

## Microbiome Information for: Carcinoma

### 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 have 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 Carcinoma

*Nota Benia:* 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
Anaerotruncus	genus	Low	244127	Lachnospiraceae	genus	High	1506553
Bilophila	genus	High	35832	Mitsuokella	genus	High	52225
Campylobacter	genus	High	194	Nocardia	genus	High	1817
Coprobacillus	genus	High	100883	Oscillibacter	genus	High	459786
Eggerthella	genus	High	84111	Parvimonas	genus	High	543311
Escherichia	genus	High	561	Porphyromonas	genus	High	836
Fusobacterium	genus	High	848	Prevotella	genus	High	838
Haemophilus	genus	High	724	Streptococcus	genus	High	1301
Klebsiella	genus	High	570	Fusobacterium nucleatum	species	High	851
				Porphyromonas gingivalis	species	High	837

## 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.

1,4- $\alpha$ -D-glucan branched {Amylopectin}		long-term, moderate-intensity exercise {exercise}
2-hydroxyethyl)trimethylazanium {choline}	1 g/day	Malus domestica {apple}
Adeps suillus {Lard}		non-starch polysaccharides
$\alpha$ -Gluco-oligosaccharides {GOS}		Outer Layers of Triticum aestivum {Wheat Bran}
amaranthus {amaranth}		Phaseolus vulgaris {Boston bean}
arabinogalactan {arabinogalactan}	21 gram/day	Poly[ $\beta$ -D-Xylopyranose(1->4)] {Xylan}
Avena sativa {Oats}		pseudo-cereals {amaranth,quinoa, taro,buckwheat}
blueberry		Pulses, Beans
Cannabis sativa {Marijuana}		Pulvis ledebouriellae compositae {Bofutsushosan}
cholic,taurocholic ,chenodeoxycholic,glycocholic acids {Bile supplements}		raffinose {sugar beet}
Cucurbita pepo {Pumpkin}		red wine 250 ml/day
Escherichia coli cryodesiccata {colinfant probiotics}		Sleep apnea {partial sleep deprivation}
fat		$\beta$ -glucan {Beta-Glucan} 500 mg/day
Heyndrickxia coagulans {B. coagulans}	10 BCFU/day	synthetic disaccharide derivative of lactose {Lactulose}
High-amylose maize starch {HAMS}		Tobacco consumption {Smoking}
Hordeum vulgare {Barley}	60 gram/day	Tributyrin
Lacticaseibacillus rhamnosus {L. rhamnosus}	48 BCFU/day	Ulmus rubra {slippery elm}
Linum usitatissimum {Flaxseed}	30 mg/day	wheat
Litchi chinensis {lychee fruit}		Zea mays {maize}
		$\beta$ -lactoglobulin {Whey} 60 gram/day

## Retail Probiotics

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

spain (es) / muvagyn probiotico  
Pregnancy Care Probiotic  
Biomed / Bacillus Coagulans  
vitamin angels / just thrive  
Sun Wave Pharma/Bio Sun Instant  
nature's way (au) / adult vita gummies daily probiotic 80s  
ProGoes® Forte  
organic 3 / primal soil  
naturopathica (au) / gastrohealth probiotic adults 50+  
Metabolics / Lactobacillus Rhamnosus Powder  
Maple Life Science™ / Streptococcus faecalis butyricum mesentericus sporogenes  
BIO-BOTANICAL RESEARCH / Megacidin  
reserveage nutrition / beautiflora  
optibac / for those on antibiotics  
Bromatech (IT) / Lautoselle  
custom probiotics / d-lactate free probiotics powder  
spain (es) / ns defenbiotic kids  
CustomProbiotics.com / L. Rhamnosus Probiotic Powder  
blackmore (au) / probiotics+ eczema relief  
Jetson / FIT  
source naturals / duraflora  
thorne / bacillus coagulansvet 60 caps  
Bulk Probiotics / L. Rhamnosus Probiotic Powder  
enviromedica terraflora sbo probiotic  
Jetson (US) / Mood Probiotics  
schiff / digestive advantage  
daiichi sankyo healthcare (jp) / panlacmin tablet  
CVSHealth / Daily Probiotic  
Bromatech (IT) / Serobiome  
corebiotic  
Bulk Probiotics / Bacillus Coagulans Probiotic  
Nutrition Essentials / Probiotic (900 BCFU)  
Ombre / Harmony  
microbiome labs/ megasporebiotic  
klaire labs / biospora  
jarrow formulas / jarro-dophilus mood  
perfect pass / perfect pass probiotic bacillus spore  
spain (es) / ns florabiotic instant  
global health trax / threelac  
Law of Nature / Best Days Formula  
naturopathica (au)/ gastrohealth probiotic daily care  
bio-botanical research / proflora4r restorative probiotic  
Bromatech (IT) / Ramnoselle  
nature's instincts / ultra spore probiotic  
Biorela® Daily

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

## Substance to Consider Reducing or Eliminating

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

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

2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4H-chromen-4-one

{Luteolin}

allium sativum {garlic}

Azadirachta indica {Neem}

bifidobacterium bifidum {B. bifidum}

chlorhexidine

Cinnamomum zeylanicum {Ceylon Cinnamon}

Curcuma longa {Turmeric}

Cymbopogon citratus {Lemongrass}

D(-)-Fructose {Fruit sugar}

Diferuloylmethane {Curcumin}

enterococcus faecium {E. faecium}

green tea

Honey {Honey }

isoflavones {Dietary phytoestrogens}

Lacticaseibacillus casei {L. casei}

Lacticaseibacillus paracasei {L.paracasei}

Lactobacillus plantarum {L. plantarum}

Limosilactobacillus reuteri {L. Reuteri}

Menta × piperita {peppermint}

Mentha spicata {Spearmint}

Metha family {Mint}

Olea europaea {Olive leaf}

origanum vulgare {oregano}

Pistacia lentiscus {mastic gum}

Probiotic Mixture 2 {Vetafarm Probiotic}

Propolis {Bee glue}

resveratrol-pterostilbene {grapes, blueberries}

rosmarinus officinalis {rosemary}

soy

Thymus vulgaris {thyme}

Vaccinium {Cranberry}

yogurt

Zingiber officinale Roscoe {ginger}

## Sample of Literature Used

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

- [Fusobacterium Nucleatum Promotes Microsatellite Instability in Colorectal Carcinoma Through Up-regulation of miRNA-155-5p-Targeted Inhibition of MSH6 via the TLR4/NF-?B Signaling Pathway.](#)  
Advanced biology , 2024 Sep 27  
Authors Wang P,Huang Q,Zhu Y,Chen L,Ye K  
[Porphyromonas gingivalis promotes the occurrence of esophageal squamous cell carcinoma via an inflammatory microenvironment].  
Zhonghua zhong liu za zhi [Chinese journal of oncology] , Volume: 46 Issue: 8 2024 Aug 23  
Authors Xu HJ,Qi YJ,Wu DR,Liu QW,Chen P,Li MX,Jiao YL,Ruan HJ,Li ZT,Gao SG  
Nocardia in an Immunocompetent Patient Simulating Pulmonary Carcinoma: A Case Report and Literature Review.  
Cureus , Volume: 16 Issue: 7 2024 Jul  
Authors Garcia Rueda JE,García Rueda KY,Bermúdez Flórez AM,Peña Mejía LA,Cardona Palacio A,Castaño Ruiz W  
Lachnospiraceae intestinal flora is associated with immunotherapy efficacy in nasopharyngeal carcinoma.  
Head & neck , 2024 Aug 12  
Authors Yu Z,Wang Q,Wang Z,Liu S,Xia T,Duan C,Liu Y,Ding X,Chen S,Yu T,You R,Chen M,Huang P  
Unveiling the Hidden Links: Periodontal Disease, Fusobacterium Nucleatum, and Cancers.  
Current oncology reports , Volume: 26 Issue: 11 2024 Nov  
Authors Akbari E,Epstein JB,Samim F  
Co-enrichment of cancer-associated bacterial taxa is correlated with immune cell infiltrates in esophageal tumor tissue.  
Scientific reports , Volume: 14 Issue: 1 2024 Jan 31  
Authors Greathouse KL,Stone JK,Vargas AJ,Choudhury A,Padgett RN,White JR,Jung A,Harris CC  
A Metagenomic Meta-analysis Reveals Functional Signatures of Health and Disease in the Human Gut Microbiome.  
mSystems , Volume: 4 Issue: 4 2019 Jul-Aug  
Authors Armour CR,Nayfach S,Pollard KS,Sharpton TJ  
Dry ginger and Schisandra chinensis modulate intestinal flora and bile acid metabolism to treat asthma.  
Frontiers in microbiology , Volume: 16 2025  
Authors Yu Y,Geng S,Bu C,Cao G,Han Y,Xie D,Hong Y  
Alleviation effects of Lactobacillus plantarum in colitis aggravated by a high-salt diet depend on intestinal barrier protection, NF-?B pathway regulation, and oxidative stress improvement.  
Food & function , 2025 Mar 20  
Authors Chen Y,Liu N,Chen F,Liu M,Mu Y,Wang C,Xia L,Peng M,Zhou M  
Correlation between daily physical activity and intestinal microbiota in perimenopausal women.  
Sports medicine and health science , Volume: 7 Issue: 3 2025 May  
Authors Zheng Y,Ke J,Song J,Li X,Kuang R,Wang H,Li S,Li Y  
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  
Probiotic treatment induces changes in intestinal microbiota but does not alter SCFA levels in peritoneal dialysis patients-a randomized, placebo-controlled trial.  
Scientific reports , Volume: 14 Issue: 1 2024 Dec 28  
Authors Zhou S,Yan Y,Chu R,Chen N,Wang L,Zhang H,Wang Y,Wang M,Na L,Ren H,Chen M,Li PK,Tian N  
Altered interaction network in the gut microbiota of current cigarette smokers.  
Engineering microbiology , Volume: 4 Issue: 2 2024 Jun  
Authors Zhu Z,Wang M,Guan Y,Li M,Peng Q,Zheng N,Ma W  
Heat-Killed Lactobacillus paracasei SMB092 Reduces Halitosis by Stimulating the Expression of ?-Defensins in Oral Keratinocytes.  
Microorganisms , Volume: 12 Issue: 11 2024 Oct 25  
Authors Kim WJ,Jung G,Kim T,Kim J,Hurh BS,Kim H,Soung DY  
Lacticaseibacillus rhamnosus LRa05 alleviates cyclophosphamide-induced immunosuppression and intestinal microbiota disorder in mice.  
Journal of food science , Volume: 89 Issue: 12 2024 Dec  
Authors Zhu M,Yang L,Kong S,Bai Y,Zhao B  
Associations of alcohol intake with gut microbiome: a prospective study in a predominantly low-income Black/African American population.  
The American journal of clinical nutrition , 2024 Nov 11

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

Protective effects of a lactobacilli mixture against Alzheimer's disease-like pathology triggered by Porphyromonas gingivalis.

**Scientific reports , Volume: 14 Issue: 1 2024 Nov 8**

**Authors Kazemi N,Khorasgani MR,Noorbakhshnia M,Razavi SM,Narimani T,Naghsh N**

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

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

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

Synergistic Effect of Metronidazole and Chlorhexidine against Porphyromonas gingivalis Growth: An In Vitro Study.

**Dentistry journal , Volume: 12 Issue: 10 2024 Sep 27**

**Authors Lorenzi C,Lio F,Mazzetti V,Carosi P,Lamelza S,Pistoia ES,Pica F,Gaziano R**

Lacticaseibacillus paracasei NCU-O4 relieves constipation and the depressive-like behaviors induced by loperamide in mice through the microbiome-gut-brain axis.

**Current research in food science , Volume: 9 2024**

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

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

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

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

Dietary Fermented Blueberry Pomace Supplementation Improves Small Intestinal Barrier Function and Modulates Cecal Microbiota in Aged Laying Hens.

**Animals : an open access journal from MDPI , Volume: 14 Issue: 19 2024 Sep 26**

**Authors Qin B,Li Z,Zhu Q,Chen T,Lan W,Cui Y,Azad MAK,Kong X**

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

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

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

Effects of Mint Oils on the Human Oral Microbiome: A Pilot Study.

**Microorganisms , Volume: 12 Issue: 8 2024 Jul 27**

**Authors Abdelrahman SM,EI Samak M,EI-Baz LMF,Hanora AMS,Satyal P,Dosoky NS**

In Vitro and In Silico Studies of the Antimicrobial Activity of Prenylated Phenylpropanoids of Green Propolis and Their Derivatives against Oral Bacteria.

**Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 8 2024 Aug 22**

**Authors Vieira TM,Barco JG,de Souza SL,Santos ALO,Daoud I,Rahali S,Amdouni N,Bastos JK,Martins CHG,Ben Said R,Crotti AEM**

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

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

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

Examination of sex-specific interactions between gut microbiota and host metabolism after 12-week combined polyphenol supplementation in individuals with overweight or obesity.

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

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

Dietary Polycan, a  $\beta$ -glucan originating from *Aureobasidium pullulans*SM-2001, attenuates high-fat-diet-induced intestinal barrier damage in obese mice by modulating gut microbiota dysbiosis.

**Food science & nutrition , Volume: 12 Issue: 8 2024 Aug**

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

Propolis as a functional food and promising agent for oral health and microbiota balance: A review study.

**Food science & nutrition , Volume: 12 Issue: 8 2024 Aug**

**Authors Etebarian A,Alhouei B,Mohammadi-Nasrabadi F,Esfarjani F**

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

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

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

Preventive effect of Lacticaseibacillus paracasei LMT18-32 on Porphyromonas gingivalis induced periodontitis.

**Food science and biotechnology , Volume: 33 Issue: 9 2024 Jul**

**Authors Choi WJ,Cho SK,Dong HJ,Kim TH,Soon J,LEE HJ,Yoon KH,Kwak S,Yun J**

Luteolin, a natural flavonoid, exhibits a protective effect on intestinal injury induced by soybean meal in early-weaned piglets.

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

**Authors Liang X,Zheng S,Zhou Y,Li J,Zhang Z**

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

**Microorganisms** , Volume: 12 Issue: 7 2024 Jul 6

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

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

**Frontiers in veterinary science** , Volume: 11 2024

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

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

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

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

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

**Food & function** , 2024 Jul 19

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

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

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

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

Barley polysaccharides inhibit colorectal cancer by two relatively independent pathways.

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

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

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

**Nutrients** , Volume: 16 Issue: 13 2024 Jul 4

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

Honey microbiota, methods for determining the microbiological composition and the antimicrobial effect of honey - A review.

**Food chemistry: X** , Volume: 23 2024 Oct 30

Authors Luca L,Pauliuc D,Oroian M

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

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

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

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

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

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

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

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

**Journal of agricultural and food chemistry** , 2024 Jun 5

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

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

**Medicine** , Volume: 103 Issue: 21 2024 May 24

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Nutrients , Volume: 16 Issue: 7 2024 Apr 5**

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

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

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

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

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**

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

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

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

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

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

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

Effects of Supplementation with Oregano Essential Oil during Late Gestation and Lactation on Serum Metabolites,

Antioxidant Capacity and Fecal Microbiota of Sows.

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

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

Lactobacillus paracasei ZFM54 alters the metabolomic profiles of yogurt and the co-fermented yogurt improves the gut microecology of human adults.

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

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

In vitro human gut microbiota fermentation of litchi pulp polysaccharides as affected by Lactobacillus pre-treatment.

**Food chemistry , Volume: 445 2024 Jul 1**

**Authors Xia C,Zhang R,Jia X,Dong L,Ma Q,Zhao D,Kun Lee Y,Sun Z,Huang F,Zhang M**

Integrating fecal metabolomics and intestinal microbiota to study the mechanism of cannabidiol in the treatment of idiopathic pulmonary fibrosis.

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

**Authors Sun M,Zhang F,Lu F,Yu D,Wang Y,Chen P,Liu S**

Lacticaseibacillus paracasei CCFM1222 Ameliorated the Intestinal Barrier and Regulated Gut Microbiota in Mice with Dextran Sulfate Sodium-Induced Colitis.

**Probiotics and antimicrobial proteins , 2024 Feb 20**

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

High colonisation by probiotic Escherichia coli A0 34/86 strain is associated with a less diverse microbiome related to children's age.

**Beneficial microbes , Volume: 15 Issue: 1 2024 Jan 23**

**Authors Micenková L,Brodi Ková K,Smetanová S,Bosák J,Šmajš D,Andrla P,Budinská E**

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

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

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

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

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

**Authors Li C,Shi S**

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

**Nutrients , Volume: 16 Issue: 2 2024 Jan 12**

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

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

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

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

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

**In vitro fermentation characteristics of blueberry anthocyanins and their impacts on gut microbiota from obese human.**

**Food research international (Ottawa, Ont.) , Volume: 176 2024 Jan**

**Authors Xu L,Tang Z,Herrera-Balandrano DD,Qiu Z,Li B,Yang Y,Huang W**

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

**The Journal of nutritional biochemistry , Volume: 125 2024 Mar**

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

**Insoluble/soluble fraction ratio determines effects of dietary fiber on gut microbiota and serum metabolites in healthy mice.**

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

**Authors Zhang Y,Hu J,Zhong Y,Liu S,Liu L,Mu X,Chen C,Yang S,Li G,Zhang D,Huang X,Yang J,Huang X,Bian S,Nie S**

**Curcumin alleviates traumatic brain injury induced by gas explosion through modulating gut microbiota and suppressing the LPS/TLR4/MyD88/NF-?B pathway.**

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

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

**Benefits of tributyrin on growth performance, gastrointestinal tract development, ruminal bacteria and volatile fatty acid formation of weaned Small-Tailed Han lambs.**

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

**Authors Li Z,Wang X,Wang W,An R,Wang Y,Ren Q,Xuan J**

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

**Probiotics and antimicrobial proteins , 2023 Nov 28**

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

**Influence of Prolonged Whole Egg Supplementation on Insulin-like Growth Factor 1 and Short-Chain Fatty Acids Product: Implications for Human Health and Gut Microbiota.**

**Nutrients , Volume: 15 Issue: 22 2023 Nov 16**

**Authors Suta S,Ophakas S,Manosan T,Honwichit O,Charoensiddhi S,Surawit A,Pongkunakorn T,Pumeiam S,Mongkolsucharitkul P,Pinsawas B,Sutheeworapong S,Puangsombat P,Khoomrung S,Mayurasakorn K**

**Cannabis and Endometriosis: The Roles of the Gut Microbiota and the Endocannabinoid System.**

**Journal of clinical medicine , Volume: 12 Issue: 22 2023 Nov 13**

**Authors Farooqi T,Bhuyan DJ,Low M,Sinclair J,Leonardi M,Armour M**

***Lactobacillus paracasei* Relieves Constipation by Acting on the Acetic Acid-5-HT-Intestinal Motility Pathway.**

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

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

**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**

**Effects of Walnut and Pumpkin on Selective Neurophenotypes of Autism Spectrum Disorders: A Case Study.**

**Nutrients , Volume: 15 Issue: 21 2023 Oct 27**

**Authors El-Ansary A,Al-Ayadhi L**

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

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

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

**Antimicrobial Effects of Edible Mixed Herbal Extracts on Oral Microorganisms: An In Vitro Study.**

**Medicina (Kaunas, Lithuania) , Volume: 59 Issue: 10 2023 Oct 4**

**Authors Yun SE,Choi BR,Nam SH,Kim GC**

**Short-term dietary choline supplementation alters the gut microbiota and liver metabolism of finishing pigs.**

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

**Authors Xie Z,Du J,Gan M,Zhou C,Li M,Liu C,Wang M,Chen L,Zhao Y,Wang Y,Jiang Y,Cheng W,Zhu K,Luo Y,Zhu L,Shen L**

Regulatory effect of lactulose on intestinal flora and serum metabolites in colitis mice: In vitro and in vivo evaluation.

**Food chemistry: X , Volume: 19 2023 Oct 30**

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

Blueberry and Blackberry Anthocyanins Ameliorate Metabolic Syndrome by Modulating Gut Microbiota and Short-Chain Fatty Acids Metabolism in High-Fat Diet-Fed C57BL/6J Mice.

**Journal of agricultural and food chemistry , Volume: 71 Issue: 40 2023 Oct 11**

**Authors Du L,Lü H,Chen Y,Yu X,Jian T,Zhao H,Wu W,Ding X,Chen J,Li W**

Genomic DNA Extracted from Lactiplantibacillus plantarum Attenuates Porphyromonas gingivalis Lipopolysaccharide (LPS)-Induced Inflammatory Responses via Suppression of Toll-Like Receptor (TLR)-Mediated Mitogen-Activated Protein Kinase (MAPK) and Nuclear Factor-?B (NF-?B) Signaling Pathways.

**Food science of animal resources , Volume: 43 Issue: 5 2023 Sep**

**Authors Choi YH,Kim BS,Kang SS**

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

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

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

Bifidobacterium animalis subsp. lactis HN019 has antimicrobial activity against endodontic pathogens in vitro.

**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , 2023 Aug 26**

**Authors Araujo LDC,da Silva RAB,Silva CMPC,Salvador SLS,Messora MR,Furlaneto FAC,Mastrange MDA,Pucinelli CM,da Silva LAB**

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

**Tobacco induced diseases , Volume: 21 2023**

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

Lactobacillus rhamnosus GG ATCC53103 and Lactobacillus plantarum JL01 improved nitrogen metabolism in weaned piglets by regulating the intestinal flora structure and portal vein metabolites.

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

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

Flaxseed Bioactive Compounds: Chemical Composition, Functional Properties, Food Applications and Health Benefits-Related Gut Microbes.

**Foods (Basel, Switzerland) , Volume: 11 Issue: 20 2022 Oct 21**

**Authors Mueed A,Shibli S,Korma SA,Madjirebaye P,Esatbeyoglu T,Deng Z**

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**

Goat and cow milk differ in altering the microbiota composition and neurotransmitter levels in insomnia mouse models.

**Food & function , Volume: 14 Issue: 14 2023 Jul 17**

**Authors Mo L,Jing H,Du X,Zhao C,Lin Y,Li J,Wang H**

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

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

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

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

**Carbohydrate polymers , Volume: 316 2023 Sep 15**

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

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

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

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

Regulation of Gut Microflora by Lactobacillus casei Zhang Attenuates Liver Injury in Mice Caused by Anti-Tuberculosis Drugs.

**International journal of molecular sciences , Volume: 24 Issue: 11 2023 May 29**

**Authors Li Y,Zhao L,Sun C,Yang J,Zhang X,Dou S,Hua Q,Mo A,Cai J**

Comparative Evaluation of the Inhibitory Effect of Lactobacillus rhamnosus on Halitosis-Causing Bacteria: An Invitro Microbiological Study.

**Cureus , Volume: 15 Issue: 5 2023 May**

**Authors Patil AV,Shetty SS,Padhye AM**

The Impact of Smoking on Microbiota: A Narrative Review.

