issue: 3 2020 Jul

Authors Park YS,Kim SH,Park JW,Kho Y,Seok PR,Shin JH,Choi YJ,Jun JH,Jung HC,Kim EK

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

Yeast β -glucan alleviates cognitive deficit by regulating gut microbiota and metabolites in A β (1)-(42)-induced AD-like mice.**International journal of biological macromolecules** , Volume: 161 2020 Oct 15

Authors Xu M,Mo X,Huang H,Chen X,Liu H,Peng Z,Chen L,Rong S,Yang W,Xu S,Liu L

Protective mechanism of rhubarb anthraquinone glycosides in rats with cerebral ischaemia-reperfusion injury: interactions between medicine and intestinal flora.**Chinese medicine** , Volume: 15 2020

Authors Li Q,Guo Y,Yu X,Liu W,Zhou L

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

Auxiliary antitumor effects of fungal proteins from Hericium erinaceus by target on the gut microbiota.**Journal of food science** , Volume: 85 Issue: 6 2020 Jun

Authors Wang D,Zhu X,Tang X,Li H,Yizhen X,Chen D

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

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPAR α signal pathway and gut microbiota.**Applied microbiology and biotechnology** , Volume: 104 Issue: 13 2020 Jul

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

Antimicrobial Efficacy of Five Probiotic Strains Against Helicobacter pylori.**Antibiotics (Basel, Switzerland)** , Volume: 9 Issue: 5 2020 May 11

Authors Saracino IM,Pavoni M,Saccomanno L,Fiorini G,Pesci V,Foschi C,Piccirilli G,Bernardini G,Holton J,Figura N,Lazzarotto T,Borghi C,Vaira B

Green tea polyphenols boost gut-microbiota-dependent mitochondrial TCA and urea cycles in Sprague-Dawley rats.**The Journal of nutritional biochemistry** , Volume: 81 2020 Jul

Authors Zhou J,Tang L,Shen CL,Wang JS

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

Administration of Bifidobacterium bifidum CGMCC 15068 modulates gut microbiota and metabolome in azoxymethane (AOM)/dextran sulphate sodium (DSS)-induced colitis-associated colon cancer (CAC) in mice.**Applied microbiology and biotechnology** , Volume: 104 Issue: 13 2020 Jul

Authors Wang Q,Wang K,Wu W,Lv L,Bian X,Yang L,Wang Q,Li Y,Ye J,Fang D,Wu J,Jiang X,Xie J,Lu Y,Li L

Lactobacillus paracasei subsp. *paracasei* NTU 101 lyophilized powder improves loperamide-induced constipation in rats.**Heliyon** , Volume: 6 Issue: 4 2020 Apr

Authors Chen CL,Chao SH,Pan TM

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

Alleviating effects of noni fruit polysaccharide on hepatic oxidative stress and inflammation in rats under a high-fat diet and its possible mechanisms.**Food & function** , Volume: 11 Issue: 4 2020 Apr 30

Authors Yang X,Mo W,Zheng C,Li W,Tang J,Wu X

Comparison of the prebiotic properties of native chicory and synthetic inulins using swine fecal cultures.**Bioscience, biotechnology, and biochemistry** , Volume: 84 Issue: 7 2020 Jul

Authors Nakayama Y,Kawasaki N,Tamiya T,Anzai S,Toyohara K,Nishiyama A,Kitazono E

Modulation of Pectin on Mucosal Innate Immune Function in Pigs Mediated by Gut Microbiota.**Microorganisms** , Volume: 8 Issue: 4 2020 Apr 8

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

Regulatory effects of Lactobacillus plantarum HY7714 on skin health by improving intestinal condition.**PloS one** , Volume: 15 Issue: 4 2020

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

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

Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE^{-/-} Mice.**Frontiers in pharmacology** , Volume: 11 2020

Authors Wu M,Yang S,Wang S,Cao Y,Zhao R,Li X,Xing Y,Liu L

The effects of daily fasting hours on shaping gut microbiota in mice.**BMC microbiology** , Volume: 20 Issue: 1 2020 Mar 24

Authors Li L,Su Y,Li F,Wang Y,Ma Z,Li Z,Su J

The Prophylactic Use of Bovine Colostrum in a Murine Model of TNBS-Induced Colitis.**Animals : an open access journal from MDPI** , Volume: 10 Issue: 3 2020 Mar 15

Authors Menchetti L,Curone G,Filipescu IE,Barbato O,Leonardi L,Guelfi G,Traina G,Casagrande-Proietti P,Riva F,Casano AB,Piro F,Vigo D,Quattrone A,Brecchia G

Utilization of xylan-type polysaccharides in co-culture fermentations of Bifidobacterium and Bacteroides species.**Carbohydrate polymers** , Volume: 236 2020 May 15

Authors Zeybek N,Rastall RA,Buyukkileci AO

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

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

Effects of whole-grain wheat, rye, and lignan supplementation on cardiometabolic risk factors in men with metabolic syndrome: a randomized crossover trial.**The American journal of clinical nutrition** , Volume: 111 Issue: 4 2020 Apr 1

Authors Eriksen AK,Brunius C,Mazidi M,Hellström PM,Risérus U,Iversen KN,Fristedt R,Sun L,Huang Y,Nørskov NP,Knudsen KEB,Kyrø C,Olsen A,Tjønneland A,Dicksved J,Landberg R

Structural changes in gut microbiome after Ramadan fasting: a pilot study.**Beneficial microbes** , Volume: 11 Issue: 3 2020 May 11

Authors Ozkul C,Yalinay M,Karakan T

Effect of berberine on spleen transcriptome and gut microbiota composition in experimental autoimmune uveitis.**International immunopharmacology** , Volume: 81 2020 Apr

Authors Du Z,Wang Q,Huang X,Yi S,Mei S,Yuan G,Su G,Cao Q,Zhou C,Wang Y,Kijlstra A,Yang P

Structure characterization of soluble dietary fiber fractions from mushroom Lentinula edodes (Berk.) Pegler and the effects

[on fermentation and human gut microbiota in vitro.](#)

Food research international (Ottawa, Ont.) , Volume: 129 2020 Mar

Authors Xue Z, Ma Q, Chen Y, Lu Y, Wang Y, Jia Y, Zhang M, Chen H

[Effect of wheat bran derived prebiotic supplementation on gastrointestinal transit, gut microbiota, and metabolic health: a randomized controlled trial in healthy adults with a slow gut transit.](#)

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

Authors Müller M, Hermes GDA, Emanuel E C, Holst JJ, Zoetendal EG, Smidt H, Troost F, Schaap FG, Damink SO, Jocken JWE, Lenaerts K, Masclee AAM, Blaak EE

[Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.](#)

Nutrients , Volume: 12 Issue: 1 2020 Jan 17

Authors Aljahdali N, Gadonna-Widehem P, Anton PM, Carbonero F

[In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.](#)

Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb

Authors Henrique-Bana FC, Wang X, Costa GN, Spinosa WA, Miglioranza LHS, Scorletti E, Calder PC, Byrne CD, Gibson GR

[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

[Food for thought about manipulating gut bacteria.](#)

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM, Bindels LB

[Islamic fasting leads to an increased abundance of Akkermansia muciniphila and Bacteroides fragilis group: A preliminary study on intermittent fasting.](#)

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 30 Issue: 12 2019 Dec

Authors Özkul C, Yalinay M, Karakan T

[Walnuts and Vegetable Oils Containing Oleic Acid Differentially Affect the Gut Microbiota and Associations with Cardiovascular Risk Factors: Follow-up of a Randomized, Controlled, Feeding Trial in Adults at Risk for Cardiovascular Disease.](#)

The Journal of nutrition , Volume: 150 Issue: 4 2020 Apr 1

Authors Tindall AM, McLimans CJ, Petersen KS, Kris-Etherton PM, Lamendella R

[Chronic oral exposure to glycated whey proteins increases survival of aged male NOD mice with autoimmune prostatitis by regulating the gut microbiome and anti-inflammatory responses.](#)

Food & function , Volume: 11 Issue: 1 2020 Jan 29

Authors Chen Y, Guo KM, Nagy T, Guo TL

[Tryptophan Metabolism: A Link Between the Gut Microbiota and Brain.](#)

Advances in nutrition (Bethesda, Md.) , Volume: 11 Issue: 3 2020 May 1

Authors Gao K, Mu CL, Farzi A, Zhu WY

[Changes in human gut microbiota composition are linked to the energy metabolic switch during 10 d of Buchinger fasting.](#)

Journal of nutritional science , Volume: 8 2019

Authors Mesnage R, Grundle F, Schwietz A, Le Maho Y, Wilhelmi de Toledo F

[Improvements in Metabolic Syndrome by Xanthohumol Derivatives Are Linked to Altered Gut Microbiota and Bile Acid Metabolism.](#)

Molecular nutrition & food research , Volume: 64 Issue: 1 2020 Jan

Authors Zhang Y, Bobe G, Revel JS, Rodrigues RR, Sharpton TJ, Fantacone ML, Raslan K, Miranda CL, Lowry MB, Blakemore PR, Morgun A, Shulzhenko N, Maier CS, Stevens JF, Gombart AF

[Japanese Diet Score Is Associated with Gut Microbiota Composition in Young Japanese Adults.](#)

Journal of nutritional science and vitaminology , Volume: 65 Issue: 5 2019

Authors Seura T, Fukuwatari T

[Dietary intervention using \(1,3\)/\(1,6\)-β-glucan, a fungus-derived soluble prebiotic ameliorates high-fat diet-induced metabolic distress and alters beneficially the gut microbiota in mice model.](#)

European journal of nutrition , Volume: 59 Issue: 6 2020 Sep

Authors Muthuramalingam K, Singh V, Choi C, Choi SI, Kim YM, Unno T, Cho M

[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 Garcia-Mantrana I,Calatayud M,Romo-Vaquero M,Espín JC,Selma MV,Collado MC

Role of the Gut Microbiota and Their Metabolites in Modulating the Cholesterol-Lowering Effects of Citrus Pectin Oligosaccharides in C57BL/6 Mice.

