

## Microbiome Information for: Anorexia Nervosa

### 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 believed 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 is 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](mailto:Research@MicrobiomePrescription.com)

[Our Facebook Discussion Page](#)

## Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Anorexia Nervosa

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

Bacteria Name	Rank Shift	Taxonomy ID	Bacteria Name	Rank Shift	Taxonomy ID
Bacilli	class High	91061	Clostridium	genus Low	1485
Clostridia	class Low	186801	Eubacterium	genus Low	1730
Gammaproteobacteria	class Low	1236	Faecalibacterium	genus Low	216851
Actinomycetaceae	family High	2049	Haemophilus	genus Low	724
Bifidobacteriaceae	family High	31953	Lachnospira	genus Low	28050
Christensenellaceae	family High	990719	Odoribacter	genus Low	283168
Enterobacteriaceae	family High	543	Parabacteroides	genus High	375288
Oxalobacteraceae	family Low	75682	Roseburia	genus Low	841
Pasteurellaceae	family Low	712	Ruminococcus	genus Low	1263
Peptostreptococcaceae	family High	186804	Streptococcus	genus Low	1301
Porphyromonadaceae	family High	171551	Weissella	genus Low	46255
Streptococcaceae	family High	1300	Bifidobacteriales	order High	85004
Agathobacter	genus Low	1766253	Lactobacillales	order High	186826
Alistipes	genus High	239759	Pasteurellales	order Low	135625
Anaerostipes	genus Low	207244	[Eubacterium] nodatum	species Low	35518
Bacteroides	genus Low	816	Bacteroides fragilis	species Low	817
Bifidobacterium	genus High	1678	Faecalibacterium prausnitzii	species Low	853
Blautia	genus Low	572511	Methanobrevibacter smithii	species High	2173
Borrelia	genus High	138	Mycoplasmodies pneumoniae	species High	2104
			Roseburia inulinivorans	species Low	360807

## Substance to Consider Adding or Taking

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

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

(2->1)-beta-D-fructofuranan {Inulin} 32 gram/day

alpha-linolenic acid {Omega-3} 4 gram/day

Bifidobacterium animalis subsp. lactis {B. Lactis} 1BCFU/day

Cichorium intybus {Chicory} 1800 mg/day

fructo-oligosaccharides 15 gram/day

green tea

Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2

gram/day

oligosaccharides {oligosaccharides}

partially hydrolysed guar gum

$\beta$ -(1?4)-linked D-glucosamine and N-acetyl-D-glucosamine

{Chitosan} 3 gram/day

synthetic disaccharide derivative of lactose {Lactulose}

$\beta$ -lactoglobulin {Whey} 60 gram/day

## Retail Probiotics

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

jarrow formulas / bifidus balance® + fos  
optibac / bifidobacteria & fibre  
blackmores (au) / probiotics+ immune defence  
ISCON Elegance/ Ochek Capsule 10  
nature's bounty / probioti 10  
blackmores (au) / probiotics + adults daily (90 capsules)  
nature's way (au) / restore probiotic daily health 90s  
genestra brands® hm  
quality health(au)/ fridge free probiotic 25b  
HMF Forte  
spain (es) / profaes4 edad escolar  
blackmore (au) / probiotics+ bowel support  
Bio Schwartz / Advance Strength Probiotics (40 BCFU)  
nature's way (au) / restore probiotic 30 billion 30s  
HMF IBS Relief  
Maple Life Science™ / Bifidobacterium Animalis  
blackmore (au) / probiotics+ daily health  
Activia®  
UltraFlora® Control  
FloraVantage® Control  
HMF Intensive  
ferring / vsl#3  
klaire labs / target gb-x  
spain (es) / ns defenbiotic kids  
naturopathica (au) / gastrohealth fibrepro  
blackmore (au) / probiotics+ eczema relief  
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis  
Optibac Probiotics / Bifidobacterium lactis HN019  
spain (es) / profaes4 viajeros  
optibac / for every day max  
HLH BIOPHARMA(DE) / LACTOBACT ® FORTE  
FloraVantage® Balance  
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu  
HMF Metabolic

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.

5,6-dihydro-9,10-dimethoxybenzo[ <i>g</i> ]-1,3-benzodioxolo[5,6- <i>a</i> ]quinolizinium {Berberine}	laminaria digitata {Oarweed}
2-Methyl-5-(1-methylethyl)phenol {Carvacrol}	Mixture of Vitamin B? {B Vitamins}
Abstention from eating {Fasting}	nuts
alpha-tocopherol {Vitamin E}	Outer Layers of Triticum aestivum {Wheat Bran}
arabinogalactan {arabinogalactan}	Panax ... {Ginseng}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	pectin {pectin}
bifidobacterium longum {B.Longum }	Pentadigalloylglucose {Tannic Acid}
Brassica oleracea var. italicica {Broccoli}	Plantago {Psyllium}
Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}	Poly[ $\beta$ -D-xylopyranose(1->4)] {Xylan}
Dextrin	Pulses, Beans
Disodium fumarate {Fumaric acid disodium salt}	Saccharomyces cerevisiae var boulardii {S. boulardii}
Ferrum {Iron Supplements}	sodium butyrate
Hericium erinaceus {Lion's Mane Mushroom }	$\beta$ -glucan {Beta-Glucan}
Heyndrickxia coagulans {B. coagulans}	Sus domesticus {Pork}
Hordeum vulgare {Barley}	Ulmus rubra {slippery elm}
Humulus lupulus compound {Xanthohumol}	vegetarians
lactobacillus rhamnosus gg	walnuts
	wheat

## Sample of Literature Used

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

Anorexia nervosa and bulimia nervosa: a Mendelian randomization study of gut microbiota.

Frontiers in microbiology , Volume: 15 2024

Authors Yu Z,Guo M,Yu B,Wang Y,Yan Z,Gao R

Gastrointestinal Microbiota & Symptoms of Depression and Anxiety in Anorexia Nervosa-A Re-Analysis of the MICROBIA Longitudinal Study.

Nutrients , Volume: 16 Issue: 6 2024 Mar 19

Authors Ketel J,Bosch-Brugera M,Auchter G,Cuntz U,Zipfel S,Enck P,Mack I

Gut Microbiome Changes in Anorexia Nervosa: A Comprehensive Review.

Pathophysiology : the official journal of the International Society for Pathophysiology , Volume: 31 Issue: 1 2024

Feb 2

Authors Zhao W,Kodancha P,Das S

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

Frontiers in neuroscience , Volume: 17 2023

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

The causality between gut microbiome and anorexia nervosa: a Mendelian randomization analysis.

Frontiers in microbiology , Volume: 14 2023

Authors Xia X,He SY,Zhang XL,Wang D,He Q,Xiao QA,Yang Y

Anorexia Nervosa Caused by Polymicrobial Tick-Borne Infections: A Case Study.

International medical case reports journal , Volume: 14 2021

Authors Kinderlehrer DA

The intestinal microbiota and metabolites in patients with anorexia nervosa.

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

Authors Prochazkova P,Roubalova R,Dvorak J,Kreisinger J,Hill M,Tlaskalova-Hogenova H,Tomasova P,Pelantova H,Cermakova M,Kuzma M,Bulant J,Bilej M,Smitka K,Lambertova A,Holanova P,Papezova H

Diversity and Composition of Gut Bacterial Community in Giant Panda with Anorexia.

Current microbiology , Volume: 78 Issue: 4 2021 Apr

Authors Zhao S,Li C,Zhu T,Jin L,Deng W,Zhao K,He Y,Li G,Xiong Y,Li T,Li B,Huang Y,Zhang H,Zou L

The Gut Microbiome and Metabolomics Profiles of Restricting and Binge-Purging Type Anorexia Nervosa.

Nutrients , Volume: 13 Issue: 2 2021 Feb 4

Authors Monteleone AM,Troisi J,Serena G,Fasano A,Dalle Grave R,Cascino G,Marciello F,Calugi S,Scala G,Corrivetti G,Monteleone P

A systematic review of studies on the faecal microbiota in anorexia nervosa: future research may need to include microbiota from the small intestine.

Eating and weight disorders : EWD , Volume: 23 Issue: 4 2018 Aug

Authors Schwensen HF,Kan C,Treasure J,Høiby N,Sjögren M

Linking the Gut Microbiota to Bone Health in Anorexia Nervosa.

Current osteoporosis reports , Volume: 16 Issue: 1 2018 Feb

Authors Aurigemma NC,Koltun KJ,VanEvery H,Rogers CJ,De Souza MJ

Microbiota in anorexia nervosa: The triangle between bacterial species, metabolites and psychological tests.

PLoS one , Volume: 12 Issue: 6 2017

Authors Borgo F,Riva A,Benetti A,Casiraghi MC,Bertelli S,Garbossa S,Anselmetti S,Scarone S,Pontiroli AE,Morace G,Borghetti E

Weight gain in anorexia nervosa does not ameliorate the faecal microbiota, branched chain fatty acid profiles, and gastrointestinal complaints.

Scientific reports , Volume: 6 2016 May 27

Authors Mack I,Cuntz U,Grämer C,Niedermaier S,Pohl C,Schwierz A,Zimmermann K,Zipfel S,Enck P,Penders J

Gut Dysbiosis in Patients with Anorexia Nervosa.

PLoS one , Volume: 10 Issue: 12 2015

Authors Morita C,Tsuji H,Hata T,Gondo M,Takakura S,Kawai K,Yoshihara K,Ogata K,Nomoto K,Miyazaki K,Sudo N

The Intestinal Microbiota in Acute Anorexia Nervosa and During Renourishment: Relationship to Depression, Anxiety, and Eating Disorder Psychopathology.

Psychosomatic medicine , Volume: 77 Issue: 9 2015 Nov-Dec

Authors Kleiman SC,Watson HJ,Bulik-Sullivan EC,Huh EY,Tarantino LM,Bulik CM,Carroll IM

Infection-triggered anorexia nervosa in children: clinical description of four cases.

**Journal of child and adolescent psychopharmacology , Volume: 10 Issue: 2 2000 Summer****Authors Sokol MS**Human Milk Oligosaccharide Lacto-N-Neotetraose Promotes Gut Microbiota Recovery in the Context of Antibiotic-Induced Dysbiosis.**Journal of agricultural and food chemistry , 2025 Apr 17****Authors Pang J,Sa Z,Zhao X,Li J,Bai G,Xia Y**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**Effects of combined prebiotic fiber supplementation and weight loss counseling in adults with metabolic dysfunction-associated steatotic liver disease: a randomized controlled trial.**European journal of nutrition , Volume: 64 Issue: 4 2025 Apr 2****Authors Mayengbam S,Raman M,Parnell JA,Eksteen B,Lambert JE,Eller LK,Nicolucci AC,Aktary ML,Reimer RA**Continuous intake of galacto-oligosaccharides containing syrup contributes to maintaining the health of household cats by modulating their gut microbiota.**Bioscience of microbiota, food and health , Volume: 44 Issue: 2 2025****Authors Hokkyo A,Kakiyama S,Shiwa Y,Kaga C,Kobayashi T,Nomoto K,Harima-Mizusawa N**Maternal dietary inulin intake during late gestation and lactation ameliorates intestinal oxidative stress in piglets with the involvements of gut microbiota and bile acids metabolism.**Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 20 2025 Mar****Authors Lu D,Feng C,Pi Y,Ye H,Wu Y,Huang B,Zhao J,Han D,Soede N,Wang J**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,Salgado 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**Multi-Omics Approach to Evaluate Effects of Dietary Sodium Butyrate on Antioxidant Capacity, Immune Function and Intestinal Microbiota Composition in Adult Ragdoll Cats.**Metabolites , Volume: 15 Issue: 2 2025 Feb 11****Authors Zhang A,Li D,Yu T,Zhang M,Cui Y,Wang H,Dong T,Wu Y**The efficacy and underlying mechanisms of berberine in the treatment of recurrent Clostridioides difficile infection.**International journal of antimicrobial agents , Volume: 65 Issue: 5 2025 Feb 20****Authors Wang L,Xu T,Wu S,Zhao C,Huang H**Oat β-glucan enhances gut barrier function and maintains intestinal homeostasis in naturally aging mice.**International journal of biological macromolecules , Volume: 305 Issue: Pt 1 2025 Feb 15****Authors Huang R,Zhang J,Sun M,Xu L,Kuang H,Xu C,Guo L**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**Modulating the developing gut microbiota with 2'-fucosyllactose and pooled human milk oligosaccharides.**Microbiome , Volume: 13 Issue: 1 2025 Feb 7****Authors Renwick S,Furst A,Knip M,DIABIMMUNE Study Group,Bode L,Danska JS,Allen-Vercoe E**Human milk oligosaccharides 2'-fucosyllactose and 3-fucosyllactose attenuate ovalbumin-induced food allergy through immunoregulation and gut microbiota modulation.**Food & function , Volume: 16 Issue: 4 2025 Feb 17****Authors Wu S,Chen H,Yu R,Li H,Zhao J,Stanton C,Paul Ross R,Chen W,Yang B**

Synergistic defecation effects of *Bifidobacterium animalis* subsp. *lactis* BL-99 and fructooligosaccharide by modulating gut microbiota.

**Frontiers in immunology** , Volume: 15 2024

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

Inulin alleviates chronic ketamine-induced impairments in memory and prepulse inhibition by regulating the gut microbiota, inflammation, and kynurenine pathway.

**International journal of biological macromolecules** , Volume: 294 2025 Mar

Authors Xu Z,Lu H,Hu C,Wen Y,Shang D,Gan T,Guo Z,Dai L,Luo Y

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

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

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

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,Castañetti A,Barbalinardo M,Gentili D,Cariani A,Ghisellini S,Caputo F,De Giorgio R,Cao G

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

**Nutrients** , Volume: 16 Issue: 23 2024 Nov 29

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

Compositional Variations in Wheat Bran Influence Growth Performance, Nutrient Retention, and Cecal Microbiome in Broilers.

**Animals : an open access journal from MDPI** , Volume: 14 Issue: 23 2024 Nov 26

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

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

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

**Phytotherapy research : PTR** , 2024 Dec 11

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

Effect of the arabinogalactan from *Ixeris chinensis* (Thunb.) Nakai. attenuates DSS-induced colitis and accompanying depression-like behavior.

**International journal of biological macromolecules** , Volume: 286 2025 Jan

Authors Gong X,Cai W,Yang D,Wang W,Che H,Li 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

Effect of Postbiotic *Bifidobacterium longum* CECT 7347 on Gastrointestinal Symptoms, Serum Biochemistry, and Intestinal Microbiota in Healthy Adults: A Randomised, Parallel, Double-Blind, Placebo-Controlled Pilot Study.

**Nutrients** , Volume: 16 Issue: 22 2024 Nov 19

Authors Naghibi M,Pont-Beltran A,Lamelas A,Llobregat L,Martinez-Blanch JF,Rojas A,Álvarez B,López Plaza B,Arcos Castellanos L,Chenoll E,Vijayakumar V,Day R

Supplementation with inulin reverses cognitive flexibility alterations and modulates the gut microbiota in high-fat-fed mice.

**Frontiers in behavioral neuroscience** , Volume: 18 2024

Authors González-Velázquez G,Aguirre-Garrido JF,Oros-Pantoja R,Salinas-Velarde ID,Contreras I,Estrada JA,Soto-Piña AE

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**

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

**Journal of advanced research , 2024 Nov 14**

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

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**

The Impact of Fermented Milk Products Containing *Bifidobacterium longum* BB536 on the Gut Environment: A Randomized Double-Blind Placebo-Controlled Trial.

**Nutrients , Volume: 16 Issue: 21 2024 Oct 22**

**Authors Ejima R,Mishima R,Sen A,Yamaguchi K,Mitsuyama E,Kaneko H,Kimura M,Arai S,Muto N,Hiraku A,Kato K,Kuwano Y,Maruyama H,Nakamura M,Iwabuchi N,Nakano M,Odamaki T,Tanaka M**

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

**Journal of applied microbiology , 2024 Nov 5**

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

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

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

**Authors Hindle VK,Veasley NM,Holscher HD**

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

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

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

Bifidogenic Effect of Human Milk Oligosaccharides on Pediatric IBD Fecal Microbiota.

**Microorganisms , Volume: 12 Issue: 10 2024 Sep 30**

**Authors Otaru N,Bajic D,Van den Abbeele P,Vande Velde S,Van Biervliet S,Steinert RE,Rehman A**

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**

The protective effect and immunomodulatory ability of orally administrated *Lacticaseibacillus rhamnosus* GG against *Mycoplasma pneumoniae* infection in BALB/c mice.

**PLoS one , Volume: 19 Issue: 10 2024**

**Authors Long H,He G,He J,Du TF,Feng P,Zhu C**

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,Mesnage 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 Vas WM**

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

**Poultry science , Volume: 103 Issue: 12 2024 Dec**

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

Fructo-oligosaccharides promote butyrate production over citrus pectin during in vitro fermentation by colonic inoculum from pig.

**Anaerobe , Volume: 90 2024 Oct 9**

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

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

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

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

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

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

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

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

**Frontiers in immunology**, Volume: 15 2024

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

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

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

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

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

**Frontiers in nutrition**, Volume: 11 2024

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

Determinants of raffinose family oligosaccharide use in Bacteroides species.

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

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

Partially hydrolyzed guar gum suppresses binge alcohol-induced liver fat accumulation via gut environment modulation in mice.

**Journal of gastroenterology and hepatology**, 2024 Sep 23

Authors Morishima S,Abe A,Okamoto S,Kapoor MP,Osumi M,Oda M,Okubo T,Ozeki M,Nishio M,Inoue R

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

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

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

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

The effect of vitamin D3 and omega-3 combination, taken orally, on triglycerides, lining of intestine, and the biodiversity of gut microbiota in healthy rats.