**Biomedicines , Volume: 11 Issue: 4 2023 Apr 10**

- Authors Cicchinelli S,Rosa F,Manca F,Zanza C,Ojetto V,Covino M,Candelli M,Gasbarrini A,Franceschi F,Piccioni A**  
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**  
Combined effect of metabolites produced by a modified *Lactobacillus casei* and berry phenolic extract on *Campylobacter* and microbiome in chicken cecum contents.
- Journal of food science , Volume: 88 Issue: 6 2023 Jun**  
**Authors Tabashsum Z,Alvarado-Martinez Z,Wall MJ,Aditya A,Biswas D**  
*Lactobacillus plantarum* CCFM405 against Rotenone-Induced Parkinson's Disease Mice via Regulating Gut Microbiota and Branched-Chain Amino Acids Biosynthesis.
- Nutrients , Volume: 15 Issue: 7 2023 Apr 1**  
**Authors Chu C,Yu L,Li Y,Guo H,Zhai Q,Chen W,Tian F**  
Psychobiotic *Lactobacillus plantarum* JYLP-326 relieves anxiety, depression, and insomnia symptoms in test anxious college via modulating the gut microbiota and its metabolism.
- Frontiers in immunology , Volume: 14 2023**  
**Authors Zhu R,Fang Y,Li H,Liu Y,Wei J,Zhang S,Wang L,Fan R,Wang L,Li S,Chen T**  
Antimicrobial and immunoregulatory effects of *Lactobacillus delbrueckii* 45E against genitourinary pathogens.
- Journal of biomedical science , Volume: 30 Issue: 1 2023 Mar 23**  
**Authors Bnfaga AA,Lee KW,Than LTL,Amin-Nordin S**  
Effects of fermented soybean meal supplementation on the growth performance and apparent total tract digestibility by modulating the gut microbiome of weaned piglets.
- Scientific reports , Volume: 13 Issue: 1 2023 Mar 6**  
**Authors Muniyappan M,Shanmugam S,Park JH,Han K,Kim IH**  
Change of gut microbiome structure in preterm infants with hypoxic ischemic encephalopathy induced by apnea.
- Pediatrics and neonatology , Volume: 64 Issue: 4 2023 Jul**  
**Authors Chen G,Li F,Du J**  
Intestinal microbial composition changes induced by *Lactobacillus plantarum* GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.
- Journal of animal science and technology , Volume: 64 Issue: 6 2022 Nov**  
**Authors Yu DY,Oh SH,Kim IS,Kim GI,Kim JA,Moon YS,Jang JC,Lee SS,Jung JH,Park J,Cho KK**  
The Antimicrobial Activity of Curcumin and Xanthohumol on Bacterial Biofilms Developed over Dental Implant Surfaces.
- International journal of molecular sciences , Volume: 24 Issue: 3 2023 Jan 25**  
**Authors Alonso-Español A,Bravo E,Ribeiro-Vidal H,Virto L,Herrera D,Alonso B,Sanz M**  
Comparative study between two different morphological structures based on polylactic acid, nanocellulose and magnetite for co-delivery of flurouracil and curcumin.
- International journal of biological macromolecules , Volume: 230 2023 Mar 1**  
**Authors Bakr EA,Gaber M,Saad DR,Salahuddin N**  
*Lacticaseibacillus rhamnosus* HAO9 exerts antidiabetic effects by regulating gut microbiome, glucagon metabolism, and insulin levels in type 2 diabetic mice.
- Frontiers in nutrition , Volume: 9 2022**  
**Authors Han M,Liao W,Dong Y,Bai C,Gai Z**  
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**  
Obstructive sleep apnea is related to alterations in fecal microbiome and impaired intestinal barrier function.
- Scientific reports , Volume: 13 Issue: 1 2023 Jan 15**  
**Authors Li Q,Xu T,Shao C,Gao W,Wang M,Dong Y,Wang X,Lu F,Li D,Tan H,Jiang Y,Xie Q,Cai F,Feng L,Li T**  
Thyme (*Thymus vulgaris* L.) polyphenols ameliorate DSS-induced ulcerative colitis of mice by mitigating intestinal barrier damage, regulating gut microbiota, and suppressing TLR4/NF-?B-NLRP3 inflammasome pathways.
- Food & function , Volume: 14 Issue: 2 2023 Jan 23**  
**Authors Zhou Z,He W,Tian H,Zhan P,Liu J**  
Effects of oat (*Avena sativa* L.) hay diet supplementation on the intestinal microbiome and metabolome of Small-tail Han sheep.
- Frontiers in microbiology , Volume: 13 2022**  
**Authors Su S,Wang L,Fu S,Zhao J,He X,Chen Q,Belobrajdic DP,Yu C,Liu H,Wu H,Han P,Yang B,Huang Y,Liu Y,He J**  
Dietary bile acid supplementation alters plasma biochemical and hormone indicators, intestinal digestive capacity, and

microbiota of piglets with normal birth weight and intrauterine growth retardation.

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

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

Effects of Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens.

**Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 20**

**Authors Wu T,Yang F,Jiao T,Zhao S**

Lacticaseibacillus casei ATCC334 Ameliorates Radiation-Induced Intestinal Injury in Rats by Targeting Microbes and Metabolites.

**Molecular nutrition & food research , Volume: 67 Issue: 1 2023 Jan**

**Authors Hua Q,Zhang H,Xu R,Tian C,Gao T,Yuan Y,Han Y,Li Y,Qi C,Zhong F,Ma A**

Lacticaseibacillus rhamnosus HN001 alters the microbiota composition in the cecum but not the feces in a piglet model.

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

**Authors Young W,Maclean P,Dunstan K,Ryan L,Peters J,Armstrong K,Anderson R,Dewhurst H,van Gendt M,Dilger RN,Dekker J,Haggarty N,Roy N**

Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.

**Applied microbiology and biotechnology , Volume: 106 Issue: 24 2022 Dec**

**Authors Zhai T,Ren W,Wang P,Zheng L**

Postbiotics Prepared Using Lactobacillus paracasei CCFM1224 Prevent Nonalcoholic Fatty Liver Disease by Modulating the Gut Microbiota and Liver Metabolism.

**International journal of molecular sciences , Volume: 23 Issue: 21 2022 Nov 4**

**Authors Pan Z,Mao B,Zhang Q,Tang X,Yang B,Zhao J,Cui S,Zhang H**

Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.

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

**Authors Lee KS,Kim ES**

Dietary Oregano Essential Oil Supplementation Influences Production Performance and Gut Microbiota in Late-Phase Laying Hens Fed Wheat-Based Diets.

**Animals : an open access journal from MDPI , Volume: 12 Issue: 21 2022 Nov 2**

**Authors Gao F,Zhang L,Li H,Xia F,Bai H,Piao X,Sun Z,Cui H,Shi L**

Cedrol from ginger alleviates rheumatoid arthritis through dynamic regulation of intestinal microenvironment.

**Food & function , Volume: 13 Issue: 22 2022 Nov 14**

**Authors Zhang Y,Liu Y,Peng F,Wei X,Hao H,Li W,Zhao Y**

Lacticaseibacillus rhamnosus-Derived Exopolysaccharide Attenuates D-Galactose-Induced Oxidative Stress and Inflammatory Brain Injury and Modulates Gut Microbiota in a Mouse Model.

**Microorganisms , Volume: 10 Issue: 10 2022 Oct 17**

**Authors Kumari M,Dasriya VL,Nataraj BH,Nagpal R,Behare PV**

Baseline gut microbial profiles are associated with the efficacy of Bacillus subtilis and Enterococcus faecium in IBS-D.

**Scandinavian journal of gastroenterology , Volume: 58 Issue: 4 2023 Apr**

**Authors Hong G,Li Y,Yang M,Li G,Jin Y,Xiong H,Qian W,Hou X**

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**

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

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

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

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

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

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

Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.

**Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 73 Issue: 2 2022 Apr**

**Authors Li Z,Lei L,Ling L,Liu Y,Xiong Z,Shao Y**

Characteristics of salivary microbiota in children with obstructive sleep apnea: A prospective study with polysomnography.

**Frontiers in cellular and infection microbiology , Volume: 12 2022**

**Authors Huang X,Chen X,Gong X,Xu Y,Xu Z,Gao X**

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

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

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

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**

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

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

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

Eugenol, A Major Component of Clove Oil, Attenuates Adiposity, and Modulates Gut Microbiota in High-Fat Diet-Fed Mice.

**Molecular nutrition & food research , Volume: 66 Issue: 20 2022 Oct**

**Authors Li M,Zhao Y,Wang Y,Geng R,Fang J,Kang SG,Huang K,Tong T**

Tartary Buckwheat Flavonoids Improve Colon Lesions and Modulate Gut Microbiota Composition in Diabetic Mice.

**Evidence-based complementary and alternative medicine : eCAM , Volume: 2022 2022**

**Authors Cheng W,Cai C,Kreft I,Turnšek TL,Zu M,Hu Y,Zhou M,Liao Z**

Reuterin Isolated from Lactobacillus reuteri Indonesian Strain Affected Interleukin-8 and Human Beta Defensin-2 on Pathogens Induced-HaCat Cells.

**Tropical life sciences research , Volume: 33 Issue: 2 2022 Jul**

**Authors Widyarman AS,Bachtiar BM,Bahctiar EW**

Elucidation of Anti-Hypertensive Mechanism by a Novel Lactobacillus rhamnosus AC1 Fermented Soymilk in the Deoxycorticosterone Acetate-Salt Hypertensive Rats.

**Nutrients , Volume: 14 Issue: 15 2022 Aug 2**

**Authors Wu H,Jiang L,Shum TF,Chiou J**

Effect of Intensity and Duration of Exercise on Gut Microbiota in Humans: A Systematic Review.

**International journal of environmental research and public health , Volume: 19 Issue: 15 2022 Aug 3**

**Authors Bonomini-Gnutzmann R,Plaza-Díaz J,Jorquera-Aguilera C,Rodríguez-Rodríguez A,Rodríguez-Rodríguez F**

Tributyrin administration improves intestinal development and health in pre-weaned dairy calves fed milk replacer.

**Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 10 2022 Sep**

**Authors Liu S,Wu J,Wu Z,Alugongo GM,Zahoor Khan M,Li J,Xiao J,He Z,Ma Y,Li S,Cao Z**

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

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

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

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

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

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

Alteration of gut microbiota in high-fat diet-induced obese mice using carnosic acid from rosemary.

**Food science & nutrition , Volume: 10 Issue: 7 2022 Jul**

**Authors He X,Zhang M,Li ST,Li X,Huang Q,Zhang K,Zheng X,Xu XT,Zhao DG,Ma YY**

Lacticaseibacillus rhamnosus Fmb14 prevents purine induced hyperuricemia and alleviate renal fibrosis through gut-kidney axis.

**Pharmacological research , Volume: 182 2022 Aug**

**Authors Zhao H,Chen X,Zhang L,Meng F,Zhou L,Pang X,Lu Z,Lu Y**

Effect of voluntary wheel running on gut microbiota composition in developing mice.

**Nutricion hospitalaria , Volume: 39 Issue: 4 2022 Aug 25**

**Authors Wan C,Liu ZB,Tan H,Zhang Z,Zhou Q,Yao LH,Meng W,Wang S**

The bioprofiling of antibacterials in olive leaf extracts via thin layer chromatography-effect directed analysis (TLC-EDA).

**Journal of pharmaceutical and biomedical analysis , Volume: 219 2022 Sep 20**

**Authors Agatonovic-Kustrin S,Gegechkori V,Morton DW,Tucci J,Mohammed EUR,Ku H**

Fermented milk of cheese-derived Lactobacillus delbrueckii subsp.bulgaricus displays potentials in alleviating alcohol-induced hepatic injury and gut dysbiosis in mice.

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

**Authors Liu M,Liu M,Yang S,Shen C,Wang X,Liu W,Guo Y**

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

induced obese mice.

**Food & nutrition research , Volume: 66 2022**

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

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

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

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

Beneficial Effects of Linseed Supplementation on Gut Mucosa-Associated Microbiota in a Physically Active Mouse Model of Crohn's Disease.

**International journal of molecular sciences , Volume: 23 Issue: 11 2022 May 24**

**Authors Plissonneau C,Sivignon A,Chassaing B,Capel F,Martin V,Etienne M,Wawrzyniak I,Chausse P,Dutheil F,Mairesse G,Chesneau G,Boisseau N,Barnich N**

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

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

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

Combination of *Houttuynia cordata* polysaccharide and *Lactiplantibacillus plantarum* P101 alleviates acute liver injury by regulating gut microbiota in mice.

**Journal of the science of food and agriculture , Volume: 102 Issue: 15 2022 Dec**

**Authors Xu X,Liu S,Zhao Y,Wang M,Hu L,Li W,Xu H**

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,Høgård B,Ulvén SM,Holven KB,Byfuglien MG,Måge I,Knutsen SH,Ballance S,Rieder A,Rud I,Myhrstad MCW**

Curcumin Supplementation Ameliorates Bile Cholesterol Supersaturation in Hamsters by Modulating Gut Microbiota and Cholesterol Absorption.

**Nutrients , Volume: 14 Issue: 9 2022 Apr 27**

**Authors Hong T,Zou J,Jiang X,Yang J,Cao Z,He Y,Feng D**

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**

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

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

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

Integrated metagenomics-metabolomics analysis reveals the cecal microbial composition, function, and metabolites of pigs fed diets with different starch sources.

**Food research international (Ottawa, Ont.) , Volume: 154 2022 Apr**

**Authors Yu M,Li Z,Rong T,Tian Z,Deng D,Lu H,Zhang R,Ma X**

The Relationship between Physical Activity, Physical Exercise, and Human Gut Microbiota in Healthy and Unhealthy Subjects: A Systematic Review.

**Biology , Volume: 11 Issue: 3 2022 Mar 21**

**Authors Cataldi S,Bonavolontà V,Poli L,Clemente FM,De Candia M,Carvutto R,Silva AF,Badicu G,Greco G,Fischetti F**

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**

Effects of Whole Brown Bean and Its Isolated Fiber Fraction on Plasma Lipid Profile, Atherosclerosis, Gut Microbiota, and Microbiota-Dependent Metabolites in Apoe(-/-) Mice.