Journal of agricultural and food chemistry , Volume: 67 Issue: 43 2019 Oct 30

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

Effects of grape pomace and seed polyphenol extracts on the recovery of gut microbiota after antibiotic treatment in high-fat diet-fed mice.

Food science & nutrition , Volume: 7 Issue: 9 2019 Sep

Authors Lu F,Liu F,Zhou Q,Hu X,Zhang Y

An examination of data from the American Gut Project reveals that the dominance of the genus Bifidobacterium is associated with the diversity and robustness of the gut microbiota.

MicrobiologyOpen , Volume: 8 Issue: 12 2019 Dec

Authors Feng Y,Duan Y,Xu Z,Lyu N,Liu F,Liang S,Zhu B

Bacillus coagulans R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs.

Environmental pollution (Barking, Essex : 1987) , Volume: 255 Issue: Pt 2 2019 Sep 13

Authors Xing SC,Huang CB,Mi JD,Wu YB,Liao XD

Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.

Scientific reports , Volume: 9 Issue: 1 2019 Sep 16

Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M

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

Raw Bowl Tea (Tuocha) Polyphenol Prevention of Nonalcoholic Fatty Liver Disease by Regulating Intestinal Function in Mice.

Biomolecules , Volume: 9 Issue: 9 2019 Sep 1

Authors Liu B,Zhang J,Sun P,Yi R,Han X,Zhao X

Modulation effect of Lactobacillus acidophilus KLDS 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,Löyttyniemi E,Salminen S,Nuutila P,Kalliokoski KK,Hannukainen JC

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

A Purified Anthraquinone-Glycoside Preparation From Rhubarb Ameliorates Type 2 Diabetes Mellitus by Modulating the Gut Microbiota and Reducing Inflammation.

Frontiers in microbiology , Volume: 10 2019

Authors Cui HX,Zhang LS,Luo Y,Yuan K,Huang ZY,Guo Y

Walnuts and Vegetable Oils Differentially Affect the Gut Microbiome and Associations with Cardiovascular Risk Factors (OR29-06-19).

Current developments in nutrition , Volume: 3 Issue: Suppl 1 2019 Jun

Authors Tindall A,McLimans C,Petersen K,Kris-Etherton P,Lamendella R

Effects of a formula with a probiotic Bifidobacterium lactis Supplement on the gut microbiota of low birth weight infants.

European journal of nutrition , Volume: 59 Issue: 4 2020 Jun

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in <i>Citrobacter rodentium</i>-Infected Mice.

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

Effects of a Lactulose-Rich Diet on Fecal Microbiome and Metabolome in Pregnant Mice.

Journal of agricultural and food chemistry , Volume: 67 Issue: 27 2019 Jul 10

Authors Zhang Z,Chen X,Zhao J,Tian C,Wei X,Li H,Lin W,Jiang A,Feng R,Yuan J,Zhao X

Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10

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

Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10

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

The role of short-chain fatty acids in microbiota-gut-brain communication.

Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug

Authors Dalile B, Van Oudenhove L, Vervliet B, Verbeke K

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

A study of the prebiotic effect of lactulose at low dosages in healthy Japanese women.

Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019

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

Bacillus subtilis Strain DSM 29784 Modulates the Cecal Microbiome, Concentration of Short-Chain Fatty Acids, and Apparent Retention of Dietary Components in Shaver White Chickens during Grower, Developer, and Laying Phases.

Applied and environmental microbiology , Volume: 85 Issue: 14 2019 Jul 15

Authors Neijat M,Habtewold J,Shirley RB,Welsher A,Barton J,Thiery P,Kiarie E

Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.

PloS one , Volume: 14 Issue: 5 2019

Authors Miljkovic M,Jovanovic S,O'Connor PM,Mirkovic N,Jovicic B,Filipic B,Dinic M,Studholme DJ,Fira D,Cotter PD,Kojic M

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,Deschasaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium

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 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

Beneficial effects of ginger on prevention of obesity through modulation of gut microbiota in mice.

European journal of nutrition , Volume: 59 Issue: 2 2020 Mar

Authors Wang J,Wang P,Li D,Hu X,Chen F

Targeting the Gut Microbiota to Investigate the Mechanism of Lactulose in Negating the Effects of a High-Salt Diet on Hypertension.

Molecular nutrition & food research , Volume: 63 Issue: 11 2019 Jun

Authors Zhang Z,Zhao J,Tian C,Chen X,Li H,Wei X,Lin W,Zheng N,Jiang A,Feng R,Yuan J,Zhao X

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

Effects of Sweeteners on the Gut Microbiota: A Review of Experimental Studies and Clinical Trials.

Advances in nutrition (Bethesda, Md.) , Volume: 10 Issue: suppl_1 2019 Jan 1

Authors Ruiz-Ojeda FJ,Plaza-Díaz J,Sáez-Lara MJ,Gil A

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

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

Probiotic *Lactobacillus johnsonii* BS15 Promotes Growth Performance, Intestinal Immunity, and Gut Microbiota in Piglets.

Probiotics and antimicrobial proteins , Volume: 12 Issue: 1 2020 Mar

Authors Xin J,Zeng D,Wang H,Sun N,Zhao Y,Dan Y,Pan K,Jing B,Ni X

Effects of short-term endurance exercise on gut microbiota in elderly men.

Physiological reports , Volume: 6 Issue: 23 2018 Dec

Authors Taniguchi H,Tanisawa K,Sun X,Kubo T,Hoshino Y,Hosokawa M,Takeyama H,Higuchi M

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

Stability of vitamin B12 with the protection of whey proteins and their effects on the gut microbiome.

Food chemistry , Volume: 276 2019 Mar 15

Authors Wang H,Shou Y,Zhu X,Xu Y,Shi L,Xiang S,Feng X,Han J

Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development.

Anaerobe , Volume: 55 2019 Feb

Authors Velikonja A,Lipoglavšek L,Zorec M,Orel R,Avguštin G

Effect of *Bacillus subtilis* C-3102 on bone mineral density in healthy postmenopausal Japanese women: a randomized, placebo-controlled, double-blind clinical trial.

Bioscience of microbiota, food and health , Volume: 37 Issue: 4 2018

Authors Takimoto T,Hatanaka M,Hoshino T,Takara T,Tanaka K,Shimizu A,Morita H,Nakamura T

Simultaneous Supplementation of *Bacillus subtilis* and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

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

Anti-inflammatory effects of Kaempferol on *Helicobacter pylori*-induced inflammation.

Bioscience, biotechnology, and biochemistry , Volume: 83 Issue: 1 2019 Jan

Authors Yeon MJ,Lee MH,Kim DH,Yang JY,Woo HJ,Kwon HJ,Moon C,Kim SH,Kim JB

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

Melatonin reprogramming of gut microbiota improves lipid dysmetabolism in high-fat diet-fed mice.

Journal of pineal research , Volume: 65 Issue: 4 2018 Nov

Authors Yin J,Li Y,Han H,Chen S,Gao J,Liu G,Wu X,Deng J,Yu Q,Huang X,Fang R,Li T,Reiter RJ,Zhang D,Zhu C,Zhu G,Ren W,Yin Y

The Effects of Berberine on the Gut Microbiota in Apc ^{+/+} Mice Fed with a High Fat Diet.

Molecules (Basel, Switzerland) , Volume: 23 Issue: 9 2018 Sep 8

Authors Wang H,Guan L,Li J,Lai M,Wen X

Investigating of Moringa Oleifera Role on Gut Microbiota Composition and Inflammation Associated with Obesity Following High Fat Diet Feeding.

Open access Macedonian journal of medical sciences , Volume: 6 Issue: 8 2018 Aug 20

Authors Elabd EMY,Morsy SM,Elmalt HA

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

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

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

Chicory Roots for Prebiotics and Appetite Regulation: A Pilot Study in Mice.

