

## Microbiome Information for: Neuropathy (all types)

### For non-prescribing Medical professionals Review

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

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

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

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

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

In the USA

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

Thome (<https://www.thome.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 Neuropathy (all types)

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

### Bacteria Name Rank Shift Taxonomy ID

|                 |       |      |        |
|-----------------|-------|------|--------|
| Akkermansia     | genus | High | 239934 |
| Blautia         | genus | High | 572511 |
| Borrelia        | genus | High | 138    |
| Butyrivibrio    | genus | Low  | 574697 |
| Chlamydia       | genus | High | 810    |
| Christensenella | genus | High | 990721 |
| Corynebacterium | genus | Low  | 1716   |
| Eggerthella     | genus | High | 84111  |
| Escherichia     | genus | Low  | 561    |
| Helicobacter    | genus | High | 209    |

### Bacteria Name

### Rank Shift Taxonomy ID

|                              |         |      |        |
|------------------------------|---------|------|--------|
| Ignatzschineria              | genus   | Low  | 112008 |
| Lactobacillus                | genus   | High | 1578   |
| Parabacteroides              | genus   | Low  | 375288 |
| Phascolarctobacterium        | genus   | High | 33024  |
| Roseburia                    | genus   | Low  | 841    |
| Rothia                       | genus   | High | 508215 |
| Rothia                       | genus   | High | 32207  |
| Streptococcus                | genus   | High | 1301   |
| Eubacteriales                | order   | High | 186802 |
| Faecalibacterium prausnitzii | species | Low  | 853    |
| Odoribacter splanchnicus     | species | Low  | 28118  |

## Substance to Consider Adding or Taking

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

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

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-

a]quinolizinium {Berberine} 1.5 gram/day

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

3,3',4',5,7-pentahydroxyflavone {Quercetin} 2 gram/day

Avena sativa x Hordeum vulgare {barley,oat}

bacillus

bacillus subtilis {B.Subtilis} 10 BCFU/day

bacillus,lactobacillus,streptococcus,saccharomyces probiotic

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

bifidobacterium bifidum {B. bifidum} 1 BCFU/day

bifidobacterium longum {B.Longum} 10 BCFU/day

Bovine Milk Products {Dairy}

enterococcus faecium {E. faecium} 1 BCFU/day

fructo-oligosaccharides 15 gram/day

fruit

fruit/legume fibre

Grape Polyphenols {Grape Flavonoids}

grapes

Hordeum vulgare {Barley} 60 gram/day

Lactocaseibacillus casei {L. casei} 48 BCFU/day

Lactocaseibacillus paracasei {L.paracasei} 40 BCFU/day

lactobacillus acidophilus {L. acidophilus} 20 BCFU/day

Lactobacillus Johnsonii {Lactobacillus Johnsonii} 10 BCFU/day

Lactobacillus plantarum {L. plantarum} 60 BCFU/day

Limosilactobacillus fermentum {L. fermentum} 12 BCFU/day

Limosilactobacillus reuteri {L. Reuteri} 22 BCFU/day

long-term, moderate-intensity exercise {exercise}

Malus domestica {apple}

oligosaccharides {oligosaccharides}

Panax ... {Ginseng} 2000 mg/day

pectin {pectin}

polyphenols 3 gram/day

Probiotic Mixture 1 {Japanese Vet Probiotic}

Probiotic Mixture 2 {Vetafarm Probiotic}

β-glucan {Beta-Glucan} 500 mg/day

yogurt

Zinc {Zinc Supplements} 300 mg/day

β-lactoglobulin {Whey} 60 gram/day

## Retail Probiotics

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

Global Healing Center / FloraTrex  
 SuperSmart / Full Spectrum Probiotic Formula  
 vita miracle / ultra-30 probiotics  
 Garden of Life / Dr. Formulated Once Daily Women's  
 hyperbiotics / pro-15  
 nature's way (au) / restore probiotic 100 billion  
 organic 3 / primal gut  
 Physician Choice / 60 Billion Probiotics  
 quantum wellness / restora flora  
 Probiotic 10 Billion Active Cells Daily Maintenance  
 garden of life / primal defense  
 newrhythm / probiotics 20 strains  
 Wholesome Wellness / Raw Probiotic  
 theramedix / probiotic  
 Advanced Bio-Cultures / Advance Multi Strain Probiotics  
 bioray / cytoflora  
 renew life / ultimate flora  
 up4 / ultra  
 bioglan bio (au) / happy probiotic 100  
 elixa / probiotic  
 douglas laboratories / multi probiotic 40 billion  
 renew life men's probiotic - ultimate  
 OMNI-BIOTIC® / 10 AAD  
 solaray / microbiome probiotic colon formula  
 1 md / complete probiotics platinum  
 seed / female version  
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion  
 Next Generation  
 Northwest Natural Products / PB8  
 Physis / Advance Probiotics  
 Dr. Mercola / Complete Probiotics  
 nature's bounty / probioti 10  
 Wakunaga / Max Probiotic  
 MegaFood / MegaFlora  
 Jetson (US) / Immunity Probiotics  
 udo's choice / super 8 gold  
 HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM  
 fürstenmed / lacto-bifido  
 Lake Avenue Nutrition / Probiotics 10 Strain Blend  
 Windove Probiotics / Ecologic®825  
 ASEA VIA / BIOME  
 Swiss BioEnergetics / Full Spectrum Probiotic Defence  
 probiotic pur (de) / realdose nutrition  
 spain (es) / vivomixx  
 naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion  
 Krauterhaus / Lactopro  
 LiveWell Nutrition / Pro-45  
 Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains  
 ferring / vsl#3  
 klaire labs / target gb-x  
 jamieson (can) / probiotic 10 bcfu  
 bravo europe / starter and complex  
 optibac / for every day  
 7 AM Ultra Probiotics

SuperSmart / Lactoxira  
 Realdose  
 nature's way (au) / restore probiotic bowel & colon health 30s  
 visbiome  
 up4 / adult  
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)  
 Ombre / Metabolic Booster  
 fairvital / microflora basic  
 NOW FOODS / Clinical GI Probiotic  
 HLH BIOPHARMA(DE) / LACTOBACT ® OMNI FOS  
 OMNI-BIOTIC®/ TRAVEL  
 organic 3 / gutpro  
 HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS  
 jarro formulas / jarro-dophilus® ultra  
 HMF Metabolic  
 blackmores (au) / probiotics+ immune defence  
 Ombre / Healthy Gut  
 young living/life 9  
 lifted naturals / mood boosting probiotic  
 bioglan bio (au) / happy probiotic 50  
 seed / male version  
 cytoplan(uk) / dentavital bifidophilus  
 ISCON Elegance/ Ochek Capsule 10  
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu  
 spain (es) / profaes4 viajeros  
 custom probiotics / six strain probiotic powder  
 Jetson / FIT  
 Seeking Health / Probiota HistaminX  
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis  
 SuperSmart / Probio Forte  
 claire labs / ther-biotic factor 4  
 Symprove™  
 speer labs / emuaid first defense  
 HMF IBS Relief  
 ecology\_allergycare  
 blackmore (au) / probiotics+ daily health  
 vinco / probiotic eight 65  
 HMF Forte  
 Bioflora(MX) / Woman  
 spain (es) / profaes4 edad escolar  
 Invivo / Bio.Me Femme UT  
 blackmore (au) / probiotics+ bowel support  
 HMF Intensive  
 Thryve LPCasei Th1, LPCasei Th2,L.Ferm IBF1, L.acidoph  
 Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains  
 ProbioMax® Daily DF  
 Smidge / Sensitive Probiotic  
 genestra brands® hm  
 blackmores (au) / probiotics + adults daily (90 capsules)  
 Bromatech (IT) / Rotanelle plus  
 jarro formula / jarro-dophilus original  
 aor / probiotic-3  
 bio-k+  
 solgar / advanced multi-billion dophilus  
 nature's way (au) / restore probiotic daily health 90s  
 SuperSmart / Candalb  
 custom probiotics / four strain lactobacilli  
 Bromatech (IT) / Aflugenex

Bromatech(IT) / FEMELLE  
 Immune Defense Daily Chewable Probiotic  
 INVIVO THERAPEUTICS / Bio.Me IB +  
 Seeking Health / Probiota Bifidobacterium  
 zint nutrition / probiotic collagen +  
 quality health(au)/ fridge free probiotic 25b  
 Bromatech (IT) / Enterelle  
 shin biofermin (jp) /s  
 Wakunaga / Kyo-Dophilus® Multi 9 Probiotic  
 Resbiotic /resB® Lung Support  
 Schwabe Pharma Italia / EnteroDophilus  
 jarow formulas / jarro-dophilus eps  
 naturopathica (au) / gastrohealth fibrepro  
 philips / colon health  
 Sash Vitality /Bio-Cultures Probiotics for Adults  
 UltraFlora® Restore  
 Bromatech (IT) / Psicobrain  
 jarow formulas / bifidus balance® + fos  
 HLH BIOPHARMA(DE) / LACTOBACT ® AAD  
 naturopathica (au) / gastrohealth probiotic adults 50+  
 Bromatech (IT) / Acronelle  
 Ombre / Mood Enhancer  
 Bromatech (IT) / Milonet  
 optibac / for every day max  
 PharmExtracta (IT) / INatal Sachets  
 naturopathica (au) / gastrohealth women's probiotic with cranberry  
 mwsb / candida yeast support  
 Bromatech / ENTERELLE PLUS  
 SuperSmart / Derma Relief  
 optibac / bifidobacteria & fibre  
 gnc / ultra probiotic complex  
 NaturalPharma / Profit Probiotics  
 Wakunaga / Pro+ Synbiotic  
 nature's way (au) / restore probiotic 30 billion 30s  
 Schiff® Digestive Advantage® Advanced Probiotics Multi-Strain Support  
 bravo europe / freeze-dried bravo  
 Wakunaga / Daily Probiotic  
 solgar / advanced 40+ acidophilus  
 SuperSmart / Vaginal Health  
 jarow formula / ideal bowel support® lp299v®  
 wakamoto (jp) / wakamoto pharmaceutical intestinal drug  
 custom probiotics / five strain bifidobacteria  
 Bromatech (IT) / Bifiselle  
 Bromatech (IT) / Citogenex  
 Ombre / Heart Health  
 PoolPharma (IT) / ProbioTKMIO  
 Wakunaga / 50+  
 CVSHealth / Daily Probiotic  
 HLH BIOPHARMA(DE) / LACTOBACT ® FORTE  
 FloraVantage® Balance  
 Nu U (uk) /Bio-Cultures Complex  
 just for tummies / live bacteria  
 Bromatech (IT) / Adomelle  
 up4 /women's  
 SuperSmart / Oral Health  
 UltraFlora® Immune Booster  
 powerlabs (au) / ultra blend  
 Genesis Bifidobacterium Complex BB Probiotic

natren / healthy trinity probiotic  
Purica Probiotic Cardio  
Maple Life Science™ / Lactobacillus reuteri  
spain (es) / gum peribalance  
CustomProbiotics.com / B. Longum Probiotic Powder  
HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL  
FloraVantage® Control  
trubiotics / one a day  
Maple Life Science™ / Lactobacillus plantarum  
danactive drink  
Nutrition Essentials / Probiotic (900 BCFU)  
Metabolics / Bifidobacterium Bifidum Powder  
PharmExtracta (IT) / Gliadines buccal stickpacks  
RepHresh /Pro-B Probiotic Supplement for Women  
Ombre / Harmony  
Bulk Probiotics / L. Paracasei Probiotic Powder  
biospec / probiotio-5  
corebiotic  
CustomProbiotics.com / L. Plantarum Probiotic Powder  
ImmuneBiotech Medical Sweden AB / GutMagnific®  
Bromatech (IT) / Serobiome  
spain (es) / casenbiotic  
BioGaia / BioGaia Products  
Bulk Probiotics / B. Bifidum Probiotic Powder (Anxiety Support)  
blackmore (au) / probiotics+ womens flora balance  
naturopathica (au) / gastrohealth antacid  
Optibac Probiotics / Bifidobacterium lactis HNO19  
SuperSmart / Lactobacillus reuteri  
Microbiome Plus+™ Gastrointestinal  
spain (es) / reuteri gotas  
Nature's Bounty / Acidophilus Probiotic  
Reduz melasma / Lactobacillus Johnsonii  
goodbelly drink  
Pharmextracta (IT) / iNatal PED stick  
enviromedica terraflora sbo probiotic  
Microbiome Labs / ZENBIOME Dual  
canada (ca) / calmbiotic  
Jetson (US) / Mood Probiotics  
Bulk Probiotics / L. Casei Probiotic Powder (Candida Support)  
Maple Life Science™ / Lactobacillus fermentum  
InnovixLabs / Mood Probiotic  
SuperSmart / H. Pylori Fight  
Law of Nature / Best Days Formula  
jarrow formulas / fem-dophilus®  
bioflorin (deu) / bioflorin  
global health trax / threelac  
solgar / advanced acidophilus plus  
BioGaia / BioGaia Osfortis  
Maple Life Science™ / Bifidobacterium Animalis  
naturopathica (au)/ gastrohealth probiotic daily care  
Floradapt Cardio  
Bulk Probiotics / L. Reuteri Probiotic Powder  
Activia®  
PrecisionBiotics / Immune  
UltraFlora® Control  
nature's instincts / ultra spore probiotic  
Biorela® Daily  
Bulk Probiotics / L. Acidophilus Probiotic Powder

spain (es) / lactanza hereditum  
Eden's / 3-in-1 Synbiotic Superblend  
Bromatech (IT) / Ramnoselle  
bio-botanical research / proflora4r restorative probiotic  
nature's way (au) / restore probiotic choc balls 60s  
Sanogermina / AB-Kolicare  
klaire labs / biospora  
microbiome labs/ megasporebiotic  
custom probiotics / b. lactis & b. bifidum probiotic powder  
BioGaia / Elactia  
jarrow formulas / jarro-dophilus mood  
Energybalance / ColoBiotica 28 Colon Support  
Probiotic Sticks  
UltraFlora® Intensive Care  
optibac / for women  
Bulk Probiotics / L. Johnsonii Probiotic Powder (Acid Reflux Support)  
Pädia GmbH (DE)/Mambiotic Kapseln  
quality health (au) / fridge free\* probiotic 60s  
microbiome labs / hu58  
anabolic laboratories / probiotic complete  
perfect pass / perfect pass probiotic bacillus spore  
natren / bifido factor  
CustomProbiotics.com / L. Reuteri Probiotic Powder  
spain (es) / aquilea intimus  
Maple Life Science™ / Lactobacillus Johnsonii  
BIO-BOTANICAL RESEARCH / Megacidin  
reserveage nutrition / beautiflora  
amy meyers / primal earth probiotic  
PrecisionBiotics / Zenflore  
PharmExtracta / Bowell  
Jetson / Gut Prep  
UltraFlora® Balance  
spain (es) / gastrus  
Ombre / Restore  
Bulk Probiotics / L. Plantarum Probiotic Powder  
spain (es) / I3.1  
customprobiotics.com / B. Bifidum Probiotic Powder  
bayer / trubiotics daily probiotic  
align / align  
Ombre / Ultimate Immunity  
CustomProbiotics.com / L. Paracasei Probiotic Powder  
Nature's Lab Intensive GI  
Schwabe Pharma Italia / MegaStress  
Microbiome Labs / MEGA Genesis  
Ombre / Endless Energy  
bioglan (au) / healthy kids probiotic choc balls 50s  
Prescript-Assist®/SBO Probiotic  
blackmore (au) / probiotics+ eczema relief  
Metabolics / Lactobacillus Acidophilus  
spain (es) / ns defenbiotic kids  
Align / Align® Chewables  
bioglan bio (au/ happy probiotic 25  
custom probiotics / d-lactate free probiotics powder  
Materna® Opti-Lac® Breast Feeding Support  
Good Start® by Gerber® Breastfeeding Comfort Plus Probiotics  
optibac / for those on antibiotics  
Bromatech (IT) / Lautoselle  
optibac / for your cholesterol



CustomProbiotics.com / L. Acidophilus Probiotic Powder  
jarrow formulas / fem dophilus  
Purica Probiotic Intensive GI  
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturerized)  
JGL / Lactogyn  
organic 3 / primal soil  
Align® Extra Strength  
Floradapt Gut Comfort  
SuperSmart / Bacillus Subtilis  
Bromatech (IT) / Pilorex  
Botica Alternativa / Lactobacilos Reuteri  
Maple Life Science™ / Bifidobacterium Bifidum  
Metabolics / Lactobacillus Plantarum Powder  
Nature's Lab Cardio  
reg'activ / immune & vitality  
Pharmextracta (IT) / iNatal DUO sachets  
Maple Life Science™ / Bifidobacterium longum  
Bulk Probiotics / Bacillus Subtilis Probiotic  
Bulk Probiotics / L. Fermentum Probiotic Powder  
Bulk Probiotics / B. Longum Probiotic Powder  
PharmExtracta (IT) / FG5 Forte In Sachets  
natren / megadophilus  
Metabolics / Bifidobacterium Longum Powder  
VSL Pharmaceuticals / Oxadrop  
microbiome labs / restorflora  
optibac / for daily immunity  
vitamin angels / just thrive  
CustomProbiotics.com / L. Casei Probiotic Powder

**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.

(N-acetyl-p-aminophenol {TYLENOL})

Azadirachta indica {Neem}

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements}

N-(phosphonomethyl)glycine {glyphosate}

Ocimum tenuiflorum {Tulsi}

Prunus mume {Umeboshi}

Sucralose {Splenda}

## Sample of Literature Used

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

### Changes of intestinal microbiome and its relationship with painful diabetic neuropathy in rats.

**BMC microbiology** , Volume: 25 Issue: 1 2025 May 8

Authors Jia S,Mi H,Su Y,Liu Y,Ming Z,Lin J

### Gut dysbiosis in patients with chronic pain: a systematic review and meta-analysis.

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

Authors Goudman L, Demuyser T, Pilitsis JG, Billot M, Roulaud M, Rigoad P, Moens M

### Integrated 16S rRNA Gene Sequencing and Metabolomics Analysis to Investigate the Important Role of Osthole on Gut Microbiota and Serum Metabolites in Neuropathic Pain Mice.