**Nutrients , Volume: 14 Issue: 5 2022 Feb 22**

**Authors Liu J,Hefni ME,Wittköft CM,Bergström M,Burleigh S,Nyman M,Hällenius F**

Effects of Live Combined *Bacillus subtilis* and *Enterococcus faecium* on Gut Microbiota Composition in C57BL/6 Mice and in Humans.

**Frontiers in cellular and infection microbiology , Volume: 12 2022**

**Authors Pi X,Teng W,Fei D,Zhao G,Liu W**

Preliminary Report on Intestinal Flora Disorder, Faecal Short-Chain Fatty Acid Level Decline and Intestinal Mucosal Tissue Weakening Caused by Litchi Extract to Induce Systemic Inflammation in HFA Mice.

**Nutrients , Volume: 14 Issue: 4 2022 Feb 12**

**Authors Sun D,Wang C,Sun L,Hu L,Fang Z,Deng Q,Zhao J,Gooneratne R**

Cigarette Smoking and Human Gut Microbiota in Healthy Adults: A Systematic Review.

**Biomedicines , Volume: 10 Issue: 2 2022 Feb 21**

Authors Antinozzi M,Giffi M,Sini N,Gallè F,Valeriani F,De Vito C,Liguori G,Romano Spica V,Cattaruzza MS

Bifidobacterium bifidum Shows More Diversified Ways of Relieving Non-Alcoholic Fatty Liver Compared with Bifidobacterium adolescentis.

**Biomedicines , Volume: 10 Issue: 1 2021 Dec 31**

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

Curcumin Supplementation (Meriva®) Modulates Inflammation, Lipid Peroxidation and Gut Microbiota Composition in Chronic Kidney Disease.

**Nutrients , Volume: 14 Issue: 1 2022 Jan 5**

Authors Pivari F,Mingione A,Piazzini G,Ceccarani C,Ottaviano E,Brasacchio C,Dei Cas M,Vischi M,Cozzolino MG,Fogagnolo P,Riva A,Petrangolini G,Barrea L,Di Renzo L,Borghi E,Signorelli P,Paroni R,Soldati L

Yeast β-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

Nine weeks of high-intensity indoor cycling training induced changes in the microbiota composition in non-athlete healthy male college students.

**Journal of the International Society of Sports Nutrition , Volume: 18 Issue: 1 2021 Dec 18**

Authors Donati Zeppa S,Amatori S,Sisti D,Gervasi M,Agostini D,Piccoli G,Pazienza V,Gobbi P,Rocchi MBL,Sestili P,Stocchi V  
Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats.

**Frontiers in cellular and infection microbiology , Volume: 11 2021**

Authors Wang X,Ye P,Fang L,Ge S,Huang F,Polverini PJ,Heng W,Zheng L,Hu Q,Yan F,Wang W

An in-vitro comparison of four antibacterial agents with and without nicotine and their effects on human gingival fibroblasts.

**Journal of periodontology , 2021 Dec 2**

Authors Batra C,Alalshaikh M,Gregory RL,Windsor LJ,Blanchard SB,Hamada Y

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

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

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

Effect of organic acids-essential oils blend and oat fiber combination on broiler chicken growth performance, blood parameters, and intestinal health.

**Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 4 2021 Dec**

Authors Adewole DI,Oladokun S,Santin E

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

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

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

Cinnamaldehyde Promotes the Intestinal Barrier Functions and Reshapes Gut Microbiome in Early Weaned Rats.

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

Authors Qi L,Mao H,Lu X,Shi T,Wang J

Effects of dietary tributyrin and phytosterol ester supplementation on growth performance, intestinal morphology, microbiota and metabolites in weaned piglets.

**Journal of applied microbiology , 2021 Oct 27**

Authors Chen G,Zhuo R,Ding H,Yang K,Xue J,Zhang S,Chen L,Yin Y,Fang R

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

Yeast β-glucan reduces obesity-associated Bilophila abundance and modulates bile acid metabolism in healthy and high-fat diet mouse models.

**American journal of physiology. Gastrointestinal and liver physiology , Volume: 321 Issue: 6 2021 Dec 1**

Authors So SY,Wu Q,Leung KS,Kundi ZM,Savidge TC,El-Nezami H

Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.

**Microbiology spectrum , 2021 Oct 6**

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

Dietary and Pharmacologic Manipulations of Host Lipids and Their Interaction With the Gut Microbiome in Non-human Primates.

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

Authors Lang JM,Sedgeman LR,Cai L,Layne JD,Wang Z,Pan C,Lee R,Temel RE,Lusis AJ

Lacticaseibacillus paracasei NK112 mitigates Escherichia coli-induced depression and cognitive impairment in mice by regulating IL-6 expression and gut microbiota.

**Beneficial microbes , 2021 Sep 13**

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

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

Home-based exercise training influences gut bacterial levels in multiple sclerosis.

**Complementary therapies in clinical practice , Volume: 45 2021 Jul 30**

Authors Mokhtarzade M,Molanouri Shamsi M,Abolhasani M,Bakhshi B,Sahraian MA,Quinn LS,Negarestan R

An exercise intervention alters stool microbiota and metabolites among older, sedentary adults.

**Therapeutic advances in infectious disease , Volume: 8 2021 Jan-Dec**

Authors Erlandson KM,Liu J,Johnson R,Dillon S,Jankowski CM,Kroehl M,Robertson CE,Frank DN,Tuncil Y,Higgins J,Hamaker B,Wilson CC

Prevotella-rich enterotype may benefit gut health in finishing pigs fed diet with a high amylose-to-amylopectin ratio.

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

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

Flavonoids from Whole-Grain Oat Alleviated High-Fat Diet-Induced Hyperlipidemia via Regulating Bile Acid Metabolism and Gut Microbiota in Mice.

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

Authors Duan R,Guan X,Huang K,Zhang Y,Li S,Xia J,Shen M

Effects of Fermented Milk Containing Lacticaseibacillus paracasei Strain Shirota on Constipation in Patients with Depression: A Randomized, Double-Blind, Placebo-Controlled Trial.

**Nutrients , Volume: 13 Issue: 7 2021 Jun 29**

Authors Zhang X,Chen S,Zhang M,Ren F,Ren Y,Li Y,Liu N,Zhang Y,Zhang Q,Wang R

Evaluation of the Cholesterol-Lowering Mechanism of Enterococcus faecium Strain 132 and Lactobacillus paracasei Strain 201 in Hypercholesterolemia Rats.

**Nutrients , Volume: 13 Issue: 6 2021 Jun 9**

Authors Yang L,Xie X,Li Y,Wu L,Fan C,Liang T,Xi Y,Yang S,Li H,Zhang J,Ding Y,Xue L,Chen M,Wang J,Wu Q

Nrf2/ARE Activators Improve Memory in Aged Mice via Maintaining of Mitochondrial Quality Control of Brain and the Modulation of Gut Microbiome.

**Pharmaceuticals (Basel, Switzerland) , Volume: 14 Issue: 7 2021 Jun 23**

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

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

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

Authors Grigas J,Ruzauskas M,Pautienius A,Bartkienė E,Lele V,Starkutė V,Zavistanaviciute P,Zokaityte E,Bernatonienė J,Ivanauskas L,Jakstas V,Stankevičius A

Dietary turmeric (*Curcuma longa L.*) supplementation improves growth performance, short-chain fatty acid production, and modulates bacterial composition of weaned piglets.

**Journal of animal science and technology , Volume: 63 Issue: 3 2021 May**

Authors Recharla N,Balasubramanian B,Song M,Puligundla P,Kim SK,Jeong JY,Park S

Protective effect of Bifidobacterium bifidum FSDJN705 and Bifidobacterium breve FHINFO23M3 on diarrhea caused by enterotoxigenic Escherichia coli.

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

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

Resveratrol and its derivative pterostilbene ameliorate intestine injury in intrauterine growth-retarded weanling piglets by modulating redox status and gut microbiota.

**Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 10**

Authors Chen Y,Zhang H,Chen Y,Jia P,Ji S,Zhang Y,Wang T

Lactobacillus casei CCFM1074 Alleviates Collagen-Induced Arthritis in Rats via Balancing Treg/Th17 and Modulating the Metabolites and Gut Microbiota.

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

Authors Fan Z,Ross RP,Stanton C,Hou B,Zhao J,Zhang H,Yang B,Chen W

A diet high in sugar and fat influences neurotransmitter metabolism and then affects brain function by altering the gut microbiota.

**Translational psychiatry , Volume: 11 Issue: 1 2021 May 27**

Authors Guo Y,Zhu X,Zeng M,Qi L,Tang X,Wang D,Zhang M,Xie Y,Li H,Yang X,Chen D

- The influence of exercise training volume alterations on the gut microbiome in highly-trained middle-distance runners.  
**European journal of sport science , 2021 May 26**  
Authors Craven J,Cox AJ,Bellinger P,Desbrow B,Irwin C,Buchan J,McCartney D,Sabapathy S  
Tobacco Smoking and the Fecal Microbiome in a Large, Multi-ethnic Cohort.
- Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology , Volume: 30 Issue: 7 2021 Jul**  
Authors Prakash A,Peters BA,Cobbs E,Beggs D,Choi H,Li H,Hayes RB,Ahn J  
Lactobacillus rhamnosus from human breast milk ameliorates ulcerative colitis in mice via gut microbiota modulation.
- Food & function , Volume: 12 Issue: 11 2021Jun 8**  
Authors Pang B,Jin H,Liao N,Li J,Jiang C,Shao D,Shi J  
A multi-omics approach for understanding the effects of moderate wine consumption on human intestinal health.
- Food & function , Volume: 12 Issue: 9 2021 May 11**  
Authors Belda I,Cueva C,Tamargo A,Ravarani CN,Acedo A,Bartolomé B,Moreno-Arribas MV  
Resveratrol Prevents Campylobacter jejuni-Induced Leaky gut by Restoring Occludin and Claudin-5 in the Paracellular Leak Pathway.
- Frontiers in pharmacology , Volume: 12 2021**  
Authors Lobo de Sá FD,Heimesaat MM,Bereswill S,Nattramilarasu PK,Schulzke JD,Bücker R  
Lactobacillus SpS in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.
- Biology , Volume: 10 Issue: 4 2021 Apr 20**  
Authors Gulnaz A,Nadeem J,Han JH,Lew LC,Son JD,Park YH,Rather IA,Hor YY  
Implications of Tributyrin on Gut Microbiota Shifts Related to Performances of Weaning Piglets.
- Microorganisms , Volume: 9 Issue: 3 2021 Mar 12**  
Authors Miragoli F,Patrone V,Prandini A,Sigolo S,Dell'Anno M,Rossi L,Senizza A,Morelli L,Callegari ML  
A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial.
- Nutrients , Volume: 13 Issue: 4 2021 Mar 27**  
Authors Barnett MPG,Young W,Armstrong K,Brewster D,Cooney JM,Ellett S,Espley RV,Laing W,Maclean P,McGhie T,Pringle G,Roy NC,Ferguson LR  
Ancient grains as novel dietary carbohydrate sources in canine diets.
- Journal of animal science , Volume: 99 Issue: 6 2021 Jun 1**  
Authors Traughber ZT,He F,Hoke JM,Davenport GM,Rodríguez-Zas SL,Southey BR,de Godoy MRC  
Effects of Pretreatment with Bifidobacterium bifidum Using 16S Ribosomal RNA Gene Sequencing in a Mouse Model of Acute Colitis Induced by Dextran Sulfate Sodium.
- Medical science monitor : international medical journal of experimental and clinical research , Volume: 27 2021 Mar 9**  
Authors Weng YJ,Jiang DX,Liang J,Ye SC,Tan WK,Yu CY,Zhou Y  
Navy Bean Supplementation in Established High-Fat Diet-Induced Obesity Attenuates the Severity of the Obese Inflammatory Phenotype.
- Nutrients , Volume: 13 Issue: 3 2021 Feb 26**  
Authors Monk JM,Wu W,Lepp D,Pauls KP,Robinson LE,Power KA  
The Effect of Xylitoligosaccharide, Xylan, and Whole Wheat Bran on the Human Gut Bacteria.
- Frontiers in microbiology , Volume: 11 2020**  
Authors Chen M,Liu S,Imam KMSU,Sun L,Wang Y,Gu T,Wen B,Xin F  
Blueberry and cranberry anthocyanin extracts reduce bodyweight and modulate gut microbiota in C57BL/6 J mice fed with a high-fat diet.
- European journal of nutrition , 2021 Jan 3**  
Authors Liu J,Hao W,He Z,Kwek E,Zhu H,Ma N,Ma KY,Chen ZY  
Green tea leaf powder prevents dyslipidemia in high-fat diet-fed mice by modulating gut microbiota.
- Food & nutrition research , Volume: 64 2020**  
Authors Wang J,Li P,Liu S,Zhang B,Hu Y,Ma H,Wang S  
Modulation of gut microbiota and intestinal barrier function during alleviation of antibiotic-associated diarrhea with Rhizoma Zingiber officinale (Ginger) extract.
- Food & function , Volume: 11 Issue: 12 2020 Dec 1**  
Authors Ma ZJ ,Wang HJ ,Ma XJ ,Li Y,Yang HJ ,Li H,Su JR ,Zhang CE ,Huang LQ  
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**

Effects of Labrador Tea, Peppermint, and Winter Savory Essential Oils on *Fusobacterium nucleatum*.