Journal of agricultural and food chemistry , Volume: 66 Issue: 25 2018 Jun 27

Authors Fouré M,Dugardin C,Foligné B,Hance P,Cadalen T,Delcourt A,Taminiau B,Daube G,Ravallec R,Cudennec B,Hilbert JL,Lucau-Danila A

Identification of Phenolic Compounds-Rich Grape Pomace Extracts Urine Metabolites and Correlation with Gut Microbiota Modulation.

Antioxidants (Basel, Switzerland) , Volume: 7 Issue: 6 2018 Jun 4

Authors Chacar S,Tarighi M,Fares N,Faivre JF,Louka N,Maroun RG

Green Tea Liquid Consumption Alters the Human Intestinal and Oral Microbiome.

Molecular nutrition & food research , Volume: 62 Issue: 12 2018 Jun

Authors Yuan X,Long Y,ji Z,Gao J,Fu T,Yan M,Zhang L,Su H,Zhang W,Wen X,Pu Z,Chen H,Wang Y,Gu X,Yan B,Kaliannan K,Shao Z

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

Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57BL/6J mice.

MicrobiologyOpen , Volume: 7 Issue: 6 2018 Dec

Authors Zhai S,Zhu L,Qin S,Li L

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

Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.

Nutrition & diabetes , Volume: 8 Issue: 1 2018 Mar 7

Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM

Xylan supplement improves 1,3-propanediol fermentation by Clostridium butyricum.

Journal of bioscience and bioengineering , 2018 Mar 10

Authors Apiwatanapiwat W,Vaithanomsat P,Thanapase W,Ratanakhanokchai K,Kosugi 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

Enhancing syntrophic associations among Clostridium butyricum, Syntrophomonas and two types of methanogen by zero valent iron in an anaerobic assay with a high organic loading.

Bioresource technology , Volume: 257 2018 Jun

Authors Kong X,Yu S,Fang W,Liu J,Li H

A Walnut-Enriched Diet Affects Gut Microbiome in Healthy Caucasian Subjects: A Randomized, Controlled Trial.

Nutrients , Volume: 10 Issue: 2 2018 Feb 22

Authors Bamberger C,Rossmeyer A,Lechner K,Wu L,Waldmann E,Fischer S,Stark RG,Altenhofer J,Henze K,Parhofer KG

Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.

Food & function , Volume: 9 Issue: 3 2018 Mar 1

Authors Zartl B,Silberbauer K,Loeppert R,Viernstein H,Praznik W,Mueller M

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

Daily intake of broccoli sprouts normalizes bowel habits in human healthy subjects.

Journal of clinical biochemistry and nutrition , Volume: 62 Issue: 1 2018 Jan

Authors Yanaka A

The modulatory effect of polyphenols from green tea, oolong tea and black tea on human intestinal microbiota in vitro.

Journal of food science and technology , Volume: 55 Issue: 1 2018 Jan

Authors Sun H,Chen Y,Cheng M,Zhang X,Zheng X,Zhang Z

The Relationship between Habitual Dietary Intake and Gut Microbiota in Young Japanese Women.

Journal of nutritional science and vitaminology , Volume: 63 Issue: 6 2017

Authors Seura T,Yoshino Y,Fukuwatari T

Rhubarb Supplementation Promotes Intestinal Mucosal Innate Immune Homeostasis through Modulating Intestinal Epithelial Microbiota in Goat Kids.

Journal of agricultural and food chemistry , Volume: 66 Issue: 4 2018 Jan 31

Authors Jiao J,Wu J,Wang M,Zhou C,Zhong R,Tan Z

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

Impact of genistein on the gut microbiome of humanized mice and its role in breast tumor inhibition.

PloS one , Volume: 12 Issue: 12 2017

Authors Paul B,Royston KJ,Li Y,Stoll ML,Skibola CF,Wilson LS,Barnes S,Morrow CD,Tollefsbol TO

Prebiotic Dietary Fiber and Gut Health: Comparing the in Vitro Fermentations of Beta-Glucan, Inulin and Xylooligosaccharide.

Nutrients , Volume: 9 Issue: 12 2017 Dec 15

Authors Carlson JL,Erickson JM,Hess JM,Gould TJ,Slavin JL

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

Probiotics in 14-day triple therapy for Asian pediatric patients with Helicobacter pylori infection: a network meta-analysis.

Oncotarget , Volume: 8 Issue: 56 2017 Nov 10

Authors Wen J,Peng P,Chen P,Zeng L,Pan Q,Wei W,He J

[Amelioration of Intestinal Barrier Dysfunction by Berberine in the Treatment of Nonalcoholic Fatty Liver Disease in Rats.](#)

Pharmacognosy magazine , Volume: 13 Issue: 52 2017 Oct-Dec

Authors Li D,Zheng J,Hu Y,Hou H,Hao S,Liu N,Wang Y

[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

[Extracts from Hericium erinaceus relieve inflammatory bowel disease by regulating immunity and gut microbiota.](#)

Oncotarget , Volume: 8 Issue: 49 2017 Oct 17

Authors Diling C,Xin Y,Chaoqun Z,Jian Y,Xiaocui T,Jun C,Ou S,Yizhen X

[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

[Blockade of CB1 cannabinoid receptor alters gut microbiota and attenuates inflammation and diet-induced obesity.](#)

Scientific reports , Volume: 7 Issue: 1 2017 Nov 15

Authors Mehrpouya-Bahrami P,Chitralla KN,Ganewatta MS,Tang C,Murphy EA,Enos RT,Velazquez KT,McCellan J,Nagarkatti M,Nagarkatti P

[The green tea modulates large intestinal microbiome and exo/endogenous metabolome altered through chronic UVB-exposure.](#)

PloS one , Volume: 12 Issue: 11 2017

Authors Jung ES,Park HM,Hyun SM,Shon JC,Singh D,Liu KH,Whon TW,Bae JW,Hwang JS,Lee CH

[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

[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

[Dietary soy, meat, and fish proteins modulate the effects of prebiotic raffinose on composition and fermentation of gut microbiota in rats.](#)

International journal of food sciences and nutrition , Volume: 69 Issue: 4 2018 Jun

Authors Bai G,Tsuruta T,Nishino N

[Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs.](#)

The Journal of nutrition , Volume: 147 Issue: 11 2017 Nov

Authors Foulse JM,Gänzle MG,Beattie AD,Vasanthan T,Zijlstra RT

[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,Guillbot A,Brochot A,Gérard P,Bäckhed F,Cani PD

Lactobacillus plantarum LP-Only alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.

Molecular medicine reports , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

Consumption of an acid protease derived from *Aspergillus oryzae* causes bifidogenic effect in rats.

Nutrition research (New York, N.Y.) , Volume: 44 2017 Aug

Authors Yang Y,Iwamoto A,Kumrungsee T,Okazaki Y,Kuroda M,Yamaguchi S,Kato N

Beef, Chicken, and Soy Proteins in Diets Induce Different Gut Microbiota and Metabolites in Rats.

Frontiers in microbiology , Volume: 8 2017

Authors Zhu Y,Shi X,Lin X,Ye K,Xu X,Li C,Zhou G

Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.

Food & function , Volume: 8 Issue: 9 2017 Sep 20

Authors Wang G,Li X,Zhao J,Zhang H,Chen W

Disruption in the cecal microbiota of chickens challenged with *Clostridium perfringens* and other factors was alleviated by *Bacillus licheniformis* supplementation.

PloS one , Volume: 12 Issue: 8 2017

Authors Lin Y,Xu S,Zeng D,Ni X,Zhou M,Zeng Y,Wang H,Zhou Y,Zhu H,Pan K,Li G

Specific Signatures of the Gut Microbiota and Increased Levels of Butyrate in Children Treated with Fermented Cow's Milk Containing Heat-Killed *Lactobacillus paracasei* CBA L74.

Applied and environmental microbiology , Volume: 83 Issue: 19 2017 Oct 1

Authors Berni Canani R,De Filippis F,Nocerino R,Laiola M,Paparo L,Calignano A,De Caro C,Coretti L,Chiariotti L,Gilbert JA,Ercolini D

Dose-Dependent Prebiotic Effect of Lactulose in a Computer-Controlled In Vitro Model of the Human Large Intestine.

Nutrients , Volume: 9 Issue: 7 2017 Jul 18

Authors Bothe MK,Maathuis AJH,Bellmann S,van der Vossen JMBM,Berressem D,Koehler A,Schwejda-Guettes S,Gaigg B,Kuchinka-Koch A,Stover JF

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

Immunomodulatory Activities of a Fungal Protein Extracted from *Herichium erinaceus* through Regulating the Gut Microbiota.