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

Authors Li R,Wang F,Dang S,Yao M,Zhang W,Wang J

### Alterations in the gut microbiota and metabolite profiles in the context of neuropathic pain.

**Molecular brain** , Volume: 14 Issue: 1 2021 Mar 9

Authors Chen P,Wang C,Ren YN,Ye ZJ,Jiang C,Wu ZB

### Distinctive Microbial Signatures and Gut-Brain Crosstalk in Pediatric Patients with Coeliac Disease and Type 1 Diabetes Mellitus.

**International journal of molecular sciences** , Volume: 22 Issue: 4 2021 Feb 3

Authors Singh P,Rawat A,Al-Jarrah B,Saraswathi S,Gad H,Elawad M,Hussain K,Hendaus MA,Al-Masri W,A Malik R,Al Khodor S,Akobeng AK

### Optic nerve involvement in Lyme disease.

**Current opinion in ophthalmology** , Volume: 23 Issue: 6 2012 Nov

Authors Träisk F,Lindquist L

### Chlamydia in anterior ischemic optic neuropathy.

**Ophthalmologica. Journal international d'ophtalmologie. International journal of ophthalmology. Zeitschrift fur Augenheilkunde** , Volume: 216 Issue: 3 2002 May-Jun

Authors Vécsei PV,Kircher K,Reitner A,Khanakha G,Stanek G

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

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

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

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

**Frontiers in nutrition** , Volume: 12 2025

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

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

**Biomedicines** , Volume: 13 Issue: 4 2025 Apr 9

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

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

**Microorganisms** , Volume: 13 Issue: 4 2025 Apr 7

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

### Alcohol exposure alters the diversity and composition of oral microbiome.

**Frontiers in cellular and infection microbiology** , Volume: 15 2025

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

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

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

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

### Lactobacillus Johnsonii YH1136 alleviates schizophrenia-like behavior in mice: a gut-microbiota-brain axis hypothesis study.

**BMC microbiology** , Volume: 25 Issue: 1 2025 Apr 2

Authors Zheng L,Xin J,Ye H,Sun N,Gan B,Gong X,Bao S,Xiang M,Wang H,Ni X,Li H,Zhang T

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

**Food & function** , 2025 Mar 20

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

### Oat $\beta$ -glucan prevents high fat diet induced obesity by targeting ileal Farnesoid X receptor-fibroblast growth factor 15

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

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

 $\beta$ -Glucan Alone or Combined with *Lactobacillus acidophilus* Positively Influences the Bacterial Diversity and Metabolites in the Colonic Microbiota of Type II Diabetic Patients.**Probiotics and antimicrobial proteins** , 2025 Feb 26

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

Gut microbiota modulation and inflammation mitigation in a murine model through a hull-less and purple grain barley genotype.**Food & function** , 2025 Feb 25

Authors Cortijo-Alfonso ME,Laghouchaouta H,Pena RN,Martínez M,Yuste S,Rubió-Piqué L,Piñol-Felis C

Correlation between daily physical activity and intestinal microbiota in perimenopausal women.**Sports medicine and health science** , Volume: 7 Issue: 3 2025 May

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

The efficacy and underlying mechanisms of berberine in the treatment of recurrent *Clostridioides difficile* infection.**International journal of antimicrobial agents** , Volume: 65 Issue: 5 2025 Feb 20

Authors Wang L,Xu T,Wu S,Zhao C,Huang H

Effect of dietary supplementation of *Bacillus subtilis* QST 713 on constipation, reproductive performance and offspring growth performance of sows.**Animal reproduction science** , Volume: 274 2025 Mar

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

Dairy Consumption and the Colonic Mucosa-Associated Gut Microbiota in Humans-A Preliminary Investigation.**Nutrients** , Volume: 17 Issue: 3 2025 Feb 2

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

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

*Lactobacillus fermentum* 016 Alleviates Mice Colitis by Modulating Oxidative Stress, Gut Microbiota, and Microbial Metabolism.**Nutrients** , Volume: 17 Issue: 3 2025 Jan 26

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

Synergistic defecation effects of *Bifidobacterium animalis* subsp. *lactis* BL-99 and fructooligosaccharide by modulating gut microbiota.**Frontiers in immunology** , Volume: 15 2024

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

Protective Potential of *Limosilactobacillus fermentum* Strains and Their Mixture on Inflammatory Bowel Disease via Regulating Gut Microbiota in Mice.**Journal of microbiology and biotechnology** , Volume: 35 2024 Dec 10

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

Amelioration of inflammatory bowel disease by *Bifidobacterium animalis* subsp. *lactis* XLTG11 in combination with mesalazine.**Frontiers in microbiology** , Volume: 15 2024

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

A Novel Supplement Consisting of Rice, Silkworm Pupae and a Mixture of Ginger and Holy Basil Improves Post-Stroke Cognitive Impairment.**Nutrients** , Volume: 16 Issue: 23 2024 Nov 29

Authors Thongwong P,Wattanathorn J,Thukham-Mee W

Polyphenols-rich *Portulaca oleracea* L. (purslane) alleviates ulcerative colitis through restoring the intestinal barrier, gut microbiota and metabolites.**Food chemistry** , Volume: 468 2025 Mar 15

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

Ginsenosides From *Panax ginseng* Improves Hepatic Lipid Metabolism Disorders in HFD-Fed Rats by Regulating Gut Microbiota and Cholesterol Metabolism Signaling Pathways.**Phytotherapy research : PTR** , 2024 Dec 11

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

*Limosilactobacillus fermentum* ZS09 Can Improve Antibiotic-Induced Motor Dysfunction in Mice by Regulating the Brain-Gut

Functions.**Journal of inflammation research** , Volume: 17 2024

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

Chitin promotes equol production via n-acetylglucosamine in human fecal cultures.**Anaerobe** , Volume: 91 2024 Nov 26

Authors Kodera M,Nakamura K,Yokoyama S

Tea Polyphenols Reduced Obesity by Modulating Gut Microbiota-SCFAs-Barrier and Inflammation in High-Fat Diet-Induced Mice.**Molecular nutrition & food research** , Volume: 68 Issue: 24 2024 Dec

Authors Tian B,Huang P,Pan Y,Gu H,Yang K,Wei Z,Zhang X

Galacto-oligosaccharides regulate intestinal mucosal sialylation to counteract antibiotic-induced mucin dysbiosis.**Food & function** , Volume: 15 Issue: 24 2024 Dec 9

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

Daily intake of a dairy-based nutritional supplement improved self-reported gastrointestinal symptoms and modulated microbiota in adult Chinese volunteers.**Scientific reports** , Volume: 14 Issue: 1 2024 Nov 19

Authors Borewicz K,Zhao Y,Zhu Y

Limosilactobacillus fermentum KBL674 Alleviates Vaginal Candidiasis.**Probiotics and antimicrobial proteins** , 2024 Nov 19

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

Protective effect of a newly probiotic Lactobacillus reuteri LY2-2 on DSS-induced colitis.**European journal of nutrition** , Volume: 64 Issue: 1 2024 Nov 15

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

Timing Matters: Late, but Not Early, Exercise Training Ameliorates MASLD in Part by Modulating the Gut-Liver Axis in Mice.**Journal of pineal research** , Volume: 76 Issue: 8 2024 Dec

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

A Novel Synbiotic Protects Against DSS-Induced Colitis in Mice via Anti-inflammatory and Microbiota-Balancing Properties.**Probiotics and antimicrobial proteins** , 2024 Nov 7

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

Microbiota-Focused Dietary Approaches to Support Health: A Systematic Review.**The Journal of nutrition** , Volume: 155 Issue: 2 2025 Feb

Authors Hindle VK,Veasley NM,Holscher HD

Human milk oligosaccharides and milk fat globule membrane reduce allergic reactions in mice through the modulation of gut microbiota and metabolic functions.**Food & function** , Volume: 15 Issue: 22 2024 Nov 11

Authors Chen X,Yang S,Guo Z,Li B,Wang Z,Jiang L

Bifidogenic Effect of Human Milk Oligosaccharides on Pediatric IBD Fecal Microbiota.**Microorganisms** , Volume: 12 Issue: 10 2024 Sep 30

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

Lactacisibacillus paracasei NCU-04 relieves constipation and the depressive-like behaviors induced by loperamide in mice through the microbiome-gut-brain axis.**Current research in food science** , Volume: 9 2024

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

Effects of xylo-oligosaccharide supplementation on the production performance, intestinal morphology, cecal short-chain fatty acid levels, and gut microbiota of laying hens.**Poultry science** , Volume: 103 Issue: 12 2024 Dec

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

Synbiotic supplementation may globally improve non-motor symptoms in patients with stable Parkinson's disease: results from an open label single-arm study.**Scientific reports** , Volume: 14 Issue: 1 2024 Oct 4

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

Effects of iron supplements and iron-containing micronutrient powders on the gut microbiome in Bangladeshi infants: a randomized controlled trial.**Nature communications** , Volume: 15 Issue: 1 2024 Oct 5

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

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

histidine biosynthesis.**Bioscience of microbiota, food and health** , Volume: 43 Issue: 4 2024

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

Garlic Bioconverted by Bacillus subtilis Stimulates the Intestinal Immune System and Modulates Gut Microbiota Composition.**Molecular nutrition & food research** , Volume: 68 Issue: 20 2024 Oct

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

Combination of Lactiplantibacillus Plantarum ELF051 and Astragalus Polysaccharides Improves Intestinal Barrier Function and Gut Microbiota Profiles in Mice with Antibiotic-Associated Diarrhea.**Probiotics and antimicrobial proteins** , 2024 Oct 1

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

Berberine alleviates ETEC-induced intestinal inflammation and oxidative stress damage by optimizing intestinal microbial composition in a weaned piglet model.**Frontiers in immunology** , Volume: 15 2024

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

Effects of saponins R(b1) and R(e) in American ginseng intervention on intestinal microbiota of aging model.**Frontiers in nutrition** , Volume: 11 2024

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

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

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

Water extract of ginseng alleviates parkinsonism in MPTP-induced Parkinson's disease mice.**PloS one** , Volume: 19 Issue: 9 2024

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

In vitro and ex vivo metabolism of chemically diverse fructans by bovine rumen Bifidobacterium and Lactobacillus species.**Animal microbiome** , Volume: 6 Issue: 1 2024 Sep 9

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

Differential growth enhancement followed by notable microbiota modulation in growing-finishing pigs by Bacillus subtilis strains ps4060, ps4100, and a 50:50 strain mixture.**PloS one** , Volume: 19 Issue: 9 2024

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

Bacillus licheniformis suppresses Clostridium perfringens infection via modulating inflammatory response, antioxidant status, inflammasome activation and microbial homeostasis in broilers.**Poultry science** , Volume: 103 Issue: 11 2024 Aug 21

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

Heat-killed Bifidobacterium longum BBMN68 and inulin protect against high-fat diet-induced obesity by modulating gut microbiota.**Frontiers in nutrition** , Volume: 11 2024

Authors Sun S,Zhang Q,Li D,Li H, Ma H,Wu X,Li Y,Wang P,Liu R,Feng H,Zhang Y,Sang Y,Fang B,Wang R

Effects of Physical Exercise on the Microbiota in Irritable Bowel Syndrome.**Nutrients** , Volume: 16 Issue: 16 2024 Aug 11

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

Lactocaseibacillus casei- and Bifidobacterium breve-fermented red pitaya promotes beneficial microbial proliferation in the colon.**Food & function** , Volume: 15 Issue: 18 2024 Sep 16

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

Lactobacillus plantarum Ameliorates Colorectal Cancer by Ameliorating the Intestinal Barrier through the CLA-PPAR-? Axis.**Journal of agricultural and food chemistry** , Volume: 72 Issue: 36 2024 Sep 11

Authors Chen Y, Ma W,Zhao J,Stanton C,Ross RP,Zhang H,Chen W,Yang B

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

Epicatechin and  $\beta$ -glucan from whole highland barley grain ameliorates hyperlipidemia associated with attenuating intestinal barrier dysfunction and modulating gut microbiota in high-fat-diet-fed mice.**International journal of biological macromolecules** , Volume: 278 Issue: Pt 3 2024 Oct

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

Integration of microbiome, metabolomics and transcriptome for in-depth understanding of berberine attenuates AOM/DSS-induced colitis-associated colorectal cancer.

**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 179 2024 Oct**

Authors Wang M, Ma Y, Yu G, Zeng B, Yang W, Huang C, Dong Y, Tang B, Wu Z

[Gut microbiota modulatory capacity of fermented ketchup in a validated in vitro model of the colon.](#)

**Food research international (Ottawa, Ont.) , Volume: 192 2024 Sep**

Authors Küçüköz K, Venema K, Trzaskowska M

[Quercetin Increases Growth Performance and Decreases Incidence of Diarrhea and Mechanism of Action in Weaned Piglets.](#)

**Oxidative medicine and cellular longevity , Volume: 2024 2024**

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

[Alginate Oligosaccharides Enhance Antioxidant Status and Intestinal Health by Modulating the Gut Microbiota in Weaned Piglets.](#)

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

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

[The alleviative effects of viable and inactive Lactobacillus paracasei CCFM1120 against alcoholic liver disease via modulation of gut microbiota and the Nrf2/HO-1 and TLR4/MyD88/NF- \$\kappa\$ B pathways.](#)

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

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

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

**Heliyon , Volume: 10 Issue: 14 2024 Jul 30**

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

[Exploring the anti-inflammatory effects of postbiotic proteins from Lactobacillus delbrueckii CIDCA 133 on inflammatory bowel disease model.](#)

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

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

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

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

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

[Lactocaseibacillus casei IB1 Alleviates DSS-Induced Inflammatory Bowel Disease by Regulating the Microbiota and Restoring the Intestinal Epithelial Barrier.](#)

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

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

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

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

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

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

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

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

[Enhancing gut microbiota and microbial function with inulin supplementation in children with obesity.](#)

**International journal of obesity (2005) , 2024 Jul 20**

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

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

**Journal of thermal biology , Volume: 123 2024 Jul**

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

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

**Food & function , 2024 Jul 19**

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

[Modulation of Human Gut Microbiota In Vitro by Inulin-Type Fructan from Codonopsis pilosula Roots.](#)

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

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

[Apple polysaccharide improves age-matched cognitive impairment and intestinal aging through microbiota-gut-brain axis.](#)

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

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

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

**Nutrients** , Volume: 16 Issue: 13 2024 Jun 24

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

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

**Nutrients** , Volume: 16 Issue: 13 2024 Jun 23

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

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

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

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

Microencapsulated Lactobacillus plantarum promotes intestinal development through gut colonization of layer chicks.

**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 18 2024 Sep

Authors Cui Y,Liu Y,Yang J,Duan H,Wang P,Guo L,Guo Y,Li S,Zhao Y,Wang J,Qi G,Guan J

Modulation of human gut microbiota by linear and branched fructooligosaccharides in an in vitro colon model (TIM-2).

**Journal of applied microbiology** , Volume: 135 Issue: 7 2024 Jul 2

Authors Popov IV,Koopmans B,Venema K

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

**Food chemistry** , Volume: 459 2024 Nov 30

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

Microbiome and metabolome analyses reveal significant alterations of gut microbiota and bile acid metabolism in ETEC-challenged weaned piglets by dietary berberine supplementation.

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

Authors Nie X,Lu Q,Yin Y,He Z,Bai Y,Zhu C

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

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

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

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

**Probiotics and antimicrobial proteins** , 2024 Jul 2

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

Prebiotic Potential of Goji Berry (Lycium barbarum) in Improving Intestinal Integrity and Inflammatory Profiles via Modification of the Gut Microbiota in High-Fat Diet-Fed Rats.

**Journal of medicinal food** , Volume: 27 Issue: 8 2024 Aug

Authors Jeong E,Eun S,Chae S,Lee S

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

**Animal bioscience** , Volume: 37 Issue: 12 2024 Dec

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

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

**Nutrients** , Volume: 16 Issue: 12 2024 Jun 14

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

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

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

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

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

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

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

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

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

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

Effects of cyclic antimicrobial lipopeptides from Bacillus subtilis on growth performance, intestinal morphology, and cecal



gene expression and microbiota community in broilers.

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

Authors Chen HW,Yu YH

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

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

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

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

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

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

Lactocaseibacillus 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

Protective effect of zinc gluconate on intestinal mucosal barrier injury in antibiotics and LPS-induced mice.

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

Authors Wang Y,Xiao J,Wei S,Su Y,Yang X,Su S,Lan L,Chen X,Huang T,Shan Q

A host-microbial metabolite interaction gut-on-a-chip model of the adult human intestine demonstrates beneficial effects upon inulin treatment of gut microbiome.

**Microbiome research reports** , Volume: 3 Issue: 2 2024

Authors Donkers JM,Wiese M,van den Broek TJ,Wierenga E,Agamennone V,Schuren F,van de Steeg E

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

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

**Probiotics and antimicrobial proteins** , 2024 Jun 3

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

Lactiplantibacillus plantarum JS19-adjunctly fermented goat milk alleviates D-galactose-induced aging by modulating oxidative stress and intestinal microbiota in mice.