**Journal of applied microbiology**, Volume: 135 Issue: 9 2024 Sep 2

Authors Abdulrazzaq SB,Abu-Samak M,Omar A,Barakat M,Alzaghari LF,Mosleh I,Al-Najjar M,Al-Najjar MAA

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

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

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

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

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

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

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

Dietary Polycan, a β-glucan originating from Aureobasidium pullulansSM-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

Tannin-based supplementation influences gut microbiota composition and activity in IBS-D patients with a potential impact on symptoms: a pilot study.

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

Authors Molino S,Lerma-Aguilera A,Piskorz MM,López Mingorance F,Montero JM,Uehara T,Hashimoto H,González Ballerga E,Olmos JA

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

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

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

Lacticaseibacillus rhamnosus GG alleviates sleep deprivation-induced intestinal barrier dysfunction and neuroinflammation in mice.

**Food & function**, 2024 Aug 5

Authors Pang X,Zhou B,Wu J,Mo Q,Yang L,Liu T,Jin G,Zhang L,Liu X,Xu X,Wang B,Cao H

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

**PLoS one**, Volume: 19 Issue: 7 2024

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

- Improving insulin resistance by sulforaphane via activating the *Bacteroides* and *Lactobacillus* SCFAs-GPR-GLP1 signal axis.  
**Food & function , 2024 Jul 24**  
Authors Tian S,Lei Y,Zhao F,Che J,Wu Y,Lei P,Kang YE,Shan Y  
Enhancing gut microbiota and microbial function with inulin supplementation in children with obesity.
- International journal of obesity (2005) , 2024 Jul 20**  
Authors Visuthranukul C,Sriswasdi S,Tepaamorndech S,Chamni S,Leelahanichkul A,Joyjinda Y,Aksornkitti V,Chomtho S  
Modulation of Human Gut Microbiota In Vitro by Inulin-Type Fructan from *Codonopsis pilosula* Roots.
- Indian journal of microbiology , Volume: 64 Issue: 2 2024 Jun**  
Authors Li J,Cao L,Ji J,Shen M,Gao J  
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  
Modulation of human gut microbiota by linear and branched fructooligosaccharides in an in vitro colon model (TIM-2).
- Journal of applied microbiology , Volume: 135 Issue: 7 2024 Jul 2**  
Authors Popov IV,Koopmans B,Venema K  
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  
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  
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  
Structural characterization and human gut microbiota fermentation in vitro of a polysaccharide from *Fucus vesiculosus*.
- International journal of biological macromolecules , Volume: 275 Issue: Pt 1 2024 Aug**  
Authors Jia RB,Yang G,Lai H,Zheng Q,Xia W,Zhao M  
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  
A host-microbial metabolite interaction gut-on-a-chip model of the adult human intestine demonstrates beneficial effects upon inulin treatment of gut microbiome.
- Microbiome research reports , Volume: 3 Issue: 2 2024**  
Authors Donkers JM,Wiese M,van den Broek TJ,Wierenga E,Agamennone V,Schuren F,van de Steeg E  
Intervention with fructooligosaccharides, *Saccharomyces boulardii*, and their combination in a colitis mouse model.
- Frontiers in microbiology , Volume: 15 2024**  
Authors Wu Y,Fu H,Xu X,Jin H,Kao QJ,Teng WL,Wang B,Zhao G,Pi XE  
Reduction in Serum Concentrations of Uremic Toxins Driven by *Bifidobacterium Longum* Subsp. *Longum* BL21 is Associated with Gut Microbiota Changes in a Rat Model of Chronic Kidney Disease.
- Probiotics and antimicrobial proteins , 2024 Jun 3**  
Authors Dong Y,Gai Z,Han M,Xu J,Zou K  
Probiotics combined with atorvastatin administration in the treatment of hyperlipidemia: A randomized, double-blind, placebo-controlled clinical trial.
- Medicine , Volume: 103 Issue: 21 2024 May 24**  
Authors Tian Y,Wu G,Zhao X,Zhang H,Ren M,Song X,Chang H,Jing Z  
Potential of guar gum as a leaky gut model in broilers: Digestibility, performance, and microbiota responses.
- Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 17 2024 Jun**  
Authors Mellouk A,Mahmood T,Jlali M,Vieco-Saiz N,Michel V,Cozannet P,Ozbek S,Mercier Y,Devillard E,Consuegra J  
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  
*Bifidobacterium longum* S3 alleviates loperamide-induced constipation by modulating intestinal acetic acid and stearic acid levels in mice.

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

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

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

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

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

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

**Microbiological research , Volume: 285 2024 Aug**

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

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

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

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

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

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

**Authors Visuthranukul C,Leelahanichkul A,Tepaamorndech S,Chamni S,Mekangkul E,Chomtho S**

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**

Effects of garlic-derived fructan and oligofructose mixtures on intestinal health and constipation relief in mice.

**Journal of the science of food and agriculture , Volume: 104 Issue: 12 2024 Sep**

**Authors Xie C,Gao W,Liang X,Chye FY**

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

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

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

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

**Microbial biotechnology , Volume: 17 Issue: 5 2024 May**

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

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

**Probiotics and antimicrobial proteins , 2024 May 9**

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

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

**Current research in food science , Volume: 8 2024**

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

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**

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

**Nutrients , Volume: 16 Issue: 8 2024 Apr 13**

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

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

**Nutrients , Volume: 16 Issue: 8 2024 Apr 13**

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

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

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

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

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

**Frontiers in microbiology , Volume: 15 2024**

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

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

**Frontiers in microbiology** , Volume: 15 2024

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

Effect of inulin, galacto-oligosaccharides, and polyphenols on the gut microbiota, with a focus on *Akkermansia muciniphila*.

**Food & function** , Volume: 15 Issue: 9 2024 May 7

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

Vitamin B5 supplementation enhances intestinal development and alters microbes in weaned piglets.

**Animal biotechnology** , Volume: 35 Issue: 1 2024 Nov

Authors Wang X,Qin Y,Li J,Huang P,Li Y,Huang J,Wang Q,Yang H

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

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

**Nutrients** , Volume: 16 Issue: 6 2024 Mar 10

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

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

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

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

Metagenomic sequencing identified microbial species in the rumen and cecum microbiome responsible for niacin treatment and related to intramuscular fat content in finishing cattle.

**Frontiers in microbiology** , Volume: 15 2024

Authors Yang Z,Chen X,Yu M,Jing R,Bao L,Zhao X,Pan K,Chao B,Qu M

Inulin protects against the harmful effects of dietary emulsifiers on mice gut microbiome.

**PeerJ** , Volume: 12 2024

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

Fructo-oligosaccharide supplementation enhances the growth of nursing dairy calves while stimulating the persistence of *Bifidobacterium* and hindgut microbiome's maturation.

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

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

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

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

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

Mannan-oligosaccharides promote gut microecological recovery after antibiotic disturbance.

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

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

*Bacillus coagulans* TCI711 Supplementation Improved Nonalcoholic Fatty Liver by Modulating Gut Microbiota: A Randomized, Placebo-Controlled, Clinical Trial.

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

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

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

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

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

Targeting Gut Microbiome With Prebiotic in Patients With CKD: The TarGut-CKD Study.

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

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

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

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

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

Screening competition and cross-feeding interactions during utilization of human milk oligosaccharides by gut microbes.

**Microbiome research reports** , Volume: 3 Issue: 1 2024

Authors Díaz R,Garrido D

Microencapsulation with fructooligosaccharides and whey protein enhances the antioxidant activity of anthocyanins and

their ability to modulate gut microbiota in vitro.

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

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

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

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

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

Panax notoginseng stems and leaves affect microbial community and function in cecum of duzang pigs.

**Translational animal science , Volume: 8 2024**

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

Effects of Resistant Starch Infusion, Solely and Mixed with Xylan or Cellulose, on Gut Microbiota Composition in Ileum-Cannulated Pigs.

**Microorganisms , Volume: 12 Issue: 2 2024 Feb 9**

**Authors Zhang Y,Bai Y,Wang Z,Ye H,Han D,Zhao J,Wang J,Li D**

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**

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

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

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

Lycium barbarum arabinogalactan alleviates intestinal mucosal damage in mice by restoring intestinal microbes and mucin O-glycans.

**Carbohydrate polymers , Volume: 330 2024 Apr 15**

**Authors Zhao T,Liu S,Ma X,Shuai Y,He H,Guo T,Huang W,Wang Q,Liu S,Wang Z,Gong G,Huang L**

Milk to mucus: How *B. fragilis* colonizes the gut.

**Cell host & microbe , Volume: 32 Issue: 2 2024 Feb 14**

**Authors Olm MR,Mueller NT**

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**

Microbiota modulation by dietary oat beta-glucan prevents steatotic liver disease progression.

**JHEP reports : innovation in hepatology , Volume: 6 Issue: 3 2024 Mar**

**Authors Jaeger JW,Brandt A,Gui W,Yergaliyev T,Hernández-Arriaga A,Muthu MM,Edlund K,Elashy A,Molinaro A,Möckel D,Sarges J,Halibasic E,Trauner M,Kahles F,Rolle-Kampczyk U,Hengstler J,Schneider CV,Lammers T,Marschall HU,von Bergen M,Camarinha-Silva A,Bergheim I,Trautwein C,Schneider KM**

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

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

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

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

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

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

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**

Sodium butyrate administration improves intestinal development of suckling lambs.

**Journal of animal science , Volume: 102 2024 Jan 3**

**Authors Sun M,Ji W,Ye H,Cai Y,Yun Y,Wei X,Wang C,Mao H**

Enhancing immune response, antioxidant capacity, and gut health in growing beagles through a chitooligosaccharide diet.

**Frontiers in veterinary science , Volume: 10 2023**

Authors Cheng G,Hu T,Zeng Y,Yan L,Liu Y,Wang Y,Xia J,Dong H,Chen D,Cheng T,Peng G,Zhang L

Bifidobacterium improves oestrogen-deficiency-induced osteoporosis in mice by modulating intestinal immunity.

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

Authors Zhang J,Liang X,Tian X,Zhao M,Mu Y,Yi H,Zhang Z,Zhang L

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-?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

Simulated digestions of free oligosaccharides and mucin-type O-glycans reveal a potential role for Clostridium perfringens.

**Scientific reports , Volume: 14 Issue: 1 2024 Jan 18**

Authors McDonald AG,Lisacek F

Oat protein isolate-Pleurotus ostreatus ?-glucan conjugate nanoparticles bound to ?-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

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

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 TOGL,Sciarini LS,Moiraghi M,Pérez GT,Fabi JP

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

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

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

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

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

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

Highland barley ?-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

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

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

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

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

Role of folic acid in regulating gut microbiota and short-chain fatty acids based on an in vitro fermentation model.

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

Authors Zheng X,Xia C,Liu M,Wu H,Yan J,Zhang Z,Huang Y,Gu Q,Li P

Bifidobacterium longum SX-1326 ameliorates gastrointestinal toxicity after irinotecan chemotherapy via modulating the P53 signaling pathway and brain-gut axis.

**BMC microbiology , Volume: 24 Issue: 1 2024 Jan 3**

Authors Yue F,Zeng X,Wang Y,Fang Y,Yue M,Zhao X,Zhu R,Zeng Q,Wei J,Chen T

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

**Frontiers in microbiology , Volume: 14 2023**

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

Tannic acid delaying metabolism of resistant starch by gut microbiota during in vitro human fecal fermentation.

**Food chemistry , Volume: 440 2024 May 15**

**Authors Liu Z,Luo S,Liu C,Hu X**

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**

Microencapsulated Sodium Butyrate Alleviates Immune Injury and Intestinal Problems Caused by Clostridium Perfringens through Gut Microbiota.

**Animals : an open access journal from MDPI , Volume: 13 Issue: 24 2023 Dec 8**

**Authors Yang T,Sun Y,Dai Z,Liu J,Xiao S,Liu Y,Wang X,Yang S,Zhang R,Yang C,Dai B**

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

**Frontiers in pharmacology , Volume: 14 2023**

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

Effect of Human Milk Oligosaccharides on Learning and Memory in Mice with Alzheimer's Disease.

**Journal of agricultural and food chemistry , Volume: 72 Issue: 2 2024 Jan 17**

**Authors Gao H,Fang B,Sun Z,Du X,Guo H,Zhao L,Zhang M**

Identification of inulin-responsive bacteria in the gut microbiota via multi-modal activity-based sorting.

**Nature communications , Volume: 14 Issue: 1 2023 Dec 14**

**Authors Riva A,Rasoulinezhraabi H,Cruz-Rubio JM,Schnorr SL,von Baeckmann C,Inan D,Nikolov G,Herbold CW,Hausmann B,Pjevac P,Schintlmeister A,Spittler A,Palatinszky M,Kadunic A,Hieger N,Del Favero G,von Bergen M,Jehmlich N,Watzka M,Lee KS,Wiesenbauer J,Khadem S,Viernstein H,Stocker R,Wagner M,Kaiser C,Richter A,Kleitz F,Berry D**

Effect of beta-glucan supplementation on cystic fibrosis colonic microbiota: an in vitro study.

**Pediatric research , Volume: 95 Issue: 6 2024 May**

**Authors Asensi-Grau A,Heredia A,García-Hernández J,Cabrera-Rubio R,Masip E,Ribes-Koninkx C,Collado MC,Andrés A,Calvo-Lerma J**

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

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

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

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**

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**

Effects of *Vachellia mearnsii* Tannin Extract as an Additive on Fermentation Quality, Aerobic Stability, and Microbial Modulation of Maize Silage.

**Microorganisms , Volume: 11 Issue: 11 2023 Nov 14**

**Authors Mpanza TDE,Mani S**

Effects of Dietary *Bacillus coagulans* and Tributyrin on Growth Performance, Serum Antioxidants, Intestinal Morphology, and Cecal Microbiota of Growing Yellow-Feathered Broilers.

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

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

Gut microbiome supplementation as therapy for metabolic syndrome.

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

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

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

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

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

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

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

**Authors Guimarães JB,Rodrigues VF,Pereira ÍS,Manso GMDC,Elias-Oliveira J,Leite JA,Waldetario MCGM,de Oliveira S,Gomes ABDSP,Faria AMC,Ramos SG,Bonato VLD,Silva JS,Vinolo MAR,Sampaio UM,Clerici MTPS,Carlos D**

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

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

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

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

**mSystems , Volume: 8 Issue: 6 2023 Dec 21**

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

*Bifidobacterium longum* subsp. *longum* BL21 Ameliorates Alcoholic Liver Disease in Mice Through Enhancement of the Hepatic Antioxidant Capacity and Modulation of the Gut Microbiota.

**Journal of applied microbiology , 2023 Oct 31**

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

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

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

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,Parmer EG,Aronsohn AI

In vitro and in vivo evaluation of tannic acid as an antibacterial agent in broilers infected with *Salmonella Typhimurium*.

**Poultry science , Volume: 102 Issue: 12 2023 Dec**

Authors Choi J,Yadav S,Vaddu S,Thippareddi H,Kim WK

Whole-Grain Highland Barley Attenuates Atherosclerosis Associated with NLRP3 Inflammasome Pathway and Gut

Microbiota in ApoE(-/-) Mice.

**Nutrients , Volume: 15 Issue: 19 2023 Sep 28**

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

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

**Nutrients , Volume: 15 Issue: 19 2023 Sep 22**

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

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

**Future microbiology , 2023 Oct 13**

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

Comprehensive evaluation of the prebiotic properties of *Dendrobium officinale* polysaccharides, β-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

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

**Gut microbes , Volume: 15 Issue: 2 2023 Dec**

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

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

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

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

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

Carboxymethyl chitosan-TK resistant starch complex ameliorates type 2 diabetes by regulating the gut microbiota.

**International journal of biological macromolecules , Volume: 253 Issue: Pt 3 2023 Dec 31**

**Authors Pan X,Liu P,Zhang YJ,Zhang HK,Wei H,Jiang JY,Hui-Yan,Shang EX,Li WW,Wang Y,Duan JA**

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

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

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

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**

Fucogalactan Sulfate (FS) from Laminaria japonica Regulates Lipid Metabolism in Diet-Induced Humanized Dyslipidemia Mice via an Intestinal FXR-FGF19-CYP7A1/CYP8B1 Pathway.

**Journal of agricultural and food chemistry , Volume: 71 Issue: 38 2023 Sep 27**

**Authors Song J,Lu X,Liu D,Zhang Y,Zhai X,Zhou L,Gao J**

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**

Immunomodulatory effects of inulin and its intestinal metabolites.

**Frontiers in immunology , Volume: 14 2023**

**Authors Sheng W,Ji G,Zhang L**

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**

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

**Frontiers in microbiology , Volume: 14 2023**

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

Alterations of gut microbiome and metabolism induced by inulin associated with weight loss in obese female mice.

**International journal of food sciences and nutrition , Volume: 74 Issue: 5 2023 Sep**

**Authors Wu Z,Zhang M,Deng Y,Zhou G,Yang M,Wang H**

Carvacrol attenuated lipopolysaccharide-induced intestinal injury by down-regulating TLRs gene expression and regulating the gut microbiota in rabbit.

**Scientific reports , Volume: 13 Issue: 1 2023 Jul 15**

**Authors Wu D,Xia M,Yan A,Jiang H,Fan J,Zhou S,Wei X,Liu S,Chen B**

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**

Sodium butyrate ameliorates diabetic retinopathy in mice via the regulation of gut microbiota and related short-chain fatty acids.

**Journal of translational medicine , Volume: 21 Issue: 1 2023 Jul 7**

**Authors Huang Y,Wang Z,Ye B,Mo JH,Ji S,Sheng W,Ye S,Ou Y,Peng Y,Yang X,Chen J,Tang S**

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**

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

Combination of Lycium barbarum L. and Laminaria japonica polysaccharides as a highly efficient prebiotic: Optimal screening and complementary regulation of gut probiotics and their metabolites.