**Antibiotics (Basel, Switzerland)** , Volume: 9 Issue: 11 2020 Nov 10

**Authors Ben Lagha A, Vaillancourt K, Maquera Huacho P, Grenier D**

Pinto beans modulate the gut microbiome, augment MHC II protein, and antimicrobial peptide gene expression in mice fed a normal or western-style diet.

**The Journal of nutritional biochemistry** , Volume: 88 2021 Feb

**Authors Ojo BA, Lu P, Alake SE, Keirns B, Anderson K, Gallucci G, Hart MD, El-Rassi GD, Ritchey JW, Chowanadisai W, Lin D, Clarke S, Smith BJ, Lucas EA**

The in vitro Effects of the Probiotic Strain, *Lactobacillus casei* ZX633 on Gut Microbiota Composition in Infants With Diarrhea.

**Frontiers in cellular and infection microbiology** , Volume: 10 2020

**Authors Wang X, Zhang M, Wang W, Lv H, Zhang H, Liu Y, Tan Z**

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

**Journal of animal science and biotechnology** , Volume: 11 2020

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

Dietary 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**

A high-fat diet and high-fat and high-cholesterol diet may affect glucose and lipid metabolism differentially through gut microbiota in mice.

**Experimental animals** , 2020 Oct 1

**Authors Liang H, Jiang F, Cheng R, Luo Y, Wang J, Luo Z, Li M, Shen X, He F**

*Bifidobacterium bifidum* TMC3115 ameliorates milk protein allergy in by affecting gut microbiota: A randomized double-blind control trial.

**Journal of food biochemistry** , Volume: 44 Issue: 11 2020 Nov

**Authors Jing W, Liu Q, Wang W**

The Influence of Essential Oils on Gut Microbial Profiles in Pigs.

**Animals : an open access journal from MDPI** , Volume: 10 Issue: 10 2020 Sep 24

**Authors Ruzauskas M, Bartkienė E, Stankevičius A, Bernatonienė J, Zadeikė D, Lele V, Starkutė V, Zavistanaviciute P, Grigas J, Zokaitė E, Pautienius A, Juodeikiene G, Jakstas V**

In Vitro Digestion and Fermentation by Human Fecal Microbiota of Polysaccharides from Flaxseed.

**Molecules (Basel, Switzerland)** , Volume: 25 Issue: 19 2020 Sep 23

**Authors Zhou X, Zhang Z, Huang F, Yang C, Huang Q**

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

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

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

Modulation of Gut Microbiota Profile and Short-Chain Fatty Acids of Rats Fed with Taro Flour or Taro Starch.

**International journal of microbiology** , Volume: 2020 2020

**Authors Surono IS, Venema K**

Antimicrobial Effect of Natural Berry Juices on Common Oral Pathogenic Bacteria.

**Antibiotics (Basel, Switzerland)** , Volume: 9 Issue: 9 2020 Aug 24

**Authors Kranz S, Guellmar A, Olschowsky P, Tonndorf-Martini S, Heyder M, Pfister W, Reise M, Sigusch B**

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**

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

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

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

Enterococcus faecium Modulates the Gut Microbiota of Broilers and Enhances Phosphorus Absorption and Utilization.

**Animals : an open access journal from MDPI** , Volume: 10 Issue: 7 2020 Jul 20

**Authors Wang W, Cai H, Zhang A, Chen Z, Chang W, Liu G, Deng X, Bryden WL, Zheng A**

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**

Soy food intake associates with changes in the metabolome and reduced blood pressure in a gut microbiota dependent manner.

**Nutrition, metabolism, and cardiovascular diseases : NMCD , 2020 May 18**

Authors Shah RD,Tang ZZ,Chen G,Huang S,Ferguson JF

Yeast  $\beta$ -glucan alleviates cognitive deficit by regulating gut microbiota and metabolites in A $\beta$ (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

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPAR $\alpha$  signal pathway and gut microbiota.

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

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

Potential Probiotic or Trigger of Gut Inflammation - The Janus-Faced Nature of Cannabidiol-Rich Cannabis Extract.

**Journal of dietary supplements , Volume: 17 Issue: 5 2020**

Authors Skinner CM,Nookaei I,Ewing LE,Wongsurawat T,Jenjaroenpun P,Quick CM,Yee EU,Piccolo BD,ElSohly M,Walker LA,Gurley B,Koturbash I

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

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

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

Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.

**International journal of food sciences and nutrition , Volume: 71 Issue: 8 2020 Dec**

Authors Chen K,Zhao H,Shu L,Xing H,Wang C,Lu C,Song G

Increase of Akkermansia muciniphila by a Diet Containing Japanese Traditional Medicine Bofutsushosan in a Mouse Model of Non-Alcoholic Fatty Liver Disease.

**Nutrients , Volume: 12 Issue: 3 2020 Mar 20**

Authors Nishiyama M,Otake N,Kaneko A,Tsuchiya N,Imamura S,Iizuka S,Ishizawa S,Nishi A,Yamamoto M,Taketomi A,Kono T

Ethanol extract of propolis prevents high-fat diet-induced insulin resistance and obesity in association with modulation of gut microbiota in mice.

**Food research international (Ottawa, Ont.) , Volume: 130 2020 Apr**

Authors Cai W,Xu J,Li G,Liu T,Guo X,Wang H,Luo L

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

Rapid gut microbiome changes in a world-class ultramarathon runner.

**Physiological reports , Volume: 7 Issue: 24 2019 Dec**

Authors Grosicki GJ,Durk RP,Bagley JR

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

Steatosis and gut microbiota dysbiosis induced by high-fat diet are reversed by 1-week chow diet administration.

**Nutrition research (New York, N.Y.) , Volume: 71 2019 Nov**

Authors Safari Z,Monnoye M,Abuja PM,Mariadassou M,Kashofer K,Gérard P,Zatloukal K

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

Propolis modulates the gut microbiota and improves the intestinal mucosal barrier function in diabetic rats.

**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 118 2019 Oct**

Authors Xue M,Liu Y,Xu H,Zhou Z,Ma Y,Sun T,Liu M,Zhang H,Liang H

Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial.

**The Journal of nutrition , 2019 Aug 28**

Authors Christensen L,Vuholm S,Roager HM,Nielsen DS,Krych L,Kristensen M,Astrup A,Hjorth MF

Effects of Lactobacillus plantarum on the intestinal morphology, intestinal barrier function and microbiota composition of suckling piglets.

**Journal of animal physiology and animal nutrition , 2019 Sep 9**

Authors Wang Q,Sun Q,Qi R,Wang J,Qiu X,Liu Z,Huang J

**Regulatory Function of Buckwheat-Resistant Starch Supplementation on Lipid Profile and Gut Microbiota in Mice Fed with a High-Fat Diet.**

**Journal of food science , Volume: 84 Issue: 9 2019 Sep**

**Authors Zhou Y,Zhao S,Jiang Y,Wei Y,Zhou X**

Combination of cannabinoids, delta-9-tetrahydrocannabinol (THC) and cannabidiol (CBD), mitigates experimental autoimmune encephalomyelitis (EAE) by altering the gut microbiome.

**Brain, behavior, and immunity , Volume: 82 2019 Nov**

**Authors Al-Ghezi ZZ,Busbee PB,Alghetaa H,Nagarkatti PS,Nagarkatti M**

Effect of Bay Leaves Essential Oil Concentration on the Properties of Biodegradable Carboxymethyl Cellulose-Based Edible Films.

**Materials (Basel, Switzerland) , Volume: 12 Issue: 15 2019 Jul 24**

**Authors Rincón E,Serrano L,Balu AM,Aguilar JJ,Luque R,García A**

The Capacity of the Fecal Microbiota From Malawian Infants to Ferment Resistant Starch.

**Frontiers in microbiology , Volume: 10 2019**

**Authors Wang Y,Mortimer EK,Katundu KGH,Kalanga N,Leong LEX,Gopalsamy GL,Christophersen CT,Richard AC,Shivasami A,Abell GCJ,Young GP,Rogers GB**

Flaxseed diet caused inflammation by altering the gut microbiota of Peking ducks.

**Animal biotechnology , Volume: 31 Issue: 6 2020 Dec**

**Authors Wu Y,Wang Y,Yin D,Shahid MS,Yuan J**

Navy bean supplemented high-fat diet improves intestinal health, epithelial barrier integrity and critical aspects of the obese inflammatory phenotype.

**The Journal of nutritional biochemistry , Volume: 70 2019 Aug**

**Authors Monk JM,Wu W,Lepp D,Welling HR,Hutchinson AI,Liddle DM,Graf D,Pauls KP,Robinson LE,Power KA**

A comparative study on chemical composition, antibiofilm and biological activities of leaves extracts of four Tunisian olive cultivars.

**Heliyon , Volume: 5 Issue: 5 2019 May**

**Authors Edziri H,Jaziri R,Chehab H,Verschaeve L,Flamini G,Boujnah D,Hammami M,Aouni M,Mastouri M**

Microbiome-Metabolomics Analysis Investigating the Impacts of Dietary Starch Types on the Composition and Metabolism of Colonic Microbiota in Finishing Pigs.

**Frontiers in microbiology , Volume: 10 2019**

**Authors Yu M,Li Z,Chen W,Rong T,Wang G,Ma X**

The role of short-chain fatty acids in microbiota-gut-brain communication.

**Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug**

**Authors Dalile B,Van Oudenhove L,Vervliet B,Verbeke K**

Fermented Momordica charantia L juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.

**Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul**

**Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY**

Four men in a boat: Ultra-endurance exercise alters the gut microbiome.

**Journal of science and medicine in sport , Volume: 22 Issue: 9 2019 Sep**

**Authors Keohane DM,Woods T,O'Connor P,Underwood S,Cronin O,Whiston R,O'Sullivan O,Cotter P,Shanahan F,Molloy MGM**

Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.

**The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1**

**Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschaseaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium**

Lactobacillus reuteri Reduces the Severity of Experimental Autoimmune Encephalomyelitis in Mice by Modulating Gut Microbiota.

**Frontiers in immunology , Volume: 10 2019**

**Authors He B,Hoang TK,Tian X,Taylor CM,Blanchard E,Luo M,Bhattacharjee MB,Freeborn J,Park S,Couturier J,Lindsey JW,Tran DQ,Rhoads JM,Liu Y**

Apple consumption is associated with a distinctive microbiota, proteomics and metabolomics profile in the gut of Dawley Sprague rats fed a high-fat diet.

**PLoS one , Volume: 14 Issue: 3 2019**

**Authors Garcia-Mazcorro JF,Pedreschi R,Yuan J,Kawas JR,Cheow B,Dowd SE,Noratto G**

Effects of dietary supplementation of probiotic Enterococcus faecium on growth performance and gut microbiota in weaned piglets.

**AMB Express , Volume: 9 Issue: 1 2019 Mar 1**

**Authors Hu C,Xing W,Liu X,Zhang X,Li K,Liu J,Deng B,Deng J,Li Y,Tan C**

Compounds from Olea europaea and Pistacia lentiscus inhibit oral microbial growth.

**BMC complementary and alternative medicine , Volume: 19 Issue: 1 2019 Feb 26**

Authors Karygianni L,Cecere M,Argyropoulou A,Hellwig E,Skaltsounis AL,Wittmer A,Tchorz JP,Al-Ahmad A

Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.