**Journal of dairy science** , 2024 May 31

Authors He C,Mao Y,Wei L,Zhao A,Chen L,Zhang F,Cui X,Pan MH,Wang B

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

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

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

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

**Microorganisms** , Volume: 12 Issue: 5 2024 May 9

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Poultry science** , Volume: 103 Issue: 7 2024 Jul

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

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

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

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

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

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

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

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

**Food & function** , 2024 May 10

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Microorganisms** , Volume: 12 Issue: 4 2024 Mar 26

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

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

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

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

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

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

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

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

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

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

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

**Probiotics and antimicrobial proteins** , 2024 Apr 18

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

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

**PLoS one** , Volume: 19 Issue: 4 2024

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

Resveratrol Improves Hyperuricemia and Ameliorates Renal Injury by Modulating the Gut Microbiota.

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

**Authors** Zhou Y,Zeng Y,Wang R,Pang J,Wang X,Pan Z,Jin Y,Chen Y,Yang Y,Ling W

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Nutrients** , Volume: 16 Issue: 6 2024 Mar 8

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

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

**PeerJ** , Volume: 12 2024

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

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

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

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

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

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

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

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

**Food & function** , 2024 Mar 22

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

Mannan-oligosaccharides promote gut microecological recovery after antibiotic disturbance.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

X,Wang H,Zhang B,Feng Q

Polyphenols Influence the Development of Endometrial Cancer by Modulating the Gut Microbiota.

**Nutrients** , Volume: 16 Issue: 5 2024 Feb 28

Authors Baranowska-Wójcik E,Winiarska-Mieczan A,Oлча P,Kwiecien M,Jachimowicz-Rogowska K,Nowakowski L,Miturski A,Galczyński K

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

Microencapsulation with fructooligosaccharides and whey protein enhances the antioxidant activity of anthocyanins and their ability to modulate gut microbiota in vitro.

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

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

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

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

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

Synergistic activity of Limosilactobacillus reuteri KUB-AC5 and water-based plants against Salmonella challenge in a human in vitro gut model.

**Scientific reports** , Volume: 14 Issue: 1 2024 Feb 27

Authors Mok K,Honwicht O,Funnuam T,Charoensiddhi S,Nitisinprasert S,Nielsen DS,Nakphaichit M

Apple polyphenol extract ameliorates sugary-diet-induced depression-like behaviors in male C57BL/6 mice by inhibiting the inflammation of the gut-brain axis.

**Food & function** , Volume: 15 Issue: 6 2024 Mar 18

Authors Xie Y,Wu Z,Qian Q,Yang H,Ma J,Luan W,Shang S,Li X

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

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

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

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

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

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

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

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

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

Dietary probiotic Lactacaseibacillus paracasei NSMJ56 modulates gut immunity and microbiota in laying hens.

**Poultry science** , Volume: 103 Issue: 4 2024 Apr

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

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

**Journal of Cancer** , Volume: 15 Issue: 5 2024

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

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

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

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

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

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

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

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

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

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

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

**Microbial pathogenesis** , Volume: 188 2024 Mar

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

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

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

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

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

**Poultry science** , Volume: 103 Issue: 3 2024 Mar

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

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

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

Authors Huo A,Wang F

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

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

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

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

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

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

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

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

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

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

**Animal bioscience** , Volume: 37 Issue: 4 2024 Apr

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

Investigating the Health Implications of Whey Protein Consumption: A Narrative Review of Risks, Adverse Effects, and Associated Health Issues.

**Healthcare (Basel, Switzerland)** , Volume: 12 Issue: 2 2024 Jan 18

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

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

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

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

Oat protein isolate-Pleurotus ostreatus  $\beta$ -glucan conjugate nanoparticles bound to  $\beta$ -carotene effectively alleviate immunosuppression by regulating gut microbiota.

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

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

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

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

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

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

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

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

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

**Microbial pathogenesis** , Volume: 188 2024 Mar

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

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

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

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

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

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

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

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

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

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

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

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

Authors Cullen JMA,Shahzad S,Dhillon J

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

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

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

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

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

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

Integrated gut microbiome and metabolome analysis reveals the inhibition effect of *Lactobacillus plantarum* CBT against colorectal cancer.

**Food & function** , Volume: 15 Issue: 2 2024 Jan 22

Authors Chen YY,Fei F,Ding LL,Wen SY,Ren CF,Gong AH

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

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

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

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

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

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

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

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

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

Impact of glyphosate (Roundup(TM)) on the composition and functionality of the gut microbiome.

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

Authors Walsh L,Hill C,Ross RP

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Preventive Effects of Apple Polyphenol Extract on High-Fat-Diet-Induced Hepatic Steatosis Are Related to the Regulation of

Hepatic Lipid Metabolism, Autophagy, and Gut Microbiota in Aged Mice.

**Journal of agricultural and food chemistry** , Volume: 71 Issue: 50 2023 Dec 20

Authors Yin Y,Xie Y,Wu Z,Qian Q,Yang H,Li S,Li X

Role of microencapsulated Lactobacillus plantarum in alleviating intestinal inflammatory damage through promoting epithelial proliferation and differentiation in layer chicks.

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

Authors Cui Y,Huang P,Duan H,Song S,Gan L,Liu Z,Lin Q,Wang J,Qi G,Guan J

Free lipoproteins from Bifidobacterium longum alleviate osteoarthritis through modulation of the gut microbiome.

**Microbiome research reports** , Volume: 2 Issue: 3 2023

Authors Sane F,Piva F,Romond MB

Next-generation sequencing of the athletic gut microbiota: a systematic review.

**Microbiome research reports** , Volume: 2 Issue: 1 2023

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

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

**Frontiers in cellular and infection microbiology** , Volume: 13 2023

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

Piglet growth performance improved by dietary supplementation of porous or nano particles of zinc oxide may be related to the gut microbiota.

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

Authors Long L,Zhao X,Chen J,Wang Z,Tang Y,Huang J,Yin Y

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

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

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

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

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

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

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

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

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

Pectin from Citrus unshiu Marc. Alleviates Glucose and Lipid Metabolism by Regulating the Gut Microbiota and Metabolites.

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

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

Gut microbiome supplementation as therapy for metabolic syndrome.

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

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

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

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

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

Dietary Galactooligosaccharides Supplementation as a Gut Microbiota-Regulating Approach to Lower Early Life Arsenic Exposure.

**Environmental science & technology** , 2023 Nov 9

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

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

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

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

Cooperative interactions between Veillonella ratti and Lactobacillus acidophilus ameliorate DSS-induced ulcerative colitis in mice.

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

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

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

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

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

Gut microbiota and metabolic modulation by supplementation of polysaccharide-producing *Bacillus licheniformis* from Tibetan Yaks: A comprehensive multi-omics analysis.

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

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

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

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

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

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

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

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

Effect of a Co-Feed Liquid Whey-Integrated Diet on Crossbred Pigs` Fecal Microbiota.

**Animals : an open access journal from MDPI** , Volume: 13 Issue: 11 2023 May 25

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

Antibacterial activity of herbal formulation against common oral pathogens.

**Bioinformation** , Volume: 19 Issue: 5 2023

Authors Varghese RM,Aravind Kumar S,Rajeshkumar S

Uncovering the promising role of grape pomace as a modulator of the gut microbiome: An in-depth review.

**Heliyon** , Volume: 9 Issue: 10 2023 Oct

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

Modulation of pectin on intestinal barrier function via changes in microbial functional potential and bile acid metabolism.

**The Journal of nutritional biochemistry** , Volume: 124 2024 Feb

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

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

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

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

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

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

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

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

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

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

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

**Life sciences** , Volume: 334 2023 Dec 1

Authors Li X,Wang L

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

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

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

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

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

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

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

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

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

The Synergism of Human Lactobacillaceae and Inulin Decrease Hyperglycemia via Regulating the Composition of Gut Microbiota and Metabolic Profiles in db/db Mice.

**Journal of microbiology and biotechnology** , Volume: 33 Issue: 12 2023 Aug 21

Authors Li P,Tong T,Wu Y,Zhou X,Zhang M,Liu J,She Y,Li Z,Li A

Maternal exposure of mice to glyphosate induces depression- and anxiety-like behavior in the offspring via alterations of the gut-brain axis.

**The Science of the total environment** , Volume: 905 2023 Dec 20



Authors Buchenauer L,Haange SB,Bauer M,Rolle-Kampczyk UE,Wagner M,Stucke J,Elter E,Fink B,Vass M,von Bergen M,Schulz A,Zenclussen AC,Junge KM,Stangl G,Polte T

Gut microbial change after administration of *Lactobacillus paracasei* A0356 is associated with anti-obesity in a mouse model.

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

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

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

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

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

The Immunomodulatory Effect of  $\beta$ -Glucan Depends on the Composition of the Gut Microbiota.

**Foods (Basel, Switzerland)** , Volume: 12 Issue: 17 2023 Aug 22

Authors Sung M, Yoon Y, Lee J

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

**Food & function** , 2023 Sep 1

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

Immunomodulatory effects of inulin and its intestinal metabolites.

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

Authors Sheng W, Ji G, Zhang L

Relationship between Oat Consumption, Gut Microbiota Modulation, and Short-Chain Fatty Acid Synthesis: An Integrative Review.

**Nutrients** , Volume: 15 Issue: 16 2023 Aug 11

Authors Fabiano GA, Shinn LM, Antunes AEC

Organic zinc glycine chelate is better than inorganic zinc in improving growth performance of cherry valley ducks by regulating intestinal morphology, barrier function, and the gut microbiome.

**Journal of animal science** , Volume: 101 2023 Jan 3

Authors Chang Y, Wang K, Wen M, Wu B, Liu G, Zhao H, Chen X, Cai J, Jia G

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

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

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

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

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

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

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

**Physiology & behavior** , Volume: 270 2023 Oct 15

Authors Zhu Y, Zhu J, Song G

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

**Nutrients** , Volume: 15 Issue: 13 2023 Jul 5

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

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

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

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

Effects of organic zinc on production performance, meat quality, apparent nutrient digestibility and gut microbiota of broilers fed low-protein diets.

**Scientific reports** , Volume: 13 Issue: 1 2023 Jul 4

Authors Dong L, Li Y, Zhang Y, Zhang Y, Ren J, Zheng J, Diao J, Ni H, Yin Y, Sun R, Liang F, Li P, Zhou C, Yang Y

A multi-strain probiotic promoted recovery of puppies from gastroenteritis in a randomized, double-blind, placebo-controlled study.

**The Canadian veterinary journal = La revue veterinaire canadienne** , Volume: 64 Issue: 7 2023 Jul

Authors Molina RA, Villar MD, Miranda MH, Maldonado NC, Vignolo GM, Nader-Macías MEF

Effects of *Lactobacillus casei* (*Lactobacillus casei*) and *Saccharomyces cerevisiae* mixture on growth performance, hematological parameters, immunological responses, and intestinal microbiome in weaned pigs.

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

Authors Kim S, Kwak J, Song M, Cho J, Kim ES, Keum GB, Doo H, Pandey S, Cho JH, Ryu S, Kim S, Im YM, Kim HB

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

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

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

Effect of Probiotic Yogurt Supplementation(Bifidobacterium animalis ssp. lactis BB-12) on Gut Microbiota of Female Taekwondo Athletes and Its Relationship with Exercise-Related Psychological Fatigue.

**Microorganisms** , Volume: 11 Issue: 6 2023 May 26

Authors Zhu J,Zhu Y,Song G

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

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

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

Crosstalk between dietary pomegranate and gut microbiota: evidence of health benefits.

**Critical reviews in food science and nutrition** , 2023 Jun 19

Authors Yin Y,Martínez R,Zhang W,Estévez M

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

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

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

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

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

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

In vitro simulated fecal fermentation of mixed grains on short-chain fatty acid generation and its metabolized mechanism.

**Food research international (Ottawa, Ont.)** , Volume: 170 2023 Aug

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

A gluten degrading probiotic Bacillus subtilis LZU-GM relieve adverse effect of gluten additive food and balances gut microbiota in mice.

**Food research international (Ottawa, Ont.)** , Volume: 170 2023 Aug

Authors Khan A,Li S,Han H,Jin WL,Ling Z,JI J,Iram S,Liu P,Xiao S,Salama ES,Li X

Effects of exercise and physical activity on gut microbiota composition and function in older adults: a systematic review.

**BMC geriatrics** , Volume: 23 Issue: 1 2023 Jun 12

Authors Aya V,Jimenez P,Muñoz E,Ramírez JD

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

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

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

Bacillus amyloliquefaciens alleviates the pathological injuries in mice infected with Schistosoma japonicum by modulating intestinal microbiome.

**Frontiers in cellular and infection microbiology** , Volume: 13 2023

Authors Chen H,Sun R,Wang J,Yao S,Batool SS,Yu Z,Huang S,Huang J

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

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

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

Selenium-enriched Bifidobacterium longum DD98 relieves irritable bowel syndrome induced by chronic unpredictable mild stress in mice.

**Food & function** , Volume: 14 Issue: 11 2023 Jun 6

Authors Jin X,Hu Y,Lin T,Gao F,Xu Z,Hou X,Yin Y,Kan S,Zhu H,Chen D

Dietary Supplementation of Brevibacillus laterosporus S62-9 Improves Broiler Growth and Immunity by Regulating Cecal Microbiota and Metabolites.

**Probiotics and antimicrobial proteins** , 2023 May 22

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

Anti-diabetic effect of modified 'Guanximiyou' pummelo peel pectin on type 2 diabetic mice via gut microbiota.

**International journal of biological macromolecules** , Volume: 242 Issue: Pt 2 2023 Jul 1

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

Low-dose glyphosate exposure alters gut microbiota composition and modulates gut homeostasis.

**Environmental toxicology and pharmacology** , Volume: 100 2023 Jun

Authors Lehman PC,Cady N,Ghimire S,Shahi SK,Shrode RL,Lehmleer HJ,Mangalam AK

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

**Animal bioscience** , Volume: 36 Issue: 8 2023 Aug

**Authors Vimon S,Angkanaporn K,Nuengiamnong C**

Milk protects against sarcopenic obesity due to increase in the genus Akkermansia in faeces of db/db mice.

**Journal of cachexia, sarcopenia and muscle , Volume: 14 Issue: 3 2023 Jun**

**Authors Okamura T,Hamaguchi M,Nakajima H,Kitagawa N,Majima S,Senmaru T,Okada H,Ushigome E,Nakanishi N,Sasano R,Fukui M**

The effects of pectin on the gut microbiota and serum metabolites in mice fed with a high fat diet and exposed to low-dose antibiotics.

**Food & function , Volume: 14 Issue: 10 2023 May 22**

**Authors Xiao Q,Huang W,Wu Q,Xu H,Zhang Y,Yang J,Bian S,Tan H,Nie S**

Prevention of High-Fat-Diet-Induced Dyslipidemia by Lactobacillus plantarum LP104 through Mediating Bile Acid

Enterohepatic Axis Circulation and Intestinal Flora.

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

**Authors Wang Y,Xing X,Ma Y,Fan Y,Zhang Y,Nan B,Li X,Wang Y,Liu J**

Bacillus licheniformis reverses the environmental ceftriaxone sodium-induced gut microbial dysbiosis and intestinal inflammation in mice.

**Ecotoxicology and environmental safety , Volume: 257 2023 Jun 1**

**Authors Zeng Z,Yue W,Kined C,Wang P,Liu R,Liu J,Chen X**

Lactobacillus reuteri strain 8008 attenuated the aggravation of depressive-like behavior induced by CUMS in high-fat diet-fed mice through regulating the gut microbiota.

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

**Authors Li C,Su Z,Chen Z,Cao J,Liu X,Xu F**

Lactobacillus plantarum CCFM405 against Rotenone-Induced Parkinson's Disease Mice via Regulating Gut Microbiota and Branched-Chain Amino Acids Biosynthesis.

**Nutrients , Volume: 15 Issue: 7 2023 Apr 1**

**Authors Chu C,Yu L,Li Y,Guo H,Zhai Q,Chen W,Tian F**

Alleviation of Alcoholic Fatty Liver by Dendrobium officinale Flower Extracts due to Regulation of Gut Microbiota and Short-Chain Fatty Acids in Mice Exposed to Chronic Alcohol.

**Foods (Basel, Switzerland) , Volume: 12 Issue: 7 2023 Mar 28**

**Authors Zhang J,Fan J,Luo H,Liang Z,Guan Y,Lei X,Bo N,Zhao M**

Psychobiotic Lactobacillus plantarum JYLP-326 relieves anxiety, depression, and insomnia symptoms in test anxious college via modulating the gut microbiota and its metabolism.

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

**Authors Zhu R,Fang Y,Li H,Liu Y,Wei J,Zhang S,Wang L,Fan R,Wang L,Li S,Chen T**

Effects of Pomegranate Peel Polyphenols Combined with Inulin on Gut Microbiota and Serum Metabolites of High-Fat-Induced Obesity Rats.

**Journal of agricultural and food chemistry , Volume: 71 Issue: 14 2023 Apr 12**

**Authors Shi H,Li X,Hou C,Chen L,Zhang Y,Li J**

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

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

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

Lactobacillus plantarum ZJ316 alleviates ulcerative colitis by inhibiting inflammation and regulating short-chain fatty acid levels and the gut microbiota in a mouse model.

**Food & function , Volume: 14 Issue: 9 2023 May 11**

**Authors Gu Q,Xia C,Liu N,Chen Z,Zhou Q,Li P**

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

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

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

Lactobacillus plantarum HF02 alleviates lipid accumulation and intestinal microbiota dysbiosis in high-fat diet-induced obese mice.

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

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

Dietary Bacillus licheniformis shapes the foregut microbiota, improving nutrient digestibility and intestinal health in broiler chickens.