**International journal of biological macromolecules** , Volume: 246 2023 Aug 15

Authors Chen Q,Fan J,Lin L,Zhao M

Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.

**The Journal of nutrition** , 2023 Jun 20

Authors Eudy BJ,Odle J,Lin X,Maltecca C,Walter KR,McNulty NP,Fellner V,Jacobi SK

Hericium 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,Arboretto G,Imperio G,Ventura A,Cipullo M,Romano M,Federico A

Probiotic modulation of gut microbiota by Bacillus coagulans MTCC 5856 in healthy subjects: A randomized, double-blind, placebo-control study.

**Medicine** , Volume: 102 Issue: 20 2023 May 19

Authors Majeed M,Nagabhusanam K,Mundkur L,Paulose S,Divakar H,Rao S,Arumugam S

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

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

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

**Food chemistry** , Volume: 426 2023 Nov 15

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

Characteristic Gut Bacteria in High Barley Consuming Japanese Individuals without Hypertension.

**Microorganisms** , Volume: 11 Issue: 5 2023 May 9

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

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

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

Antimicrobial Effects of Postbiotic Mediators Derived from Lactobacillus rhamnosus GG and Lactobacillus reuteri on Streptococcus mutans.

**Frontiers in bioscience (Landmark edition)** , Volume: 28 Issue: 5 2023 May 9

Authors Banakar M,Pourhajibagher M,Etemad-Moghadam S,Mehran M,Yazdi MH,Haghgoor R,Alaeeddini M,Frankenberger R  
Bifidobacterium bifidum E3 Combined with Bifidobacterium longum subsp. infantis E4 Improves LPS-Induced Intestinal Injury by Inhibiting the TLR4/NF-?B and MAPK Signaling Pathways In Vivo.

**Journal of agricultural and food chemistry** , Volume: 71 Issue: 23 2023 Jun 14

Authors Yue Y,Wang Y,Xie Q,Lv X,Zhou L,Smith EE,Cao T,Zhang Y,Li B,Huo G,Ma W

Fungal β-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

Heat-Killed Bifidobacterium longum BBMN68 in Pasteurized Yogurt Alleviates Mugwort Pollen-Induced Allergic Airway Responses through Gut Microbiota Modulation in a Murine Model.

**Foods (Basel, Switzerland)** , Volume: 12 Issue: 10 2023 May 19

Authors Niu X,Yin X,Wu X,Zhang Q,Jiang Y,He J,Zhao Y,Zhang C,Ren Y,Lai M,Sang Y,Wang R

Comparison of the Effects of Enzymolysis Seaweed Powder and *Saccharomyces boulardii* on Intestinal Health and Microbiota Composition in Kittens.

**Metabolites** , Volume: 13 Issue: 5 2023 May 8

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

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

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

**Frontiers in nutrition** , Volume: 10 2023

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

Laminaria Japonica Polysaccharide Improved the Productivities and Systemic Health of Ducks by Mediating the Gut Microbiota and Metabolome.

**Journal of agricultural and food chemistry** , Volume: 71 Issue: 19 2023 May 17

Authors Liu A,Kim E,Cui J,Li J,Lee Y,Zhang G

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

Psyllium seed husk regulates the gut microbiota and improves mucosal barrier injury in the colon to attenuate renal injury in 5/6 nephrectomy rats.

**Renal failure** , Volume: 45 Issue: 1 2023 Dec

Authors Hu D,Liu W,Yu W,Huang L,Ji C,Liu X,Lu Z

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

**Experimental gerontology** , Volume: 176 2023 Jun 1

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

Bifidobacterium longum Administration Diminishes Parasitemia and Inflammation During Plasmodium berghei Infection in Mice.

**Journal of inflammation research** , Volume: 16 2023

Authors Fitri LE,Sardjono TW,Winaris N,Pawestri AR,Endharti AT,Norahmawati E,Handayani D,Kurniawan SN,Azizah S,Alifia LI,Aisyah R,Ayuningtyas TR

Exploring the Potential of *Lactobacillus helveticus* R0052 and *Bifidobacterium longum* R0175 as Promising Psychobiotics Using SHIME.

**Nutrients** , Volume: 15 Issue: 6 2023 Mar 21

Authors De Oliveira FL,Salgaço MK,de Oliveira MT,Mesa V,Sartoratto A,Peregrino AM,Ramos WS,Sivieri K

In Vitro Evaluation of Brown Seaweed *Laminaria* spp. as a Source of Antibacterial and Prebiotic Extracts That Could Modulate the Gastrointestinal Microbiota of Weaned Pigs.

**Animals : an open access journal from MDPI** , Volume: 13 Issue: 5 2023 Feb 24

Authors Venardou B,O'Doherty JV,Garcia-Vaquero M,Kiely C,Rajauria G,McDonnell MJ,Ryan MT,Sweeney T

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

Comparison of the Effects between Tannins Extracted from Different Natural Plants on Growth Performance, Antioxidant Capacity, Immunity, and Intestinal Flora of Broiler Chickens.

**Antioxidants (Basel, Switzerland)** , Volume: 12 Issue: 2 2023 Feb 10

Authors Liu S,Wang K,Lin S,Zhang Z,Cheng M,Hu S,Hu H,Xiang J,Chen F,Li G,Si H

Dietary Supplementation with Probiotic *Bacillus licheniformis* S6 Improves Intestinal Integrity via Modulating Intestinal Barrier Function and Microbial Diversity in Weaned Piglets.

**Biology** , Volume: 12 Issue: 2 2023 Feb 2

Authors Sun W,Chen W,Meng K,Cai L,Li G,Li X,Jiang X

Effects of β-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

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

**bioRxiv : the preprint server for biology , 2023 Jan 31**

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

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

**Frontiers in microbiomes , Volume: 1 2022**

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

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 Harsselaar J,Theis S,Rastall RA

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

Impacts of sodium butyrate on intestinal mucosal barrier and intestinal microbial community in a weaned piglet model.

**Frontiers in microbiology , Volume: 13 2022**

**Authors** Liu H,Zhao J,Zhang W,Nie C

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

**Drug design, development and therapy , Volume: 17 2023**

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

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

**Frontiers in nutrition , Volume: 9 2022**

**Authors** Mahalak KK,Firrman J,Narrows AB,Hu W,Jones SM,Bittinger K,Moustafa AM,Liu L

Effect of riboflavin deficiency on intestinal morphology, jejunum mucosa proteomics, and cecal microbiota of Pekin ducks.

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

**Authors** Xu Y,Zhang B,Zhao R,Gao K,Liang S,Wu Y,Hao Y,Liu D,Guo Z,Hu J,Zhou Z,Xie M,Tang J

Amelioration of cognitive impairment using epigallocatechin-3-gallate in ovariectomized mice fed a high-fat diet involves remodeling with Prevotella and Bifidobacteriales.

**Frontiers in pharmacology , Volume: 13 2022**

**Authors** Qu Y,Wu Y,Cheng W,Wang D,Zeng L,Wang Y,Li T,Zhang L,Yang J,Sun L,Ai J

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

The high dose of inulin exacerbated food allergy through the excess accumulation of short-chain fatty acids in a BABL/c mouse model.

**International journal of biological macromolecules , Volume: 230 2023 Mar 1**

**Authors** Xie Q,Mu K,Chen C,Gu S,Luo D,Fu W,Xue W

Bacillus amyloliquefaciens 40 regulates piglet performance, antioxidant capacity, immune status and gut microbiota.

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

**Authors** Jiang Z,Su W,Li W,Wen C,Du S,He H,Zhang Y,Gong T,Wang X,Wang Y,Jin M,Lu Z

Impact of Saccharomyces boulardii CNCM I-745 on Bacterial Overgrowth and Composition of Intestinal Microbiota in Diarrhea-Predominant Irritable Bowel Syndrome Patients: Results of a Randomized Pilot Study.

**Digestive diseases (Basel, Switzerland) , Volume: 41 Issue: 5 2023**

**Authors** Bustos Fernández LM,Man F,Lasa JS

Probiotic Bifidobacterium longum BB68S Improves Cognitive Functions in Healthy Older Adults: A Randomized, Double-Blind, Placebo-Controlled Trial.

**Nutrients , Volume: 15 Issue: 1 2022 Dec 22**

**Authors** Shi S,Zhang Q,Sang Y,Ge S,Wang Q,Wang R,He J

Inulin intervention attenuates hepatic steatosis in rats via modulating gut microbiota and maintaining intestinal barrier function.

**Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan**

**Authors** Yang Z,Su H,Lv Y,Tao H,Jiang Y,Ni Z,Peng L,Chen X

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  
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  
Influence of Dietary Inulin on Fecal Microbiota, Cardiometabolic Risk Factors, Eicosanoids, and Oxidative Stress in Rats Fed a High-Fat Diet.
- Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 16**  
Authors Miralles-Pérez B,Nogués MR,Sánchez-Martos V,Fortuño-Mar À,Ramos-Romero S,Torres JL,Ponomarenko J,Amézqueta S,Zhang X,Romeu M  
Simulated Digestion and Fermentation In Vitro by Obese Human Gut Microbiota of Sulforaphane from Broccoli Seeds.
- Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 12**  
Authors Sun Y,Tang Z,Hao T,Qiu Z,Zhang B  
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  
Effects of Polyphenols and Glucosinolates in Broccoli Extract on Human Gut Microorganisms Based on Simulation In Vitro.
- ACS omega , Volume: 7 Issue: 49 2022 Dec 13**  
Authors Zhang Y,Jiang C,Huang S,Sun J,Song X,Nishanbaev SZ,Benito MJ,Wu Y  
Effects of highland barley β-glucan on blood glucose and gut microbiota in streptozotocin-induced, diabetic, C57BL/6 mice on a high-fat diet.
- Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 107 2023 Mar**  
Authors Zang Y,Liu J,Zhai A,Wu K,Chuang Y,Ge Y,Wang C  
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  
Randomized placebo-controlled trial of oral tannin supplementation on COVID-19 symptoms, gut dysbiosis and cytokine response.
- Journal of functional foods , Volume: 99 2022 Dec**  
Authors Molino S,Pisarevsky A,Badu S,Wu Q,Mingorance FL,Vega P,Stefanolo JP,Repetti J,Ludueña G,Pepa P,Olmos JL,Fermepin MR,Uehara T,Viciani E,Castagnetti A,Savidge T,Piskorz MM  
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 folic acid addition reduces abdominal fat deposition mediated by alterations in gut microbiota and SCFA production in broilers.
- Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar**  
Authors Liu Y,Yang J,Liu X,Liu R,Wang Y,Huang X,Li Y,Liu R,Yang 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  
The effects of Saccharomyces boulardii on rat colonic hypermotility induced by repeated water avoidance stress and the potential mechanism.
- PeerJ , Volume: 10 2022**  
Authors Liu J,Ren H,Yuan F,Shao M,Luo H  
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**

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

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

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

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

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

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

**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**

**Response of gut microbiota and ileal transcriptome to inulin intervention in HFD induced obese mice.**

**International journal of biological macromolecules , Volume: 225 2023 Jan 15**

**Authors Zhang H,Zhang Y,Mu T,Cao J,Liu X,Yang X,Ren D,Zhao K**

***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**

**Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.**

**Diagnostics (Basel, Switzerland) , Volume: 12 Issue: 11 2022 Nov 9**

**Authors Lee KS,Kim ES**

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

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

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

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

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

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

**Impacts of Dietary Protein and Niacin Deficiency on Reproduction Performance, Body Growth, and Gut Microbiota of Female Hamsters (*Tschersikia triton*) and Their Offspring.**

**Microbiology spectrum , Volume: 10 Issue: 6 2022 Dec 21**

**Authors Zhao J,Lu W,Huang S,Le Maho Y,Habold C,Zhang Z**

**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**

**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**

**Inulin accelerates weight loss in obese mice by regulating gut microbiota and serum metabolites.**

**Frontiers in nutrition , Volume: 9 2022**

**Authors Wu Z,Du Z,Tian Y,Liu M,Zhu K,Zhao Y,Wang H**

**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**

**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**

**Influence of free and immobilized chitosan on a defined human gut microbial ecosystem.**

**Food research international (Ottawa, Ont.) , Volume: 161 2022 Nov**

**Authors Ruiz-Rico M,Renwick S,Vancuren SJ,Robinson AV,Gianetto-Hill C,Allen-Vercoe E,Barat JM**

**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**Partially hydrolyzed guar gum alleviates hepatic steatosis and alters specific gut microbiota in a murine liver injury model.**Pediatric surgery international , Volume: 38 Issue: 12 2022 Dec****Authors Fujii T,Nakayama-Imaojji H,Tanaka A,Katami H,Tanaka K,Chiba Y,Kawauchi M,Ueno M,Kuwahara T,Shimono R**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**Metabogenomic Approach Reveals Intestinal Environmental Features Associated with Barley-Induced Glucose ToleranceImprovements in Japanese: A Randomized Controlled Trial.**Nutrients , Volume: 14 Issue: 17 2022 Aug 24****Authors Goto Y,Nishimoto Y,Murakami S,Nomaguchi T,Mori Y,Ito M,Nakaguro R,Kudo T,Matsuoka T,Yamada T,Kobayashi T,Fukuda S**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**Detection of indigenous gut bacteria related to red chilli pepper (*Capsicum annuum*) in murine caecum and human faecal cultures.**Molecular biology reports , Volume: 49 Issue: 11 2022 Nov****Authors Xia Y,Lee G,Yamamoto M,Takahashi H,Kuda T**The antidiabetic effects of *Bifidobacterium longum* subsp. *longum* BL21 through regulating gut microbiota structure in type 2 diabetic mice.**Food & function , Volume: 13 Issue: 19 2022 Oct 3****Authors Hao J,Zhang Y,Wu T,Liu R,Sui W,Zhu J,Fang S,Geng J,Zhang M**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**Effect of a diet rich in galactose or fructose, with or without fructooligosaccharides, on gut microbiota composition in rats.**Frontiers in nutrition , Volume: 9 2022****Authors Mhd Omar NA,Dicksved J,Kruger J,Zamaratskaia G,Michaëlsson K,Wolk A,Frank J,Landberg R**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**Effect of Fructooligosaccharides Supplementation on the Gut Microbiota in Human: A Systematic Review and Meta-Analysis.**Nutrients , Volume: 14 Issue: 16 2022 Aug 12****Authors Dou Y,Yu X,Luo Y,Chen B,Ma D,Zhu J**Regulation of a High-Iron Diet on Lipid Metabolism and Gut Microbiota in Mice.**Animals : an open access journal from MDPI , Volume: 12 Issue: 16 2022 Aug 13****Authors Xiong Q,Zhao J,Tian C,Ma W,Miao L,Liang L,Zhang K,Du H***Bifidobacterium longum* CECT 7894 Improves the Efficacy of Infliximab for DSS-Induced Colitis via Regulating the Gut Microbiota and Bile Acid Metabolism.**Frontiers in pharmacology , Volume: 13 2022****Authors Xiao F,Dong F,Li X,Li Y,Yu G,Liu Z,Wang Y,Zhang T**The effect of riboflavin supplementation on the systemic redox status in healthy volunteers: A post-hoc analysis of the RIBOGUT trial.**Free radical biology & medicine , Volume: 190 2022 Sep****Authors Bourgonje AR,Otten AT,Sadaghian Sadabad M,von Martels JZH,Bulthuis MLC,Faber KN,van Goor H,Dijkstra G,Harmsen HJM**Riboflavin Supplementation Promotes Butyrate Production in the Absence of Gross Compositional Changes in the Gut Microbiota.**Antioxidants & redox signaling , Volume: 38 Issue: 4-6 2023 Feb****Authors Liu L,Sadaghian Sadabad M,Gabarrini G,Lisotto P,von Martels JZH,Wardill HR,Dijkstra G,Steinert RE,Harmsen HJM**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

Impact of Lycium barbarum arabinogalactan on the fecal metabolome in a DSS-induced chronic colitis mouse model.

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

Authors Cao C,Wang L,Ai C,Gong G,Wang Z,Huang L,Song S,Zhu B

Bacillus coagulans in Combination with Chitoooligosaccharides 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

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

Gender-based effect of absence of gut microbiota on the protective efficacy of Bifidobacterium longum-fermented rice bran diet against inflammation-associated colon tumorigenesis.

**Molecular carcinogenesis , Volume: 61 Issue: 10 2022 Oct**

Authors Kumar R,Maurya AK,Parker KD,Kant R,Ibrahim H,Kabir MI,Kumar D,Weber AM,Agarwal R,Kuhn KA,Ryan EP,Raina K  
Recombinant Bifidobacterium longum Carrying Endostatin Protein Alleviates Dextran Sodium Sulfate-Induced Colitis and Colon Cancer in Rats.

**Frontiers in microbiology , Volume: 13 2022**

Authors Bi Z,Cui E,Yao Y,Chang X,Wang X,Zhang Y,Xu GX,Zhuang H,Hua ZC

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 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

Chitosan and Chitoooligosaccharide: The Promising Non-Plant-Derived Prebiotics with Multiple Biological Activities.

**International journal of molecular sciences , Volume: 23 Issue: 12 2022 Jun 17**

Authors Guan Z,Feng Q

Riboflavin Attenuates Influenza Virus Through Cytokine-Mediated Effects on the Diversity of the Gut Microbiota in MAIT Cell Deficiency Mice.

**Frontiers in microbiology , Volume: 13 2022**

Authors Li Y,Shi CW,Zhang YT,Huang HB,Jiang YL,Wang JZ,Cao X,Wang N,Zeng Y,Yang GL,Yang WT,Wang CF

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

Effects of Fucoidan Isolated From *Laminaria japonica* on Immune Response and Gut Microbiota in Cyclophosphamide-Treated Mice.