**PeerJ , Volume: 7 2019**

Authors De Paepe K,Verspreet J,Rezaei MN,Hidalgo Martinez S,Meysman F,Van de Walle D,Dewettinck K,Raes J,Courtin C,Van de Wiele T

Stability of vitamin B12 with the protection of whey proteins and their effects on the gut microbiome.

**Food chemistry , Volume: 276 2019 Mar 15**

Authors Wang H,Shou Y,Zhu X,Xu Y,Shi L,Xiang S,Feng X,Han J

In vitro fermentation of raffinose by the human gut bacteria.

**Food & function , Volume: 9 Issue: 11 2018 Nov 14**

Authors Mao B,Tang H,Gu J,Li D,Cui S,Zhao J,Zhang H,Chen W

Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.

**Natural product research , 2018 Oct 13**

Authors Condò C,Anacarso I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P

Behavioral response to fiber feeding is cohort-dependent and associated with gut microbiota composition in mice.

**Behavioural brain research , Volume: 359 2019 Feb 1**

Authors Mailing LJ,Allen JM,Pence BD,Rytych J,Sun Y,Bhattacharya TK,Park P,Cross TL,McCusker RH,Swanson KS,Fahey GC,Rhodes JS,Kelley KW,Johnson RW,Woods JA

Functional modulation of caecal fermentation and microbiota in rat by feeding bean husk as a dietary fibre supplement.

**Beneficial microbes , Volume: 9 Issue: 6 2018 Dec 7**

Authors Myint H,Kishi H,Iwahashi Y,Saburi W,Koike S,Kobayashi Y

Probiotic <i>Lactobacillus plantarum</i> Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.

**Frontiers in microbiology , Volume: 9 2018**

Authors Wang J,Ji H,Wang S,Liu H,Zhang W,Zhang D,Wang Y

Effects of Natural Flavonoid Isoorientin on Growth Performance and Gut Microbiota of Mice.

**Journal of agricultural and food chemistry , Volume: 66 Issue: 37 2018 Sep 19**

Authors Yuan L,Li X,He S,Gao C,Wang C,Shao Y

Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.

**Environmental microbiology , Volume: 20 Issue: 9 2018 Sep**

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM,Van de Wiele T

Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

**Journal of evidence-based integrative medicine , Volume: 23 2018 Jan-Dec**

Authors Peterson CT,Vaughn AR,Sharma V,Chopra D,Mills PJ,Peterson SN,Sivamani RK

Anti-inflammatory and antibacterial evaluation of Thymus ssp. var. ssp. essential oil against rhinosinusitis pathogens.

**Microbial pathogenesis , Volume: 122 2018 Sep**

Authors Demirci F,Karaca N,Tekin M,Demirci B

Characterization and prebiotic activity in vitro of inulin-type fructan from Codonopsis pilosula roots.

**Carbohydrate polymers , Volume: 193 2018 Aug 1**

Authors Fu YP,Li LX,Zhang BZ,Paulsen BS,Yin ZQ,Huang C,Feng B,Chen XF,Jia RR,Song X,Ni XQ,Jing B,Wu FM,Zou YF

Green Tea Liquid Consumption Alters the Human Intestinal and Oral Microbiome.

**Molecular nutrition & food research , Volume: 62 Issue: 12 2018 Jun**

Authors Yuan X,Long Y,Ji Z,Gao J,Fu T,Yan M,Zhang L,Su H,Zhang W,Wen X,Pu Z,Chen H,Wang Y,Gu X,Yan B,Kaliannan K,Shao Z

Response of Gut Microbiota to Metabolite Changes Induced by Endurance Exercise.

**Frontiers in microbiology , Volume: 9 2018**

Authors Zhao X,Zhang Z,Hu B,Huang W,Yuan C,Zou L

Role of <i>Lactobacillus reuteri</i> in Human Health and Diseases.

**Frontiers in microbiology , Volume: 9 2018**

Authors Mu Q,Tavella VJ,Luo XM

Pumpkin polysaccharide modifies the gut microbiota during alleviation of type 2 diabetes in rats.

**International journal of biological macromolecules , Volume: 115 2018 Aug**

Authors Liu G,Liang L,Yu G,Li Q

Modifications in gut microbiota and fermentation metabolites in the hindgut of rats after the consumption of galactooligosaccharide glycated with a fish peptide.

**Food & function , Volume: 9 Issue: 5 2018 May 1**

Authors Jin W,Han K,Dong S,Yang Y,Mao Z,Su M,Zeng M

Smoking and the intestinal microbiome.

**Archives of microbiology , Volume: 200 Issue: 5 2018 Jul**

Authors Savin Z,Kivity S,Yonath H,Yehuda S

Extensive impact of non-antibiotic drugs on human gut bacteria.

**Nature , Volume: 555 Issue: 7698 2018 Mar 29**

Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A

Whole Tibetan Hull-Less Barley Exhibit Stronger Effect on Promoting Growth of Genus Bifidobacterium than Refined Barley In Vitro.

**Journal of food science , Volume: 83 Issue: 4 2018 Apr**

Authors Gong L,Cao W,Gao J,Wang J,Zhang H,Sun B,Yin M

Tartary buckwheat protein prevented dyslipidemia in high-fat diet-fed mice associated with gut microbiota changes.

**Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , 2018 Feb 23**

Authors Zhou XL,Yan BB,Xiao Y,Zhou YM,Liu TY

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

Evaluation of the effects of different diets on microbiome diversity and fatty acid composition of rumen liquor in dairy goat.

**Animal : an international journal of animal bioscience , 2018 Jan 8**

Authors Cremonesi P,Conte G,Severgnini M,Turri F,Monni A,Capra E,Rapetti L,Colombini S,Chessa S,Battelli G,Alves SP,Mele M,Castiglioni B

Arctic berry extracts target the gut-liver axis to alleviate metabolic endotoxaemia, insulin resistance and hepatic steatosis in diet-induced obese mice.

**Diabetologia , Volume: 61 Issue: 4 2018 Apr**

Authors Anhê FF,Varin TV,Le Barz M,Pilon G,Dudonné S,Trottier J,St-Pierre P,Harris CS,Lucas M,Lemire M,Dewailly É,Barbier O,Desjardins Y,Roy D,Marette A

Associations Between Microbiota, Mitochondrial Function, and Cognition in Chronic Marijuana Users.

**Journal of neuroimmune pharmacology : the official journal of the Society on Neuroimmunity Pharmacology , Volume: 13 Issue: 1 2018 Mar**

Authors Panee J,Gerschenson M,Chang L

In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.

**Journal of food science and technology , Volume: 54 Issue: 12 2017 Nov**

Authors Ashraf SA,Al-Shammari E,Hussain T,Tajuddin S,Panda BP

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,Hyvänen A,Täubel M

Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.

**The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct**

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

Navy and black bean supplementation primes the colonic mucosal microenvironment to improve gut health.

**The Journal of nutritional biochemistry , Volume: 49 2017 Nov**

Authors Monk JM,Lepp D,Wu W,Pauls KP,Robinson LE,Power KA

Assessment of plaque regrowth with a probiotic toothpaste containing <i>Lactobacillus paracasei</i>: A spectrophotometric study.

**Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 35 Issue: 4 2017 Oct-Dec**

Authors Srinivasan S,Nandal B,Rao MVS

Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.

**Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017 Aug 30**

**Authors Lin X,Chen X,Tu Y,Wang S,Chen H**

Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.

**Food & nutrition research , Volume: 61 Issue: 1 2017**

**Authors Shen L,Liu L,Ji HF**

Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.

**Journal of food science , Volume: 82 Issue: 8 2017 Aug**

**Authors Lu QY,Summanen PH,Lee RP,Huang J,Henning SM,Heber D,Finegold SM,Li Z**

Monitoring <i>in vitro</i> antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.

**Integrative medicine research , Volume: 3 Issue: 3 2014 Sep**

**Authors Rath S,Padhy RN**

Next generation sequencing of oral microbiota in Type 2 diabetes mellitus prior to and after neem stick usage and correlation with serum monocyte chemoattractant-1

**Diabetes research and clinical practice , Volume: 130 2017 Aug**

**Authors Anbalagan R,Srikanth P,Mani M,Barani R,Seshadri KG,Janarthanan R**

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**

The impact of fruit and soybean by-products and amaranth on the growth of probiotic and starter microorganisms.

**Food research international (Ottawa, Ont.) , Volume: 97 2017 Jul**

**Authors Vieira ADS,Bedani R,Albuquerque MAC,Biscola V,Saad SMI**

Effect of <i>Lactobacillus rhamnosus</i> HN001 and <i>Bifidobacterium longum</i> BB536 on the healthy gut microbiota composition at phyla and species level: A preliminary study.

**World journal of gastroenterology , Volume: 23 Issue: 15 2017 Apr 21**

**Authors Toscano M,De Grandi R,Stronati L,De Vecchi E,Drago L**

Characterization of non-dialyzable constituents from cranberry juice that inhibit adhesion, co-aggregation and biofilm formation by oral bacteria.

**Food & function , Volume: 8 Issue: 5 2017 May 24**

**Authors Neto CC,Pennendorf KA,Feldman M,Meron-Sudai S,Zakay-Rones Z,Steinberg D,Fridman M,Kashman Y,Ginsburg I,Ofek I,Weiss EI**

Fish oil, lard and soybean oil differentially shape gut microbiota of middle-aged rats.

**Scientific reports , Volume: 7 Issue: 1 2017 Apr 11**

**Authors Li H,Zhu Y,Zhao F,Song S,Li Y,Xu X,Zhou G,Li C**

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**

Changes in intestinal microbiota composition and metabolism coincide with increased intestinal permeability in young adults under prolonged physiological stress.

**American journal of physiology. Gastrointestinal and liver physiology , Volume: 312 Issue: 6 2017 Jun 1**

**Authors Karl JP,Margolis LM,Madslien EH,Murphy NE,Castellani JW,Gundersen Y,Hoke AV,Levangie MW,Kumar R,Chakraborty N,Gautam A,Hammamieh R,Martini S,Montain SJ,Pasiakos SM**

Tea polyphenols inhibit the growth and virulence properties of *Fusobacterium nucleatum*.

**Scientific reports , Volume: 7 2017 Mar 21**

**Authors Ben Lagha A,Haas B,Grenier D**

Effect of Whole Grain Qingke (Tibetan *Hordeum vulgare L* Zangqing 320) on the Serum Lipid Levels and Intestinal Microbiota of Rats under High-Fat Diet.

**Journal of agricultural and food chemistry , Volume: 65 Issue: 13 2017 Apr 5**

**Authors Xia X,Li G,Ding Y,Ren T,Zheng J,Kan J**

Effect of dietary polyphenol-rich grape seed on growth performance, antioxidant capacity and ileal microflora in broiler chicks.

**Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb**

**Authors Abu Hafsa SH,Ibrahim SA**

Impact of Westernized Diet on Gut Microbiota in Children on Leyte Island.

**Frontiers in microbiology , Volume: 8 2017**

**Authors Nakayama J,Yamamoto A,Palermo-Conde LA,Higashi K,Sonomoto K,Tan J,Lee YK**

Biological activities of *Rosmarinus officinalis L* (rosemary) extract as analyzed in microorganisms and cells.