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

**Authors Han Y,Xu X,Wang J,Cai H,Li D,Zhang H,Yang P,Meng K**

Dietary Administration of Black Raspberries and Arsenic Exposure: Changes in the Gut Microbiota and Its Functional

Metabolites.**Metabolites** , Volume: 13 Issue: 2 2023 Jan 30

Authors Tu P,Tang Q,Mo Z,Niu H,Hu Y,Wu L,Chen Z,Wang X,Gao B

Dietary Supplementation with Probiotic Bacillus licheniformis S6 Improves Intestinal Integrity via Modulating Intestinal Barrier Function and Microbial Diversity in Weaned Piglets.**Biology** , Volume: 12 Issue: 2 2023 Feb 2

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

Efficacy of incremental loads of cow's milk as a treatment for lactose malabsorption in Japan.**World journal of clinical cases** , Volume: 11 Issue: 4 2023 Feb 6

Authors Hasegawa M,Okada K,Nagata S,Sugihara S

Effects of kiwi fruit (Actinidia chinensis) polysaccharides on metabolites and gut microbiota of acrylamide-induced mice.**Frontiers in nutrition** , Volume: 10 2023

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

Intestinal microbial composition changes induced by Lactobacillus plantarum GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.**Journal of animal science and technology** , Volume: 64 Issue: 6 2022 Nov

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

Donkey whey protein and peptides regulate gut microbiota community and physiological functions of D-galactose-induced aging mice.**Food science & nutrition** , Volume: 11 Issue: 2 2023 Feb

Authors Zhou X,Tian X,Song L,Luo L,Ma Z,Zhang F

Effects of  $\beta$ -glucan on Salmonella enterica serovar Typhimurium swine colonization and microbiota alterations.**Porcine health management** , Volume: 9 Issue: 1 2023 Feb 14

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

Different gut microbiota in U.S. formula-fed infants consuming a meat vs. dairy-based complementary foods: A randomized controlled trial.**Frontiers in nutrition** , Volume: 9 2022

Authors Tang M,Ma C,Weinheimer-Haus EM,Robertson CE,Kofonow JM,Berman LM,Waljee A,Zhu J,Frank DN,Krebs NF

The Dietary Fermentable Fiber Inulin Alters the Intestinal Microbiome and Improves Chronic Kidney Disease Mineral-Bone Disorder in a Rat Model of CKD.**bioRxiv : the preprint server for biology** , 2023 Jan 31

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

Inulin supplementation prior to mild traumatic brain injury mitigates gut dysbiosis, and brain vascular and white matter deficits in mice.**Frontiers in microbiomes** , Volume: 1 2022

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

The effect of Bacillus subtilis and its delivery route on hatch and growth performance, blood biochemistry, immune status, gut morphology, and microbiota of broiler chickens.**Poultry science** , Volume: 102 Issue: 4 2023 Apr

Authors Oladokun S,Adewole D

Oligofructose, 2'fucosyllactose and  $\beta$ -glucan in combination induce specific changes in microbial composition and short-chain fatty acid production compared to sole supplementation.**Journal of applied microbiology** , Volume: 134 Issue: 2 2023 Feb 16

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

Fructooligosaccharides (FOS) differentially modifies the in vitro gut microbiota in an age-dependent manner.**Frontiers in nutrition** , Volume: 9 2022

Authors Mahalak KK,Firman J,Narrowe AB,Hu W,Jones SM,Bittinger K,Moustafa AM,Liu L

Lactobacillus plantarum ZJUIDS14 alleviates non-alcoholic fatty liver disease in mice in association with modulation in the gut microbiota.**Frontiers in nutrition** , Volume: 9 2022

Authors Cao F,Ding Q,Zhuge H,Lai S,Chang K,Le C,Yang G,Valencak TG,Li S,Ren D

Lactobacillus acidophilus (LA) Fermenting Astragalus Polysaccharides (APS) Improves Calcium Absorption and Osteoporosis by Altering Gut Microbiota.**Foods (Basel, Switzerland)** , Volume: 12 Issue: 2 2023 Jan 6

Authors Zhou J,Cheng J,Liu L,Luo J,Peng X

Bacillus amyloliquefaciens 40 regulates piglet performance, antioxidant capacity, immune status and gut microbiota.**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 12 2023 Mar

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

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

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

Authors Bustos Fernández LM,Man F,Lasa JS

Ampicillin exacerbates acetaminophen-induced acute liver injury by inducing intestinal microbiota imbalance and butyrate reduction.

**Liver international : official journal of the International Association for the Study of the Liver , Volume: 43 Issue: 4 2023 Apr**

Authors Li ZM,Kong CY,Mao YQ,Huang JT,Chen HL,Han B,Wang LS

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

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

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

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

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

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

Diet-rich in wheat bran modulates tryptophan metabolism and AhR/IL-22 signalling mediated metabolic health and gut dysbacteriosis: A novel prebiotic-like activity of wheat bran.

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

Authors Yan T,Shi L,Liu T,Zhang X,Yang M,Peng W,Sun X,Yan L,Dai X,Yang X

Modulating gut microbiota and metabolites with dietary fiber oat  $\beta$ -glucan interventions to improve growth performance and intestinal function in weaned rabbits.

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

Authors Ma L,Luo Z,Huang Y,Li Y,Guan J,Zhou T,Du Z,Yong K,Yao X,Shen L,Yu S,Zhong Z,Hu Y,Peng G,Shi X,Cao S

The administration of *Enterococcus faecium* SF68 counteracts compositional shifts in the gut microbiota of diet-induced obese mice.

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

Authors Panattoni A,Calvigioni M,Benvenuti L,D'Antongiovanni V,Pellegrini C,Di Salvo C,Mazzantini D,Celandroni F,Fornai M,Antonioli L,Ghelardi E

Quercetin alleviates intestinal inflammation and improves intestinal functions via modulating gut microbiota composition in LPS-challenged laying hens.

**Poultry science , Volume: 102 Issue: 3 2023 Mar**

Authors Feng J,Li Z,Ma H,Yue Y,Hao K,Li J,Xiang Y,Min Y

Effects of a *Saccharomyces cerevisiae* fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.

**Journal of animal science , 2022 Dec 27**

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

Pectin supplement alleviates gut injury potentially through improving gut microbiota community in piglets.

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

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

Exercise effect on the gut microbiota in young adolescents with subthreshold depression: A randomized psychoeducation-controlled Trial.

**Psychiatry research , Volume: 319 2023 Jan**

Authors Wang R,Cai Y,Lu W,Zhang R,Shao R,Yau SY,Stubbs B,McIntyre RS,Su KP,Xu G,Qi L,So KF,Lin K

Differential reinforcement of intestinal barrier function by various *Lactobacillus reuteri* strains in mice with DSS-induced acute colitis.

**Life sciences , Volume: 314 2023 Feb 1**

Authors Lin C,Zheng Y,Lu J,Zhang H,Wang G,Chen W

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

**Nutrients , Volume: 14 Issue: 24 2022 Dec 8**

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

Influence of Dietary Inulin on Fecal Microbiota, Cardiometabolic Risk Factors, Eicosanoids, and Oxidative Stress in Rats Fed a High-Fat Diet.

**Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 16**

Authors Miralles-Pérez B,Nogués MR,Sánchez-Martos V,Fortuño-Mar À,Ramos-Romero S,Torres JL,Ponomarenko J,Amézqueta

S,Zhang X,Romeu M

Galactooligosaccharides ameliorate dietary advanced glycation end product-induced intestinal barrier damage in C57BL/6 mice by modulation of the intestinal microbiome.

**Food & function** , 2022 Dec 20

Authors Nie C,Xie X,Liu H,Yuan X,Ma Q,Tu A,Zhang M,Chen Z,Li J

Empire Apple (Malus domestica) Juice, Pomace, and Pulp Modulate Intestinal Functionality, Morphology, and Bacterial Populations In Vivo (Gallus gallus).

**Nutrients** , Volume: 14 Issue: 23 2022 Nov 22

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

Lactobacillus reuteri improves the development and maturation of fecal microbiota in piglets through mother-to-infant microbe and metabolite vertical transmission.

**Microbiome** , Volume: 10 Issue: 1 2022 Dec 2

Authors Wang G,Wang X,Ma Y,Cai S,Yang L,Fan Y,Zeng X,Qiao S

The effects of Saccharomyces boulardii on rat colonic hypermotility induced by repeated water avoidance stress and the potential mechanism.

**PeerJ** , Volume: 10 2022

Authors Liu J,Ren H,Yuan F,Shao M,Luo H

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

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

Authors Liu C,Sun C,Cheng Y

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

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

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

Enterococcus faecium GEFA01 alleviates hypercholesterolemia by promoting reverse cholesterol transportation via modulating the gut microbiota-SCFA axis.

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

Authors Xu W,Zou K,Zhan Y,Cai Y,Zhang Z,Tao X,Qiu L,Wei H

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

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

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

Effects of polysaccharides-riched Prunus mume fruit juice concentrate on uric acid excretion and gut microbiota in mice with adenine-induced chronic kidney disease.

**Current research in food science** , Volume: 5 2022

Authors Huang Y,Wu CX,Guo L,Zhang XX,Xia DZ

Diets enriched with finely ground wheat bran alter digesta passage rate and composition of the gut microbiome in sows.

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

Authors Wang Z,Wang W,Xu S,Ding J,Zeng X,Liu H,Wang F

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

**Nutrients** , Volume: 14 Issue: 21 2022 Oct 25

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

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

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

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

Effects of Bacillus subtilis BSNK-5-Fermented Soymilk on the Gut Microbiota by In Vitro Fecal Fermentation.

**Foods (Basel, Switzerland)** , Volume: 11 Issue: 21 2022 Nov 3

Authors Gao Y,Hou L,Hu M,Li D,Tian Z,Wen W,Fan B,Li S,Wang F

Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.

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

Authors Lee KS,Kim ES

Effects of Proteases from Pineapple and Papaya on Protein Digestive Capacity and Gut Microbiota in Healthy C57BL/6 Mice and Dose-Manner Response on Mucosal Permeability in Human Reconstructed Intestinal 3D Tissue Model.

**Metabolites** , Volume: 12 Issue: 11 2022 Oct 26

Authors Kostiuhenko O,Kravchenko N,Markus J,Burleigh S,Fedkiv O,Cao L,Letasiova S,Skibo G,Fåk Hållenius F,Prykhodko O

Structural Insights into Amelioration Effects of Quercetin and Its Glycoside Derivatives on NAFLD in Mice by Modulating the

Gut Microbiota and Host Metabolism.**Journal of agricultural and food chemistry** , Volume: 70 Issue: 46 2022 Nov 23

Authors Shi Z,Zhang C,Lei H,Chen C,Cao Z,Song Y,Chen G,Wu F,Zhou J,Lu Y,Zhang L

Gut microbiome and metabolome analyses reveal the protective effect of special high-docosahexaenoic acid tuna oil on d-galactose-induced aging in mice.**Food science & nutrition** , Volume: 10 Issue: 11 2022 Nov

Authors Zhang J,Yi C,Han J,Ming T,Zhou J,Lu C,Li Y,Su X

Co-fermented yellow wine lees by *Bacillus subtilis* and *Enterococcus faecium* regulates growth performance and gut microbiota in finishing pigs.**Frontiers in microbiology** , Volume: 13 2022

Authors Zhang Y,Wang C,Su W,Jiang Z,He H,Gong T,Kai L,Xu H,Wang Y,Lu Z

Baseline gut microbial profiles are associated with the efficacy of *Bacillus subtilis* and *Enterococcus faecium* in IBS-D.**Scandinavian journal of gastroenterology** , Volume: 58 Issue: 4 2023 Apr

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

Effects of iron deficiency and iron supplementation at the host-microbiota interface: Could a piglet model unravel complexities of the underlying mechanisms?**Frontiers in nutrition** , Volume: 9 2022

Authors Abbas M,Hayirli Z,Drakesmith H,Andrews SC,Lewis MC

*Lactobacillus delbrueckii* might lower serum triglyceride levels via colonic microbiota modulation and SCFA-mediated fat metabolism in parenteral tissues of growing-finishing pigs.**Frontiers in veterinary science** , Volume: 9 2022

Authors Hou G,Yin J,Wei L,Li R,Peng W,Yuan Y,Huang X,Yin Y

Probiotic effects of *Lactocaseibacillus rhamnosus* 1155 and *Limosilactobacillus fermentum* 2644 on hyperuricemic rats.**Frontiers in nutrition** , Volume: 9 2022

Authors Li Y,Zhu J,Lin G,Gao K,Yu Y,Chen S,Chen L,Chen Z,Li L

Treadmill Exercise Modulates Intestinal Microbes and Suppresses LPS Displacement to Alleviate Neuroinflammation in the Brains of APP/PS1 Mice.**Nutrients** , Volume: 14 Issue: 19 2022 Oct 5

Authors Yuan S,Yang J,Jian Y,Lei Y,Yao S,Hu Z,Liu X,Tang C,Liu W

Zinc Supplementation Partially Decreases the Harmful Effects of a Cafeteria Diet in Rats but Does Not Prevent Intestinal Dysbiosis.**Nutrients** , Volume: 14 Issue: 19 2022 Sep 22

Authors Squizani S,Jantsch J,Rodrigues FDS,Braga MF,Eller S,de Oliveira TF,Silveira AK,Moreira JCF,Giovenardi M,Porawski M,Guedes RP

[*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

Ameliorative effect of *Lactobacillus rhamnosus* GG on acetaminophen-induced hepatotoxicity via PKC/Nrf2/PGC-1 $\alpha$  pathway.**Journal, genetic engineering & biotechnology** , Volume: 20 Issue: 1 2022 Oct 6

Authors Ahmed HM,Shehata HH,El-Saeed GSM,Gabal HHA,El-Daly SM

Role of a probiotic strain in the modulation of gut microbiota and cytokines in inflammatory bowel disease.**Anaerobe** , Volume: 78 2022 Dec

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

Swimming exercise ameliorates depressive-like behavior by anti-inflammation activity, rebalancing gut *Escherichia coli* and *Lactobacilli*.**Brain research** , Volume: 1797 2022 Dec 15

Authors Ding Z,Du L

Effect and Mechanism of Pharmaceutical Excipients on Berberine to Alleviate Ulcerative Colitis via Regulating Gut Microbiota.**Molecules (Basel, Switzerland)** , Volume: 27 Issue: 18 2022 Sep 15

Authors Wu C,Zheng T,Chen H,Zou P,Zhang M,Wang J,Li N,Zhang Y,Li Y,Dong Z

Impact of Clarified Apple Juices with Different Processing Methods on Gut Microbiota and Metabolomics of Rats.**Nutrients** , Volume: 14 Issue: 17 2022 Aug 25

Authors Xu L,Yang S,Wang K,Lu A,Wang X,Xu Z

*Bacillus subtilis* M6 improves intestinal barrier, antioxidant capacity and gut microbial composition in AA broiler.

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

Authors Ji L,Zhang L,Liu H,Shen J,Zhang Y,Lu L,Zhang X,Ma X

[The antidiabetic effects of Bifidobacterium longum subsp. longum BL21 through regulating gut microbiota structure in type 2 diabetic mice.](#)

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

Authors Hao J,Zhang Y,Wu T,Liu R,Sui W,Zhu J,Fang S,Geng J,Zhang M

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

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

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

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

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

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

[Multi-omics analysis reveals therapeutic effects of Bacillus subtilis-fermented Astragalus membranaceus in hyperuricemia via modulation of gut microbiota.](#)

**Food chemistry , Volume: 399 2023 Jan 15**

Authors Wang R,Lin F,Ye C,Aihemaitijiang S,Halimulati M,Huang X,Jiang Z,Li L,Zhang Z

[Chicken Gut Microbiota Responses to Dietary Bacillus subtilis Probiotic in the Presence and Absence of Eimeria Infection.](#)

**Microorganisms , Volume: 10 Issue: 8 2022 Jul 31**

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

[Regulation of a High-Iron Diet on Lipid Metabolism and Gut Microbiota in Mice.](#)

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

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

[Bifidobacterium longum CECT 7894 Improves the Efficacy of Infliximab for DSS-Induced Colitis via Regulating the Gut Microbiota and Bile Acid Metabolism.](#)

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

Authors Xiao F,Dong F,Li X,Li Y,Yu G,Liu Z,Wang Y,Zhang T

[Modified highland barley regulates lipid metabolism, liver inflammation and gut microbiota in high-fat/cholesterol diet mice as revealed by LC-MS based metabolomics.](#)

**Food & function , Volume: 13 Issue: 17 2022 Aug 30**

Authors Li X,Du Y,Zhang C,Tu Z,Wang L

[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

[On the effect of flavonoids and dietary fibre in lingonberries on atherosclerotic plaques, lipid profiles and gut microbiota composition in Apoe\(-/-\) mice.](#)

**International journal of food sciences and nutrition , Volume: 73 Issue: 8 2022 Dec**

Authors Liu J,Hefni ME,Witthöft CM,Bergström M,Burleigh S,Nyman M,Hållenius F

[Bacillus coagulans in Combination with Chitooligosaccharides Regulates Gut Microbiota and Ameliorates the DSS-Induced Colitis in Mice.](#)

**Microbiology spectrum , Volume: 10 Issue: 4 2022 Aug 31**

Authors Liu Z,Jiang Z,Zhang Z,Liu T,Fan Y,Liu T,Peng N

[Dietary Goji Shapes the Gut Microbiota to Prevent the Liver Injury Induced by Acute Alcohol Intake.](#)

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

Authors Guo L,Guan Q,Duan W,Ren Y,Zhang XJ,Xu HY,Shi JS,Wang FZ,Lu R,Zhang HL,Xu ZH,Li H,Geng Y

[Inulin-type fructans change the gut microbiota and prevent the development of diabetic nephropathy.](#)

**Pharmacological research , Volume: 183 2022 Sep**

Authors Luo L,Luo J,Cai Y,Fu M,Li W,Shi L,Liu J,Dong R,Xu X,Tu L,Yang Y

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

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

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

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

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

Authors Kumar R,Maurya AK,Parker KD,Kant R,Ibrahim H,Kabir MI,Kumar D,Weber AM,Agarwal R,Kuhn KA,Ryan EP,Raina K



Recombinant Bifidobacterium longum Carrying Endostatin Protein Alleviates Dextran Sodium Sulfate-Induced Colitis and Colon Cancer in Rats.