**Frontiers in immunology , Volume: 13 2022**

Authors Tang Y,Pu Q,Zhao Q,Zhou Y,Jiang X,Han T

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

Altered Intestinal Production of Volatile Fatty Acids in Dogs Triggered by Lactulose and Psyllium Treatment.

**Veterinary sciences , Volume: 9 Issue: 5 2022 Apr 23**

**Authors Mackei M,Talabér R,Müller L,Sterczer Á,Fébel H,Neogrády Z,Mátis G**

Bifidobacterium longum CCFM752 prevented hypertension and aortic lesion, improved antioxidative ability, and regulated the gut microbiome in spontaneously hypertensive rats.

**Food & function , Volume: 13 Issue: 11 2022 Jun 6**

**Authors Lu W,Wang Y,Fang Z,Wang H,Zhu J,Zhai Q,Zhao J,Zhang H,Chen W**

Oat β Glucan Ameliorates Renal Function and Gut Microbiota in Diabetic Rats.

**Frontiers in nutrition , Volume: 9 2022**

**Authors Wang R,Zhang Z,Aihemaitijiang S,Ye C,Halimulati M,Huang X,Qin H**

A Three-Day Intervention With Granola Containing Cereal Beta-Glucan Improves Glycemic Response and Changes the Gut Microbiota in Healthy Individuals: A Crossover Study.

**Frontiers in nutrition , Volume: 9 2022**

**Authors Telle-Hansen VH,Gaundal L,Høgvard B,Ulven SM,Holven KB,Byfuglien MG,Måge I,Knutsen SH,Ballance S,Rieder A,Rud I,Myhrstad MCW**

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

**Frontiers in microbiology , Volume: 13 2022**

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

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**

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**

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

**Frontiers in microbiology , Volume: 13 2022**

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

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**

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**

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**

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**

Different Alterations in Gut Microbiota between Bifidobacterium longum and Fecal Microbiota Transplantation Treatments in

Propionic Acid Rat Model of Autism.**Nutrients , Volume: 14 Issue: 3 2022 Jan 30****Authors Abujamel TS,Al-Otaibi NM,Abuaish S,AlHarbi RH,Assas MB,Alzahrani SA,Alotaibi SM,El-Ansary A,Aabed K**Effect of Dietary *Bacillus licheniformis* Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.**Frontiers in veterinary science , Volume: 9 2022****Authors Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z**An Integrative Multiomics Approach to Characterize Prebiotic Inulin Effects on *Faecalibacterium prausnitzii*.**Frontiers in bioengineering and biotechnology , Volume: 10 2022****Authors Park JH,Song WS,Lee J,Jo SH,Lee JS,Jeon HJ,Kwon JE,Kim YR,Baek JH,Kim MG,Yang YH,Kim BG,Kim YG**Enzymatic Preparation of Low-Molecular-Weight *Laminaria japonica* Polysaccharides and Evaluation of Its Effect on Modulating Intestinal Microbiota in High-Fat-Diet-Fed Mice.**Frontiers in bioengineering and biotechnology , Volume: 9 2021****Authors Fu X,Zhan Y,Li N,Yu D,Gao W,Gu Z,Zhu L,Li R,Zhu C**Beneficial Effects of Partly Milled Highland Barley on the Prevention of High-Fat Diet-Induced Glycometabolic Disorder and the Modulation of Gut Microbiota in Mice.**Nutrients , Volume: 14 Issue: 4 2022 Feb 11****Authors Li S,Wang M,Li C,Meng Q,Meng Y,Ying J,Bai S,Shen Q,Xue Y**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**Natural Dietary Compound Xanthohumol Regulates the Gut Microbiota and Its Metabolic Profile in a Mouse Model of Alzheimer's Disease.**Molecules (Basel, Switzerland) , Volume: 27 Issue: 4 2022 Feb 14****Authors Liu W,He K,Wu D,Zhou L,Li G,Lin Z,Yang X,Liu J,Pui Man Hoi M**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**Chitosan Protects Immunosuppressed Mice Against *Cryptosporidium parvum* Infection Through TLR4/STAT1 Signaling Pathways and Gut Microbiota Modulation.**Frontiers in immunology , Volume: 12 2021****Authors Rahman SU,Gong H,Mi R,Huang Y,Han X,Chen Z**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 a blend of chestnut and quebracho tannins on gut health and performance of broiler chickens.**PLoS one , Volume: 17 Issue: 1 2022****Authors Redondo EA,Redondo LM,Bruzzone OA,Diaz-Carrasco JM,Cabral C,Garces VM,Liñero MM,Fernandez-Miyakawa ME**Physicochemical Properties of the Soluble Dietary Fiber from *Laminaria japonica* and Its Role in the Regulation of Type 2 Diabetes Mice.**Nutrients , Volume: 14 Issue: 2 2022 Jan 13****Authors Wang X,Zhang L,Qin L,Wang Y,Chen F,Qu C,Miao J**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**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**Soluble Polysaccharide Derived from *Laminaria japonica* Attenuates Obesity-Related Nonalcoholic Fatty Liver Disease Associated with Gut Microbiota Regulation.**Marine drugs , Volume: 19 Issue: 12 2021 Dec 9****Authors Zhang Y,Yang L,Zhao N,Hong Z,Cai B,Le Q,Yang T,Shi L,He J**Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients.**Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec****Authors Amadieu C,Coste V,Neyrinck AM,Thijssen V,Leyrolle Q,Bindels LB,Piessevaux H,Stärkel P,de Timary P,Delzenne NM,Leclercq S**

- Bifidobacterium longum subsp. longum 5<sup>1A</sup> attenuates intestinal injury against irinotecan-induced mucositis in mice.  
**Life sciences , Volume: 289 2022 Jan 15**  
 Authors Quintanilha MF,Miranda VC,Souza RO,Gallotti B,Cruz C,Santos EA,Alvarez-Leite JI,Jesus LCL,Azevedo V,Trindade LM,Cardoso VN,Ferreira E,Carvalho BA,Soares PMG,Vieira AT,Nicoli JR,Martins FS
- 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
- The relationship between human milk, a functional nutrient, and microbiota.  
**Critical reviews in food science and nutrition , 2021 Dec 6**  
 Authors Sakarya E,Sanlier NT,Sanlier N
- 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
- Bamboo shavings derived O-acetylated xylan alleviates loperamide-induced constipation in mice.  
**Carbohydrate polymers , Volume: 276 2022 Jan 15**  
 Authors Huang J,Lin B,Zhang Y,Xie Z,Zheng Y,Wang Q,Xiao H
- Inulin-grown *Faecalibacterium prausnitzii* cross-feeds fructose to the human intestinal epithelium.  
**Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec**  
 Authors Fagundes RR,Bourgonje AR,Saeed A,Vich Vila A,Plomp N,Blokzijl T,Sadaghian Sadabadi M,von Martels JZH,van Leeuwen SS,Weersma RK,Dijkstra G,Harmsen HJM,Faber KN
- 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
- Berberine inhibits dendritic cells differentiation in DSS-induced colitis by promoting *Bacteroides fragilis*.  
**International immunopharmacology , Volume: 101 Issue: Pt A 2021 Dec**  
 Authors Zheng C,Wang Y,Xu Y,Zhou L,Hassan S,Xu G,Zou X,Zhang M
- A Comparison of Production Performance, Egg Quality, and Cecal Microbiota in Laying Hens Receiving Graded Levels of Vitamin B<sub>12</sub>.  
**Frontiers in veterinary science , Volume: 8 2021**  
 Authors Wang R,Bai Y,Yang Y,Wu X,Li R
- Protective Effects of *Bacillus amyloliquefaciens* 40 Against *Clostridium perfringens* Infection in Mice.  
**Frontiers in nutrition , Volume: 8 2021**  
 Authors Jiang Z,Li W,Su W,Wen C,Gong T,Zhang Y,Wang Y,Jin M,Lu Z
- Chitooligosaccharides: Digestion characterization and effect of the degree of polymerization on gut microorganisms to manage the metabolome functional diversity in vitro.  
**Carbohydrate polymers , Volume: 275 2022 Jan 1**  
 Authors Ji X,Zhu L,Chang K,Zhang R,Chen Y,Yin H,Jin J,Zhao L
- 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
- Bifidobacterium* catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection.  
**Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec**  
 Authors Heiss BE,Ehrlich AM,Maldonado-Gomez MX,Taft DH,Larke JA,Goodson ML,Slupsky CM,Tancredi DJ,Raybould HE,Mills DA
- 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
- In Vitro Study of Cricket Chitosan's Potential as a Prebiotic and a Promoter of Probiotic Microorganisms to Control Pathogenic Bacteria in the Human Gut.  
**Foods (Basel, Switzerland) , Volume: 10 Issue: 10 2021 Sep 29**

**Authors** Kipkoech C,Kinyuru JN,Imathiu S,Meyer-Rochow VB,Roos N

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

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

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

**Authors** Cuisinier T, Calvé A, Frágoso 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

Prebiotic Inulin Supplementation and Peripheral Insulin Sensitivity in adults at Elevated Risk for Type 2 Diabetes: A Pilot Randomized Controlled Trial.

**Nutrients , Volume: 13 Issue: 9 2021 Sep 17**

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

A Pectin-Rich, Baobab Fruit Pulp Powder Exerts Prebiotic Potential on the Human Gut Microbiome In Vitro.

**Microorganisms , Volume: 9 Issue: 9 2021 Sep 17**

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

Bacillus pumilus and Bacillus subtilis Promote Early Maturation of Cecal Microbiota in Broiler Chickens.

**Microorganisms , Volume: 9 Issue: 9 2021 Sep 7**

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

Short-Chain Inulin Modulates the Cecal Microbiota Structure of Leptin Knockout Mice in High-Fat Diet.

**Frontiers in microbiology , Volume: 12 2021**

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

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

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

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

Crosstalk among intestinal barrier, gut microbiota and serum metabolome after a polyphenol-rich diet in older subjects with "leaky gut": The MaPLE trial.

**Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 10 2021 Oct**

**Authors** Peron G, Gargari G, Meroño T, Miñarro A, Lozano EV, Escudero PC, González-Domínguez R, Hidalgo-Liberona N, Del Bo' C, Bernardi S, Kroon PA, Carrieri B, Cherubini A, Riso P, Guglielmetti S, Andrés-Lacueva C

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, Morgan 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

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

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

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

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

Prebiotic characteristics of arabinogalactans during in vitro fermentation through multi-omics analysis.

**Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 156 2021 Oct**

**Authors** Sun Y, Hu J, Zhang S, He H, Nie Q, Zhang Y, Chen C, Geng F, Nie S

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

**Frontiers in nutrition , Volume: 8 2021**

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

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

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

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

Authors Jang KB,Purvis JM,Kim SW

Effectiveness and safety of Bifidobacterium and berberine in human hyperglycemia and their regulatory effect on the gut microbiota: a multi-center, double-blind, randomized, parallel-controlled study.

**Genome medicine , Volume: 13 Issue: 1 2021 Aug 9**

Authors Ming J,Yu X,Xu X,Wang L,Ding C,Wang Z,Xie X,Li S,Yang W,Luo S,He Q,Du Y,Tian Z,Gao X,Ma K,Fang Y,Li C,Zhao J,Wang X,Ji Q

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn's disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

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

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

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

Effects of different doses of omega-3 polyunsaturated fatty acids on gut microbiota and immunity.

**Food & nutrition research , Volume: 65 2021**

Authors Zhu X,Bi Z,Yang C,Guo Y,Yuan J,Li L,Guo Y

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

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

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

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

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

**International journal of endocrinology , Volume: 2021 2021**

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

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 Alamdar N,Safaiyan A,Mosharkesh E,Hadi A,Barati M,Ostadrahimi A

Concentrated Raw Fibers Enhance the Fiber-Degrading Capacity of a Synthetic Human Gut Microbiome.

**International journal of molecular sciences , Volume: 22 Issue: 13 2021 Jun 25**

Authors Steinle A,Neumann M,Grant ET,Turner JD,Desai MS

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

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

**PLoS one , Volume: 16 Issue: 6 2021**

Authors Jung TH,Han KS

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

Orange Juice and Yogurt Carrying Probiotic *Bacillus coagulans* GBI-30 6086: Impact of Intake on Wistar Male Rats Health Parameters and Gut Bacterial Diversity.

**Frontiers in microbiology , Volume: 12 2021**

**Authors Almada-Érix CN,Almada CN,Cabral L,Barros de Medeiros VP,Roquette AR,Santos-Junior VA,Fontes M,Gonçalves AEES,Dos Santos A,Lollo PC,Magnani M,Sant'Ana AS**

**Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.**

**Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation , 2021 Jun 11**

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

**Spore-forming *Bacillus coagulans* SNZ 1969 improved intestinal motility and constipation perception mediated by microbial alterations in healthy adults with mild intermittent constipation: A randomized controlled trial.**

**Food research international (Ottawa, Ont.) , Volume: 146 2021 Aug**

**Authors Kang S,Park MY,Brooks I,Lee J,Kim SH,Kim JY,Oh B,Kim JW,Kwon O**

**Chicken-eaters and pork-eaters have different gut microbiota and tryptophan metabolites.**

**Scientific reports , Volume: 11 Issue: 1 2021 Jun 7**

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

**Effects of dietary supplementation with a laminarin-rich extract on the growth performance and gastrointestinal health in broilers.**

**Poultry science , Volume: 100 Issue: 7 2021 Jul**

**Authors Venardou B,O'Doherty JV,Vigors S,O'Shea CJ,Burton EJ,Ryan MT,Sweeney T**

**The effects of psyllium husk on gut microbiota composition and function in chronically constipated women of reproductive age using 16S rRNA gene sequencing analysis.**

**Aging , Volume: 13 Issue: 11 2021 Jun 3**

**Authors Yang C,Liu S,Li H,Bai X,Shan S,Gao P,Dong X**

**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**

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

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

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

**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**

**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**

**A mixture of quebracho and chestnut tannins drives butyrate-producing bacteria populations shift in the gut microbiota of weaned piglets.**

**PLoS one , Volume: 16 Issue: 4 2021**

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

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

**British journal of clinical pharmacology , 2021 Apr 27**

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

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

**Food & function , 2021 Apr 22**

**Authors Zhang Z,Chen X,Cui B**

**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**

**Acidic pH enhances butyrate production from pectin by faecal microbiota.**

**FEMS microbiology letters , Volume: 368 Issue: 7 2021 May 4**

**Authors Raba G,Adamberg S,Adamberg K**

Polyphenols from *Arctium lappa* L ameliorate doxorubicin-induced heart failure and improve gut microbiota composition in mice.

**Journal of food biochemistry , Volume: 46 Issue: 3 2022 Mar**

**Authors Wu X,Zhang N,Kan J,Tang S,Sun R,Wang Z,Chen M,Liu J,Jin C**

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**

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**

Effect of Supplementing Seaweed Extracts to Pigs until d35 Post-Weaning on Performance and Aspects of Intestinal Health.

**Marine drugs , Volume: 19 Issue: 4 2021 Mar 26**

**Authors Vigors S,O'Doherty J,Rattigan R,Sweeney T**

Influence of Short-Term Consumption of *Hericium erinaceus* on Serum Biochemical Markers and the Changes of the Gut Microbiota: A Pilot Study.

**Nutrients , Volume: 13 Issue: 3 2021 Mar 21**

**Authors Xie XQ,Geng Y,Guan Q,Ren Y,Guo L,Lv Q,Lu ZM,Shi JS,Xu ZH**

Influence of Short-Term Consumption of *Hericium erinaceus* on Serum Biochemical Markers and the Changes of the Gut Microbiota: A Pilot Study.

**Nutrients , Volume: 13 Issue: 3 2021 Mar 21**

**Authors Xie XQ,Geng Y,Guan Q,Ren Y,Guo L,Lv Q,Lu ZM,Shi JS,Xu ZH**

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**

Fasting alters the gut microbiome reducing blood pressure and body weight in metabolic syndrome patients.

**Nature communications , Volume: 12 Issue: 1 2021 Mar 30**

**Authors Maifeld A,Bartolomaeus H,Löber U,Avery EG,Steckhan N,Markó L,Wilck N,Hamad I,Šušnjar U,Mähler A,Hohmann C,Chen CY,Cramer H,Dobos G,Lesker TR,Strowig T,Dechend R,Bzdok D,Kleinewietfeld M,Michalsen A,Müller DN,Forslund SK**

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**

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

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

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

Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial.

**European journal of nutrition , Volume: 60 Issue: 6 2021 Sep**

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

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

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

**Authors Jang KB,Purvis JM,Kim SW**

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**

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**

Oregano essential oil improves piglet health and performance through maternal feeding and is associated with changes in the gut microbiota.

**Animal microbiome , Volume: 3 Issue: 1 2021 Jan 4**

**Authors Hall HN,Wilkinson DJ,Le Bon M**

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**

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**

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

**Journal of animal science , 2021 Jan 12**

**Authors Jang K,Purvis JM,Kim SW**

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

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

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

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

**Frontiers in microbiology , Volume: 11 2020**

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

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**

Algal Oil Rich in n-3 PUFA Alleviates DSS-Induced Colitis via Regulation of Gut Microbiota and Restoration of Intestinal Barrier.

**Frontiers in microbiology , Volume: 11 2020**

**Authors Xu Z,Tang H,Huang F,Qiao Z,Wang X,Yang C,Deng Q**

Probiotic *Lactobacillus rhamnosus* GG Promotes Mouse Gut Microbiota Diversity and T Cell Differentiation.

**Frontiers in microbiology , Volume: 11 2020**

**Authors Shi CW,Cheng MY,Yang X,Lu YY,Yin HD,Zeng Y,Wang RY,Jiang YL,Yang WT,Wang JZ,Zhao DD,Huang HB,Ye LP,Cao X,Yang GL,Wang CF**

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

**Frontiers in pharmacology , Volume: 11 2020**

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

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

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

**Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Anglenius H,Maukonen J**

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

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

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

Vitamin E alpha- and gamma-tocopherol mitigate colitis, protect intestinal barrier function and modulate the gut microbiota in mice.