**Experimental biology and medicine (Maywood, N.J.) , Volume: 242 Issue: 6 2017 Mar**

**Authors de Oliveira JR,de Jesus D,Figueira LW,de Oliveira FE,Pacheco Soares C,Camargo SE,Jorge AO,de Oliveira LD**

**Antimicrobial Effects of Mastic Extract Against Oral and Periodontal Pathogens.****Journal of periodontology , Volume: 88 Issue: 5 2017 May**

Authors Koychev S,Dommisch H,Chen H,Pischon N

Early-Life Sugar Consumption Affects the Rat Microbiome Independently of Obesity.**The Journal of nutrition , Volume: 147 Issue: 1 2017 Jan**

Authors Noble EE,Hsu TM,Jones RB,Fodor AA,Goran MI,Kanoski SE

Insights from 100 Years of Research with Probiotic E. Coli**European Journal of Microbiology & Immunology , Volume: 6 Issue: 3 2016 Sep 29**

Authors Wassenaar TM

Assessment of the prebiotic effect of quinoa and amaranth in the human intestinal ecosystem.**Food & function , Volume: 7 Issue: 9 2016 Sep 14**

Authors Gullón B,Gullón P,Tavaria FK,Yáñez R

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,Figüereido L,Casarín R,Ervolino E,Palioto DB,Souza SL,Taba M Jr,Novaes AB Jr,Messora MR

Consumption of a Bifidobacterium bifidum Strain for 4 Weeks Modulates Dominant Intestinal Bacterial Taxa and Fecal Butyrate in Healthy Adults.**Applied and environmental microbiology , Volume: 82 Issue: 19 2016 Oct 1**

Authors Gargari G,Taverniti V,Balzaretti S,Ferrario C,Gardana C,Simonetti P,Guglielmetti S

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

In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.**Journal of intercultural ethnopharmacology , Volume: 5 Issue: 3 2016 Jun-Aug**

Authors Sakkas H,Gousia P,Economou V,Sakkas V,Petsios S,Papadopoulou C

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

Survey of the Antibiofilm and Antimicrobial Effects of Zingiber officinale (in Vitro Study).**Jundishapur journal of microbiology , Volume: 9 Issue: 2 2016 Feb**

Authors Aghazadeh M,Zahedi Bialvaei A,Aghazadeh M,Kabiri F,Saliani N,Yousefi M,Eslami H,Samadi Kafil H

Dietary supplementation of Rosmarinus officinalis L leaves in sheep affects the abundance of rumen methanogens and other microbial populations.**Journal of animal science and biotechnology , Volume: 7 2016**

Authors Cobellis G,Yu Z,Forte C,Acuti G,Trabalza-Marinucci M

Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat's tissue homogenate.**Pakistan journal of pharmaceutical sciences , Volume: 29 Issue: 2 2016 Mar**

Authors Hassan W,Gul S,Rehman S,Kanwal F,Afzidi MS,Fazal H,Shah Z,Rahman A,da Rocha JB

The intestinal microbiota of piglets fed with wheat bran variants as characterised by 16S rRNA next-generation amplicon sequencing.**Archives of animal nutrition , Volume: 70 Issue: 3 2016**

Authors Kraler M,Ghanbari M,Domig KJ,Schedle K,Kneifel W

Potential of neem (*Azadirachta indica* L.) for prevention and treatment of oncologic diseases.**Seminars in cancer biology , Volume: 40-41 2016 Oct**

Authors Patel SM,Nagulapalli Venkata KC,Bhattacharyya P,Sethi G,Bishayee A

In vitro extraction and fermentation of polyphenols from grape seeds (*Vitis vinifera*) by human intestinal microbiota.**Food & function , Volume: 7 Issue: 4 2016 Apr**

Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.**Food & function , Volume: 7 Issue: 3 2016 Mar**

Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY

High Molecular Weight Barley β-Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.**Frontiers in microbiology , Volume: 7 2016**

Authors Wang Y,Ames NP,Tun HM,Tosh SM,Jones PJ,Khafipour E

Purification and characteristics of a novel bacteriocin produced by *Enterococcus faecalis* L11 isolated from Chinese traditional fermented cucumber.

**Biotechnology letters** , Volume: 38 Issue: 5 2016 May

Authors Gao Y,Li B,Li D,Zhang L

Evaluation of probiotic properties of *Lactobacillus plantarum* WLPL04 isolated from human breast milk.

**Journal of dairy science** , Volume: 99 Issue: 3 2016 Mar

Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X

Antibacterial Activity of Probiotic *Lactobacillus plantarum* HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.

**Probiotics and antimicrobial proteins** , Volume: 5 Issue: 2 2013 Jun

Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K

Role of colonic microbiota in colorectal carcinogenesis: a systematic review.

**Revista espanola de enfermedades digestivas** , Volume: 107 Issue: 11 2015 Nov

Authors Borges-Canha M,Portela-Cidade JP,Dinis-Ribeiro M,Leite-Moreira AF,Pimentel-Nunes P

Effect of 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  
[Grape seed proanthocyanidin extracts inhibit lipopolysaccharide of *Porphyromonas gingivalis*].

**Shanghai kou qiang yi xue = Shanghai journal of stomatology** , Volume: 24 Issue: 4 2015 Aug

Authors Ci XK,Chen LP,Ou XY

Green tea epigallocatechin-3-gallate alleviates *Porphyromonas gingivalis*-induced periodontitis in mice.

**International immunopharmacology** , Volume: 29 Issue: 2 2015 Dec

Authors Cai Y,Chen Z,Liu H,Xuan Y,Wang X,Luan Q

Reutericyclin producing *Lactobacillus reuteri* modulates development of fecal microbiota in weanling pigs.

**Frontiers in microbiology** , Volume: 6 2015

Authors Yang Y,Zhao X,Le MH,Zijlstra RT,Gänzle MG

In vitro and in vivo examination of anticolonization of pathogens by *Lactobacillus paracasei* FJ861111.1.

**Journal of dairy science** , Volume: 98 Issue: 10 2015 Oct

Authors Deng K,Chen T,Wu Q,Xin H,Wei Q,Hu P,Wang X,Wang X,Wei H,Shah NP

In vitro fermentation of lupin seeds (*Lupinus albus*) and broad beans (*Vicia faba*): dynamic modulation of the intestinal microbiota and metabolomic output.

**Food & function** , Volume: 6 Issue: 10 2015 Oct

Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM

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

Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.

**Recent patents on food, nutrition & agriculture** , Volume: 7 Issue: 1 2015

Authors Ozogul Y,Kuley E,Ucar Y,Ozogul F

Interactions between Diet, Bile Acid Metabolism, Gut Microbiota, and Inflammatory Bowel Diseases.

**Digestive diseases (Basel, Switzerland)** , Volume: 33 Issue: 3 2015

Authors Devkota S,Chang EB

Effects of dietary linseed oil and propionate precursors on ruminal microbial community, composition, and diversity in Yanbian yellow cattle.

**PLoS one** , Volume: 10 Issue: 5 2015

Authors Li XZ,Park BK,Shin JS,Choi SH,Smith SB,Yan CG

Oral Microbiota Shift after 12-Week Supplementation with *Lactobacillus reuteri* DSM 17938 and PTA 5289; A Randomized Control Trial.

**PLoS one** , Volume: 10 Issue: 5 2015

Authors Romani Vestman N,Chen T,Lif Holgerson P,Öhman C,Johansson I

Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.

**Food chemistry** , Volume: 183 2015 Sep 15

Authors Sánchez-Patán F,Barroso E,van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta MC,Peláez C,Requena T,Bartolomé B

Monosodium L-Glutamate and Dietary Fat Differently Modify the Composition of the Intestinal Microbiota in Growing Pigs.

**Obesity facts , Volume: 8 Issue: 2 2015****Authors Feng ZM,Li TJ,Wu L,Xiao DF,Blachier F,Yin YL**Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.**International journal of food microbiology , Volume: 202 2015 Jun 2****Authors Akdemir Evrendilek G**Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.**Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun****Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY**Antimicrobial Effect of Lactobacillus reuteri on Cariogenic Bacteria Streptococcus gordonii, Streptococcus mutans, and Periodontal Diseases Actinomyces naeslundii and Tannerella forsythia.**Probiotics and antimicrobial proteins , Volume: 7 Issue: 1 2015 Mar****Authors Baca-Castañón ML,De la Garza-Ramos MA,Alcázar-Pizaña AG,Grondin Y,Coronado-Mendoza A,Sánchez-Najera RI,Cárdenas-Estrada E,Medina-De la Garza CE,Escamilla-García E**In vitro fermentation of lactulose by human gut bacteria.**Journal of agricultural and food chemistry , Volume: 62 Issue: 45 2014 Nov 12****Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W**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**Natural control of bacteria affecting meat quality by a neem (Azadirachta indica A. Juss) cake extract.**Natural product research , Volume: 29 Issue: 10 2015****Authors Del Serrone P,Failla S,Nicoletti M**Dietary supplementation with soybean oligosaccharides increases short-chain fatty acids but decreases protein-derived catabolites in the intestinal luminal content of weaned Huanjiang mini-piglets.**Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep****Authors Zhou XL,Kong XF,Lian GQ,Blachier F,Geng MM,Yin YL**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**High-level antimicrobial efficacy of representative Mediterranean natural plant extracts against oral microorganisms.**BioMed research international , Volume: 2014 2014****Authors Karygianni L,Cecere M,Skaltsounis AL,Argyropoulou A,Hellwig E,Aligiannis N,Wittmer A,Ai-Ahmad A**Fermentable non-starch polysaccharides increases the abundance of Bacteroides-Prevotella-Porphyromonas in ileal microbial community of growing pigs.**Animal : an international journal of animal bioscience , Volume: 8 Issue: 11 2014 Nov****Authors Ivarsson E,Roos S,Liu HY,Lindberg JE**Impact of diet and individual variation on intestinal microbiota composition and fermentation products in obese men**The ISME Journal , Volume: 8 Issue: 11 2014 Apr 24****Authors Salonen A,Lahti L,Salojärvi J,Holtrop G,Korpela K,Duncan SH,Date P,Farquharson F,Johnstone AM,Lobley GE,Louis P,Flint HJ,de Vos WM**454 pyrosequencing reveals changes in the faecal microbiota of adults consuming Lactobacillus casei Zhang.**FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun****Authors Zhang J,Wang L,Guo Z,Sun Z,Gesudu Q,Kwok L,Menghebilige,Zhang H**Bile acids and the gut microbiome.**Current opinion in gastroenterology , Volume: 30 Issue: 3 2014 May****Authors Ridlon JM,Kang DJ,Hylemon PB,Bajaj JS**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**Lactobacillus paracasei subsp. paracasei LC01 positively modulates intestinal microflora in healthy young adults.**Journal of microbiology (Seoul, Korea) , Volume: 51 Issue: 6 2013 Dec**

**Authors Zhang H,Sun J,Liu X,Hong C,Zhu Y,Liu A,Li S,Guo H,Ren F**

Effects of a probiotic, Enterococcus faecium, on growth performance, intestinal morphology, immune response, and cecal microflora in broiler chickens challenged with Escherichia coli K88.

**Poultry science , Volume: 92 Issue: 11 2013 Nov**

**Authors Cao GT,Zeng XF,Chen AG,Zhou L,Zhang L,Xiao YP,Yang CM**

Evaluation of bean and soy tempeh influence on intestinal bacteria and estimation of antibacterial properties of bean tempeh.

**Polish journal of microbiology , Volume: 62 Issue: 2 2013**

**Authors Kuligowski M,Jasinska-Kuligowska I,Nowak J**

Probiotic features of two oral Lactobacillus isolates.

**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1 2012 Jan**

**Authors Zavsic G,Petricevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I**

Effects of inulin and di-D-fructose dianhydride-enriched caramels on intestinal microbiota composition and performance of broiler chickens.

**Animal : an international journal of animal bioscience , Volume: 7 Issue: 11 2013 Nov**

**Authors Peinado MJ,Echávarri A,Ruiz R,Suárez-Pereira E,Ortiz Mellet C,García Fernández JM,Rubio LA**

Green tea extract as a local drug therapy on periodontitis patients with diabetes mellitus: A randomized case-control study.

**Journal of Indian Society of Periodontology , Volume: 17 Issue: 2 2013 Mar**

**Authors Gadagi JS,Chava VK,Reddy VR**

Effects of vanillin, quillaja saponin, and essential oils on in vitro fermentation and protein-degrading microorganisms of the rumen.

**Applied microbiology and biotechnology , Volume: 98 Issue: 2 2014 Jan**

**Authors Patra AK,Yu Z**

Green tea epigallocatechin-3-gallate attenuates Porphyromonas gingivalis-induced atherosclerosis.

**Pathogens and disease , Volume: 67 Issue: 1 2013 Feb**

**Authors Cai Y,Kurita-Ochiai T,Hashizume T,Yamamoto M**

Effect of acute and chronic red wine consumption on lipopolysaccharide concentrations.

**The American journal of clinical nutrition , Volume: 97 Issue: 5 2013 May**

**Authors Clemente-Postigo M,Queipo-Ortuño MI,Boto-Ordoñez M,Coin-Aragüez L,Roca-Rodríguez MM,Delgado-Lista J,Cardona F,Andrés-Lacueva C,Tinahones FJ**

Grain-rich diets differently alter ruminal and colonic abundance of microbial populations and lipopolysaccharide in goats.

**Anaerobe , Volume: 20 2013 Apr**

**Authors Metzler-Zebeli BU,Schmitz-Esser S,Klevenhusen F,Podstatzky-Lichtenstein L,Wagner M,Zebeli Q**

The ongoing battle against multi-resistant strains: in-vitro inhibition of hospital-acquired MRSA, VRE, Pseudomonas, ESBL E. coli and Klebsiella species in the presence of plant-derived antiseptic oils.