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

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

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

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

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

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

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

**Nutrients** , Volume: 14 Issue: 13 2022 Jul 4

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

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

**Nutrients** , Volume: 14 Issue: 13 2022 Jun 30

Authors Huang F,Marungruang N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållénus FF,Heyman-Lindén L

The regulatory effect of fermented black barley on the gut microbiota and metabolic dysbiosis in mice exposed to cigarette smoke.

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

Authors Zhong L,Qin L,Ding X,Ma L,Wang Y,Liu M,Chen H,Yan H,Song L

Regulatory Effect of Lactiplantibacillus plantarum 2-33 on Intestinal Microbiota of Mice With Antibiotic-Associated Diarrhea.

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

Authors Bao W,He Y,Yu J,Liu M,Yang X,Ta N,Zhang E,Liang C

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

Immunological Activity and Gut Microbiota Modulation of Pectin from Kiwano (Cucumis metuliferus) Peels.

**Foods (Basel, Switzerland)** , Volume: 11 Issue: 11 2022 May 31

Authors Zhu M,Song Y,Martínez-Cuesta MC,Peláez C,Li E,Requena T,Wang H,Sun Y

In vitro Intervention of Lactobacillus paracasei N1115 Can Alter Fecal Microbiota and Their SCFAs Metabolism of Pregnant Women with Constipation and Diarrhea.

**Current microbiology** , Volume: 79 Issue: 7 2022 Jun 7

Authors Dang C,Zhao K,Xun Y,Feng L,Zhang D,Cui L,Cui Y,Jia X,Wang S

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

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

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

Lactobacillus reuteri J1 prevents obesity by altering the gut microbiota and regulating bile acid metabolism in obese mice.

**Food & function** , Volume: 13 Issue: 12 2022 Jun 20

Authors Zhang C,Fang R,Lu X,Zhang Y,Yang M,Su Y,Jiang Y,Man C

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

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

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

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

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

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

Lactobacillus acidophilus and HKL Suspension Alleviates Ulcerative Colitis in Rats by Regulating Gut Microbiota, Suppressing TLR9, and Promoting Metabolism.

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

Authors Aximujiang K,Kaheman K,Wushouer X,Wu G,Ahemaiti A,Yunusi K

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

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

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

Impact of pectin with various esterification degrees on the profiles of gut microbiota and serum metabolites.

**Applied microbiology and biotechnology** , Volume: 106 Issue: 9-10 2022 May

Authors Wu Q,Fan L,Tan H,Zhang Y,Fang Q,Yang J,Cui SW,Nie S

Bacillus amyloliquefaciens SC06 alleviates the obesity of ob/ob mice and improves their intestinal microbiota and bile acid metabolism.

**Food & function** , Volume: 13 Issue: 9 2022 May 10

Authors Zeng Z,Zhou Y,Xu Y,Wang S,Wang B,Zeng Z,Wang Q,Ye X,Jin L,Yue M,Tang L,Zou P,Zhao P,Li W

Lactobacillus casei Improve Anti-Tuberculosis Drugs-Induced Intestinal Adverse Reactions in Rat by Modulating Gut Microbiota and Short-Chain Fatty Acids.

**Nutrients** , Volume: 14 Issue: 8 2022 Apr 17

Authors Li Y,Zhao L,Hou M,Gao T,Sun J,Luo H,Wang F,Zhong F,Ma A,Cai J

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

Lactobacillus paracasei 24 Attenuates Lipid Accumulation in High-Fat Diet-Induced Obese Mice by Regulating the Gut Microbiota.

**Journal of agricultural and food chemistry** , Volume: 70 Issue: 15 2022 Apr 20

Authors Liu Z,Zhou X,Wang W,Gu L,Hu C,Sun H,Xu C,Hou J,Jiang Z

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

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

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

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

**Fish & shellfish immunology** , Volume: 124 2022 May

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

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

**Journal of immunology research** , Volume: 2022 2022

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

Spirulina platensis biomass enhances the proliferation rate of Lactobacillus acidophilus 5 (La-5) and combined with La-5 impact the gut microbiota of medium-age healthy individuals through an in vitro gut microbiome model.

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

Authors Barros de Medeiros VP,Salgado MK,Pimentel TC,Rodrigues da Silva TC,Sartoratto A,Lima MDS,Sassi CFDC,Mesa V,Magnani M,Sivieri K

Lactobacillus reuteri CCFM8631 Alleviates Hypercholesterolaemia Caused by the Paigen Atherogenic Diet by Regulating the Gut Microbiota.

**Nutrients** , Volume: 14 Issue: 6 2022 Mar 17

Authors Wang Q,He Y,Li X,Zhang T,Liang M,Wang G,Zhao J,Zhang H,Chen W

Bacillus subtilis WB800N alleviates diabetic wounds in mice by regulating gut microbiota homeostasis and TLR2.

**Journal of applied microbiology** , Volume: 133 Issue: 2 2022 Aug

Authors Mi J,Xie C,Zeng L,Zhu Z,Chen N,He Q,Xu X,Xie H,Zhou J,Li L,Liao J

Coated Zinc Oxide Improves Growth Performance of Weaned Piglets via Gut Microbiota.

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

Authors Sun Y, Ma N,Qi Z,Han M, Ma X

An Integrative Multiomics Approach to Characterize Prebiotic Inulin Effects on Faecalibacterium prausnitzii.

**Frontiers in bioengineering and biotechnology** , Volume: 10 2022

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

Effects of 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

Beneficial Effects of Partly Milled Highland Barley on the Prevention of High-Fat Diet-Induced Glycometabolic Disorder and the Modulation of Gut Microbiota in Mice.

**Nutrients** , Volume: 14 Issue: 4 2022 Feb 11

Authors Li S,Wang M,Li C,Meng Q,Meng Y,Ying J,Bai S,Shen Q,Xue Y

Pre-Administration of Berberine Exerts Chemopreventive Effects in AOM/DSS-Induced Colitis-Associated Carcinogenesis Mice via Modulating Inflammation and Intestinal Microbiota.

**Nutrients , Volume: 14 Issue: 4 2022 Feb 9**

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

[Zinc Methionine Improves the Growth Performance of Meat Ducks by Enhancing the Antioxidant Capacity and Intestinal Barrier Function.](#)

**Frontiers in veterinary science , Volume: 9 2022**

Authors Chang Y,Tang H,Zhang Z,Yang T,Wu B,Zhao H,Liu G,Chen X,Tian G,Cai J,Wu F,Jia G

[Akkermansia muciniphila Ameliorates Acetaminophen-Induced Liver Injury by Regulating Gut Microbial Composition and Metabolism.](#)

**Microbiology spectrum , Volume: 10 Issue: 1 2022 Feb 23**

Authors Xia J,Lv L,Liu B,Wang S,Zhang S,Wu Z,Yang L,Bian X,Wang Q,Wang K,Zhuge A,Li S,Yan R,Jiang H,Xu K,Li L

[Gallic Acid Alleviates Gut Dysfunction and Boosts Immune and Antioxidant Activities in Puppies Under Environmental Stress Based on Microbiome-Metabolomics Analysis.](#)

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

Authors Yang K,Deng X,Jian S,Zhang M,Wen C,Xin Z,Zhang L,Tong A,Ye S,Liao P,Xiao Z,He S,Zhang F,Deng J,Zhang L,Deng B

[Bifidobacterium animalis subsp. lactis BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.](#)

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

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

[Orange Pectin with Compact Conformation Effectively Alleviates Acute Colitis in Mice.](#)

**Journal of agricultural and food chemistry , Volume: 70 Issue: 5 2022 Feb 9**

Authors Cui J,Wang F,Zhao C,Zhou S,Zheng J

[Bifidobacterium bifidum Shows More Diversified Ways of Relieving Non-Alcoholic Fatty Liver Compared with Bifidobacterium adolescentis.](#)

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

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

[Oligosaccharide and Flavanoid Mediated Prebiotic Interventions to Treat Gut Dysbiosis Associated Cognitive Decline.](#)

**Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology , Volume: 17 Issue: 1-2 2022 Jun**

Authors Sarkar SR,Mazumder PM,Banerjee S

[Dietary Supplementation with Goji Berries \(Lycium barbarum\) Modulates the Microbiota of Digestive Tract and Caecal Metabolites in Rabbits.](#)

**Animals : an open access journal from MDPI , Volume: 12 Issue: 1 2022 Jan 5**

Authors Cremonesi P,Curone G,Biscarini F,Cotozzolo E,Menchetti L,Riva F,Marongiu ML,Castiglioni B,Barbato O,Munga A,Castrica M,Vigo D,Sulce M,Quattrone A,Agradi S,Brecchia G

[A Synbiotic Formulation Comprising Bacillus subtilis DSM 32315 and L-Alanyl-L-Glutamine Improves Intestinal Butyrate Levels and Lipid Metabolism in Healthy Humans.](#)

**Nutrients , Volume: 14 Issue: 1 2021 Dec 29**

Authors Tom Dieck H,Schön C,Wagner T,Pankoke HC,Flüegel M,Speckmann B

[Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.](#)

**International journal of molecular sciences , Volume: 23 Issue: 1 2021 Dec 24**

Authors Wellington VNA,Sundaram VL,Singh S,Sundaram U

[Berberine ameliorates aGVHD by gut microbiota remodelling, TLR4 signalling suppression and colonic barrier repairment for NLRP3 inflammasome inhibition.](#)

**Journal of cellular and molecular medicine , Volume: 26 Issue: 4 2022 Feb**

Authors Zhao Y,Huang J,Li T,Zhang S,Wen C,Wang L

[Yeast  \$\beta\$ -Glucan Altered Intestinal Microbiome and Metabolome in Older Hens.](#)

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

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

[The Prebiotic Effects of Oats on Blood Lipids, Gut Microbiota, and Short-Chain Fatty Acids in Mildly Hypercholesterolemic Subjects Compared With Rice: A Randomized, Controlled Trial.](#)

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

Authors Xu D,Feng M,Chu Y,Wang S,Shete V,Tuohy KM,Liu F,Zhou X,Kamil A,Pan D,Liu H,Yang X,Yang C,Zhu B,Lv N,Xiong Q,Wang X,Sun J,Sun G,Yang Y

[Dietary Quercetin Supplementation Attenuates Diarrhea and Intestinal Damage by Regulating Gut Microbiota in Weanling Piglets.](#)

**Oxidative medicine and cellular longevity , Volume: 2021 2021**

Authors Xu B,Qin W,Xu Y,Yang W,Chen Y,Huang J,Zhao J,Ma L

Crosstalk between gut microbiota and host lipid metabolism in a mouse model of alcoholic liver injury by chronic baijiu or ethanol feeding.

**Food & function** , Volume: 13 Issue: 2 2022 Jan 24

Authors Fang C,Zhou Q,Liu Q,Jia W,Xu Y

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

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

Authors Donati Zeppa S,Amatori S,Sisti D,Gervasi M,Agostini D,Piccoli G,Pazienza V,Gobbi P,Rocchi MBL,Sestili P,Stocchi V

Effects of Dietary Supplementation With *Bacillus subtilis*, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.

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

Authors Qiu K,Li CL,Wang J,Qi GH,Gao J,Zhang HJ,Wu SG

Fructooligosaccharides Increase in Plasma Concentration of (-)-Epigallocatechin-3-Gallate in Rats.

**Journal of agricultural and food chemistry** , Volume: 69 Issue: 49 2021 Dec 15

Authors Unno T,Araki Y,Inagaki S,Kobayashi M,Ichitani M,Takahara T,Kinugasa H

*Bacillus subtilis* Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with *Schistosoma japonicum*.

**Frontiers in cell and developmental biology** , Volume: 9 2021

Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.

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

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

Effects of Dietary Zinc Sources on Growth Performance and Gut Health of Weaned Piglets.

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

Authors Diao H,Yan J,Li S,Kuang S,Wei X,Zhou M,Zhang J,Huang C,He P,Tang W

Polydextrose with and without *Bifidobacterium animalis* ssp. *lactis* 420 drives the prevalence of *Akkermansia* and improves liver health in a multi-compartmental obesogenic mice study.

**PloS one** , Volume: 16 Issue: 12 2021

Authors Yde CC,Jensen HM,Christensen N,Servant F,Lelouvier B,Lahtinen S,Stenman LK,Airaksinen K,Kailanto HM

Gut microbiome and metabolome in a non-human primate model of chronic excessive alcohol drinking.

**Translational psychiatry** , Volume: 11 Issue: 1 2021 Dec 1

Authors Piacentino D,Grant-Beurmann S,Vizioli C,Li X,Moore CF,Ruiz-Rodado V,Lee MR,Joseph PV,Fraser CM,Weerts EM,Leggjo L

A Pilot Study of the Effect of *Lactobacillus casei* Obtained from Long-Lived Elderly on Blood Biochemical, Oxidative, and Inflammatory Markers, and on Gut Microbiota in Young Volunteers.

**Nutrients** , Volume: 13 Issue: 11 2021 Oct 29

Authors Mei LH,Zheng WX,Zhao ZT,Meng N,Zhang QR,Zhu WJ,Li RD,Liang XL,Li QY

Inulin-grown *Faecalibacterium prausnitzii* cross-feeds fructose to the human intestinal epithelium.

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

Authors Fagundes RR,Bourgonje AR,Saeed A,Vich Vila A,Plomp N,Blokzijl T,Sadaghian Sadabad M,von Martels JZH,van Leeuwen SS,Weersma RK,Dijkstra G,Harmsen HJM,Faber KN

$\beta$ -Glucan-triggered *Akkermansia muciniphila* expansion facilitates the expulsion of intestinal helminth via TLR2 in mice.

**Carbohydrate polymers** , Volume: 275 2022 Jan 1

Authors Jin X,Liu Y,Wang J,Wang X,Tang B,Liu M,Liu X

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

**Carbohydrate polymers** , Volume: 275 2022 Jan 1

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

Effect of Long-Term and Short-Term Imbalanced Zn Manipulation on Gut Microbiota and Screening for Microbial Markers Sensitive to Zinc Status.

**Microbiology spectrum** , Volume: 9 Issue: 3 2021 Dec 22

Authors Chen L,Wang Z,Wang P,Yu X,Ding H,Wang Z,Feng J

In Vitro Transformation of Protopanaxadiol Saponins in Human Intestinal Flora and Its Effect on Intestinal Flora.

**Evidence-based complementary and alternative medicine : eCAM** , Volume: 2021 2021

Authors Zhang M,Wang Y,Wu Y,Li F,Han M,Dai Y,Zheng F,Yue H

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

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

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

[Alleviation Effects of \*Bifidobacterium animalis\* subsp. \*lactis\* XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.](#)

**Microorganisms , Volume: 9 Issue: 10 2021 Oct 3**

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

[Supplementation with \*Lactiplantibacillus plantarum\* IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.](#)

**International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16**

Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C

[Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces \*Enterobacteriaceae\* Family Abundance and Elevates Propionate in a Bioreactor Model.](#)

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

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

[Influence of Diet on the Effect of the Probiotic \*Lactobacillus paracasei\* in Rats Suffering From Allergic Asthma.](#)

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

Authors Xie A,Song J,Lu S,Liu Y,Tang L,Wen S

[Gut microbiota mediates the effects of inulin on enhancing sulfomucin production and mucosal barrier function in a pig model.](#)

**Food & function , Volume: 12 Issue: 21 2021 Nov 1**

Authors Xia B,Wu W,Zhang L,Wen X,Xie J,Zhang H

[Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.](#)

**Microbiology spectrum , 2021 Oct 6**

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

[Berberine Alleviates Non-alcoholic Steatohepatitis Through Modulating Gut Microbiota Mediated Intestinal FXR Activation.](#)

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

Authors Shu X,Li M,Cao Y,Li C,Zhou W, Ji G,Zhang L

[Treatment with a spore-based probiotic containing five strains of \*Bacillus\* induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.](#)

**Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov**

Authors Marzorati M, Van den Abbeele P,Bubeck S,Bayne T,Krishnan K,Young A

[Early-life polyphenol intake promotes \*Akkermansia\* growth and increase of host goblet cells in association with the potential synergistic effect of \*Lactobacillus\*.](#)

**Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov**

Authors Lu F,Li Y,Wang X,Hu X,Liao X,Zhang Y

[Remodelling of gut microbiota by Berberine attenuates trimethylamine N-oxide-induced platelet hyperreaction and thrombus formation.](#)

**European journal of pharmacology , Volume: 911 2021 Nov 15**

Authors Xie Z,Liu X,Huang X,Liu Q,Yang M,Huang D,Zhao P,Tian J,Wang X,Hou J

[Oral iron supplementation after antibiotic exposure induces a deleterious recovery of the gut microbiota.](#)

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

Authors Cuisiniere T,Calvé A,Fragoso G,Oliero M,Hajjar R,Gonzalez E,Santos MM

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

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

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

[Bacillus pumilus and Bacillus subtilis Promote Early Maturation of Cecal Microbiota in Broiler Chickens.](#)

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

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

[Intake of Koji Amazake Improves Defecation Frequency in Healthy Adults.](#)

**Journal of fungi (Basel, Switzerland) , Volume: 7 Issue: 9 2021 Sep 21**

Authors Kurahashi A,Enomoto T,Oguro Y,Kojima-Nakamura A,Kodaira K,Watanabe K,Ozaki N,Goto H,Hirayama M

[The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.](#)

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

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

[Selenium-Enriched \*Lactobacillus acidophilus\* Ameliorates Dextran Sulfate Sodium-Induced Chronic Colitis in Mice by Regulating Inflammatory Cytokines and Intestinal Microbiota.](#)

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

Authors Wu Z,Pan D,Jiang M,Sang L,Chang B

Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.