Frontiers in immunology , Volume: 8 2017

Authors Diling C,Chaoqun Z,Jian Y,Jian L,Jiyan S,Yizhen X,Guoxiao L

Effect of Soy Isoflavones on Growth of Representative Bacterial Species from the Human Gut.

Nutrients , Volume: 9 Issue: 7 2017 Jul 8

Authors Vázquez L,Flórez AB,Guadamuro L,Mayo B

Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.

Journal of food science , Volume: 82 Issue: 8 2017 Aug

Authors Lu QY,Summanen PH,Lee RP,Huang J,Henning SM,Heber D,Finegold SM,Li Z

Lactobacillus johnsonii N6.2 Modulates the Host Immune Responses: A Double-Blind, Randomized Trial in Healthy Adults.

Frontiers in immunology , Volume: 8 2017

Authors Marcial GE,Ford AL,Haller MJ,Gezan SA,Harrison NA,Cai D,Meyer JL,Perry DJ,Atkinson MA,Wasserfall CH,Garrett T,Gonzalez CF,Brusko TM,Dahl WJ,Lorca GL

Live Probiotic *Lactobacillus johnsonii* BS15 Promotes Growth Performance and Lowers Fat Deposition by Improving Lipid Metabolism, Intestinal Development, and Gut Microflora in Broilers.

Frontiers in microbiology , Volume: 8 2017

Authors Wang H,Ni X,Qing X,Zeng D,Luo M,Liu L,Li G,Pan K,Jing B

In vitro modulation of gut microbiota by whey protein to preserve intestinal health.

Food & function , Volume: 8 Issue: 9 2017 Sep 20

Authors Sánchez-Moya T,López-Nicolás R,Planes D,González-Bermúdez CA,Ros-Berrueto G,Frontela-Saseta C

The effects of the *Lactobacillus casei* strain on obesity in children: a pilot study.

Beneficial microbes , Volume: 8 Issue: 4 2017 Aug 24

Authors Nagata S,Chiba Y,Wang C,Yamashiro Y

Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome.

Environmental microbiology , Volume: 19 Issue: 8 2017 Aug

Authors De Paepe K,Kerckhof FM,Verspreet J,Courtin CM, Van de Wiele T

Probiotic yogurt and acidified milk similarly reduce postprandial inflammation and both alter the gut microbiota of healthy, young men.

The British journal of nutrition , Volume: 117 Issue: 9 2017 May

Authors Burton KJ,Rosikiewicz M,Pimentel G,Bütikofer U,von Ah U,Voirol MJ,Croxatto A,Aeby S,Drai J,McTernan PG,Greub G,Pralong FP,Vergères G,Vionnet N

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

Effect of dietary supplementation with *Lactobacillus acidophilus* D2/CSL (CECT 4529) on caecum microbioma and productive performance in broiler chickens.

PloS one , Volume: 12 Issue: 5 2017

Authors De Cesare A,Sirri F,Manfreda G,Moniaci P,Giardini A,Zampiga M,Meluzzi A

Effect of *Bacillus subtilis* and *Bacillus licheniformis* supplementation in diets with low- and high-protein content on ileal crude protein and amino acid digestibility and intestinal microbiota composition of growing pigs.

Journal of animal science and biotechnology , Volume: 8 2017

Authors Kaewtapee C,Burbach K,Tomforde G,Hartinger T,Camarinha-Silva A,Heinritz S,Seifert J,Wiltafsky M,Mosenthin R,Rosenfelder-Kuon P

Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.

Molecular medicine reports , Volume: 15 Issue: 5 2017 May

Authors Xu JH,Liu XZ,Pan W,Zou DJ

Effect of a probiotic beverage consumption (*Enterococcus faecium* CRL 183 and *Bifidobacterium longum* ATCC 15707) in rats with chemically induced colitis.

PloS one , Volume: 12 Issue: 4 2017

Authors Celiberto LS,Bedani R,Dejani NN,Ivo de Medeiros A,Sampaio Zuanon JA,Spolidorio LC,Tallarico Adorno MA,Amâncio Varesche MB,Carrilho Galvão F,Valentini SR,Font de Valdez G,Rossi EA,Cavallini DCU

Influence of diet on the gut microbiome and implications for human health.

Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

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,Madslien EH,Murphy NE,Castellani JW,Gundersen Y,Hoke AV,Levangie MW,Kumar R,Chakraborty N,Gautam A,Hammamieh R,Martini S,Mountain SJ,Pasiakos SM

Consumption of a diet rich in Brassica vegetables is associated with a reduced abundance of sulphate-reducing bacteria: A randomised crossover study.

Molecular nutrition & food research , Volume: 61 Issue: 9 2017 Sep

Authors Kellingray L,Tapp HS,Saha S,Doleman JF,Narbad A,Mithen RF

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

In vitro fermentation of oat β -glucan and hydrolysates by fecal microbiota and selected probiotic strains.

Journal of the science of food and agriculture , Volume: 97 Issue: 12 2017 Sep

Authors Dong JL,Yu X,Dong LE,Shen RL

The effect of soymilk intake on the fecal microbiota, particularly *Bifidobacterium* species, and intestinal environment of healthy adults: a pilot study.

Bioscience of microbiota, food and health , Volume: 36 Issue: 1 2017

Authors Fujisawa T, Ohashi Y, Shin R, Narai-Kanayama A, Nakagaki T

Changes in Metabolically Active Bacterial Community during Rumen Development, and Their Alteration by Rhubarb Root Powder Revealed by 16S rRNA Amplicon Sequencing.

Frontiers in microbiology , Volume: 8 2017

Authors Wang Z, Elekwachi C, Jiao J, Wang M, Tang S, Zhou C, Tan Z, Forster RJ

Specific inulin-type fructan fibers protect against autoimmune diabetes by modulating gut immunity, barrier function, and microbiota homeostasis.

Molecular nutrition & food research , Volume: 61 Issue: 8 2017 Aug

Authors Chen K, Chen H, Faas MM, de Haan BJ, Li J, Xiao P, Zhang H, Diana J, de Vos P, Sun J

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

Melatonin prevents obesity through modulation of gut microbiota in mice.

Journal of pineal research , Volume: 62 Issue: 4 2017 May

Authors Xu P, Wang J, Hong F, Wang S, Jin X, Xue T, Jia L, Zhai Y

Characterization of faecal microbial communities of dairy cows fed diets containing ensiled Moringa oleifera fodder.

Scientific reports , Volume: 7 2017 Jan 30

Authors Sun J, Zeng B, Chen Z, Yan S, Huang W, Sun B, He Q, Chen X, Chen T, Jiang Q, Xi Q, Zhang Y

Epigallocatechin gallate induces a hepatospecific decrease in the CYP3A expression level by altering intestinal flora.

European journal of pharmaceutical sciences : official journal of the European Federation for Pharmaceutical Sciences , Volume: 100 2017 Mar 30

Authors Ikarashi N, Ogawa S, Hirobe R, Kon R, Kusunoki Y, Yamashita M, Mizukami N, Kaneko M, Wakui N, Machida Y, Sugiyama K

A metagenomic study of the preventive effect of Lactobacillus rhamnosus GG on intestinal polyp formation in Apc^{Min/+} mice.

Journal of applied microbiology , Volume: 122 Issue: 3 2017 Mar

Authors Ni Y, Wong VH, Tai WC, Li J, Wong WY, Lee MM, Fong FL, El-Nezami H, Panagiotou G

Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.

Diabetes , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM, Kim TT, Denou E, Soltys CM, Hamza SM, Byrne NJ, Masson G, Park H, Wishart DS, Madsen KL, Schertzer JD, Dyck JR

Breaking the resistance of Escherichia coli: Antimicrobial activity of Berberis lycium Royle.

Microbial pathogenesis , Volume: 102 2017 Jan

Authors Malik TA, Kamili AN, Chishti MZ, Ahad S, Tantry MA, Hussain PR, Johri RK

Prebiotic potential of L-sorbose and xylitol in promoting the growth and metabolic activity of specific butyrate-producing bacteria in human fecal culture.

FEMS microbiology ecology , Volume: 93 Issue: 1 2017 Jan

Authors Sato T, Kusuvara S, Yokoi W, Ito M, Miyazaki K

Soy and Gut Microbiota: Interaction and Implication for Human Health.

Journal of agricultural and food chemistry , Volume: 64 Issue: 46 2016 Nov 23

Authors Huang H, Krishnan HB, Pham Q, Yu LL, Wang TT

Nutritional Correlates of Human Oral Microbiome.

Journal of the American College of Nutrition , Volume: 36 Issue: 2 2017 Feb

Authors Kato I, Vasquez A, Moyerbrailean G, Land S, Djuric Z, Sun J, Lin HS, Ram JL

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

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

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

Insights from 100 Years of Research with Probiotic E. Coli

European Journal of Microbiology & Immunology , Volume: 6 Issue: 3 2016 Sep 29

Authors Wassenaar TM

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

Effect of Chicory-derived Inulin on Abdominal Sensations and Bowel Motor Function.