**Free radical biology & medicine , Volume: 163 2021 Feb 1**

**Authors Liu KY,Nakatsu CH,Jones-Hall Y,Kozik A,Jiang Q**

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**

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**

Yeast β-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**

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

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

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

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

**Frontiers in microbiology , Volume: 11 2020**

**Authors Cheng L,Kiewiet MBG,Logtenberg MJ,Groeneveld A,Nauta A,Schols HA,Walvoort MTC,Harmsen HJM,de Vos P**  
Dynamic gut microbiome changes to low-iron challenge.

**Applied and environmental microbiology , 2020 Nov 13**

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

The Effect of *Bacillus licheniformis*-Fermented Products and Postpartum Dysgalactia Syndrome on Litter Performance Traits, Milk Composition, and Fecal Microbiota in Sows.

**Animals : an open access journal from MDPI , Volume: 10 Issue: 11 2020 Nov 5**

**Authors Yu YH,Hsu TY,Chen WJ,Horng YB,Cheng YH**

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**

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

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

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

Anti-inflammatory Bifidobacterium strains prevent dextran sodium sulfate induced colitis and associated gut microbial dysbiosis in mice.

**Scientific reports , Volume: 10 Issue: 1 2020 Oct 29**

**Authors Singh S,Bhatia R,Khare P,Sharma S,Rajarammohan S,Bishnoi M,Bhadada SK,Sharma SS,Kaur J,Kondepudi KK**

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

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

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

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**

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**

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**

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

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,Boscher 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

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

**Carbohydrate polymers , Volume: 247 2020 Nov 1**

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

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

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

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

Functional modulation of gut microbiota in diabetic rats following dietary intervention with pistachio nuts (*Pistacia vera L.*).

**Metabolism open , Volume: 7 2020 Sep**

Authors Yanni AE,Mitropoulou G,Prapa I,Agrogiannis G,Kostomitsopoulos N,Bezirtzoglou E,Kourkoutas Y,Karathanos VT

Reciprocal Interactions between Epigallocatechin-3-gallate (EGCG) and Human Gut Microbiota In Vitro.

**Journal of agricultural and food chemistry , Volume: 68 Issue: 36 2020 Sep 9**

Authors Liu Z,de Bruijn WJC,Bruins ME,Vincken JP

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

**Nutrients , Volume: 12 Issue: 8 2020 Aug 12**

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

Characterizing the gut microbiota in females with infertility and preliminary results of a water-soluble dietary fiber intervention study.

**Journal of clinical biochemistry and nutrition , Volume: 67 Issue: 1 2020 Jul**

Authors Komiya S,Naito Y,Okada H,Matsuo Y,Hirota K,Takagi T,Mizushima K,Inoue R,Abe A,Morimoto Y

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,Chueng F,Zhang ZJ,Yuen MF,Feng Y

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

Randomized Controlled Trial on the Effect of Partially Hydrolyzed Guar Gum Supplementation on Diarrhea Frequency and Gut Microbiome Count Among Pelvic Radiation Patients.

**JPEN. Journal of parenteral and enteral nutrition , Volume: 45 Issue: 2 2021 Feb**

Authors Rosli D,Shahar S,Manaf ZA,Lau HJ,Yusof NYM,Haron MR,Majid HA

Long-Term Intake of Pork Meat Proteins Altered the Composition of Gut Microbiota and Host-Derived Proteins in the Gut Contents of Mice.

**Molecular nutrition & food research , Volume: 64 Issue: 17 2020 Sep**

Authors Xie Y,Wang C,Zhao D,Zhou C,Li C

Dietary Mannan-oligosaccharides potentiate the beneficial effects of *Bifidobacterium bifidum* in broiler chicken.

**Letters in applied microbiology , Volume: 71 Issue: 5 2020 Nov**

Authors Dev K,Akbar Mir N,Biswas A,Kannoujia J,Begum J,Kant R

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

Early supplementation of *Saccharomyces cerevisiae boulardii* CNCM I-1079 in newborn dairy calves increases IgA production in the intestine at 1 week of age.

**Journal of dairy science , Volume: 103 Issue: 9 2020 Sep**

Authors Villot C,Chen Y,Pedgerachny K,Chaucheyras-Durand F,Chevaux E,Skidmore A,Guan LL,Steele MA

Dietary α-Linolenic Acid-Rich Flaxseed Oil Exerts Beneficial Effects on Polycystic Ovary Syndrome Through Sex Steroid Hormones-Microbiota-Inflammation Axis in Rats.

**Frontiers in endocrinology , Volume: 11 2020**

Authors Wang T,Sha L,Li Y,Zhu L,Wang Z,Li K,Lu H,Bao T,Guo L,Zhang X,Wang H

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

Sulforaphane alter the microbiota and mitigate colitis severity on mice ulcerative colitis induced by DSS.

**AMB Express , Volume: 10 Issue: 1 2020 Jul 3**

Authors Zhang Y,Tan L,Li C,Wu H,Ran D,Zhang Z

Butyrate producing colonic Clostridiales metabolise human milk oligosaccharides and cross feed on mucin via conserved pathways.

**Nature communications , Volume: 11 Issue: 1 2020 Jul 3**

Authors Pichler MJ,Yamada C,Shuoker B,Alvarez-Silva C,Gotoh A,Leth ML,Schoof E,Katoh T,Sakanaka M,Katayama T,Jin C,Karlsson NG,Arumugam M,Fushinobu S,Abou Hachem M

Effect of chitooligosaccharides on human gut microbiota and antiglycation.

**Carbohydrate polymers , Volume: 242 2020 Aug 15**

Authors Liu W,Li X,Zhao Z,Pi X,Meng Y,Fei D,Liu D,Wang X

Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?

**Nutrients , Volume: 12 Issue: 6 2020 Jun 12**

Authors Knezevic J,Starchl C,Tmava Berisha A,Amrein K

Time-restricted feeding is associated with changes in human gut microbiota related to nutrient intake.

**Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 78 2020 Oct**

Authors Zeb F,Wu X,Chen L,Fatima S,Ijaz-Ul-Haq,Chen A,Xu C,Jianglei R,Feng Q,Li M

Yeast β-glucan alleviates cognitive deficit by regulating gut microbiota and metabolites in Aβ(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

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

Synergetic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs.

**European journal of nutrition , Volume: 60 Issue: 2 2021 Mar**

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

Unsaturated alginate oligosaccharides attenuated obesity-related metabolic abnormalities by modulating gut microbiota in high-fat-diet mice.

**Food & function , Volume: 11 Issue: 5 2020 May 1**

Authors Li S ,Wang L ,Liu B ,He N

[Discussion on the curative effect and mechanisms of berberine in rats with non-alcoholic fatty liver].

**Zhonghua gan zang bing za zhi = Zhonghua ganzangbing zazhi = Chinese journal of hepatology , Volume: 28 Issue: 4 2020 Apr 20**

Authors Li DH,Liu YT,Hao SR,Zheng JM,Hou HT,Wang YZ

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

**Nutrients , Volume: 12 Issue: 5 2020 May 1**

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

Prebiotic Effects of Partially Hydrolyzed Guar Gum on the Composition and Function of the Human Microbiota-Results from the PAGODA Trial.

**Nutrients , Volume: 12 Issue: 5 2020 Apr 28**

Authors Reider SJ,Moosmang S,Tragust J,Trgovec-Greif L,Tragust S,Perschy L,Przysiecki N,Sturm S,Tilg H,Stuppner H,Rattei T,Moschen AR

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

randomized crossover trial.

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

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

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*

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

**Nutrients , Volume: 12 Issue: 4 2020 Apr 5**

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

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

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

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

Bifidobacterium longum subsp. longum Remodeled Roseburia and Phosphatidylserine Levels and Ameliorated Intestinal Disorders and liver Metabolic Abnormalities Induced by High-Fat Diet.

**Journal of agricultural and food chemistry , Volume: 68 Issue: 16 2020 Apr 22**

*Authors Wu T,Sun M,Liu R,Sui W,Zhang J,Yin J,Fang S,Zhu J,Zhang M*

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*

Anti-inflammatory activity of alkali-soluble polysaccharides from Arctium lappa L. and its effect on gut microbiota of mice with inflammation.

**International journal of biological macromolecules , Volume: 154 2020 Jul 1**

*Authors Zhang X,Zhang N,Kan J,Sun R,Tang S,Wang Z,Chen M,Liu J,Jin C*

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*

$\alpha$ -Linolenic Acid-Rich Diet Influences Microbiota Composition and Villus Morphology of the Mouse Small Intestine.

**Nutrients , Volume: 12 Issue: 3 2020 Mar 11**

*Authors Todorov H,Kollar B,Bayer F,Brandão I,Mann A,Mohr J,Pontarollo G,Formes H,Stauber R,Kittner JM,Endres K,Watzer B,Nockher WA,Sommer F,Gerber S,Reinhardt C*

Herbal formula improves upper and lower gastrointestinal symptoms and gut health in Australian adults with digestive disorders.

**Nutrition research (New York, N.Y.) , Volume: 76 2020 Apr**

*Authors Ried K,Travica N,Dorairaj R,Sali A*

Bacillus coagulans SANK 70258 suppresses Enterobacteriaceae in the microbiota of ulcerative colitis in vitro and enhances butyrogenesis in healthy microbiota.

**Applied microbiology and biotechnology , Volume: 104 Issue: 9 2020 May**

*Authors Sasaki K,Sasaki D,Inoue J,Hoshi N,Maeda T,Yamada R,Kondo 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*

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.

**Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun**

*Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B*

Effects of whole-grain wheat, rye, and lignan supplementation on cardiometabolic risk factors in men with metabolic syndrome: a randomized crossover trial.

**The American journal of clinical nutrition , Volume: 111 Issue: 4 2020 Apr 1**

**Authors Eriksen AK,Brunius C,Mazidi M,Hellström PM,Risérus U,Iversen KN,Fristedt R,Sun L,Huang Y,Nørskov NP,Knudsen KEB,Kyrø C,Olsen A,Tjønneland A,Dicksved J,Landberg R**

Short-Term Fermented Soybeans with *Bacillus amyloliquefaciens* Potentiated Insulin Secretion Capacity and Improved Gut Microbiome Diversity and Intestinal Integrity To Alleviate Asian Type 2 Diabetic Symptoms.

**Journal of agricultural and food chemistry , Volume: 68 Issue: 46 2020 Nov 18**

**Authors Jeong DY,Daily JW,Lee GH,Ryu MS,Yang HJ,Jeong SY,Qiu JY,Zhang T,Park S**

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**

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**

Dietary flaxseed oil rich in omega-3 suppresses severity of type 2 diabetes mellitus via anti-inflammation and modulating gut microbiota in rats.

**Lipids in health and disease , Volume: 19 Issue: 1 2020 Feb 7**

**Authors Zhu L,Sha L,Li K,Wang Z,Wang T,Li Y,Liu P,Dong X,Dong Y,Zhang X,Wang H**

Anti-obesity effects of α-amylase inhibitor enriched-extract from white common beans (*Phaseolus vulgaris* L) associated with the modulation of gut microbiota composition in high-fat diet-induced obese rats.

**Food & function , Volume: 11 Issue: 2 2020 Feb 26**

**Authors Shi Z,Zhu Y,Teng C,Yao Y,Ren G,Richel A**

Study on the Effect of Capsaicin on the Intestinal Flora through High-Throughput Sequencing.

**ACS omega , Volume: 5 Issue: 2 2020 Jan 21**

**Authors Wang F,Huang X,Chen Y,Zhang D,Chen D,Chen L,Lin J**

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**

Association between blood omega-3 polyunsaturated fatty acids and the gut microbiota among breast cancer survivors.

**Beneficial microbes , Volume: 10 Issue: 7 2019 Oct 14**

**Authors Horigome A,Okubo R,Hamazaki K,Kinoshita T,Katsumata N,Uezono Y,Xiao JZ,Matsuoka YJ**

Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome.

**Beneficial microbes , Volume: 10 Issue: 8 2019 Dec 9**

**Authors Nealon NJ,Parker KD,Lahaie P,Ibrahim H,Maurya AK,Raina K,Ryan EP**

Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.

**Nutrients , Volume: 12 Issue: 1 2020 Jan 17**

**Authors Aljahdali N,Gadonna-Widehem P,Anton PM,Carbonero F**

In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.

**Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb**

**Authors Henrique-Bana FC,Wang X,Costa GN,Spinosa WA,Miglioranza LHS,Scorletti E,Calder PC,Byrne CD,Gibson GR**

Chungkookjang, a soy food, fermented with *Bacillus amyloliquefaciens* protects gerbils against ischmeic stroke injury, and post-stroke hyperglycemia.

**Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb**

**Authors Jeong DY,Jeong SY,Zhang T,Wu X,Qiu JY,Park S**

Pistachio Consumption Alleviates Inflammation and Improves Gut Microbiota Composition in Mice Fed a High-Fat Diet.

**International journal of molecular sciences , Volume: 21 Issue: 1 2020 Jan 6**

**Authors Terzo S,Mulè F,Caldara GF,Baldassano S,Puleio R,Vitale M,Cassata G,Ferrantelli V,Amato A**

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,Maugham H,McNair K,Rojas MI,Sanchez SE,Smurthwaite C,Rohwer F**

Carboxymethyl chitosan perturbs inflammation profile and colonic microbiota balance in mice.

**Journal of food and drug analysis , Volume: 28 Issue: 1 2020 Jan**

**Authors Liu Y,Zong S,Li J**

Riboflavin Supplementation in Patients with Crohn's Disease [the RISE-UP study].

**Journal of Crohn's & colitis , Volume: 14 Issue: 5 2020 Jun 19**

**Authors von Martels JZH,Bourgonje AR,Klaassen MAY,Alkhailifah HAA,Sadaghian Sadabadi M,Vich Vila A,Gacesa R,Gabriëls**

RY,Steinert RE,Jansen BH,Bulthuis MLC,van Dullemen HM,Visschedijk MC,Festen EAM,Weersma RK,de Vos P,van Goor H,Faber KN,Harmsen HJM,Dijkstra G

Food for thought about manipulating gut bacteria.

**Nature** , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM,Bindels LB

Islamic fasting leads to an increased abundance of Akkermansia muciniphila and Bacteroides fragilis group: A preliminary study on intermittent fasting.

**The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology** , Volume: 30 Issue: 12 2019 Dec

Authors Özkul C,Yalinay M,Karakan T

Walnuts and Vegetable Oils Containing Oleic Acid Differentially Affect the Gut Microbiota and Associations with Cardiovascular Risk Factors: Follow-up of a Randomized, Controlled, Feeding Trial in Adults at Risk for Cardiovascular Disease.

**The Journal of nutrition** , Volume: 150 Issue: 4 2020 Apr 1

Authors Tindall AM,McLimans CJ,Petersen KS,Kris-Etherton PM,Lamendella R

Oxidized Pork Induces Oxidative Stress and Inflammation by Altering Gut Microbiota in Mice.

**Molecular nutrition & food research** , Volume: 64 Issue: 2 2020 Jan

Authors Ge Y,Lin S,Li B,Yang Y,Tang X,Shi Y,Sun J,Le G

Chronic oral exposure to glycated whey proteins increases survival of aged male NOD mice with autoimmune prostatitis by regulating the gut microbiome and anti-inflammatory responses.

**Food & function** , Volume: 11 Issue: 1 2020 Jan 29

Authors Chen Y,Guo KM,Nagy T,Guo TL

Gut microbiota composition during a 12-week intervention with delayed-release dimethyl fumarate in multiple sclerosis - a pilot trial.

**Multiple sclerosis journal - experimental, translational and clinical** , Volume: 5 Issue: 4 2019 Oct-Dec

Authors Storm-Larsen C,Myhr KM,Farbu E,Midgard R,Nyquist K,Broch L,Berg-Hansen P,Buness A,Holm K,Ueland T,Fallang LE,Burum-Auensen E,Hov JR,Holmøy T

Changes in human gut microbiota composition are linked to the energy metabolic switch during 10 d of Buchinger fasting.

**Journal of nutritional science** , Volume: 8 2019

Authors Mesnage R,Grundler F,Schwartz A,Le Maho Y,Wilhelmi de Toledo F

Dietary Saccharomyces cerevisiae boulardii CNCM I-1079 Positively Affects Performance and Intestinal Ecosystem in Broilers during a Campylobacter jejuni Infection.

**Microorganisms** , Volume: 7 Issue: 12 2019 Nov 21

Authors Massacci FR,Lovito C,Tofani S,Tentellini M,Genovese DA,De Leo AAP,Papa P,Magistrali CF,Manuali E,Trabalza-Marinucci M,Moscati L,Forte C

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,Morgan A,Shulzhenko N,Maier CS,Stevens JF,Gombart AF

Chitosan Ameliorates DSS-Induced Ulcerative Colitis Mice by Enhancing Intestinal Barrier Function and Improving Microflora.

**International journal of molecular sciences** , Volume: 20 Issue: 22 2019 Nov 15

Authors Wang J,Zhang C,Guo C,Li X

Structural Analysis of Gluco-Oligosaccharides Produced by *< i>Leuconostoc lactis</i>* and Their Prebiotic Effect.

**Molecules (Basel, Switzerland)** , Volume: 24 Issue: 21 2019 Nov 5

Authors Lee S,Park J,Jang JK,Lee BH,Park YS

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,Fukuyatari T

Dietary intervention using (1,3)/(1,6)- $\beta$ -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 García-Mantrana I,Calatayud M,Romo-Vaquero M,Espín JC,Selma MV,Collado MC

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.