**Journal of the science of food and agriculture** , Volume: 102 Issue: 5 2022 Mar 30

Authors Song H,Shen X,Chu Q,Zheng X

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

**Beneficial microbes** , 2021 Sep 13

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

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

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

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

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

**Frontiers in veterinary science** , Volume: 8 2021

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

Systematic Review of the Effects of Oat Intake on Gastrointestinal Health.

**The Journal of nutrition** , 2021 Sep 6

Authors Valido E,Stoyanov J,Bertolo A,Hertig-Godeschalk A,Zeh RM,Flueck JL,Minder B,Stojic S,Metzger B,Bussler W,Muka T,Kern H,Glisic M

Quercetin modulates the gut microbiota as well as the metabolome in a rat model of osteoarthritis.

**Bioengineered** , Volume: 12 Issue: 1 2021 Dec

Authors Lan H,Hong W,Qian D,Peng F,Li H,Liang C,Du M,Gu J,Mai J,Bai B,Peng G

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

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

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

A Novel Sprouted Oat Fermented Beverage: Evaluation of Safety and Health Benefits for Celiac Individuals.

**Nutrients** , Volume: 13 Issue: 8 2021 Jul 23

Authors Aparicio-García N,Martínez-Villaluenga C,Frias J,Crespo Perez L,Fernández CF,Alba C,Rodríguez JM,Peñas E

Quercetin Ameliorates Insulin Resistance and Restores Gut Microbiome in Mice on High-Fat Diets.

**Antioxidants (Basel, Switzerland)** , Volume: 10 Issue: 8 2021 Aug 5

Authors Tan Y,Tam CC,Rolston M,Alves P,Chen L,Meng S,Hong H,Chang SKC,Yokoyama W

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

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

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

Regulatory effects of Lactobacillus fermented black barley on intestinal microbiota of NAFLD rats.

**Food research international (Ottawa, Ont.)** , Volume: 147 2021 Sep

Authors Zhu C,Guan Q,Song C,Zhong L,Ding X,Zeng H,Nie P,Song L

A randomized, placebo-controlled trial investigating the acute and chronic benefits of American Ginseng (Cereboost®) on mood and cognition in healthy young adults, including in vitro investigation of gut microbiota changes as a possible mechanism of action.

**European journal of nutrition** , 2021 Aug 15

Authors Bell L,Whyte A,Duysburgh C,Marzorati M, Van den Abbeele P,Le Cozannet R,Fança-Berthon P,Fromentin E,Williams C

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

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

Authors Fernández-Ciganda S,Fraga M,Zunino P

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

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

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

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

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

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

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn`s disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

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

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

Effect of the use of probiotic *Bacillus subtilis* (QST 713) as a growth promoter in broilers: an alternative to bacitracin methylene disalicylate.

**Poultry science** , Volume: 100 Issue: 9 2021 Sep

Authors Rivera-Pérez W,Barquero-Calvo E,Chaves AJ

The effects of sustained fitness improvement on the gut microbiome: A longitudinal, repeated measures case-study approach.

**Translational sports medicine** , Volume: 4 Issue: 2 2021 Mar

Authors Barton W,Cronin O,Garcia-Perez I,Whiston R,Holmes E,Woods T,Molloy CB,Molloy MG,Shanahan F,Cotter PD,O'Sullivan O

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

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

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

Effects of ginseng soluble dietary fiber on serum antioxidant status, immune factor levels and cecal health in healthy rats.

**Food chemistry** , Volume: 365 2021 Jul 20

Authors Hua M,Liu Z,Sha J,Li S,Dong L,Sun Y

*Lactobacillus casei* LC89 exerts antidiabetic effects through regulating hepatic glucagon response and gut microbiota in type 2 diabetic mice.

**Food & function** , Volume: 12 Issue: 18 2021 Sep 20

Authors Zhang Y,Wu T,Li W,Zhao Y,Long H,Liu R,Sui W,Zhang M

Microencapsulated and Lyophilized *Lactobacillus acidophilus* Improved Gut Health and Immune Status of Peruminant Calves.

**Probiotics and antimicrobial proteins** , Volume: 14 Issue: 3 2022 Jun

Authors Kumar M,Kala A,Chaudhary LC,Agarwal N,Kochewad SA

The construction of recombinant *Lactobacillus casei* expressing hemagglutinin-neuraminidase protein and its immune response in chickens.

**Microbial pathogenesis** , Volume: 158 2021 Sep

Authors Ju A,Duan A,Zhang Y,Qin Y,Xue L,Ma X,Luan W,Yang S

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

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

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

Cranberry (*Vaccinium macrocarpon*) dietary supplementation and fecal microbiota of Wistar rats.

**AIMS microbiology** , Volume: 7 Issue: 2 2021

Authors Chettaoui R,Mayot G,De Almeida L,Di Martino P

Punicic acid ameliorates obesity and liver steatosis by regulating gut microbiota composition in mice.

**Food & function** , 2021 Jul 9

Authors Yuan G,Tan M,Chen X

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

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

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

Microbiota and Metabolite Modifications after Dietary Exclusion of Dairy Products and Reduced Consumption of Fermented Food in Young and Older Men.

**Nutrients** , Volume: 13 Issue: 6 2021 Jun 1

Authors Kim J,Burton-Pimentel KJ,Fleuti C,Blaser C,Scherz V,Badertscher R,Marmonier C,Lyon-Belgy N,Caille A,Pidou V,Blot A,Bertelli C,David J,Bütikofer U,Greub G,Dardevet D,Polakof S,Vergères G

Effects of Wine and Its Microbial-Derived Metabolites on Intestinal Permeability Using Simulated Gastrointestinal Digestion/Colonic Fermentation and Caco-2 Intestinal Cell Models.

**Microorganisms** , Volume: 9 Issue: 7 2021 Jun 24

Authors Zorraquín-Peña I,Taladrid D,Tamargo A,Silva M,Molinero N,de Llano DG,Bartolomé B,Moreno-Arribas MV

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

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

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

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

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

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

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

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

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

[Improvement of Metabolic Syndrome in High-Fat Diet-Induced Mice by Yeast  \$\beta\$ -Glucan Is Linked to Inhibited Proliferation of Lactobacillus and Lactococcus in Gut Microbiota.](#)

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

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

[Imbalanced dietary intake alters the colonic microbial profile in growing rats.](#)

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

Authors Jung TH,Han KS

[Zinc hydroxychloride supplementation improves tibia bone development and intestinal health of broiler chickens.](#)

**Poultry science , Volume: 100 Issue: 8 2021 Aug**

Authors Nguyen HTT,Morgan N,Roberts JR,Wu SB,Swick RA,Toghyani M

[Protective effect of Bifidobacterium bifidum FSDJN705 and Bifidobacterium breve FHNQ23M3 on diarrhea caused by enterotoxigenic Escherichia coli.](#)

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

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

[Lactic acid production ability of Lactobacillus sp. from four tropical fruits using their by-products as carbon source.](#)

**Heliyon , Volume: 7 Issue: 5 2021 May**

Authors Ngouénam JR,Momo Kenfack CH,Foko Kouam EM,Kaktcham PM,Maharjan R,Ngoufack FZ

[Lactobacillus acidophilus LA14 Alleviates Liver Injury.](#)

**mSystems , Volume: 6 Issue: 3 2021 Jun 29**

Authors Lv L,Yao C,Yan R,Jiang H,Wang Q,Wang K,Ren S,Jiang S,Xia J,Li S,Yu Y

[Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.](#)

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

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

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

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

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

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

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

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

[Modulatory Effects of Bacillus subtilis on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying Hens.](#)

**Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 24**

Authors Zhang G,Wang H,Zhang J,Tang X,Raheem A,Wang M,Lin W,Liang L,Qi Y,Zhu Y,Jia Y,Cui S,Qin T

[Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.](#)

**Nutrients , Volume: 13 Issue: 5 2021 May 20**

Authors Milton-Laskibar I,Marcos-Zambrano LJ,Gómez-Zorita S,Fernández-Quintela A,Carrillo de Santa Pau E,Martínez JA,Portillo MP

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

**Nutrients , Volume: 13 Issue: 6 2021 May 21**

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

[Porphyran-derived oligosaccharides alleviate NAFLD and related cecal microbiota dysbiosis in mice.](#)

**FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 35 Issue: 6 2021 Jun**

Authors Wang X,Liu D,Wang Z,Cai C,Jiang H,Yu G

[Effect of Fermented Products Produced by Bacillus licheniformis on the Growth Performance and Cecal Microbial Community of Broilers under Coccidial Challenge.](#)

**Animals : an open access journal from MDPI , Volume: 11 Issue: 5 2021 Apr 26**

Authors Cheng YH,Hong YB,Chen WJ,Hua KF,Dybus A,Yu YH



Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice.**Nutrients** , Volume: 13 Issue: 5 2021 Apr 24

Authors Neyrinck AM,Sánchez CR,Rodríguez J,Cani PD,Bindels LB,Delzenne NM

Synbiotic formulation of Cichorium intybus root powder with Lactobacillus acidophilus NCDC15 and Lactobacillus reuteri BFE7 improves growth performance in Murrah buffalo calves via altering selective gut health indices.**Tropical animal health and production** , Volume: 53 Issue: 2 2021 Apr 28

Authors Singh M,Kumar S,Banakar PS,Vinay VV,Das A,Tyagi N,Tyagi AK

Preventive Effects of Bacillus licheniformis on Heat Stroke in Rats by Sustaining Intestinal Barrier Function and Modulating Gut Microbiota.**Frontiers in microbiology** , Volume: 12 2021

Authors Li L,Wang M,Chen J,Xu Z,Wang S,Xia X,Liu D,Wang S,Xie C,Wu J,Li J,Zhang J,Wang M,Zhu J,Ling C,Xu S

Berberine, a potential prebiotic to indirectly promote Akkermansia growth through stimulating gut mucin secretion.**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 139 2021 Jul

Authors Dong C,Yu J,Yang Y,Zhang F,Su W,Fan Q,Wu C,Wu S

Lactacaseibacillus paracasei PS23 Effectively Modulates Gut Microbiota Composition and Improves Gastrointestinal Function in Aged SAMP8 Mice.**Nutrients** , Volume: 13 Issue: 4 2021 Mar 29

Authors Chen LH,Wang MF,Chang CC,Huang SY,Pan CH,Yeh YT,Huang CH,Chan CH,Huang HY

Cloudy Apple Juice Fermented by Lactobacillus Prevents Obesity via Modulating Gut Microbiota and Protecting Intestinal Tract Health.**Nutrients** , Volume: 13 Issue: 3 2021 Mar 17

Authors Han M,Zhang M,Wang X,Bai X,Yue T,Gao Z

A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial.**Nutrients** , Volume: 13 Issue: 4 2021 Mar 27

Authors Barnett MPG,Young W,Armstrong K,Brewster D,Cooney JM,Ellett S,Espley RV,Laing W,Maclean P,McGhie T,Pringle G,Roy NC,Ferguson LR

Ingestion of High  $\beta$ -Glucan Barley Flour Enhances the Intestinal Immune System of Diet-Induced Obese Mice by Prebiotic Effects.**Nutrients** , Volume: 13 Issue: 3 2021 Mar 11

Authors Mio K,Otake N,Nakashima S,Matsuoka T,Aoe S

Lactobacillus acidophilus LA5 improves saturated fat-induced obesity mouse model through the enhanced intestinal Akkermansia muciniphila.**Scientific reports** , Volume: 11 Issue: 1 2021 Mar 18

Authors Ondee T,Pongpirul K,Visitchanakun P,Saisorn W,Kanacharoen S,Wongsaroj L,Kullapanich C,Ngamwongsatit N,Settachaimongkon S,Somboonna N,Leelahavanichkul A

Beverages containing Lactobacillus paracasei LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites.**Journal of dairy science** , 2021 Mar 10

Authors Sun E,Zhang X,Zhao Y,Li J,Sun J,Mu Z,Wang R

Effect of Blueberry Anthocyanin-Rich Extracts on Peripheral and Hippocampal Antioxidant Defensiveness: The Analysis of the Serum Fatty Acid Species and Gut Microbiota Profile.**Journal of agricultural and food chemistry** , Volume: 69 Issue: 12 2021 Mar 31

Authors Si X,Bi J,Chen Q,Cui H,Bao Y,Tian J,Shu C,Wang Y,Tan H,Zhang W,Chen Y,Li B

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

Lactobacillus plantarum and Bifidobacterium bifidum alleviate dry eye in mice with exorbital lacrimal gland excision by modulating gut inflammation and microbiota.**Food & function** , Volume: 12 Issue: 6 2021 Mar 21

Authors Yun SW,Son YH,Lee DY,Shin YJ,Han MJ,Kim DH

Probiotic Bacillus subtilis 29,784 improved weight gain and enhanced gut health status of broilers under necrotic enteritis condition.**Poultry science** , Volume: 100 Issue: 4 2021 Apr

Authors Keerqin C,Rhayat L,Zhang ZH,Gharib-Naseri K,Kheravii SK,Devillard E,Crowley TM,Wu SB

Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver

Disease in Mice.**mSystems** , Volume: 6 Issue: 1 2021 Feb 23

Authors Shi Z,Lei H,Chen G,Yuan P,Cao Z,Ser HL,Zhu X,Wu F,Liu C,Dong M,Song Y,Guo Y,Chen C,Hu K,Zhu Y,Zeng XA,Zhou J,Lu Y,Patterson AD,Zhang L

Long-term and continuous administration of Bacillus subtilis during remission effectively maintains the remission of inflammatory bowel disease by protecting intestinal integrity, regulating epithelial proliferation, and reshaping microbial structure and function.**Food & function** , Volume: 12 Issue: 5 2021 Mar 15

Authors Liu Y,Yin F,Huang L,Teng H,Shen T,Qin H

Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.**Frontiers in bioengineering and biotechnology** , Volume: 9 2021

Authors Fu J,Wang Y,Tan S,Wang J

The effect of acute moderate-intensity exercise on the serum and fecal metabolomes and the gut microbiota of cross-country endurance athletes.**Scientific reports** , Volume: 11 Issue: 1 2021 Feb 11

Authors Tabone M,Bressa C,García-Merino JA,Moreno-Pérez D,Van EC,Castelli FA,Fenaille F,Larrosa M

Lactobacillus fermentum CECT5716 ameliorates high fat diet-induced obesity in mice through modulation of gut microbiota dysbiosis.**Pharmacological research** , 2021 Jan 30

Authors Molina-Tijeras JA,Diez-Echave P,Vezza T,Hidalgo-García L,Ruiz-Malagón AJ,Rodríguez-Sojo MJ,Romero M,Robles-Vera I,García F,Plaza-Díaz J,Olivares M,Duarte J,Rodríguez-Cabezas ME,Rodríguez-Nogales A,Gálvez J

Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With Bacillus subtilis-Fermented Milk via Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.**Frontiers in microbiology** , Volume: 11 2020

Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R

Effects of novel probiotic strains of Bacillus pumilus and Bacillus subtilis on production, gut health, and immunity of broiler chickens raised under suboptimal conditions.**Poultry science** , Volume: 100 Issue: 3 2021 Mar

Authors Bilal M,Si W,Barbe F,Chevaux E,Sienkiewicz O,Zhao X

Effect of probiotic Lactobacillus plantarum Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults.**World journal of gastroenterology** , Volume: 27 Issue: 1 2021 Jan 7

Authors Rahayu ES,Mariyatun M,Putri Manurung NE,Hasan PN,Therdthatha P,Mishima R,Komalasari H,Mahfuzah NA,Pamungkaningtyas FH,Yoga WK,Nurfiana DA,Liwan SY,Juffrie M,Nugroho AE,Utami T

Use of Shotgun Metagenomics and Metabolomics to Evaluate the Impact of Glyphosate or Roundup MON 52276 on the Gut Microbiota and Serum Metabolome of Sprague-Dawley Rats.**Environmental health perspectives** , Volume: 129 Issue: 1 2021 Jan

Authors Mesnage R,Teixeira M,Mandrioli D,Falcioni L,Ducarmon QR,Zwittink RD,Mazzacuva F,Caldwell A,Halket J,Amiel C,Panoff JM,Belpoggi F,Antoniou MN

Pretreatment with chitosan oligosaccharides attenuate experimental severe acute pancreatitis via inhibiting oxidative stress and modulating intestinal homeostasis.**Acta pharmacologica Sinica** , 2021 Jan 25

Authors Mei QX,Hu JH,Huang ZH,Fan JJ,Huang CL,Lu YY,Wang XP,Zeng Y

Berberine ameliorates ovariectomy-induced anxiety-like behaviors by enrichment in equal generating gut microbiota.**Pharmacological research** , Volume: 165 2021 Mar

Authors Fang Y,Zhang J,Zhu S,He M,Ma S,Jia Q,Sun Q,Song L,Wang Y,Duan L

Effect of dietary inclusion of dried apple pomace on faecal butyrate concentration and modulation of gut microbiota in dogs.**Archives of animal nutrition** , Volume: 75 Issue: 1 2021 Feb