**Journal of crano-maxillo-facial surgery : official publication of the European Association for Crano-Maxillo-Facial Surgery , Volume: 41 Issue: 4 2013 Jun**

**Authors Warnke PH,Lott AJ,Sherry E,Wiltfang J,Podschun R**

Luteolin and fisetin inhibit the effects of lipopolysaccharide obtained from Porphyromonas gingivalis in human gingival fibroblasts.

**Molecular biology reports , Volume: 40 Issue: 1 2013 Jan**

**Authors Gutiérrez-Venegas G,Contreras-Sánchez A**

Influence of red wine polyphenols and ethanol on the gut microbiota ecology and biochemical biomarkers.

**The American journal of clinical nutrition , Volume: 95 Issue: 6 2012 Jun**

**Authors Queipo-Ortuño MI,Boto-Ordoñez M,Murri M,Gómez-Zumaquero JM,Clemente-Postigo M,Estruch R,Cardona Diaz F,Andrés-Lacueva C,Tinahones FJ**

Isoflavonoids and coumarins from Glycyrrhiza uralensis: antibacterial activity against oral pathogens and conversion of isoflavans into isoflavan-quinones during purification.

**Journal of natural products , Volume: 74 Issue: 12 2011 Dec 27**

**Authors Gafner S,Bergeron C,Villinski JR,Godejohann M,Kessler P,Cardellina JH,Ferreira D,Feghali K,Grenier D**

In-vitro antimicrobial activity and synergistic/antagonistic effect of interactions between antibiotics and some spice essential oils.

**Journal of environmental biology , Volume: 32 Issue: 1 2011 Jan**

**Authors Toroglu S**

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,Ortiz LT,Treviño J,Alzueta C**

Antibacterial activity in spices and local medicinal plants against clinical isolates of Karachi, Pakistan.

**Pharmaceutical biology , Volume: 49 Issue: 8 2011 Aug**

**Authors Ali NH,Faizi S,Kazmi SU**

Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.

**Poultry science , Volume: 90 Issue: 3 2011 Mar**

**Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A**

Investigations into the antiadhesive activity of herbal extracts against *Campylobacter jejuni*.

**Phytotherapy research : PTR , Volume: 25 Issue: 8 2011 Aug**

**Authors Bensch K,Tiralongo J,Schmidt K,Matthias A,Bone KM,Lehmann R,Tiralongo E**

Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.

**Molecules (Basel, Switzerland) , Volume: 15 Issue: 11 2010 Oct 27**

**Authors Sokovic M,Glamocilja J,Marin PD,Brkic D,van Griensven LJ**

Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.

**Food microbiology , Volume: 27 Issue: 7 2010 Oct**

**Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P**

Effect of apple intake on fecal microbiota and metabolites in humans.

**Anaerobe , Volume: 16 Issue: 5 2010 Oct**

**Authors Shinohara K,Ohashi Y,Kawasumi K,Terada A,Fujisawa T**

Antibacterial activity of the broad bean extracts on resistant bacteria.

**Pakistan journal of biological sciences : PJBS , Volume: 10 Issue: 3 2007 Feb 1**

**Authors Peyvast G,Khorsandi Z**

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**

Inhibitory activity of garlic (*Allium sativum*) extract on multidrug-resistant *Streptococcus mutans*.

**Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 25 Issue: 4 2007 Oct-Dec**

**Authors Fani MM,Kohanteb J,Dayaghi M**

Inhibitory effect of cranberry polyphenol on biofilm formation and cysteine proteases of *Porphyromonas gingivalis*.

**Journal of periodontal research , Volume: 42 Issue: 6 2007 Dec**

**Authors Yamanaka A,Kouchi T,Kasai K,Kato T,Ishihara K,Okuda K**

Effect of oral application of a probiotic *E. coli* strain on the intestinal microflora of children of allergic mothers during the first year of life.

**Folia microbiologica , Volume: 52 Issue: 2 2007**

**Authors Kocourková I,Žádníková R,Zížka J,Rosová V**

Susceptibility of *Prevotella intermedia*/*Prevotella nigrescens* (and *Porphyromonas gingivalis*) to propolis (bee glue) and other antimicrobial agents.

**Anaerobe , Volume: 8 Issue: 1 2002 Feb**

**Authors Santos FA,Bastos EM,Rodrígues PH,de Uzeda M,de Carvalho MA,Farias Lde M,Moreira ES**

Antimicrobial effect of mastic gum methanolic extract against *Porphyromonas gingivalis*.

**Journal of medicinal food , Volume: 9 Issue: 2 2006 Summer**

**Authors Sterer N**

Antimicrobial and antiplasmid activities of essential oils.

**Fitoterapia , Volume: 77 Issue: 4 2006 Jun**

**Authors Schelz Z,Molnar J,Hohmann J**

Propolis extract as an adjuvant to periodontal treatment.

**Oral health & preventive dentistry , Volume: 1 Issue: 1 2003**

**Authors Gebara EC,Pustiglioni AN,de Lima LA,Mayer MP**

[Antibacterial activity of essential oils on microorganisms isolated from urinary tract infection].

**Revista de saude publica , Volume: 38 Issue: 2 2004 Apr**

**Authors Pereira RS,Sumita TC,Furlan MR,Jorge AO,Ueno M**

Antimicrobial activity of extracts of local cough mixtures on upper respiratory tract bacterial pathogens.

**The West Indian medical journal , Volume: 52 Issue: 3 2003 Sep**

**Authors Adeleye IA,Opiah L**

Brazilian propolis: physicochemical properties, plant origin and antibacterial activity on periodontopathogens.

**Phytotherapy research : PTR , Volume: 17 Issue: 3 2003 Mar**

**Authors Santos FA,Bastos EM,Maia AB,Uzeda M,Carvalho MA,Farias LM,Moreira ES**

Interaction between probiotic lactic acid bacteria and canine enteric pathogens: a risk factor for intestinal Enterococcus faecium colonization?

**Veterinary microbiology , Volume: 92 Issue: 1-2 2003 Mar 20**

**Authors Rinkinen M,Jalava K,Westermarck E,Salminen S,Ouwehand AC**

Evaluation of N-acetylchitooligosaccharides as the main carbon sources for the growth of intestinal bacteria.

**FEMS microbiology letters , Volume: 209 Issue: 1 2002 Mar 19**

**Authors Chen HC,Chang CC,Mau WJ,Yen LS**

Probiotic activities of Lactobacillus casei rhamnosus: in vitro adherence to intestinal cells and antimicrobial properties.

**Research in microbiology , Volume: 152 Issue: 2 2001 Mar**

**Authors Forestier C,De Champs C,Vatoux C,Joly B**

In vitro utilization of amylopectin and high-amylose maize (Amylomaize) starch granules by human colonic bacteria.

**Applied and environmental microbiology , Volume: 65 Issue: 11 1999 Nov**

**Authors Wang X,Conway PL,Brown IL,Evans AJ**

Antimicrobial activity of essential oils and other plant extracts.

**Journal of applied microbiology , Volume: 86 Issue: 6 1999 Jun**

**Authors Hammer KA,Carson CF,Riley TV**

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**

Comparison of utilization of pectins from various sources by pure cultures of pectinolytic rumen bacteria and mixed cultures of rumen microorganisms.

**Acta microbiologica Polonica , Volume: 43 Issue: 1 1994**

**Authors Kasperowicz A**

The fermentation of lactulose by colonic bacteria.

**Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb**

**Authors Sahota SS,Bramley PM,Menzies IS**

Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.

**The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar**

**Authors Slade AP,Wyatt GM,Bayliss CE,Waites WM**

Phenolic constituents in Erythrina x bidwillii and their activity against oral microbial organisms.

**Chemical & pharmaceutical bulletin , Volume: 40 Issue: 10 1992 Oct**

**Authors Iinuma M,Tanaka T,Mizuno M,Yamamoto H,Kobayashi Y,Yonemori S**

Additional sources and private correspondance

**Private Correspondance , Volume: 1 Issue: 2018**

Effects of probiotic Enterococcus faecium NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing

**Animal Feed Science and Technology , Volume: 201 2015 Mar**

**Authors Edward Alain B.Pajarillo,Dae-Kyung Kang,Chan-Soo Park,Hyeun Bum Kim,Marilen P Balolong**

Curated database of commensal, symbiotic and pathogenic microbiota

**Generative Bioinformatics , Volume: Issue: 2014 Jun**

**Authors D'Adamo Peter**

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

**The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1**

**Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku**

## Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)  
Allergies  
Allergy to milk products  
Alopecia (Hair Loss)  
Alzheimer's disease  
Amyotrophic lateral sclerosis (ALS) Motor Neuron  
Ankylosing spondylitis  
Anorexia Nervosa  
Antiphospholipid syndrome (APS)  
Asthma  
Atherosclerosis  
Atrial fibrillation  
Autism  
Autoimmune Disease  
Barrett esophagus cancer  
benign prostatic hyperplasia  
Biofilm  
Bipolar Disorder  
Brain Trauma  
Breast Cancer  
Cancer (General)  
Carcinoma  
cdkl5 deficiency disorder  
Celiac Disease  
Cerebral Palsy  
Chronic Fatigue Syndrome  
Chronic Kidney Disease  
Chronic Lyme  
Chronic Obstructive Pulmonary Disease (COPD)  
Chronic Urticaria (Hives)  
Coagulation / Micro clot triggering bacteria  
Cognitive Function  
Colorectal Cancer  
Constipation  
Coronary artery disease  
COVID-19  
Crohn's Disease  
Cushing's Syndrome (hypercortisolism)  
cystic fibrosis  
d-lactic acidosis (one form of brain fog)  
deep vein thrombosis  
Denture Wearers Oral Shifts  
Depression  
Dermatomyositis  
Eczema  
Endometriosis  
Eosinophilic Esophagitis  
Epilepsy  
erectile dysfunction  
Fibromyalgia  
Food Allergy  
Functional constipation / chronic idiopathic constipation  
gallstone disease (gsd)  
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus  
Generalized anxiety disorder  
giant cell arteritis  
Glioblastoma  
Gout

Graves' disease  
Gulf War Syndrome  
Halitosis  
Hashimoto's thyroiditis  
Heart Failure  
hemorrhagic stroke  
Hemorrhoidal disease, Hemorrhoids, Piles  
Hidradenitis Suppurativa  
High Histamine/low DAO  
hypercholesterolemia (High Cholesterol)  
hyperglycemia  
Hyperlipidemia (High Blood Fats)  
hypersomnia  
hypertension (High Blood Pressure)  
Hypothyroidism  
Hypoxia  
IgA nephropathy (IgAN)  
Inflammatory Bowel Disease  
Insomnia  
Intelligence  
Intracranial aneurysms  
Irritable Bowel Syndrome  
ischemic stroke  
Juvenile idiopathic arthritis  
Liver Cirrhosis  
Long COVID  
Low bone mineral density  
Lung Cancer  
Lymphoma  
Mast Cell Issues / mastitis  
ME/CFS with IBS  
ME/CFS without IBS  
membranous nephropathy  
Menopause  
Metabolic Syndrome  
Mood Disorders  
multiple chemical sensitivity [MCS]  
Multiple Sclerosis  
Multiple system atrophy (MSA)  
myasthenia gravis  
neuropathic pain  
Neuropathy (all types)  
neuropsychiatric disorders (PANDAS, PANS)  
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic  
NonCeliac Gluten Sensitivity  
Obesity  
obsessive-compulsive disorder  
Osteoarthritis  
Osteoporosis  
pancreatic cancer  
Parkinson's Disease  
Peanut Allergy  
Polycystic ovary syndrome  
Postural orthostatic tachycardia syndrome  
Premenstrual dysphoric disorder  
primary biliary cholangitis  
Primary sclerosing cholangitis  
Psoriasis

**rheumatoid arthritis (RA),Spondyloarthritis (SpA)**  
**Rosacea**  
**Schizophrenia**  
**scoliosis**  
**sensorineural hearing loss**  
**Sjögren syndrome**  
**Sleep Apnea**  
**Slow gastric motility / Gastroparesis**  
**Small Intestinal Bacterial Overgrowth (SIBO)**  
**Stress / posttraumatic stress disorder**  
**Systemic Lupus Erythematosus**  
**Tic Disorder**  
**Tourette syndrome**  
**Type 1 Diabetes**  
**Type 2 Diabetes**  
**Ulcerative colitis**  
**Unhealthy Ageing**  
**Vitiligo**