**European journal of nutrition , 2019 Oct 11***Authors Hess AL,Benítez-Páez A,Blædel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.**Intestinal microbiome analysis demonstrates azithromycin post-treatment effects improve when combined with lactulose.***World journal of pediatrics : WJP , Volume: 16 Issue: 2 2020 Apr***Authors Nikolaou E,Kamilari E,Savkov D,Sergeev A,Zakharova I,Vogazianos P,Tomazou M,Antoniades A,Shammas C**Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.***NPJ biofilms and microbiomes , Volume: 5 2019***Authors La Carpia F,Wojczyk BS,Annavajhala MK,Rebbaa A,Culp-Hill R,D'Alessandro A,Freedberg DE,Uhlemann AC,Hod EA**Role of the Gut Microbiota and Their Metabolites in Modulating the Cholesterol-Lowering Effects of Citrus Pectin***Oligosaccharides in C57BL/6 Mice.****Journal of agricultural and food chemistry , Volume: 67 Issue: 43 2019 Oct 30***Authors Hu H,Zhang S,Liu F,Zhang P,Muhammad Z,Pan S**Bacillus coagulans R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs.***Environmental pollution (Barking, Essex : 1987) , Volume: 255 Issue: Pt 2 2019 Sep 13***Authors Xing SC,Huang CB,Mi JD,Wu YB,Liao XD**Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.***Scientific reports , Volume: 9 Issue: 1 2019 Sep 16***Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M**Effect of Repeated Consumption of Partially Hydrolyzed Guar Gum on Fecal Characteristics and Gut Microbiota: A**Randomized, Double-Blind, Placebo-Controlled, and Parallel-Group Clinical Trial.***Nutrients , Volume: 11 Issue: 9 2019 Sep 10***Authors Yasukawa Z,Inoue R,Ozeki M,Okubo T,Takagi T,Honda A,Naito Y**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**Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.***Frontiers in immunology , Volume: 10 2019***Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van 't Land B,Tims S,Stahl B,Garssen J,Franch À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ**Dietary Factors and Modulation of Bacteria Strains of <i>Akkermansia muciniphila</i> and <i>Faecalibacterium prausnitzii</i>: A Systematic Review.***Nutrients , Volume: 11 Issue: 7 2019 Jul 11***Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T**Daily intake of wheat germ-enriched bread may promote a healthy gut bacterial microbiota: a randomised controlled trial.***European journal of nutrition , Volume: 59 Issue: 5 2020 Aug***Authors Moreira-Rosário A,Marques C,Pinheiro H,Norberto S,Sintra D,Teixeira JA,Calhau C,Azevedo LF**Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.***PLoS one , Volume: 14 Issue: 7 2019***Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgren B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI**The specific use of alginate from Laminaria japonica by Bacteroides species determined its modulation of the Bacteroides community.***Food & function , Volume: 10 Issue: 7 2019 Jul 17***Authors Ai C,Jiang P,Liu Y,Duan M,Sun X,Luo T,Jiang G,Song S**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**Effects of a Lactulose-Rich Diet on Fecal Microbiome and Metabolome in Pregnant Mice.***Journal of agricultural and food chemistry , Volume: 67 Issue: 27 2019 Jul 10***Authors Zhang Z,Chen X,Zhao J,Tian C,Wei X,Li H,Lin W,Jiang A,Feng R,Yuan J,Zhao X**Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.*

**Beneficial microbes** , Volume: 10 Issue: 6 2019 Jul 10

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

Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

**Beneficial microbes** , Volume: 10 Issue: 6 2019 Jul 10

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

The role of short-chain fatty acids in microbiota-gut-brain communication.

**Nature reviews. Gastroenterology & hepatology** , Volume: 16 Issue: 8 2019 Aug

Authors Dalile B,Van Oudenhove L,Vervliet B,Verbeke K

Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.

**The American journal of clinical nutrition** , Volume: 109 Issue: 6 2019 Jun 1

Authors Hiel S,Bindels LB,Pachikian BD,Kalala G,Broers V,Zamariola G,Chang BPI,Kambashi B,Rodríguez J,Cani PD,Neyrinck AM,Thissen JP,Luminet O,Bindelle J,Delzenne NM

A study of the prebiotic effect of lactulose at low dosages in healthy Japanese women.

**Bioscience of microbiota, food and health** , Volume: 38 Issue: 2 2019

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

Alleviation of low-fiber diet-induced constipation by probiotic *Bifidobacterium bifidum* G9-1 is based on correction of gut microbiota dysbiosis.

**Bioscience of microbiota, food and health** , Volume: 38 Issue: 2 2019

Authors Makizaki Y,Maeda A,Oikawa Y,Tamura S,Tanaka Y,Nakajima S,Yamamura H

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,Jovcic B,Filipic B,Dinic M,Studholme DJ,Fira D,Cotter PD,Kojic M

In vitro modulation of human gut microbiota composition and metabolites by *Bifidobacterium longum* BB-46 and a citric pectin.

**Food research international (Ottawa, Ont.)** , Volume: 120 2019 Jun

Authors Bianchi F,Larsen N,Tieghi TM,Adorno MAT,Saad SM,Jespersen L,Sivieri 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

Nutritional impacts of dietary oregano and Enviva essential oils on the performance, gut microbiota and blood biochemicals of growing ducks.

**Animal : an international journal of animal bioscience** , Volume: 13 Issue: 10 2019 Oct

Authors Abouelezz K,Abou-Hadied M,Yuan J,Elokil AA,Wang G,Wang S,Wang J,Bian G

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

A ropy exopolysaccharide producing strain *Bifidobacterium longum* subsp. *longum* YS108R alleviates DSS-induced colitis by maintenance of the mucosal barrier and gut microbiota modulation.

**Food & function** , Volume: 10 Issue: 3 2019 Mar 20

Authors Yan S,Yang B,Zhao J,Zhao J,Stanton C,Ross RP,Zhang H,Chen W

Effects of a polysaccharide-rich extract derived from Irish-sourced *Laminaria digitata* on the composition and metabolic activity of the human gut microbiota using an in vitro colonic model.

**European journal of nutrition** , Volume: 59 Issue: 1 2020 Feb

Authors Strain CR,Collins KC,Naughton V,McSorley EM,Stanton C,Smyth TJ,Soler-Vila A,Rea MC,Ross PR,Cherry P,Allsopp PJ  
Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.

**PeerJ** , Volume: 7 2019

Authors De Paepe K,Verspreet J,Rezaei MN,Hidalgo Martinez S,Meysman F,Van de Walle D,Dewettinck K,Raes J,Courtin C,Van de Wiele T

The Effect of Psyllium Husk on Intestinal Microbiota in Constipated Patients and Healthy Controls.

**International journal of molecular sciences** , Volume: 20 Issue: 2 2019 Jan 20

Authors Jalanka J,Major G,Murray K,Singh G,Nowak A,Kurtz C,Silos-Santiago I,Johnston JM,de Vos WM,Spiller R

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

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**

Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.

**Gut microbes , 2018 Nov 5**

**Authors Valcheva R,Koleva P,Martínez I,Walter J,Gänzle MG,Dieleman LA**

Simultaneous Supplementation of <i>Bacillus subtilis</i> and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullet 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**

In vitro potentiation of carbapenems with tannic acid against carbapenemase-producing enterobacteriaceae: exploring natural products as potential carbapenemase inhibitors.

**Journal of applied microbiology , Volume: 126 Issue: 2 2019 Feb**

**Authors Somboro AM,Osei Sekyere J,Amoako DG,Kumalo HM,Khan R,Bester LA,Essack SY**

Exploring Effects of Chitosan Oligosaccharides on Mice Gut Microbiota in <i>in vitro</i> Fermentation and Animal Model.

**Frontiers in microbiology , Volume: 9 2018**

**Authors Zhang C,Jiao S,Wang ZA,Du Y**

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**

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

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

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

Metagenome sequencing to analyze the impacts of thiamine supplementation on ruminal fungi in dairy cows fed high-concentrate diets.

**AMB Express , Volume: 8 Issue: 1 2018 Oct 3**

**Authors Xue F,Nan X,Sun F,Pan X,Guo Y,Jiang L,Xiong B**

Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.

**Archives of animal nutrition , Volume: 72 Issue: 6 2018 Dec**

**Authors Li B,Schroyen M,Leblois J,Wavreille J,Soyeurt H,Bindelle J,Everaert N**

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**

Fiber Supplements Derived From Sugarcane Stem, Wheat Dextrin and Psyllium Husk Have Different <i>In Vitro</i> Effects on the Human Gut Microbiota.

**Frontiers in microbiology , Volume: 9 2018**

**Authors Gamage HKAH,Tetu SG,Chong RWW,Bucio-Noble D,Rosewarne CP,Kautto L,Ball MS,Molloy MP,Packer NH,Paulsen IT**

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

**The Journal of nutritional biochemistry , Volume: 59 2018 Sep**

**Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK**

A Vegetarian Diet Is a Major Determinant of Gut Microbiota Composition in Early Pregnancy.

**Nutrients , Volume: 10 Issue: 7 2018 Jul 12**

**Authors Barrett HL,Gomez-Arango LF,Wilkinson SA,McIntyre HD,Callaway LK,Morrison M,Dekker Nitert M**

Pectin Alleviates High Fat (Lard) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.

**Journal of agricultural and food chemistry , 2018 Jul 20**

**Authors Li W,Zhang K,Yang H**

Changes in Rumen Microbial Profiles and Subcutaneous Fat Composition When Feeding Extruded Flaxseed Mixed With or Before Hay.

**Frontiers in microbiology , Volume: 9 2018**

**Authors Petri RM,Vahmani P,Yang HE,Dugan MER,McAllister TA**

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**

Maternal omega-3 fatty acids regulate offspring obesity through persistent modulation of gut microbiota.

**Microbiome , Volume: 6 Issue: 1 2018 May 24**

**Authors Robertson RC,Kaliannan K,Strain CR,Ross RP,Stanton C,Kang JX**

Dietary fiber intervention on gut microbiota composition in healthy adults: a systematic review and meta-analysis.

**The American journal of clinical nutrition , Volume: 107 Issue: 6 2018 Jun 1**

**Authors So D,Whelan K,Rossi M,Morrison M,Holtmann G,Kelly JT,Shanahan ER,Staudacher HM,Campbell KL**

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.

**Food & function , Volume: 9 Issue: 5 2018 May 23**

**Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X**

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**

Effects of the Brown Seaweed *Laminaria japonica* Supplementation on Serum Concentrations of IgG, Triglycerides, and Cholesterol, and Intestinal Microbiota Composition in Rats.

**Frontiers in nutrition , Volume: 5 2018**

**Authors Kim JY,Kwon YM,Kim IS,Kim JA,Yu DY,Adhikari B,Lee SS,Choi IS,Cho KK**

Evaluation of the nutrition and function of cow and goat milk based on intestinal microbiota by metagenomic analysis.

**Food & function , Volume: 9 Issue: 4 2018 Apr 25**

**Authors Wang Z,Jiang S,Ma C,Huo D,Peng Q,Shao Y,Zhang J**

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**

Fecal microbiome composition and stability in 4- to 8-year old children is associated with dietary patterns and nutrient intake.

**The Journal of nutritional biochemistry , Volume: 56 2018 Jun**

**Authors Berding K,Holscher HD,Arthur AE,Donovan SM**

Prebiotic Potential of Herbal Medicines Used in Digestive Health and Disease.

**Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 24 Issue: 7 2018 Jul**

**Authors Peterson CT,Sharma V,Uchitel S,Denniston K,Chopra D,Mills PJ,Peterson SN**

Effects of dietary <i>Bacillus amyloliquefaciens</i> supplementation on growth performance, intestinal morphology, inflammatory response, and microbiota of intra-uterine growth retarded weanling piglets.

**Journal of animal science and biotechnology , Volume: 9 2018**

**Authors Li Y,Zhang H,Su W,Ying Z,Chen Y,Zhang L,Lu Z,Wang T**

Oral supplementation of *Bifidobacterium longum* strain BR-108 alters cecal microbiota by stimulating gut immune system in mice irrespectively of viability.

**Bioscience, biotechnology, and biochemistry , Volume: 82 Issue: 7 2018 Jul**

**Authors Makioka Y,Tsukahara T,Ijichi T,Inoue R**

Extensive impact of non-antibiotic drugs on human gut bacteria.

**Nature , Volume: 555 Issue: 7698 2018 Mar 29**

**Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A**

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 Apiwatanaapiwat 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**

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

**PeerJ , Volume: 6 2018**

**Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X**

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**

Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation.

**Applied and environmental microbiology , Volume: 84 Issue: 9 2018 May 1**

**Authors Rivière A,Selak M,Geirnaert A,Van den Abbeele P,De Vuyst L**

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,Rossmieier 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**

Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.

**Food & function , 2018 Feb 21**

**Authors Cheng W,Lu J,Lin W,Wei X,Li H,Zhao X,Jiang A,Yuan J**

Impact of Chestnut and Quebracho Tannins on Rumen Microbiota of Bovines.

**BioMed research international , Volume: 2017 2017**

**Authors Díaz Carrasco JM,Cabral C,Redondo LM,Pin Viso ND,Colombatto D,Farber MD,Fernández Miyakawa ME**

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 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**

Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.

**The British journal of nutrition , Volume: 119 Issue: 2 2018 Jan**

**Authors Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J**

Intraruminal infusion of oligofructose alters ruminal microbiota and induces acute laminitis in sheep.

**Journal of animal science , Volume: 95 Issue: 12 2017 Dec**

**Authors Li H,Liu J,Zhu W,Mao S**

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**

Impact of Omega-3 Fatty Acids on the Gut Microbiota.

**International journal of molecular sciences , Volume: 18 Issue: 12 2017 Dec 7**

**Authors Costantini L,Molinari R,Farinon B,Merendino N**

Amelioration of Intestinal Barrier Dysfunction by Berberine in the Treatment of Nonalcoholic Fatty Liver Disease in Rats.

**Pharmacognosy magazine , Volume: 13 Issue: 52 2017 Oct-Dec**

**Authors Li D,Zheng J,Hu Y,Hou H,Hao S,Liu N,Wang Y**

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**

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**

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**

The effects of iron fortification and supplementation on the gut microbiome and diarrhea in infants and children: a review.

**The American journal of clinical nutrition , Volume: 106 Issue: Suppl 6 2017 Dec**

**Authors Paganini D,Zimmermann MB**

Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes.

**Food & function , Volume: 8 Issue: 12 2017 Dec 13**

**Authors Shang W,Si X,Zhou Z,Li Y,Strappe P,Blanchard C**

Indoor microbiota in severely moisture damaged homes and the impact of interventions.

**Microbiome , Volume: 5 Issue: 1 2017 Oct 13**

**Authors Jayaprakash B,Adams RI,Kirjavainen P,Karvonen A,Vepsäläinen A,Valkonen M,Järvi K,Sulyok M,Pekkanen J,Hyvärinen A,Täubel M**

Prebiotic potential of pectin and pectic oligosaccharides to promote anti-inflammatory commensal bacteria in the human colon.

**FEMS microbiology ecology , Volume: 93 Issue: 11 2017 Nov 1**

**Authors Chung WSF,Meijerink M,Zeuner B,Holck J,Louis P,Meyer AS,Wells JM,Flint HJ,Duncan SH**

Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminal Microbiota in Dairy Cows Fed High-Grain Diets.

**Frontiers in microbiology , Volume: 8 2017**

**Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B**

Effect of Functional Oligosaccharides and Ordinary Dietary Fiber on Intestinal Microbiota Diversity.

**Frontiers in microbiology , Volume: 8 2017**

**Authors Cheng W,Lu J,Li B,Lin W,Zhang Z,Wei X,Sun C,Chi M,Bi W,Yang B,Jiang A,Yuan J**

Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.

**International journal of molecular sciences , Volume: 18 Issue: 10 2017 Oct 4**

**Authors Medina DA,Pinto F,Ovalle A,Thomson P,Garrido D**

Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs.

**The Journal of nutrition , Volume: 147 Issue: 11 2017 Nov**

**Authors Fouhse JM,Gänzle MG,Beattie AD,Vasanthan T,Zijlstra RT**

Fructooligosaccharide (FOS) and Galactooligosaccharide (GOS) Increase Bifidobacterium but Reduce Butyrate Producing Bacteria with Adverse Glycemic Metabolism in healthy young population.

**Scientific reports , Volume: 7 Issue: 1 2017 Sep 18**

**Authors Liu F,Li P,Chen M,Luo Y,Prabhakar M,Zheng H,He Y,Qi Q,Long H,Zhang Y,Sheng H,Zhou H**

Worse inflammatory profile in omnivores than in vegetarians associates with the gut microbiota composition.

**Diabetology & metabolic syndrome , Volume: 9 2017**

**Authors Franco-de-Moraes AC,de Almeida-Pititto B,da Rocha Fernandes G,Gomes EP,da Costa Pereira A,Ferreira SRG**

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**

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 Hericium erinaceus through Regulating the Gut Microbiota.

**Frontiers in immunology , Volume: 8 2017**

**Authors Diling C,Chaoqun Z,Jian Y,Jian L,Jian S,Yizhen X,Guoxiao L**

In vitro modulation of gut microbiota by whey protein to preserve intestinal health.

**Food & function , Volume: 8 Issue: 9 2017 Sep 20**

**Authors Sánchez-Moya T,López-Nicolás R,Planes D,González-Bermúdez CA,Ros-Berruezo G,Frontela-Saseta C**

Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome.

**Environmental microbiology , Volume: 19 Issue: 8 2017 Aug**

**Authors De Paepe K,Kerckhof FM,Verspreet J,Courtin CM,Van de Wiele T**

Dimethyl fumarate reduces the risk of mycotoxins via improving intestinal barrier and microbiota.

**Oncotarget , Volume: 8 Issue: 27 2017 Jul 4**

**Authors Ma N,Wu Y,Xie F,Du K,Wang Y,Shi L,Ji L,Liu T,Ma X**

Human Milk Oligosaccharides Exhibit Antimicrobial and Antibiofilm Properties against Group B Streptococcus.