Authors de Brito CBM,Menezes Souza CM,Bastos TS,Mesa D,Oliveira SG,Félix AP

A pilot study on the relationship between Lactobacillus, Bifidobacterium counts and inflammatory factors following exercise training.**Archives of physiology and biochemistry** , Volume: 129 Issue: 3 2023 Jun

Authors Mahdih MS,Maryam J,Bita B,Neda F,Motahare M,Mahboobeh B,LeBris S Q,Kalani Behrooz S

California strawberry consumption increased the abundance of gut microorganisms related to lean body weight, health and longevity in healthy subjects.**Nutrition research (New York, N.Y.)** , Volume: 85 2021 Jan

Authors Ezzat-Zadeh Z,Henning SM,Yang J,Woo SL,Lee RP,Huang J,Thames G,Gilbuena I,Tseng CH,Heber D,Li Z

Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (*Gallus gallus*): A Systematic Review.**Nutrients** , Volume: 13 Issue: 1 2021 Jan 9

Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E

Inulin ameliorates schizophrenia via modulation of the gut microbiota and anti-inflammation in mice.**Food & function** , Volume: 12 Issue: 3 2021 Feb 15

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

Dietary Inulin Supplementation Modulates Short-Chain Fatty Acid Levels and Cecum Microbiota Composition and Function in Chickens Infected With Salmonella.**Frontiers in microbiology** , Volume: 11 2020

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

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

Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M<sup>2</sup>-Nuclear Factor- $\kappa$ B-Nod-Like Receptor Protein 3 Pathway via gut-Liver Axis in Mice.**Frontiers in pharmacology** , Volume: 11 2020

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

Exopolysaccharides from *Lactobacillus plantarum* YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.**Acta biochimica Polonica** , Volume: 67 Issue: 4 2020 Dec 17

Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y

Alleviation of DSS-induced colitis via *Lactobacillus acidophilus* treatment in mice.**Food & function** , Volume: 12 Issue: 1 2021 Jan 7

Authors Kim WK,Han DH,Jang YJ,Park S,Jang SJ,Lee G,Han HS,Ko G

Probiotic *Lactobacillus fermentum* strain JDFM216 improves cognitive behavior and modulates immune response with gut microbiota.**Scientific reports** , Volume: 10 Issue: 1 2020 Dec 10

Authors Park MR,Shin M,Mun D,Jeong SY,Jeong DY,Song M,Ko G,Unno T,Kim Y,Oh S

Cow, Goat, and Mare Milk Diets Differentially Modulated the Immune System and Gut Microbiota of Mice Colonized by Healthy Infant Feces.**Journal of agricultural and food chemistry** , Volume: 68 Issue: 51 2020 Dec 23

Authors Li N,Xie Q,Chen Q,Evivie SE,Liu D,Dong J,Huo G,Li B

*Lycium barbarum* polysaccharide attenuates myocardial injury in high-fat diet-fed mice through manipulating the gut microbiome and fecal metabolome.**Food research international (Ottawa, Ont.)** , Volume: 138 Issue: Pt B 2020 Dec

Authors Zhang Z,Liu H,Yu B,Tao H,Li J,Wu Z,Liu G,Yuan C,Guo L,Cui B

Berberine improves colitis by triggering AhR activation by microbial tryptophan catabolites.**Pharmacological research** , Volume: 164 2021 Feb

Authors Jing W,Dong S,Luo X,Liu J,Wei B,Du W,Yang L,Luo H,Wang Y,Wang S,Lu H

Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.**European journal of nutrition** , 2020 Nov 22

Authors Xu H,Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H

*Lactobacillus reuteri* DSM 17938 alleviates d-galactosamine-induced liver failure in rats.**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 133 2021 Jan

Authors Jiang H,Yan R,Wang K,Wang Q,Chen X,Chen L,Li L,Lv L

Alcohol decreases intestinal ratio of *Lactobacillus* to *Enterobacteriaceae* and induces hepatic immune tolerance in a murine model of DSS-colitis.**Gut microbes** , Volume: 12 Issue: 1 2020 Nov 9

Authors Kuprys PV,Cannon AR,Shieh J,Iftekhhar N,Park SK,Eberhardt JM,Ding X,Choudhry MA

[Influence of *Lactobacillus reuteri* SL001 on intestinal microbiota in AD model mice and C57BL/6 mice].**Sheng wu gong cheng xue bao = Chinese journal of biotechnology** , Volume: 36 Issue: 9 2020 Sep 25

Authors Liu M,Hu R,Guo Y,Sun W,Li J,Fan M,Wang Y,Du H,Tang Z,Chai C

Daily intake of probiotic strain *Bacillus subtilis* DE111 supports a healthy microbiome in children attending day-care.**Beneficial microbes** , Volume: 11 Issue: 7 2020 Nov 15

Authors Paytuví-Gallart A,Sanseverino W,Winger AM

*Enterococcus faecium* R0026 combined with *Bacillus subtilis* R0179 prevent obesity-associated hyperlipidaemia and

modulate gut microbiota in C57BL/6 mice.

**Journal of microbiology and biotechnology** , 2020 Oct 20

Authors Huang J,Huang J,Yin T,Lv H,Zhang P,Li H

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

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

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

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

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

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

Distinct Effects of Milks From Various Animal Types on Infant Fecal Microbiota Through in vitro Fermentations.

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

Authors Li N,Li B,Guan J,Shi J,Evie SE,Zhao L,Huo G,Wang S

Bacillus subtilis and Enterococcus faecium co-fermented feed regulates lactating sow's performance, immune status and gut microbiota.

**Microbial biotechnology** , Volume: 14 Issue: 2 2021 Mar

Authors Wang C,Wei S,Xu B,Hao L,Su W,Jin M,Wang Y

Effect of Combined Live Probiotics Alleviating the Gastrointestinal Symptoms of Functional Bowel Disorders.

**Gastroenterology research and practice** , Volume: 2020 2020

Authors Shi J,Gao F,Zhang J

Dietary supplementation of Bacillus subtilis PB6 improves sow reproductive performance and reduces piglet birth intervals.

**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 6 Issue: 3 2020 Sep

Authors Zhang Q,Li J,Cao M,Li Y,Zhuo Y,Fang Z,Che L,Xu S,Feng B,Lin Y,Jiang X,Zhao X,Wu D

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

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

Authors Jing W,Liu Q,Wang W

Feasibility and effects on the gut microbiota of a 12-week high-intensity interval training plus lifestyle education intervention on inactive adults with celiac disease.

**Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme** , Volume: 46 Issue: 4 2021 Apr

Authors Warbeck C,Dowd AJ,Kronlund L,Parmer C,Daun JT,Wytsma-Fisher K,Millet GY,Schick A,Reimer RA,Fung T,Culos-Reed SN

Lactobacillus fermentum CQPC06 in naturally fermented pickles prevents non-alcoholic fatty liver disease by stabilizing the gut-liver axis in mice.

**Food & function** , Volume: 11 Issue: 10 2020 Oct 21

Authors Mu J,Tan F,Zhou X,Zhao X

Lactobacillus johnsonii BS15 Prevents Psychological Stress-Induced Memory Dysfunction in Mice by Modulating the Gut-Brain Axis.

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

Authors Wang H,Sun Y,Xin J,Zhang T,Sun N,Ni X,Zeng D,Bai Y

The effects of dairy and dairy derivatives on the gut microbiota: a systematic literature review.

**Gut microbes** , Volume: 12 Issue: 1 2020 Nov 9

Authors Aslam H,Marx W,Rocks T,Loughman A,Chandrasekaran V,Ruusunen A,Dawson SL,West M,Mullarkey E,Pasco JA,Jacka FN

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

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

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

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

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

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

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

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

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

Effect of High versus Low Dairy Consumption on the Gut Microbiome: Results of a Randomized, Cross-Over Study.

**Nutrients** , Volume: 12 Issue: 7 2020 Jul 17

Authors Swarte JC,Eelderink C,Douwes RM,Said MY,Hu S,Post A,Westerhuis R,Bakker SJL,Harmsen HJM

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

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

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

[Effect of particle size of insoluble fibre on growth performance, apparent ileal digestibility and caecal microbial population in broiler chickens fed barley-containing diets.](#)

**British poultry science , Volume: 61 Issue: 6 2020 Dec**

Authors Pourazadi Z,Salari S,Tabandeh MR,Abdollahi MR

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

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

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

[Effects of banana powder \(\*Musa acuminata\* Colla\) on the composition of human fecal microbiota and metabolic output using in vitro fermentation.](#)

**Journal of food science , Volume: 85 Issue: 8 2020 Aug**

Authors Tian DD,Xu XQ,Peng Q,Zhang YW,Zhang PB,Qiao Y,Shi B

[Effect of banana pulp dietary fibers on metabolic syndrome and gut microbiota diversity in high-fat diet mice.](#)

**Journal of food biochemistry , 2020 Jul 14**

Authors Wei G,Ye Y,Yan X,Chao X,Yang F,Wang M,Zhang W,Yuan C,Zeng Q

[Anti-Obesity Effect of \*Lactobacillus plantarum\* LB818 Is Associated with Regulation of Gut Microbiota in High-Fat Diet-Fed Obese Mice.](#)

**Journal of medicinal food , Volume: 23 Issue: 7 2020 Jul**

Authors Hussain A,Kwon MH,Kim HK,Lee HS,Cho JS,Lee YI

[Dietary supplementation with \*Bacillus subtilis\* DSM 32315 alters the intestinal microbiota and metabolites in weaned piglets.](#)

**Journal of applied microbiology , 2020 Jul 6**

Authors Ding H,Zhao X,Ma C,Gao Q,Yin Y,Kong X,He J

[Exercise training modulates the gut microbiota profile and impairs inflammatory signaling pathways in obese children.](#)

**Experimental & molecular medicine , Volume: 52 Issue: 7 2020 Jul**

Authors Quiroga R,Nistal E,Estébanez B,Porrás D,Juárez-Fernández M,Martínez-Flórez S,García-Mediavilla MV,de Paz JA,González-Gallego J,Sánchez-Campos S,Cuevas MJ

[Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?](#)

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

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

[Yeast  \$\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

[Oral Supplements of Combined \*Bacillus licheniformis\* Zhengchangsheng® and Xylooligosaccharides Improve High-Fat Diet-Induced Obesity and Modulate the Gut Microbiota in Rats.](#)

**BioMed research international , Volume: 2020 2020**

Authors Li Y,Liu M,Liu H,Wei X,Su X,Li M,Yuan J

[Dendrobium officinale Kimura et Migo and American ginseng mixture: A Chinese herbal formulation for gut microbiota modulation.](#)

**Chinese journal of natural medicines , Volume: 18 Issue: 6 2020 Jun**

Authors Liu CZ,Chen W,Wang MX,Wang Y,Chen LQ,Zhao F,Shi Y,Liu HJ,Dou XB,Liu C,Chen H

[Dietary supplementation with \*Lactobacillus plantarum\* modified gut microbiota, bile acid profile and glucose homeostasis in weaning piglets.](#)

**The British journal of nutrition , Volume: 124 Issue: 8 2020 Oct 28**

Authors Lin S,Yang X,Long Y,Zhong H,Wang P,Yuan P,Zhang X,Che L,Feng B,Li J,Zhuo Y,Lin Y,Xu S,Wu D,Fang Z

[Synergetic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs.](#)

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

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

[Effect of long-term consumption of tea \(\*Camellia sinensis\* L.\) flower polysaccharides on maintaining intestinal health in BALB/c mice.](#)

**Journal of food science , Volume: 85 Issue: 6 2020 Jun**

Authors Chen D,Ding Y,Ye H,Sun Y,Zeng X

[Unsaturated alginate oligosaccharides attenuated obesity-related metabolic abnormalities by modulating gut microbiota in high-fat-diet mice.](#)

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

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

Gut Microbiome and Metabolome Response of Pu-erh Tea on Metabolism Disorder Induced by Chronic Alcohol Consumption.

**Journal of agricultural and food chemistry** , Volume: 68 Issue: 24 2020 Jun 17

Authors Liu Y,Luo Y,Wang X,Luo L,Sun K,Zeng L

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the 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

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

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

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

The Effect of Whey on Performance, Gut Health and Bone Morphology Parameters in Broiler Chicks.

**Foods (Basel, Switzerland)** , Volume: 9 Issue: 5 2020 May 5

Authors Tsiouris V,Kontominas MG,Filioussis G,Chalvatzi S,Giannenas I,Papadopoulos G,Koutoulis K,Fortomaris P,Georgopoulou I

Berberine and its structural analogs have differing effects on functional profiles of individual gut microbiomes.

**Gut microbes** , Volume: 11 Issue: 5 2020 Sep 2

Authors Li L,Chang L,Zhang X,Ning Z,Mayne J,Ye Y,Stintzi A,Liu J,Figeys D

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

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

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

Administration of Bifidobacterium bifidum CGMCC 15068 modulates gut microbiota and metabolome in azoxymethane (AOM)/dextran sulphate sodium (DSS)-induced colitis-associated colon cancer (CAC) in mice.

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

Authors Wang Q,Wang K,Wu W,Lv L,Bian X,Yang L,Wang Q,Li Y,Ye J,Fang D,Wu J,Jiang X,Xie J,Lu Y,Li L

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

**BioMed research international** , Volume: 2020 2020

Authors Wang T,Wu Q,Zhao T

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

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

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

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

**Current microbiology** , Volume: 77 Issue: 8 2020 Aug

Authors Ropot AV,Karamzin AM,Sergeyev OV

Lactobacillus reuteri attenuated allergic inflammation induced by HDM in the mouse and modulated gut microbes.

**PloS one** , Volume: 15 Issue: 4 2020

Authors Li L,Fang Z,Liu X,Hu W,Lu W,Lee YK,Zhao J,Zhang H,Chen W

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

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

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

Effect of probiotics on gut microbiome in patients with administration of surgical antibiotic prophylaxis: A randomized controlled study.

**Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy** , Volume: 26 Issue: 8 2020 Aug

Authors Kaku N,Matsumoto N,Sasaki D,Tsuda K,Kosai K,Uno N,Morinaga Y,Tagami A,Adachi S,Hasegawa H,Osaki M,Yanagihara K

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

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

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

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

**Microorganisms** , Volume: 8 Issue: 4 2020 Apr 8

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

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

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

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

[Grape Extract Activates Brown Adipose Tissue Through Pathway Involving the Regulation of Gut Microbiota and Bile Acid.](#)

**Molecular nutrition & food research** , 2020 Apr 5

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

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

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

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

[Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE<sup>-/-</sup> Mice.](#)

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

Authors Wu M,Yang S,Wang S,Cao Y,Zhao R,Li X,Xing Y,Liu L

[Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.](#)

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

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

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

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

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

[Stable Colonization of Orally Administered Lactobacillus casei SY13 Alters the Gut Microbiota.](#)

**BioMed research international** , Volume: 2020 2020

Authors Yue Y,Xu X,Yang B,Lu J,Zhang S,Liu L,Nassar K,Zhang C,Zhang M,Pang X,Lv J

[Prebiotic activity of garlic \(<i>Allium sativum</i>\) extract on <i>Lactobacillus acidophilus</i>.](#)

**Veterinary world** , Volume: 12 Issue: 12 2019 Dec

Authors Sunu P,Sunarti D,Mahfudz LD,Yunianto VD

[Altered microbial community structure and metabolism in cow's milk allergic mice treated with oral immunotherapy and fructo-oligosaccharides.](#)

**Beneficial microbes** , Volume: 11 Issue: 1 2020 Feb 19

Authors Vonk MM,Engen PA,Naqib A,Green SJ,Keshavarzian A,Blokhuis BRJ,Garssen J,Knippels LMJ,van Esch BCAM

[Glyphosate exposure induces inflammatory responses in the small intestine and alters gut microbial composition in rats.](#)

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

Authors Tang Q,Tang J,Ren X,Li C

[Effect of berberine on spleen transcriptome and gut microbiota composition in experimental autoimmune uveitis.](#)

**International immunopharmacology** , Volume: 81 2020 Apr

Authors Du Z,Wang Q,Huang X,Yi S,Mei S,Yuan G,Su G,Cao Q,Zhou C,Wang Y,Kijlstra A,Yang P

[Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice.](#)

**Scientific reports** , Volume: 10 Issue: 1 2020 Feb 10

Authors Rodríguez-Daza MC,Daoust L,Boutkrabt L,Pilon G,Varin T,Dudonné S,Levy É,Marette A,Roy D,Desjardins Y

[Bifidobacterium longum R0175 Protects Rats against d-Galactosamine-Induced Acute Liver Failure.](#)

**mSphere** , Volume: 5 Issue: 1 2020 Jan 29

Authors Wang K,Lv L,Yan R,Wang Q,Jiang H,Wu W,Li Y,Ye J,Wu J,Yang L,Bian X,Jiang X,Lu Y,Xie J,Wang Q,Shen J,Li L

[Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome.](#)

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

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

[Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.](#)

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

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

[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

[The impact of food additives, artificial sweeteners and domestic hygiene products on the human gut microbiome and its fibre fermentation capacity.](#)

**European journal of nutrition** , Volume: 59 Issue: 7 2020 Oct

Authors Gerasimidis K,Bryden K,Chen X,Papachristou E,Verney A,Roig M,Hansen R,Nichols B,Papadopoulou R,Parrett A

[Berberine combined with stachyose induces better glycometabolism than berberine alone through modulating gut](#)

microbiota and fecal metabolomics in diabetic mice.

**Phytotherapy research : PTR , 2019 Dec 13**

Authors Li CN,Wang X,Lei L,Liu MZ,Li RC,Sun SJ,Liu SN,Huan Y,Zhou T,Liu Q,Cao H,Bai GL,Han YW,Shen ZF

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

Dietary *Saccharomyces cerevisiae* boulardii CNCM I-1079 Positively Affects Performance and Intestinal Ecosystem in Broilers during a *Campylobacter jejuni* Infection.