Journal of clinical gastroenterology , Volume: 51 Issue: 7 2017 Aug

Authors Azpiroz F, Molne L, Mendez S, Nieto A, Manichanh C, Mego M, Accarino A, Santos J, Sailer M, Theis S, Guarner F

Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.

Journal of periodontology , Volume: 88 Issue: 2 2017 Feb

Authors Oliveira LF,Salvador SL,Silva PH,Furlaneto FA,Figueiredo L,Casarin R,Ervolino E,Palioto DB,Souza SL,Taba M Jr,Novaes AB Jr,Messora MR

[Chronic rhein treatment improves recognition memory in high-fat diet-induced obese male mice.](#)

The Journal of nutritional biochemistry , Volume: 36 2016 Oct

Authors Wang S,Huang XF,Zhang P,Wang H,Zhang Q,Yu S,Yu Y

[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

[Integrative analysis of metabolome and gut microbiota in diet-induced hyperlipidemic rats treated with berberine compounds.](#)

Journal of translational medicine , Volume: 14 Issue: 1 2016 Aug 5

Authors Li M,Shu X,Xu H,Zhang C,Yang L,Zhang L, Ji G

[Consumption of a *Bifidobacterium bifidum* Strain for 4 Weeks Modulates Dominant Intestinal Bacterial Taxa and Fecal Butyrate in Healthy Adults.](#)

Applied and environmental microbiology , Volume: 82 Issue: 19 2016 Oct 1

Authors Gargari G,Taverniti V,Balzaretti S,Ferrario C,Gardana C,Simonetti P,Guglielmetti S

[Supplementation with fruit and okara soybean by-products and amaranth flour increases the folate production by starter and probiotic cultures.](#)

International journal of food microbiology , Volume: 236 2016 Nov 7

Authors Albuquerque MA,Bedani R,Vieira AD,LeBlanc JG,Saad SM

[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

[Intestinal-borne dermatoses significantly improved by oral application of *Escherichia coli* Nissle 1917.](#)

World journal of gastroenterology , Volume: 22 Issue: 23 2016 Jun 21

Authors Manzhali E,Hornuss D,Stremmel W

[Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with *Lactobacillus plantarum* ZDY2013.](#)

Journal of dairy science , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

[Molecular Properties of Guar Gum and Pectin Modify Cecal Bile Acids, Microbiota, and Plasma Lipopolysaccharide-Binding Protein in Rats.](#)

PloS one , Volume: 11 Issue: 6 2016

Authors Ghaffarzadegan T,Marungu N,Fåk F,Nyman M

[Significant pharmacokinetic differences of berberine are attributable to variations in gut microbiota between Africans and Chinese.](#)

Scientific reports , Volume: 6 2016 Jun 10

Authors Alolga RN,Fan Y,Chen Z,Liu LW,Zhao YJ,Li J,Chen Y,Lai MD,Li P,Qi LW

[In Vivo Effects of Tea Polyphenol Intake on Human Intestinal Microflora and Metabolism.](#)

Bioscience, biotechnology, and biochemistry , Volume: 56 Issue: 4 1992 Jan

Authors Okubo T,Ishihara N,Oura A,Serit M,Kim M,Yamamoto T,Mitsuoka T

[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

[Survey of the Antibiofilm and Antimicrobial Effects of *Zingiber officinale* \(in Vitro Study\).](#)

Jundishapur journal of microbiology , Volume: 9 Issue: 2 2016 Feb

Authors Aghazadeh M,Zahedi Bialvaei A,Aghazadeh M,Kabiri F,Saliani N,Yousefi M,Eslami H,Samadi Kafil H

[Lactobacillus rhamnosus GG Intake Modifies Preschool Children`s Intestinal Microbiota, Alleviates Penicillin-Associated Changes, and Reduces Antibiotic Use.](#)

PloS one , Volume: 11 Issue: 4 2016

Authors Korpela K,Salonen A,Virta LJ,Kumpu M,Kekkonen RA,de Vos WM

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

The intestinal microbiota of piglets fed with wheat bran variants as characterised by 16S rRNA next-generation amplicon sequencing.

Archives of animal nutrition , Volume: 70 Issue: 3 2016

Authors Kraler M, Ghanbari M, Domig KJ, Schedle K, Kneifel W

Antimicrobial activities of six essential oils commonly used as condiments in Brazil against Clostridium perfringens.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 47 Issue: 2 2016 Apr-Jun

Authors Radaelli M, da Silva BP, Weidlich L, Hoehne L, Flach A, da Costa LA, Ethur EM

In vitro extraction and fermentation of polyphenols from grape seeds (Vitis vinifera) by human intestinal microbiota.

Food & function , Volume: 7 Issue: 4 2016 Apr

Authors Zhou L, Wang W, Huang J, Ding Y, Pan Z, Zhao Y, Zhang R, Hu B, Zeng X

Effect of Wheat Dietary Fiber Particle Size during Digestion In Vitro on Bile Acid, Faecal Bacteria and Short-Chain Fatty Acid Content.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 71 Issue: 2 2016 Jun

Authors Dziedzic K, Szewiel A, Górecka D, Gujska E, Kaczkowska J, Drozdzyńska A, Walkowiak J

Modulation of Gut Microbiota by Berberine Improves Steatohepatitis in High-Fat Diet-Fed BALB/C Mice.

Archives of Iranian medicine , Volume: 19 Issue: 3 2016 Mar

Authors Cao Y, Pan Q, Cai W, Shen F, Chen GY, Xu LM, Fan JG

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.

Food & function , Volume: 7 Issue: 3 2016 Mar

Authors Xie JH, Fan ST, Nie SP, Yu Q, Xiong T, Gong D, Xie MY

High Molecular Weight Barley β -Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.

Frontiers in microbiology , Volume: 7 2016

Authors Wang Y, Ames NP, Tun HM, Tosh SM, Jones PJ, Khafipour E

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, Lagkourdos I, Walker A, Lucio M, Michalke B, Schmitt-Kopplin P, Fedorak R, Haller D

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

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

Fecal microbiome of growing pigs fed a cereal based diet including chicory (Cichorium intybus L.) or ribwort (Plantago lanceolata L.) forage.

Journal of animal science and biotechnology , Volume: 6 2015

Authors Dicksved J, Jansson JK, Lindberg JE

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

Prevention of Diet-Induced Obesity Effects on Body Weight and Gut Microbiota in Mice Treated Chronically with Δ^9 -Tetrahydrocannabinol.

PloS one , Volume: 10 Issue: 12 2015

Authors Cluny NL, Keenan CM, Reimer RA, Le Foll B, Sharkey KA

Influence of vitamin C and E supplementation on the eradication rates of triple and quadruple eradication regimens for *Helicobacter pylori* infection.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 26 Issue: 6 2015 Nov

Authors Demirci H, Uygun Ilikhan S, Öztürk K, Üstündag Y, Kurt Ö, Bilici M, Köktürk F, Uygun A

Intestinal Microbiota Profiles of Healthy Pre-School and School-Age Children and Effects of Probiotic Supplementation.

Annals of nutrition & metabolism , Volume: 67 Issue: 4 2015

Authors Wang C, Nagata S, Asahara T, Yuki N, Matsuda K, Tsuji H, Takahashi T, Nomoto K, Yamashiro Y

Membrane filter method to study the effects of *Lactobacillus acidophilus* and *Bifidobacterium longum* on fecal microbiota.

Microbiology and immunology , Volume: 59 Issue: 11 2015 Nov

Authors Shimizu H, Benno Y

Effect of *Bacillus subtilis* CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.

Journal of applied microbiology , Volume: 120 Issue: 1 2016 Jan

Authors Li Y, Xu Q, Huang Z, Lv L, Liu X, Yin C, Yan H, Yuan J

Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects.

Food & function , Volume: 7 Issue: 1 2016 Jan

Authors Cuervo A, Hevia A, López P, Suárez A, Díaz C, Sánchez B, Margolles A, González S

Stability of saliva microbiota during moderate consumption of red wine.

Archives of oral biology , Volume: 60 Issue: 12 2015 Dec

Authors Barroso E, Martín V, Martínez-Cuesta MC, Peláez C, Requena T

[Effect of probiotic product containing bifidobacteria and biogel from brown algae on the intestinal microflora and parameters of innate immunity in mice with experimental drug dysbacteriosis].

Voprosy pitaniia , Volume: 84 Issue: 1 2015

Authors Kuznetsova TA, Makarenkova ID, Koneva EL, Aminina NM, Yakush EV

Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats.

Scientific reports , Volume: 5 2015 Sep 23

Authors Zhang X, Zhao Y, Xu J, Xue Z, Zhang M, Pang X, Zhang X, Zhao L

Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.

The ISME journal , Volume: 10 Issue: 3 2016 Mar

Authors Berni Canani R, Sangwan N, Stefa 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

Influence of diet and spiramycin on *Actinomyces viscosus*-associated experimental periodontitis.