**ACS infectious diseases , Volume: 3 Issue: 8 2017 Aug 11**

**Authors Ackerman DL,Doster RS,Weitkamp JH,Aronoff DM,Gaddy JA,Townsend SD**

Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation.

**Food & function , Volume: 8 Issue: 5 2017 May 24**

**Authors Wang L,Hu L,Yan S,Jiang T,Fang S,Wang G,Zhao J,Zhang H,Chen W**

Effect of dietary supplementation with Lactobacillus acidophilus D2/CSL (CECT 4529) on caecum microbiota 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,Wiltfasky 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**  
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**

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**

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**

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.

**Gut , Volume: 66 Issue: 11 2017 Nov**

**Authors Vandepitte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J**

The Fungal Mycobiome and Its Interaction with Gut Bacteria in the Host.

**International journal of molecular sciences , Volume: 18 Issue: 2 2017 Feb 4**

**Authors Sam QH,Chang MW,Chai LY**

Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.

**Journal of dairy science , Volume: 100 Issue: 4 2017 Apr**

**Authors Boudry G,Hamilton MK,Chichlowski M,Wickramasinghe S,Barile D,Kalanetra KM,Mills DA,Raybould HE**

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**  
Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier

**World Journal of Gastroenterology , Volume: 23 Issue: 1 2017 Jan 7**

**Authors Zhou D,Pan Q,Xin FZ,Zhang RN,He CX,Chen GY,Liu C,Chen YW,Fan JG**

Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals.

**Proceedings of the National Academy of Sciences of the United States of America , Volume: 114 Issue: 3 2017 Jan 17**

**Authors Azcarate-Peril MA,Ritter AJ,Savaiano D,Monteagudo-Mera A,Anderson C,Magness ST,Klaenhammer TR**  
A metagenomic study of the preventive effect of *Lactobacillus rhamnosus* GG on intestinal polyp formation in *Apc<sup>Min/+</sup>* 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**

Gut-borne *Saccharomyces cerevisiae*, a promising candidate for the formulation of feed additives, modulates immune system and gut microbiota.

**Beneficial microbes , Volume: 7 Issue: 5 2016 Nov 30**

**Authors García G,Dogí C,de Moreno de LeBlanc A,Greco C,Cavagliari L**

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**

Oligofructose as an adjunct in treatment of diabetes in NOD mice.

**Scientific reports , Volume: 6 2016 Nov 22**

**Authors Chan C,Hyslop CM,Shrivastava V,Ochoa A,Reimer RA,Huang C**

Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.

**International journal of food microbiology , Volume: 241 2017 Jan 16**

**Authors Moens F,Verce M,De Vuyst L**

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 1921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.

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

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

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

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

**Authors Bunesova V,Lacroix C,Schwab C**

Dietary Chitosan Supplementation Increases Microbial Diversity and Attenuates the Severity of <i>Citrobacter rodentium</i> Infection in Mice.

**Mediators of inflammation , Volume: 2016 2016**

**Authors Guan G,Wang H,Chen S,Liu G,Xiong X,Tan B,Duraiapandian V,Al-Dhabi NA,Fang J**

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

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

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

Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.

**Scientific reports , Volume: 6 2016 Oct 3**

**Authors Smith-Brown P,Morrison M,Krause L,Davies PS**

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**

Healthy Subjects Differentially Respond to Dietary Capsaicin Correlating with Specific Gut Enterotypes.

**The Journal of clinical endocrinology and metabolism , Volume: 101 Issue: 12 2016 Dec**

**Authors Kang C,Zhang Y,Zhu X,Liu K,Wang X,Chen M,Wang J,Chen H,Hui S,Huang L,Zhang Q,Zhu J,Wang B,Mi M**

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.

**Journal of the science of food and agriculture , Volume: 97 Issue: 8 2017 Jun**

**Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD**

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,Casarim R,Ervolino E,Palioto DB,Souza SL,Taba M Jr,Novaes AB Jr,Messora MR**

In vitro analysis of partially hydrolyzed guar gum fermentation on identified gut microbiota.

**Anaerobe , Volume: 42 2016 Dec**

**Authors Carlson J,Gould T,Slavin J**

Iron Fortification of Foods for Infants and Children in Low-Income Countries: Effects on the Gut Microbiome, Gut Inflammation, and Diarrhea.

**Nutrients** , Volume: 8 Issue: 8 2016 Aug 12

Authors Paganini D,Uyoga MA,Zimmermann MB

An ATP Binding Cassette Transporter Mediates the Uptake of a(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.

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

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

Dietary Casein and Soy Protein Isolate Modulate the Effects of Raffinose and Fructooligosaccharides on the Composition and Fermentation of Gut Microbiota in Rats.

**Journal of food science** , Volume: 81 Issue: 8 2016 Aug

Authors Bai G,Ni K,Tsuruta T,Nishino N

Omega-3 polyunsaturated fatty acids critically regulate behaviour and gut microbiota development in adolescence and adulthood.

**Brain, behavior, and immunity** , Volume: 59 2017 Jan

Authors Robertson RC,Seira Oriach C,Murphy K,Moloney GM,Cryan JF,Dinan TG,Paul Ross R,Stanton C

The Gut Microbiota from Lean and Obese Subjects Contribute Differently to the Fermentation of Arabinogalactan and Inulin.

**PLoS one** , Volume: 11 Issue: 7 2016

Authors Aguirre M,Bussolo de Souza C,Venema K

Addition of arabinoxylan and mixed linkage glucans in porcine diets affects the large intestinal bacterial populations.

**European journal of nutrition** , Volume: 56 Issue: 6 2017 Sep

Authors Gorham JB,Kang S,Williams BA,Grant LJ,McSweeney CS,Gidley MJ,Mikkelsen D

Microbial Community of Healthy Thai Vegetarians and Non-Vegetarians, Their Core Gut Microbiota, and Pathogen Risk.

**Journal of microbiology and biotechnology** , Volume: 26 Issue: 10 2016 Oct 28

Authors Ruengsowong S,La-Ongkham O,Jiang J,Wannissorn B,Nakayama J,Nitisinprasert S

Infection Susceptibility in Gastric Intrinsic Factor (Vitamin B12)-Defective Mice Is Subject to Maternal Influences.

**mBio** , Volume: 7 Issue: 3 2016 Jun 21

Authors Mottram L,Speak AO,Selek RM,Cambridge EL,McIntyre Z,Kane L,Mukhopadhyay S,Grove C,Colin A,Brandt C,Duque-Correia MA,Forbester J,Nguyen TA,Hale C,Vassiliou GS,Arends MJ,Wren BW,Dougan G,Clare S

In vitro fermentation of sulfated polysaccharides from *E. coli* and *L. japonica* by human fecal microbiota.

**International journal of biological macromolecules** , Volume: 91 2016 Oct

Authors Kong Q,Dong S,Gao J,Jiang C

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

A proteomic approach towards understanding the cross talk between *Bacteroides fragilis* and *Bifidobacterium longum* in coculture.

**Canadian journal of microbiology** , Volume: 62 Issue: 7 2016 Jul

Authors Ríos-Covián D,Sánchez B,Martínez N,Cuesta I,Hernández-Barranco AM,de Los Reyes-Gavilán CG,Gueimonde M

Screening of Bifidobacteria and Lactobacilli Able to Antagonize the Cytotoxic Effect of *Clostridium difficile* upon Intestinal Epithelial HT29 Monolayer.

**Frontiers in microbiology** , Volume: 7 2016

Authors Valdés-Varela L,Alonso-Guervos M,García-Suárez O,Gueimonde M,Ruas-Madiedo P

Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.

**Poultry science** , Volume: 95 Issue: 11 2016 Nov 1

Authors Forte C,Acuti G,Manuali E,Casagrande Proietti P,Pavone S,Trabalza-Marinucci M,Moscati L,Onofri A,Lorenzetti C,Franciosini MP

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**

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 Krämer M,Ghanbari M,Domić KJ,Schedle K,Kneifel W**

Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.

**Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec**

**Authors Berding K,Wang M,Monaco MH,Alexander LS,Mudd AT,Chichlowski M,Waworuntu RV,Berg BM,Miller MJ,Dilger RN,Donovan SM**

Effect of Wheat Dietary Fiber Particle Size during Digestion In Vitro on Bile Acid, Faecal Bacteria and Short-Chain Fatty Acid Content.

**Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 71 Issue: 2 2016 Jun**

**Authors Dziedzic K,Szwengiel A,Górecka D,Gujska E,Kaczkowska J,Drozdzynska A,Walkowiak J**

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**

Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.

**Gut , Volume: 66 Issue: 5 2017 May**

**Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkouvardos I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D**

High purity galacto-oligosaccharides enhance specific *Bifidobacterium* species and their metabolic activity in the mouse gut microbiome.

**Beneficial microbes , Volume: 7 Issue: 2 2016**

**Authors Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA**

Microbial Metabolism Shifts Towards an Adverse Profile with Supplementary Iron in the TIM-2 In vitro Model of the Human Colon.

**Frontiers in microbiology , Volume: 6 2015**

**Authors Kortman GA,Dutilh BE,Maathuis AJ,Engelke UF,Boekhorst J,Keegan KP,Nielsen FG,Betley J,Weir JC,Kingsbury Z,Kluijtmans LA,Swinkels DW,Venema K,Tjalsma H**

The human milk oligosaccharide 2'-fucosyllactose augments the adaptive response to extensive intestinal.

**American journal of physiology. Gastrointestinal and liver physiology , Volume: 310 Issue: 6 2016 Mar 15**

**Authors Mezoff EA,Hawkins JA,Ollberding NJ,Karns R,Morrow AL,Helmrath MA**

Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets.

**The Journal of nutrition , Volume: 146 Issue: 2 2016 Feb**

**Authors Jacobi SK,Yatsunenko T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J**

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**

Effect of chito-oligosaccharides over human faecal microbiota during fermentation in batch cultures.

**Carbohydrate polymers , Volume: 137 2016 Feb 10**

**Authors Mateos-Aparicio I,Mengíbar M,Heras A**

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**

Prawn Shell Chitosan Has Anti-Obesogenic Properties, Influencing Both Nutrient Digestibility and Microbial Populations in a Pig Model.

**PLoS one , Volume: 10 Issue: 12 2015**

**Authors Egan ÁM,Sweeney T,Hayes M,O'Doherty JV**

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**

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,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR**

Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.

**Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov**

**Authors De Angelis M,MonTEMurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L**

[Lactobacillus rhamnosus GG inhibits Cronobacter-induced meningitis in neonatal rats].

**Nan fang yi ke da xue xue bao = Journal of Southern Medical University , Volume: 35 Issue: 8 2015 Aug**

**Authors Zhong L,Lin R,Long B,Wu X,Fan H**

In vitro digestion and fermentation properties of linear sugar-beet arabinan and its oligosaccharides.

**Carbohydrate polymers , Volume: 131 2015 Oct 20**

**Authors Moon JS,Shin SY,Choi HS,Joo W,Cho SK,Li L,Kang JH,Kim TJ,Han NS**

In vitro fermentation of lupin seeds (*Lupinus albus*) and broad beans (*Vicia faba*): dynamic modulation of the intestinal microbiota and metabolomic output.

**Food & function , Volume: 6 Issue: 10 2015 Oct**

**Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM**

Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.

**Biology of sex differences , Volume: 6 2015**

**Authors Shastri P,McCarville J,Kalmokoff M,Brooks SP,Green-Johnson JM**

Agave Inulin Supplementation Affects the Fecal Microbiota of Healthy Adults Participating in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial.

**The Journal of nutrition , Volume: 145 Issue: 9 2015 Sep**

**Authors Holscher HD,Bauer LL,Gourineni V,Pelkman CL,Fahey GC Jr,Swanson KS**

Antibacterial activity and mechanism of berberine against *Streptococcus agalactiae*.

**International journal of clinical and experimental pathology , Volume: 8 Issue: 5 2015**

**Authors Peng L,Kang S,Yin Z,Jia R,Song X,Li L,Li Z,Zou Y,Liang X,Li L,He C,Ye G,Yin L,Shi F,Lv C,Jing B**

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 Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.

**Journal of microbiology and biotechnology , Volume: 25 Issue: 9 2015 Sep**

**Authors Jung TH,Jeon WM,Han KS**

*Bacillus coagulans* GB-30, 6086 Modulates *Faecalibacterium prausnitzii* in Older Men and Women.

**The Journal of nutrition , Volume: 145 Issue: 7 2015 Jul**

**Authors Nyangale EP,Farmer S,Cash HA,Keller D,Chernoff D,Gibson GR**

Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.

**The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi , Volume: 65 Issue: 4 2015 Apr**

**Authors Shadnoush M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M**

Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets.

**The British journal of nutrition , Volume: 113 Issue: 10 2015 May 28**

**Authors Zhong Y,Marungruang N,Fåk F,Nyman M**

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,Hoeftinger I,Haslberger A**

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**

In vitro fermentation of fructooligosaccharides with human gut bacteria.

**Food & function , Volume: 6 Issue: 3 2015 Mar**

**Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W**

Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.

**Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun**

Authors Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM

Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber.

**The American journal of clinical nutrition , Volume: 101 Issue: 2 2015 Feb**

Authors Vitaglione P,Mennella I,Ferracane R,Rivellese AA,Giacco R,Ercolini D,Gibbons SM,La Storia A,Gilbert JA,Jonnalagadda S,Thielecke F,Gallo MA,Scalfi L,Fogliano V

Dietary Enterococcus faecalis LAB31 improves growth performance, reduces diarrhea, and increases fecal Lactobacillus number of weaned piglets.

**PLoS one , Volume: 10 Issue: 1 2015**

Authors Hu Y,Dun Y,Li S,Zhang D,Peng N,Zhao S,Liang Y

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

Consumption of partially hydrolysed guar gum stimulates Bifidobacteria and butyrate-producing bacteria in the human large intestine.

**Beneficial microbes , Volume: 6 Issue: 4 2015**

Authors Ohashi Y,Sumitani K,Tokunaga M,Ishihara N,Okubo T,Fujisawa T

Arabinoxylan in wheat is more responsible than cellulose for promoting intestinal barrier function in weaned male piglets.

**The Journal of nutrition , Volume: 145 Issue: 1 2015 Jan**

Authors Chen H,Wang W,Degroote J,Possemiers S,Chen D,De Smet S,Michiels J

Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.

**PLoS one , Volume: 9 Issue: 11 2014**

Authors Koleva P,Ketabi A,Valcheva R,Gänzle MG,Dieleman LA

Diets high in resistant starch and arabinoxylan modulate digestion processes and SCFA pool size in the large intestine and faecal microbial composition in pigs.

**The British journal of nutrition , Volume: 112 Issue: 11 2014 Dec 14**

Authors Nielsen TS,Lærke HN,Theil PK,Sørensen JF,Saarinen M,Forssten S,Knudsen KE

Prebiotic effect of an infant formula supplemented with galacto-oligosaccharides: randomized multicenter trial.

**Journal of the American College of Nutrition , Volume: 33 Issue: 5 2014**

Authors Giovannini M,Verduci E,Gregori D,Ballali S,Soldi S,Ghisleni D,Riva E,PLAGOS Trial Study Group.

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

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 Nyang'ale EP,Farmer S,Keller D,Chernoff D,Gibson GR

Long-term intake of a high prebiotic fiber diet but not high protein reduces metabolic risk after a high fat challenge and uniquely alters gut microbiota and hepatic gene expression.

**Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep**

Authors Saha DC,Reimer RA

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,Röytö 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****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****The effect of hydro alcoholic extract of seven plants on cariogenic bacteria—an in vitro evaluation.****Oral health and dental management , Volume: 13 Issue: 2 2014 Jun****Authors Kermanshah H,Kamangar SS,Arami S,Kamalinejad M,Karimi M,Mirsalehian A,Jabalameli F,Fard MJ****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****The metabolizable energy of dietary resistant maltodextrin is variable and alters fecal microbiota composition in adult men.****The Journal of nutrition , Volume: 144 Issue: 7 2014 Jul****Authors Baer DJ,Stote KS,Henderson T,Paul DR,Okuma K,Tagami H,Kanahori S,Gordon DT,Rumpler WV,Ukhanova M,Culpepper T,Wang X,Mai V****Antibacterial effect of Iranian green-tea-containing mouthrinse vs chlorhexidine 0.2%: an in vitro study.****Oral health & preventive dentistry , Volume: 12 Issue: 2 2014****Authors Ardakani MR,Golmohammadi S,Ayremiou S,Taheri S,Daneshvar S,Meimandi M****RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.****Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr****Authors Tannock GW,Lawley B,Munro K,Sims IM,Lee J,Butts CA,Roy N****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,Zigová J,Sturdík E****Selective proliferation of intestinal *Barnesiella* under fucosyllactose supplementation in mice.****The British journal of nutrition , Volume: 111 Issue: 9 2014 May****Authors Weiss GA,Chassard C,Hennet T****Chicory (*Cichorium intybus* L) and cereals differently affect gut development in broiler chickens and young pigs.****Journal of animal science and biotechnology , Volume: 4 Issue: 1 2013 Dec 17****Authors Liu H,Ivarsson E,Lundh T,Lindberg JE****Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.****Clinical nutrition (Edinburgh, Scotland) , Volume: 33 Issue: 6 2014 Dec****Authors Majid HA,Cole J,Emery PW,Whelan K****In vitro fermentation of NUTRIOSE(®) FB06, a wheat dextrin soluble fibre, in a continuous culture human colonic model system.****PLoS one , Volume: 8 Issue: 10 2013****Authors Hobden MR,Martin-Morales A,Guérin-Deremaux L,Wils D,Costabile A,Walton GE,Rowland I,Kennedy OB,Gibson GR**  
**Association of dietary type with fecal microbiota in vegetarians and omnivores in Slovenia.****European journal of nutrition , Volume: 53 Issue: 4 2014 Jun****Authors Matijašič BB,Obermajer T,Lipoglavšek L,Grabnar I,Avguštin G,Rogelj I****Strict vegetarian diet improves the risk factors associated with metabolic diseases by modulating gut microbiota and reducing intestinal inflammation.****Environmental microbiology reports , Volume: 5 Issue: 5 2013 Oct****Authors Kim MS,Hwang SS,Park EJ,Bae JW****Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.****Glycobiology , Volume: 23 Issue: 11 2013 Nov****Authors Yu ZT,Chen C,Newburg DS****[Food value of *cichorium intybus*].****Voprosy pitaniia , Volume: 82 Issue: 2 2013**

**Authors Luzina EV**

Effects of dietary supplementation of *Bacillus amyloliquefaciens* CECT 5940 and *Enterococcus faecium* CECT 4515 in adult healthy dogs.