Newsletter (International Academy of Periodontology) , Volume: 2 Issue: 1 1992 Mar

Authors Keyes PH, Rams TE, Jordan HV

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

Equol status and changes in fecal microbiota in menopausal women receiving long-term treatment for menopause symptoms with a soy-isoflavone concentrate.

Frontiers in microbiology , Volume: 6 2015

Authors Guadamuro L, Delgado S, Redruello B, Flórez AB, Suárez A, Martínez-Camblor P, Mayo B

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

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 situ identification and quantification of starch-hydrolyzing bacteria attached to barley and corn grain in the rumen of cows fed barley-based diets.

FEMS microbiology ecology , Volume: 91 Issue: 8 2015 Aug

Authors Xia Y,Kong Y,Seviour R,Yang HE,Forster R,Vasanthan T,McAllister T

[Bacillus coagulans GBI-30, 6086 Modulates Faecalibacterium prausnitzii in Older Men and Women.](#)

The Journal of nutrition , Volume: 145 Issue: 7 2015 Jul

Authors Nyangale EP,Farmer S,Cash HA,Keller D,Chernoff D,Gibson GR

[Oral Microbiota Shift after 12-Week Supplementation with Lactobacillus reuteri DSM 17938 and PTA 5289; A Randomized Control Trial.](#)

PloS one , Volume: 10 Issue: 5 2015

Authors Romani Vestman N,Chen T,Lif Holgersson P,Öhman C,Johansson I

[Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.](#)

The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi , Volume: 65 Issue: 4 2015 Apr

Authors Shadnough M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M

[Inhibitory effects of emodin, baicalin, schizandrin and berberine on hefA gene: treatment of Helicobacter pylori-induced multidrug resistance.](#)

World journal of gastroenterology , Volume: 21 Issue: 14 2015 Apr 14

Authors Huang YQ,Huang GR,Wu MH,Tang HY,Huang ZS,Zhou XH,Yu WQ,Su JW,Mo XQ,Chen BP,Zhao LJ,Huang XF,Wei HY,Wei LD

[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,Marung'rang N,Fåk F,Nyman M

[Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.](#)

Food chemistry , Volume: 183 2015 Sep 15

Authors Sánchez-Patán F,Barroso E,van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta MC,Peláez C,Requena T,Bartolomé B

[Increased gut microbiota diversity and abundance of Faecalibacterium prausnitzii and Akkermansia after fasting: a pilot study.](#)

Wiener klinische Wochenschrift , Volume: 127 Issue: 9-10 2015 May

Authors Remely M,Hippe B,Geretschlaeger I,Stegmayer S,Hoefinger I,Haslberger A

[Reshaping faecal gut microbiota composition by the intake of trans-resveratrol and quercetin in high-fat sucrose diet-fed rats.](#)

The Journal of nutritional biochemistry , Volume: 26 Issue: 6 2015 Jun

Authors Etxeberria U,Arias N,Boqué N,Macarulla MT,Portillo MP,Martínez JA,Milagro FI

[Red wine consumption is associated with fecal microbiota and malondialdehyde in a human population.](#)

Journal of the American College of Nutrition , Volume: 34 Issue: 2 2015

Authors Cuervo A,Reyes-Gavilán CG,Ruas-Madiedo P,Lopez P,Suarez A,Gueimonde M,González S

[Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.](#)

Nutrients , Volume: 7 Issue: 2 2015 Feb 16

Authors Sheflin AM,Borresen EC,Wdowik MJ,Rao S,Brown RJ,Heuberger AL,Broeckling CD,Weir TL,Ryan EP

[The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.](#)

Beneficial microbes , Volume: 6 Issue: 4 2015

Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

[Noni \(Morinda citrifolia L.\) Fruit Extracts Improve Colon Microflora and Exert Anti-Inflammatory Activities in Caco-2 Cells.](#)

Journal of medicinal food , Volume: 18 Issue: 6 2015 Jun

Authors Huang HL,Liu CT,Chou MC,Ko CH,Wang CK

[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

[Lentinula edodes-derived polysaccharide alters the spatial structure of gut microbiota in mice.](#)

PloS one , Volume: 10 Issue: 1 2015

Authors Xu X,Zhang X

[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

Antimicrobial Effect of Lactobacillus reuteri on Cariogenic Bacteria Streptococcus gordonii, Streptococcus mutans, and Periodontal Diseases Actinomyces naeslundii and Tannerella forsythia.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 1 2015 Mar

Authors Baca-Castañón ML,De la Garza-Ramos MA,Alcázar-Pizaña AG,Grondin Y,Coronado-Mendoza A,Sánchez-Najera RI,Cárdenas-Estrada E,Medina-De la Garza CE,Escamilla-García E

Effect of Lactobacillus rhamnosus 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

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

Assessment of Bioautography and Spot Screening of TLC of Green Tea (Camellia) Plant Extracts as Antibacterial and Antioxidant Agents

Indian Journal of Pharmaceutical Sciences , Volume: 76 Issue: 4 2014 Jul-Aug

Authors Bashir S,Khan BM,Babar M,Andleeb S,Hafeez M,Ali S,Khan MF

Active dry Saccharomyces cerevisiae can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.

Journal of dairy science , Volume: 97 Issue: 12 2014 Dec

Authors AlZahal O,Dionissopoulos L,Laarman AH,Walker N,McBride BW

[Chicory extract's influence on gut bacteria of abdominal obesity rat].

Zhongguo Zhong yao za zhi = Zhongguo zhongyao zazhi = China journal of Chinese materia medica , Volume: 39 Issue: 11 2014 Jun

Authors Sun BY,Zhang B,Lin ZJ,Li LY,Wang HP,Zhou J

Effect of Bacillus subtilis C-3102 spores as a probiotic feed supplement on growth performance, noxious gas emission, and intestinal microflora in broilers.

Poultry science , Volume: 93 Issue: 12 2014 Dec

Authors Jeong JS,Kim IH

Dietary supplementation with soybean oligosaccharides increases short-chain fatty acids but decreases protein-derived catabolites in the intestinal luminal content of weaned Huanjiang mini-piglets.

Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep

Authors Zhou XL,Kong XF,Lian GQ,Blachier F,Geng MM,Yin YL

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

Xylan utilization in human gut commensal bacteria is orchestrated by unique modular organization of polysaccharide-degrading enzymes.

Proceedings of the National Academy of Sciences of the United States of America , Volume: 111 Issue: 35 2014 Sep 2

Authors Zhang M,Chekan JR,Dodd D,Hong PY,Radlinski L,Revindran V,Nair SK,Mackie RI,Cann I

Synbiotic Lactobacillus acidophilus NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial.

FEMS microbiology ecology , Volume: 90 Issue: 1 2014 Oct

Authors van Zanten GC,Krych L,Röytiö H,Forssten S,Lahtinen SJ,Abu Al-Soud W,Sørensen S,Svensson B,Jespersen L,Jakobsen M

Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW,Pinchak WE,Dowd S,Dorton K,Yoon I,Min BR,Fulford JD,Wickersham TA,Malinowski DP

Coexpression and secretion of endoglucanase and phytase genes in Lactobacillus reuteri.

International journal of molecular sciences , Volume: 15 Issue: 7 2014 Jul 21

Authors Wang L,Yang Y,Cai B,Cao P,Yang M,Chen Y

Effect of Feeding Bacillus subtilis natto on Hindgut Fermentation and Microbiota of Holstein Dairy Cows.

Asian-Australasian journal of animal sciences , Volume: 27 Issue: 4 2014 Apr

Authors Song DJ,Kang HY,Wang JQ,Peng H,Bu DP

Cereal byproducts have prebiotic potential in mice fed a high-fat diet.

Journal of agricultural and food chemistry , Volume: 62 Issue: 32 2014 Aug 13

Authors Berger K,Falck P,Linninge C,Nilsson U,Axling U,Grey C,Stålbrand H,Nordberg Karlsson E,Nyman M,Holm C,Adlercreutz P

High levels of Bifidobacteria are associated with increased levels of anthocyanin microbial metabolites: a randomized clinical trial.

Food & function , Volume: 5 Issue: 8 2014 Aug

Authors Boto-Ordóñez M,Urpi-Sarda M,Queipo-Ortuño MI,Tulipani S,Tinahones FJ,Andres-Lacueva C

Effects of diet on gut microbiota profile and the implications for health and disease.

Bioscience of microbiota, food and health , Volume: 32 Issue: 1 2013

Authors Lee YK

Analysis of interaction property of calycosin-7-O-β-D-glucoside with human gut microbiota.

Journal of chromatography. B, Analytical technologies in the biomedical and life sciences , Volume: 963 2014 Jul 15

Authors Zhang W,Jiang S,Qian D,Shang EX,Duan JA

Effects of probiotics on the growth performance and intestinal micro flora of broiler chickens.

Pakistan journal of pharmaceutical sciences , Volume: 27 Issue: 3 Suppl 2014 May

Authors Li YB,Xu QQ,Yang CJ,Yang X,Lv L,Yin CH,Liu XL,Yan H

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

Bile acids and the gut microbiome.

Current opinion in gastroenterology , Volume: 30 Issue: 3 2014 May

Authors Ridlon JM, Kang DJ, Hylemon PB, Bajaj JS

Role of F1C fimbriae, flagella, and secreted bacterial components in the inhibitory effect of probiotic Escherichia coli Nissle 1917 on atypical enteropathogenic E. coli infection.

Infection and immunity , Volume: 82 Issue: 5 2014 May

Authors Kleita S, Nordhoff M, Tedin K, Wieler LH, Kolenda R, Oswald S, Oelschlaeger TA, Bleiss W, Schierack P

Multiple effects of Escherichia coli Nissle 1917 on growth, biofilm formation, and inflammation cytokines profile of Clostridium perfringens type A strain CP4.

Pathogens and disease , Volume: 70 Issue: 3 2014 Apr

Authors Jiang Y, Kong Q, Roland KL, Wolf A, Curtiss R 3rd

Antiadhesion and anti-inflammation effects of noni (Morinda citrifolia) fruit extracts on AGS cells during Helicobacter pylori infection.

Journal of agricultural and food chemistry , Volume: 62 Issue: 11 2014 Mar 19

Authors Huang HL, Ko CH, Yan YY, Wang CK

Effect of growth supplements and whey pretreatment on butyric acid production by Clostridium butyricum.

World journal of microbiology & biotechnology , Volume: 11 Issue: 3 1995 May

Authors Vandák D, Tomáška M, Zígová J, Sturdík E

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

Comparative evaluation of the activity of plant infusions against Helicobacter pylori strains by three methods.

World journal of microbiology & biotechnology , Volume: 30 Issue: 5 2014 May

Authors Boyanova L

Effect of Lactobacillus acidophilus and Bifidobacterium bifidum supplementation to standard triple therapy on Helicobacter pylori eradication and dynamic changes in intestinal flora.

World journal of microbiology & biotechnology , Volume: 30 Issue: 3 2014 Mar

Authors Wang YH,Huang Y

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

Evaluation of bean and soy tempeh influence on intestinal bacteria and estimation of antibacterial properties of bean tempeh.

Polish journal of microbiology , Volume: 62 Issue: 2 2013

Authors Kuligowski M,Jasinska-Kuligowska I,Nowak J

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

[Food value of cichorium intybus].

Voprosy pitaniia , Volume: 82 Issue: 2 2013

Authors Luzina EV

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

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,Martinez 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

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

Fiber and prebiotics: mechanisms and health benefits.

Nutrients , Volume: 5 Issue: 4 2013 Apr 22

Authors Slavin J

Effect of acute and chronic red wine consumption on lipopolysaccharide concentrations.

The American journal of clinical nutrition , Volume: 97 Issue: 5 2013 May

Authors Clemente-Postigo M,Queipo-Ortuño MI,Boto-Ordoñez M,Coin-Aragüez L,Roca-Rodríguez MM,Delgado-Lista J,Cardona F,Andrés-Lacueva C,Tinahones FJ

In vitro anti-Helicobacter pylori effects of medicinal mushroom extracts, with special emphasis on the Lion's Mane mushroom, Hericium erinaceus (higher Basidiomycetes).

International journal of medicinal mushrooms , Volume: 15 Issue: 2 2013

Authors Shang X,Tan Q,Liu R,Yu K,Li P,Zhao GP

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

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 \$\beta\$ -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 green tea consumption on human fecal microbiota with special reference to Bifidobacterium species.](#)

Microbiology and immunology , Volume: 56 Issue: 11 2012 Nov

Authors Jin JS, Touyama M, Hisada T, Benno Y

[Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.](#)

Journal of dairy science , Volume: 95 Issue: 9 2012 Sep

Authors Wang S, Zhu H, Lu C, Kang Z, Luo Y, Feng L, Lu X

[Consumption of different soymilk formulations differentially affects the gut microbiomes of overweight and obese men.](#)

Gut microbes , Volume: 3 Issue: 6 2012 Nov-Dec

Authors Fernandez-Radales D, Hoeflinger JL, Bringe NA, Cox SB, Dowd SE, Miller MJ, Gonzalez de Mejia E

[Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.](#)

PloS one , Volume: 7 Issue: 8 2012

Authors Zhang X, Zhao Y, Zhang M, Pang X, Xu J, Kang C, Li M, Zhang C, Zhang Z, Zhang Y, Li X, Ning G, Zhao L

[Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.](#)

FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan

Authors Dostal A, Fehlbauer S, Chassard C, Zimmermann MB, Lacroix C

[Green tea increases the survival yield of Bifidobacteria in simulated gastrointestinal environment and during refrigerated conditions.](#)

Chemistry Central journal , Volume: 6 Issue: 1 2012 Jun 22

Authors Vodnar DC, Socaciu C

[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

[Grape antioxidant dietary fiber stimulates Lactobacillus growth in rat cecum.](#)

Journal of food science , Volume: 77 Issue: 2 2012 Feb

Authors Pozuelo MJ, Agis-Torres A, Hervet-Hernández D, Elvira López-Oliva M, Muñoz-Martínez E, Rotger R, Goñi I

[Influence of dietary blueberry and broccoli on cecal microbiota activity and colon morphology in mdr1a\(-/-\) mice, a model of inflammatory bowel diseases.](#)

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 28 Issue: 3 2012 Mar

Authors Paturi G, Mandimika T, Butts CA, Zhu S, Roy NC, McNabb WC, Ansell J

[Effects of non-fermented and fermented soybean milk intake on faecal microbiota and faecal metabolites in humans.](#)

International journal of food sciences and nutrition , Volume: 63 Issue: 4 2012 Jun

Authors Inoguchi S, Ohashi Y, Narai-Kanayama A, Aso K, Nakagaki T, Fujisawa T

[The effect of probiotics on faecal microbiota and genotoxic activity of faecal water in patients with atopic dermatitis: a randomized, placebo-controlled study.](#)

Clinical nutrition (Edinburgh, Scotland) , Volume: 31 Issue: 1 2012 Feb

Authors Roessler A, Forssten SD, Gleis M, Ouwehand AC, Jahreis G

[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

[Influence of a probiotic soy product on fecal microbiota and its association with cardiovascular risk factors in an animal model.](#)

Lipids in health and disease , Volume: 10 2011 Jul 29

Authors Cavallini DC, Suzuki JY, Abdalla DS, Vendramini RC, Pauly-Silveira ND, Roselino MN, Pinto RA, Rossi EA

[Effect of liquid whey feeding on fecal microbiota of mature and growing pigs.](#)

Animal science journal = Nihon chikusan Gakkaiho , Volume: 82 Issue: 4 2011 Aug

Authors Kobayashi Y, Ito A, Miyawaki K, Koike S, Iwabuchi O, Iimura Y, Kobashi Y, Kawashima T, Wakamatsu J, Hattori A, Murakami H, Morimatsu F, Nakaebisu T, Hishinuma T

[Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.](#)

Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C

Prebiotics: germinated barley foodstuff for the prevention of colitis-associated colon cancer?

Journal of gastroenterology and hepatology , Volume: 26 Issue: 8 2011 Aug

Authors Koh SJ,Kim JS

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

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

Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.

Molecules (Basel, Switzerland) , Volume: 15 Issue: 11 2010 Oct 27

Authors Sokovic M,Glamoclija J,Marin PD,Brkic D,van Griensven LJ

The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote d'Ivoire.

The American journal of clinical nutrition , Volume: 92 Issue: 6 2010 Dec

Authors Zimmermann MB,Chassard C,Rohner F,N'goran EK,Nindjin C,Dostal A,Utzinger J,Ghattas H,Lacroix C,Hurrell RF

[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

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

In vitro evaluation of the microbiota modulation abilities of different sized whole oat grain flakes.

Anaerobe , Volume: 16 Issue: 5 2010 Oct

Authors Connolly ML,Lovegrove JA,Tuohy KM

Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.

Journal of animal science , Volume: 88 Issue: 9 2010 Sep

Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr

Feed supplementation of Lactobacillus plantarum PCA 236 modulates gut microbiota and milk fatty acid composition in dairy goats—a preliminary study.

International journal of food microbiology , Volume: 141 Suppl 1 2010 Jul 31

Authors Maragkoudakis PA,Mountzouris KC,Rosu C,Zoumpopoulou G,Papadimitriou K,Dalaka E,Hadjipetrou A,Theofanous G,Strozzi GP,Carlini N,Zervas G,Tsakalidou E

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

Probiotic potential of noni juice fermented with lactic acid bacteria and bifidobacteria.