**Archives of animal nutrition , Volume: 67 Issue: 5 2013**

**Authors** González-Ortiz G,Castillejos L,Mallo JJ,Àngels Calvo-Torras M,Dolores Baucells M

In vitro characterization of the impact of selected dietary fibers on fecal microbiota composition and short chain fatty acid production.

**Anaerobe , Volume: 23 2013 Oct**

**Authors** Yang J,Martínez I,Walter J,Keshavarzian A,Rose DJ

Effects of microencapsulated *Enterococcus faecalis* CG1.0007 on growth performance, antioxidation activity, and intestinal microbiota in broiler chickens.

**Journal of animal science , Volume: 91 Issue: 9 2013 Sep**

**Authors** Han W,Zhang XL,Wang DW,Li LY,Liu GL,Li AK,Zhao YX

Intestinal microbiology in early life: specific prebiotics can have similar functionalities as human-milk oligosaccharides.

**The American journal of clinical nutrition , Volume: 98 Issue: 2 2013 Aug**

**Authors** Oozeer R,van Limpt K,Ludwig T,Ben Amor K,Martin R,Wind RD,Boehm G,Knol J

Prebiotic effects of arabinoylan oligosaccharides on juvenile Siberian sturgeon (*Acipenser baerii*) with emphasis on the modulation of the gut microbiota using 454 pyrosequencing.

**FEMS microbiology ecology , Volume: 86 Issue: 2 2013 Nov**

**Authors** Geraylou Z,Souffreau C,Rurangwa E,Maes GE,Spanier KI,Courtin CM,Delcour JA,Buyse J,Olivier F

Fiber and prebiotics: mechanisms and health benefits.

**Nutrients , Volume: 5 Issue: 4 2013 Apr 22**

**Authors** Slavin J

Inulin-type fructans with different degrees of polymerization improve lipid metabolism but not glucose metabolism in rats fed a high-fat diet under energy restriction.

**Digestive diseases and sciences , Volume: 58 Issue: 8 2013 Aug**

**Authors** Han KH,Tsuchihira H,Nakamura Y,Shimada K,Ohba K,Aritsuka T,Uchino H,Kikuchi H,Fukushima M

Influence of coffee (*Coffea arabica*) and galacto-oligosaccharide consumption on intestinal microbiota and the host responses.

**FEMS microbiology letters , Volume: 343 Issue: 2 2013 Jun**

**Authors** Nakayama T,Oishi K

The effects of liquid versus spray-dried *Laminaria digitata* extract on selected bacterial groups in the piglet gastrointestinal tract (GIT) microbiota.

**Anaerobe , Volume: 21 2013 Jun**

**Authors** Murphy P,Dal Bello F,O'Doherty J,Arendt EK,Sweeney T,Coffey A

Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.

**FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun**

**Authors** Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS

In vitro fermentation of commercial  $\alpha$ -gluco-oligosaccharide by faecal microbiota from lean and obese human subjects.

**The British journal of nutrition , Volume: 109 Issue: 11 2013 Jun**

**Authors** Sarbini SR,Kolida S,Gibson GR,Rastall RA

Effects of oat  $\beta$ -glucan and barley  $\beta$ -glucan on fecal characteristics, intestinal microflora, and intestinal bacterial metabolites in rats.

**Journal of agricultural and food chemistry , Volume: 60 Issue: 45 2012 Nov 14**

**Authors** Shen RL,Dang XY,Dong JL,Hu XZ

Gut microbiome composition is linked to whole grain-induced immunological improvements.

**The ISME journal , Volume: 7 Issue: 2 2013 Feb**

**Authors** Martínez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota.

**Glycobiology , Volume: 23 Issue: 2 2013 Feb**

**Authors** Yu ZT,Chen C,Kling DE,Liu B,McCoy JM,Merighi M,Heidtman M,Newburg DS

Effects of cereal  $\beta$ -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**

Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.

**PLoS one , Volume: 7 Issue: 8 2012**

**Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L**

Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.

**FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan**

**Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C**

Effect of chito-oligosaccharide on growth performance, intestinal barrier function, intestinal morphology and cecal microflora in weaned pigs.

**Journal of animal science , Volume: 90 Issue: 8 2012 Aug**

**Authors Yang CM,Ferket PR,Hong QH,Zhou J,Cao GT,Zhou L,Chen AG**

Inulin modifies the bifidobacteria population, fecal lactate concentration, and fecal pH but does not influence iron absorption in women with low iron status.

**The American journal of clinical nutrition , Volume: 96 Issue: 2 2012 Aug**

**Authors Petry N,Egli I,Chassard C,Lacroix C,Hurrell R**

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,Socaciuc C**

Microbiota benefits after inulin and partially hydrolized guar gum supplementation: a randomized clinical trial in constipated women.

**Nutricion hospitalaria , Volume: 27 Issue: 1 2012 Jan-Feb**

**Authors Linetzky Waitzberg D,Alves Pereira CC,Logullo L,Manzoni Jacintho T,Almeida D,Teixeira da Silva ML,Matos de Miranda Torrinhas RS**

Effects of disodium fumarate on ruminal fermentation and microbial communities in sheep fed on high-forage diets.

**Animal : an international journal of animal bioscience , Volume: 6 Issue: 5 2012 May**

**Authors Zhou YW,McSweeney CS,Wang JK,Liu JX**

The antimicrobial action of chitosan, low molar mass chitosan, and chitooligosaccharides on human colonic bacteria.

**Folia microbiologica , Volume: 57 Issue: 4 2012 Jul**

**Authors Simunek J,Brandysová V,Koppová I,Simunek J Jr**

Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal inflammation and Smad 7 cell signaling.

**FEMS immunology and medical microbiology , Volume: 65 Issue: 3 2012 Aug**

**Authors Foye OT,Huang IF,Chiou CC,Walker WA,Shi HN**

The effects of seaweed extract inclusion on gut morphology, selected intestinal microbiota, nutrient digestibility, volatile fatty acid concentrations and the immune status of the weaned pig.

**Animal : an international journal of animal bioscience , Volume: 2 Issue: 10 2008 Oct**

**Authors Reilly P,O'Doherty JV,Pierce KM,Callan JJ,O'Sullivan JT,Sweeney T**

Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

**The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr**

**Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM**

Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.

**The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14**

**Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA**

Faecal microbiota composition in vegetarians: comparison with omnivores in a cohort of young women in southern India.

**The British journal of nutrition , Volume: 108 Issue: 6 2012 Sep 28**

**Authors Kabeerdoss J,Devi RS,Mary RR,Ramakrishna BS**

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**

In vitro fermentation of sugar beet arabino-oligosaccharides by fecal microbiota obtained from patients with ulcerative colitis to selectively stimulate the growth of *Bifidobacterium* spp. and *Lactobacillus* spp.

**Applied and environmental microbiology , Volume: 77 Issue: 23 2011 Dec**

Authors Vigsnæs LK,Holck J,Meyer AS,Licht TR

Arabinoxylans and inulin differentially modulate the mucosal and luminal gut microbiota and mucin-degradation in humanized rats.

**Environmental microbiology , Volume: 13 Issue: 10 2011 Oct**

Authors Van den Abbeele P,Gérard P,Rabot S,Bruneau A,El Aidy S,Derrien M,Kleerebezem M,Zoetendal EG,Smidt H,Verstraete W,Van de Wiele T,Possemiers S

A vegan or vegetarian diet substantially alters the human colonic faecal microbiota.

**European journal of clinical nutrition , Volume: 66 Issue: 1 2012 Jan**

Authors Zimmer J,Lange B,Frick JS,Sauer H,Zimmermann K,Schwierz A,Rusch K,Klosterhalfen S,Enck P

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,Itoh A,Miyawaki K,Koike S,Iwabuchi O,Imura 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,Ortíz LT,Treviño J,Alzueta C

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

The effects of laminarin derived from *Laminaria digitata* on measurements of gut health: selected bacterial populations, intestinal fermentation, mucin gene expression and cytokine gene expression in the pig.

**The British journal of nutrition , Volume: 105 Issue: 5 2011 Mar**

Authors Smith AG,O'Doherty JV,Reilly P,Ryan MT,Bahar B,Sweeney T

The pathogenicity of an enteric *Citrobacter rodentium* Infection is enhanced by deficiencies in the antioxidants selenium and vitamin E.

**Infection and immunity , Volume: 79 Issue: 4 2011 Apr**

Authors Smith AD,Botero S,Shea-Donohue T,Urban JF Jr

The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Côte d'Ivoire.

**The American journal of clinical nutrition , Volume: 92 Issue: 6 2010 Dec**

Authors Zimmermann MB,Chassard C,Rohner F,Ngoran EK,Nindjin C,Dostal A,Utzinger J,Ghattas H,Lacroix C,Hurrell RF

Effect of β-glucanase and xylanase supplementation of barley- and rye-based diets on caecal microbiota of broiler chickens.

**British poultry science , Volume: 51 Issue: 4 2010 Aug**

Authors Jozefiak D,Rutkowski A,Kaczmarek S,Jensen BB,Engberg RM,Højberg O

[Functional biostructure of colonic microbiota (central fermenting area, germinal stock area and separating mucus layer) in healthy subjects and patients with diarrhea treated with *Saccharomyces boulardii*].

**Gastroenterologie clinique et biologique , Volume: 34 Suppl 1 2010 Sep**

Authors Swidsinski A,Loening-Baucke V,Kirsch S,Doerrfel Y

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

Consumption of human milk oligosaccharides by gut-related microbes.

**Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12**

Authors Marcabal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA

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

Evaluation of prebiotic potential of refined psyllium (*Plantago ovata*) fiber in healthy women.

**Journal of clinical gastroenterology , Volume: 42 Suppl 3 Pt 2 2008 Sep**

Authors Elli M,Cattivelli D,Soldi S,Bonatti M,Morelli L

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

Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.

**Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug**

*Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG*

In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.

**FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun**

*Authors Hughes SA,Shewry PR,Gibson GR,McClean 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*

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*

Evaluation of fermentable oligosaccharides in diets fed to dogs in comparison to fiber standards.

**Journal of animal science , Volume: 85 Issue: 11 2007 Nov**

*Authors Middelbos IS,Fastinger ND,Fahey GC Jr*

Lactulose feeding lowers cecal densities of clostridia in piglets.

**JPEN. Journal of parenteral and enteral nutrition , Volume: 31 Issue: 3 2007 May-Jun**

*Authors Kien CL,Blauwiekel R,Williams CH,Bunn JY,Buddington RK*

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*

Final report on the safety assessment of capsicum annuum extract, capsicum annuum fruit extract, capsicum annuum resin, capsicum annuum fruit powder, capsicum frutescens fruit, capsicum frutescens fruit extract, capsicum frutescens resin, and capsaicin.

**International journal of toxicology , Volume: 26 Suppl 1 2007**

*Authors*

Impact of consumption of different levels of Bifidobacterium lactis HN019 on the intestinal microflora of elderly human subjects.

**The journal of nutrition, health & aging , Volume: 11 Issue: 1 2007 Jan-Feb**

*Authors Ahmed M,Prasad J,Gill H,Stevenson L,Gopal P*

Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.

**Asia Pacific journal of clinical nutrition , Volume: 16 Issue: 1 2007**

*Authors Kim SH,Lee DH,Meyer D*

Effect of chitosan on the growth of human colonic bacteria.

**Folia microbiologica , Volume: 51 Issue: 4 2006**

*Authors Simunek J,Tishchenko G,Hodrová B,Bartonová H*

Effects of Bifidobacterium lactis Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.

**Journal of clinical microbiology , Volume: 44 Issue: 11 2006 Nov**

*Authors Mohan R,Koebrick 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*

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*

Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.

**Acta paediatrica (Oslo, Norway : 1992). Supplement , Volume: 94 Issue: 449 2005 Oct**

*Authors Knol J,Boehm G,Lidestri M,Negratti F,Jelinek J,Agosti M,Stahl B,Marini A,Mosca F*

Molecular and microbiological analysis of caecal microbiota in rats fed with diets supplemented either with prebiotics or probiotics.

**International journal of food microbiology , Volume: 98 Issue: 3 2005 Feb 15**

**Authors Montesi A,García-Albiach R,Pozuelo MU,Pintado C,Goñi I,Rotger R**

Microbiological effects of consuming a probiotic containing Bifidobacterium bifidum, Bifidobacterium lactis, and oligofructose in elderly persons, determined by real-time polymerase chain reaction and counting of viable bacteria.

**Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 40**

**Issue: 1 2005 Jan 1**

**Authors Bartosch S,Woodmansey EJ,Paterson JC,McMurdo ME,Macfarlane GT**

Contribution of acetate to butyrate formation by human faecal bacteria.

**The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun**

**Authors Duncan SH,Holtrop G,Lobleby GE,Calder AG,Stewart CS,Flint HJ**

Lactulose ingestion increases faecal bifidobacterial counts: a randomised double-blind study in healthy humans.

**European journal of clinical nutrition , Volume: 58 Issue: 3 2004 Mar**

**Authors Bouhnik Y,Attar A,Joly FA,Riottot M,Dyard F,Flourié B**

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,Triandafiliou A,Ekonomidou C,Kontaxaki F,Petrochilou V**

Partially hydrolyzed guar gum: clinical nutrition uses.

**Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 19 Issue: 6 2003 Jun**

**Authors Slavin JL,Greenberg NA**

Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.

**The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec**

**Authors Dongowski G,Huth M,Gebhardt E,Flamme W**

Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.

**Applied and environmental microbiology , Volume: 68 Issue: 10 2002 Oct**

**Authors Apajalahti JH,Kettunen H,Kettunen A,Holben WE,Nurminen PH,Rautonen N,Mutanen M**

Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.

**The British journal of nutrition , Volume: 88 Suppl 1 2002 Sep**

**Authors Bomba A,Nemcová R,Gancarcíková S,Herich R,Guba P,Mudronová D**

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**

The prebiotic effects of biscuits containing partially hydrolysed guar gum and fructo-oligosaccharides—a human volunteer study.

**The British journal of nutrition , Volume: 86 Issue: 3 2001 Sep**

**Authors Tuohy KM,Kolida S,Lustenberger AM,Gibson GR**

Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.

**The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug**

**Authors Kleessen B,Hartmann L,Blaut M**

Enrichment of bifidobacteria in the hen caeca by dietary inulin.

**Folia microbiologica , Volume: 46 Issue: 1 2001**

**Authors Rada V,Dusková D,Marounek M,Petr J**

Suppressive effects of bifidobacteria on lipid peroxidation in the colonic mucosa of iron-overloaded mice.

**Journal of dairy science , Volume: 84 Issue: 7 2001 Jul**

**Authors Ito M,Sawada H,Ohishi K,Yoshida Y,Yokoi W,Watanabe T,Yokokura T**

Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.

**Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May**

**Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG**

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

Mechanism of inhibition of tannic acid and related compounds on the growth of intestinal bacteria.

**Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 36 Issue: 12 1998 Dec**

Authors Chung KT,Lu Z,Chou MW

Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.

**Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct**

Authors Sghir A,Chow JM,Mackie RI

Health benefits of non-digestible oligosaccharides.

**Advances in experimental medicine and biology , Volume: 427 1997**

Authors Roberfroid MB

Effects of lactulose and lactitol on colonic microflora and enzymatic activity.

**Scandinavian journal of gastroenterology. Supplement , Volume: 222 1997**

Authors Ballongue J,Schumann C,Quignon P

Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.

**The American journal of clinical nutrition , Volume: 65 Issue: 5 1997 May**

Authors Kleessen B,Sykura B,Zunft HJ,Blaut M

Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture.

**FEMS microbiology letters , Volume: 118 Issue: 1-2 1994 May 1**

Authors Gibson GR,Wang X

Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin.

**Gastroenterology , Volume: 108 Issue: 4 1995 Apr**

Authors Gibson GR,Beatty ER,Wang X,Cummings JH

The 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

Influence of different dietary regimens upon the composition of the human fecal flora.

**Progress in food & nutrition science , Volume: 7 Issue: 3-4 1983**

Authors Noack-Loebel C,Küster E,Rusch V,Zimmermann K

Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.

**The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar**

Authors Slade AP,Wyatt GM,Bayliss CE,Waites WM

Diet and faecal flora in the newborn: iron.

**Archives of disease in childhood , Volume: 66 Issue: 12 1991 Dec**

Authors Balmer SE,Wharton BA

[Antimicrobial and microbicidal activities of tea and catechins against Mycoplasma].

**Kansenshogaku zasshi. The Journal of the Japanese Association for Infectious Diseases , Volume: 66 Issue: 5 1992 May**

Authors Chosa H,Toda M,Okubo S,Hara Y,Shimamura T

Reduction of duration and severity of megalide seizures in rats on a folic acid deficient diet.

**Epilepsia , Volume: 18 Issue: 4 1977 Dec**

Authors Hommes OR,ten Bergé EJ,Jansen MJ,Kok JC

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**