International journal of food sciences and nutrition , Volume: 60 Suppl 6 2009

Authors Wang CY,Ng CC,Su H,Tzeng WS,Shyu YT

Characterization and antimicrobial spectrum of bacteriocins produced by lactic acid bacteria isolated from traditional Bulgarian dairy products.

Journal of applied microbiology , Volume: 106 Issue: 2 2009 Feb

Authors Simova ED,Beshkova DB,Dimitrov ZHP

Probiotic E. coli treatment mediates antimicrobial human beta-defensin synthesis and fecal excretion in humans.

Mucosal immunology , Volume: 2 Issue: 2 2009 Mar

Authors Möndel M,Schroeder BO,Zimmermann K,Huber H,Nuding S,Beisner J,Fellermann K,Stange EF,Wehkamp J

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

In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.

FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun

Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA

Baseline microbiota activity and initial bifidobacteria counts influence responses to prebiotic dosing in healthy subjects.

Alimentary pharmacology & therapeutics , Volume: 27 Issue: 6 2008 Mar 15

Authors de Preter V,Vanhoutte T,Huys G,Swings J,Rutgeerts P,Verbeke K

Inhibitory effect of Gram-negative and Gram-positive microorganisms against Helicobacter pylori clinical isolates.

The Journal of antimicrobial chemotherapy , Volume: 61 Issue: 1 2008 Jan

Authors López-Brea M,Alarcón T,Domingo D,Díaz-Regañón J

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

Are probiotics detectable in human feces after oral uptake by healthy volunteers?

Wiener klinische Wochenschrift , Volume: 119 Issue: 15-16 2007

Authors Prilassnig M,Wenisch C,Daxboeck F,Feierl G

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

Echinacea purpurea supplementation stimulates select groups of human gastrointestinal tract microbiota.

Journal of clinical pharmacy and therapeutics , Volume: 31 Issue: 6 2006 Dec

Authors Hill LL,Foote JC,Erickson BD,Cerniglia CE,Denny GS

Effects of Bifidobacterium lactis Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.

Journal of clinical microbiology , Volume: 44 Issue: 11 2006 Nov

Authors Mohan R,Koebnick C,Schildt J,Schmidt S,Mueller M,Possner M,Radke M,Blaut M

Molecular monitoring of the fecal microbiota of healthy human subjects during administration of lactulose and Saccharomyces boulardii.

Applied and environmental microbiology , Volume: 72 Issue: 9 2006 Sep

Authors Vanhoutte T,De Preter V,De Brandt E,Verbeke K,Swings J,Huys G

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

Improvement of the human intestinal flora by ingestion of the probiotic strain Lactobacillus johnsonii La1.

The British journal of nutrition , Volume: 95 Issue: 2 2006 Feb

Authors Yamano T,Iino H,Takada M,Blum S,Rochat F,Fukushima Y

Prebiotic effects of chicory inulin in the simulator of the human intestinal microbial ecosystem.

FEMS microbiology ecology , Volume: 51 Issue: 1 2004 Dec 27

Authors de Wiele TV,Boon N,Possemiers S,Jacobs H,Verstraete W

In vitro susceptibility of Helicobacter pylori to botanical extracts used traditionally for the treatment of gastrointestinal disorders.

Phytotherapy research : PTR , Volume: 19 Issue: 11 2005 Nov

Authors Mahady GB,Pendland SL,Stoia A,Hamill FA,Fabricant D,Dietz BM,Chadwick LR

Isoflavones and functional foods alter the dominant intestinal microbiota in postmenopausal women.

The Journal of nutrition , Volume: 135 Issue: 12 2005 Dec

Authors Clavel T,Fallani M,Lepage P,Levenez F,Mathey J,Rochet V,Sérézat M,Sutren M,Henderson G,Bennetau-Pelissero C,Tondu F,Blaut M,Doré J,Coxam V

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

Modulation of the fecal microbiota by the intake of a Lactobacillus johnsonii La1-containing product in human volunteers.

FEMS microbiology letters , Volume: 248 Issue: 2 2005 Jul 15

Authors Garrido D,Suau A,Pochart P,Cruchet S,Gotteland M

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

Lactulose ingestion increases faecal bifidobacterial counts: a randomised double-blind study in healthy humans.

European journal of clinical nutrition , Volume: 58 Issue: 3 2004 Mar

Authors Bouhnik Y,Attar A,Joly FA,Riottot M,Dyrd F,Flourié B

Enteral feeding of premature infants with Saccharomyces boulardii.

Early human development , Volume: 74 Issue: 2 2003 Nov

Authors Costalos C,Skouteri V,Gounaris A,Sevastiadou S,Triandafilidou A,Ekonomidou C,Kontaxaki F,Petrochilou V

Resveratrol and red wine extracts inhibit the growth of CagA+ strains of Helicobacter pylori in vitro.

The American journal of gastroenterology , Volume: 98 Issue: 6 2003 Jun

Authors Mahady GB,Pendland SL,Chadwick LR

Suppressive effect of frequent ingestion of Lactobacillus johnsonii La1 on Helicobacter pylori colonization in asymptomatic volunteers.

The Journal of antimicrobial chemotherapy , Volume: 51 Issue: 5 2003 May

Authors Gotteland M,Cruchet S

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

Prebiotic treatment of experimental colitis with germinated barley foodstuff: a comparison with probiotic or antibiotic treatment.

International journal of molecular medicine , Volume: 9 Issue: 1 2002 Jan

Authors Fukuda M,Kanauchi O,Araki Y,Andoh A,Mitsuyama K,Takagi K,Toyonaga A,Sata M,Fujiyama Y,Fukuoka M,Matsumoto Y,Bamba T

Inhibition by the essential oils of peppermint and spearmint of the growth of pathogenic bacteria.

Microbios , Volume: 106 Suppl 1 2001

Authors Imai H,Osawa K,Yasuda H,Hamashima H,Arai T,Sasatsu M

Suppressive effects of bifidobacteria on lipid peroxidation in the colonic mucosa of iron-overloaded mice.

Journal of dairy science , Volume: 84 Issue: 7 2001 Jul

Authors Ito M,Sawada H,Ohishi K,Yoshida Y,Yokoi W,Watanabe T,Yokokura T

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

Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.

Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May

Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG

Fn-type chicory inulin hydrolysate has a prebiotic effect in humans.

The Journal of nutrition , Volume: 130 Issue: 5 2000 May

Authors Menne E,Guggenbuhl N,Roberfroid M

Does probiotics administration decrease serum endotoxin levels in infants?

Journal of pediatric surgery , Volume: 34 Issue: 2 1999 Feb

Authors Urao M,Fujimoto T,Lane GJ,Seo G,Miyano T

Increased growth of Bifidobacterium and Eubacterium by germinated barley foodstuff, accompanied by enhanced butyrate production in healthy volunteers.

International journal of molecular medicine , Volume: 3 Issue: 2 1999 Feb

Authors Kanauchi O,Fujiyama Y,Mitsuyama K,Araki Y,Ishii T,Nakamura T,Hitomi Y,Agata K,Saiki T,Andoh A,Toyonaga A,Bamba T

The effect of consumption of milk fermented by Lactobacillus casei strain Shirota on the intestinal microflora and immune parameters in humans.

European journal of clinical nutrition , Volume: 52 Issue: 12 1998 Dec

Authors Spanhaak S,Havenaar R,Schaafsma G

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

Effects of lactulose and lactitol on colonic microflora and enzymatic activity.

Scandinavian journal of gastroenterology. Supplement , Volume: 222 1997

Authors Ballongue J,Schumann C,Quignon P

Antimicrobial compounds from Lactobacillus casei and Lactobacillus helveticus.

The new microbiologica , Volume: 16 Issue: 2 1993 Apr

Authors Vescovo M,Scolari GL,Caravaggi L,Bottazzi V

The effect of a probiotic on faecal and liver lipid classes in rats.

The British journal of nutrition , Volume: 73 Issue: 5 1995 May

Authors Fukushima M,Nakano M

The fermentation of lactulose by colonic bacteria.

Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS,Bramley PM,Menzies IS

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,Waite WM

[Antibacterial and bactericidal activities of Japanese green tea].

Nihon saikingaku zasshi. Japanese journal of bacteriology , Volume: 44 Issue: 4 1989 Jul

Authors Toda M,Okubo S,Ohnishi R,Shimamura T

Diet and faecal flora in the newborn: iron.

Archives of disease in childhood , Volume: 66 Issue: 12 1991 Dec

Authors Balmer SE,Wharton BA

Effects of probiotic Enterococcus faecium NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing

Animal Feed Science and Technology , Volume: 201 2015 Mar

Authors Edward Alain B.Pajarillo,Dae-Kyung Kang,Chan-Soo Park,Hyeun Bum Kim,Marilen P Balolong

The effect of cocultivation with hydrogen-consuming bacteria on xylanolysis by Ruminococcus flavefaciens

Current Microbiology , Volume: 29 Issue: 3 Sep 1994

Authors A. G. Williams

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

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