**Microorganisms , Volume: 7 Issue: 12 2019 Nov 21**

Authors Massacci FR,Lovito C,Tofani S,Tentellini M,Genovese DA,De Leo AAP,Papa P,Magistrali CF,Manuali E,Trabalza-Marinucci M,Moscatti L,Forte C

Apple polysaccharide could promote the growth of *Bifidobacterium longum*.

**International journal of biological macromolecules , Volume: 152 2020 Jun 1**

Authors Li Y,Wang S,Sun Y,Zheng H,Tang Y,Gao X,Song C,Liu J,Long Y,Liu L,Mei Q

Structural Analysis of Gluco-Oligosaccharides Produced by *Leuconostoc lactis* and Their Prebiotic Effect.

**Molecules (Basel, Switzerland) , Volume: 24 Issue: 21 2019 Nov 5**

Authors Lee S,Park J,Jang JK,Lee BH,Park YS

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

Chitooligosaccharides Prevents the Development of Colitis-Associated Colorectal Cancer by Modulating the Intestinal Microbiota and Mycobiota.

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

Authors Wu M,Li J,An Y,Li P,Xiong W,Li J,Yan D,Wang M,Zhong G

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.

**European journal of nutrition , 2019 Oct 11**

Authors Hess AL,Benítez-Páez A,Blädel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.

In vivo safety assessment of *Lactobacillus fermentum* strains, evaluation of their cholesterol-lowering ability and intestinal microbial modulation.

**Journal of the science of food and agriculture , Volume: 100 Issue: 2 2020 Jan 30**

Authors Thumu SCR,Halami PM

Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.

**NPJ biofilms and microbiomes , Volume: 5 2019**

Authors La Carpia F,Wojczyk BS,Annavaiah MK,Rebbaa A,Culp-Hill R,D`Alessandro A,Freedberg DE,Uhlemann AC,Hod EA

Role of the Gut Microbiota and Their Metabolites in Modulating the Cholesterol-Lowering Effects of Citrus Pectin Oligosaccharides in C57BL/6 Mice.

**Journal of agricultural and food chemistry , Volume: 67 Issue: 43 2019 Oct 30**

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

Effects of grape pomace and seed polyphenol extracts on the recovery of gut microbiota after antibiotic treatment in high-fat diet-fed mice.

**Food science & nutrition , Volume: 7 Issue: 9 2019 Sep**

Authors Lu F,Liu F,Zhou Q,Hu X,Zhang Y

*Bacillus coagulans* R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs.

**Environmental pollution (Barking, Essex : 1987) , Volume: 255 Issue: Pt 2 2019 Sep 13**

Authors Xing SC,Huang CB,Mi JD,Wu YB,Liao XD

Paneth Cell Dysfunction Mediates Alcohol-related Steatohepatitis Through Promoting Bacterial Translocation in Mice: Role of Zinc Deficiency.

**Hepatology (Baltimore, Md.) , Volume: 71 Issue: 5 2020 May**

Authors Zhong W,Wei X,Hao L,Lin TD,Yue R,Sun X,Guo W,Dong H,Li T,Ahmadi AR,Sun Z,Zhang Q,Zhao J,Zhou Z

*Lactobacillus reuteri* DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.

**American journal of physiology. Gastrointestinal and liver physiology , 2019 Sep 4**

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM



[Lactobacillus acidophilus alleviates type 2 diabetes by regulating hepatic glucose, lipid metabolism and gut microbiota in mice.](#)

**Food & function** , Volume: 10 Issue: 9 2019 Sep 1

Authors Yan F,Li N,Shi J,Li H,Yue Y,Jiao W,Wang N,Song Y,Huo G,Li B

[Zn\(ii\)-Curcumin supplementation alleviates gut dysbiosis and zinc dyshomeostasis during doxorubicin-induced cardiotoxicity in rats.](#)

**Food & function** , Volume: 10 Issue: 9 2019 Sep 1

Authors Wu R,Mei X,Wang J,Sun W,Xue T,Lin C,Xu D

[Exercise Training Modulates Gut Microbiota Profile and Improves Endotoxemia.](#)

**Medicine and science in sports and exercise** , Volume: 52 Issue: 1 2020 Jan

Authors Motiani KK,Collado MC,Eskelinen JJ,Virtanen KA,Löytyntiemi E,Salminen S,Nuutila P,Kalliokoski KK,Hannukainen JC

[Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.](#)

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

Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knippling K,Van `t Land B,Tims S,Stahl B,Garssen J,Franch À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

[Dietary Factors and Modulation of Bacteria Strains of <i>Akkermansia muciniphila</i> and <i>Faecalibacterium prausnitzii</i>: A Systematic Review.](#)

**Nutrients** , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

[Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.](#)

**PloS one** , Volume: 14 Issue: 7 2019

Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgreen B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI

[Maternal Exposure to Non-nutritive Sweeteners Impacts Progeny's Metabolism and Microbiome.](#)

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

Authors Olivier-Van Stichelen S,Rother KI,Hanover JA

[The effects of dietary supplementation with porous zinc oxide on growth performance, intestinal microbiota, morphology, and permeability in weaned piglets.](#)

**Animal science journal = Nihon chikusan Gakkaiho** , 2019 Jul 4

Authors Peng P,Chen J,Yao K,Yin Y,Long L,Fang R

[Effects of a formula with a probiotic Bifidobacterium lactis Supplement on the gut microbiota of low birth weight infants.](#)

**European journal of nutrition** , Volume: 59 Issue: 4 2020 Jun

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

[Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.](#)

**Clinical nutrition (Edinburgh, Scotland)** , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

[Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in <i>Citrobacter rodentium</i>-Infected Mice.](#)

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

Authors Lin R,Piao M,Song Y

[The role of short-chain fatty acids in microbiota-gut-brain communication.](#)

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

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

[Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.](#)

**The American journal of clinical nutrition** , Volume: 109 Issue: 6 2019 Jun 1

Authors Hiel S,Bindels LB,Pachikian BD,Kalala G,Broers V,Zamariola G,Chang BPI,Kambashi B,Rodríguez J,Cani PD,Neyrinck AM,Thissen JP,Luminet O,Bindelle J,Delzenne NM

[Bacillus subtilis Strain DSM 29784 Modulates the Cecal Microbiome, Concentration of Short-Chain Fatty Acids, and Apparent Retention of Dietary Components in Shaver White Chickens during Grower, Developer, and Laying Phases.](#)

**Applied and environmental microbiology** , Volume: 85 Issue: 14 2019 Jul 15

Authors Neijat M,Habtewold J,Shirley RB,Welsher A,Barton J,Thiery P,Kiarie E

[Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.](#)

**PloS one** , Volume: 14 Issue: 5 2019

Authors Miljkovic M,Jovanovic S,O`Connor PM,Mirkovic N,Jovcic B,Filipic B,Dinic M,Studholme DJ,Fira D,Cotter PD,Kojic M

[Four men in a boat: Ultra-endurance exercise alters the gut microbiome.](#)

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

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

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

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

Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschasaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan

P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium

In vitro modulation of human gut microbiota composition and metabolites by Bifidobacterium longum BB-46 and a citric pectin.

**Food research international (Ottawa, Ont.) , Volume: 120 2019 Jun**

Authors Bianchi F,Larsen N,Tieghi TM,Adorno MAT,Saad SMI,Jespersen L,Sivieri K

Lactobacillus fermentum species ameliorate dextran sulfate sodium-induced colitis by regulating the immune response and altering gut microbiota.

**Gut microbes , Volume: 10 Issue: 6 2019**

Authors Jang YJ,Kim WK,Han DH,Lee K,Ko G

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,Chew B,Dowd SE,Noratto G

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

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

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

Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.

**Journal of agricultural and food chemistry , Volume: 67 Issue: 33 2019 Aug 21**

Authors Han Y,Song M,Gu M,Ren D,Zhu X,Cao X,Li F,Wang W,Cai X,Yuan B,Goulette T,Zhang G,Xiao H

Intestinal Morphologic and Microbiota Responses to Dietary <i>Bacillus</i> spp. in a Broiler Chicken Model.

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

Authors Li CL,Wang J,Zhang HJ,Wu SG,Hui QR,Yang CB,Fang RJ,Qi GH

Functional Interactions between Gut Microbiota Transplantation, Quercetin, and High-Fat Diet Determine Non-Alcoholic Fatty Liver Disease Development in Germ-Free Mice.

**Molecular nutrition & food research , Volume: 63 Issue: 8 2019 Apr**

Authors Porras D,Nistal E,Martínez-Flórez S,Olcóiz JL,Jover R,Jorquera F,González-Gallego J,García-Mediavilla MV,Sánchez-Campos S

Differential Effects of Lactobacillus casei Strain Shirota on Patients With Constipation Regarding Stool Consistency in China.

**Journal of neurogastroenterology and motility , Volume: 25 Issue: 1 2019 Jan 31**

Authors Chen S,Ou Y,Zhao L,Li Y,Qiao Z,Hao Y,Ren F

Probiotic Lactobacillus johnsonii BS15 Promotes Growth Performance, Intestinal Immunity, and Gut Microbiota in Piglets.

**Probiotics and antimicrobial proteins , Volume: 12 Issue: 1 2020 Mar**

Authors Xin J,Zeng D,Wang H,Sun N,Zhao Y,Dan Y,Pan K,Jing B,Ni X

The impact of Bacillus subtilis 18 isolated from Tibetan yaks on growth performance and gut microbial community in mice.

**Microbial pathogenesis , Volume: 128 2019 Mar**

Authors Li A,Jiang X,Wang Y,Zhang L,Zhang H,Mehmood K,Li Z,Waqas M,Li J

Strategies to promote abundance of <i>Akkermansia muciniphila</i>, an emerging probiotics in the gut, evidence from dietary intervention studies.

**Journal of functional foods , Volume: 33 2017 Jun**

Authors Zhou K

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

Simultaneous Supplementation of <i>Bacillus subtilis</i> and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

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

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

[Six-Week Endurance Exercise Alters Gut Metagenome That Is not Reflected in Systemic Metabolism in Over-weight Women.](#)

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

Authors Munukka E,Ahtiainen JP,Puigbó P,Jalkanen S,Pahkala K,Keskitalo A,Kujala UM,Pietilä S,Holmén M,Elo L,Huovinen P,D'Auria G,Pekkala S

[Supplemental \*Bacillus subtilis\* DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.](#)

**Scientific reports** , Volume: 8 Issue: 1 2018 Oct 18

Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G

[Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased \*Akkermansia muciniphila\* Population Modulated by Dietary Black Raspberries.](#)

**ACS omega** , Volume: 3 Issue: 9 2018 Sep 30

Authors Tu P,Bian X,Chi L,Gao B,Ru H,Knobloch TJ,Weghorst CM,Lu K

[The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease.](#)

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

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

[Effects of Whole Milk Supplementation on Gut Microbiota and Cardiometabolic Biomarkers in Subjects with and without Lactose Malabsorption.](#)

**Nutrients** , Volume: 10 Issue: 10 2018 Oct 2

Authors Li X,Yin J,Zhu Y,Wang X,Hu X,Bao W,Huang Y,Chen L,Chen S,Yang W,Shan Z,Liu L

[Effects of daily consumption of the probiotic \*Bifidobacterium animalis\* subsp. \*lactis\* CECT 8145 on anthropometric adiposity biomarkers in abdominally obese subjects: a randomized controlled trial.](#)

**International journal of obesity (2005)** , 2018 Sep 27

Authors Pedret A,Valls RM,Calderón-Pérez L,Llauradó E,Comanys J,Pla-Pagà L,Moragas A,Martín-Luján F,Ortega Y,Giralt M,Caimari A,Chenoll E,Genovés S,Martorell P,Codoñer FM,Ramón D,Arola L,Solà R

[Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.](#)

**Molecular nutrition & food research** , Volume: 62 Issue: 22 2018 Nov

Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ

[Probiotic \*Bacillus amyloliquefaciens\* C-1 Improves Growth Performance, Stimulates GH/IGF-1, and Regulates the Gut Microbiota of Growth-Retarded Beef Calves.](#)

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

Authors Du R,Jiao S,Dai Y,An J,Lv J,Yan X,Wang J,Han B

[The Effects of Berberine on the Gut Microbiota in Apc<sup>min/+</sup> Mice Fed with a High Fat Diet.](#)

**Molecules (Basel, Switzerland)** , Volume: 23 Issue: 9 2018 Sep 8

Authors Wang H,Guan L,Li J,Lai M,Wen X

[Lactobacillus acidophilus DDS-1 Modulates the Gut Microbiota and Improves Metabolic Profiles in Aging Mice.](#)

**Nutrients** , Volume: 10 Issue: 9 2018 Sep 6

Authors Vemuri R,Shinde T,Gundamaraju R,Gondalia SV,Karpe AV,Beale DJ,Martoni CJ,Eri R

[Modulation of gut microbiota from obese individuals by in vitro fermentation of citrus pectin in combination with \*Bifidobacterium longum\* BB-46.](#)

**Applied microbiology and biotechnology** , Volume: 102 Issue: 20 2018 Oct

Authors Bianchi F,Larsen N,de Mello Tieghi T,Adorno MAT,Kot W,Saad SMI,Jespersen L,Sivieri K

[Barley Products of Different Fiber Composition Selectively Change Microbiota Composition in Rats.](#)

**Molecular nutrition & food research** , Volume: 62 Issue: 19 2018 Oct

Authors Teixeira C,Prykhodko O,Alminger M,Fåk Hållénius F,Nyman M

[Pectin Alleviates High Fat \(Lard\) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.](#)

**Journal of agricultural and food chemistry** , 2018 Jul 20

Authors Li W,Zhang K,Yang H

[Beneficial effects of the commercial lactic acid bacteria product, Vigis 101, on gastric mucosa and intestinal bacterial flora in rats.](#)

**Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , 2018 Jun 23

Authors Kao L,Liu TH,Tsai TY,Pan TM

[The Ramazzini Institute 13-week pilot study on glyphosate and Roundup administered at human-equivalent dose to Sprague Dawley rats: effects on the microbiome.](#)

**Environmental health : a global access science source** , Volume: 17 Issue: 1 2018 May 29

Authors Mao Q,Manservigi F,Panzacchi S,Mandrioli D,Menghetti I,Vornoli A,Bua L,Falcioni L,Lesseur C,Chen J,Belpoggi F,Hu J

[Dietary fiber intervention on gut microbiota composition in healthy adults: a systematic review and meta-analysis.](#)

**The American journal of clinical nutrition** , Volume: 107 Issue: 6 2018 Jun 1

Authors So D,Whelan K,Rossi M,Morrison M,Holtmann G,Kelly JT,Shanahan ER,Staudacher HM,Campbell KL

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.

**Food & function** , Volume: 9 Issue: 5 2018 May 23

Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X

Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.

**Nutrients** , Volume: 10 Issue: 5 2018 May 8

Authors Klimenko NS,Tyakht AV,Popenko AS,Vasiliev AS,Altukhov IA,Ischenko DS,Shashkova TI,Efimova DA,Nikogosov DA,Osipenko DA,Musienko SV,Selezneva KS,Baranova A,Kurilshikov AM,Toshchakov SM,Korzhnikov AA,Samarov NI,Shevchenko MA,Tepluk AV,Alexeev DG

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

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

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

Role of *Lactobacillus reuteri* in Human Health and Diseases.

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

Authors Mu Q,Tavella VJ,Luo XM

The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.

**Molecular nutrition & food research** , 2018 Apr 17

Authors González-Sarriás A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC

Glyphosate based- herbicide exposure affects gut microbiota, anxiety and depression-like behaviors in mice.

**Neurotoxicology and teratology** , Volume: 67 2018 May - Jun

Authors Aitbali Y,Ba-M`hamed S,Elhidar N,Nafis A,Soraa N,Bennis M

Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.

**Journal of applied microbiology** , Volume: 125 Issue: 1 2018 Jul

Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K

Effects of dietary *Bacillus amyloliquefaciens* supplementation on growth performance, intestinal morphology, inflammatory response, and microbiota of intra-uterine growth retarded weanling piglets.

**Journal of animal science and biotechnology** , Volume: 9 2018

Authors Li Y,Zhang H,Su W,Ying Z,Chen Y,Zhang L,Lu Z,Wang T

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

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

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

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

**PeerJ** , Volume: 6 2018

Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X

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

Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.

**Canadian journal of microbiology** , 2018 Feb 5

Authors Wang Y,Guo Y,Chen H,Wei H,Wan C

Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.

**Plant foods for human nutrition (Dordrecht, Netherlands)** , Volume: 73 Issue: 1 2018 Mar

Authors Paturi G,Butts CA,Monro JA,Hedderley D

Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.

**Carcinogenesis** , 2018 Jan 19

Authors Chen L,Jiang B,Zhong C,Guo J,Zhang L,Mu T,Zhang Q,Bi X

Effect of dark sweet cherry powder consumption on the gut microbiota, short-chain fatty acids, and biomarkers of gut health in obese db/db mice.

**PeerJ** , Volume: 6 2018

Authors Garcia-Mazcorro JF,Lage NN,Mertens-Talcott S,Talcott S,Chew B,Dowd SE,Kawas JR,Noratto GD

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

**Journal of food protection** , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

The Impact of Long-Term Intake of Phenolic Compounds-Rich Grape Pomace on Rat Gut Microbiota.

**Journal of food science** , Volume: 83 Issue: 1 2018 Jan

Authors Chacar S,Itani T,Hajal J,Saliba Y,Louka N,Faivre JF,Maroun R,Fares N

Effect of Probiotics on Pharmacokinetics of Orally Administered Acetaminophen in Mice.

**Drug metabolism and disposition: the biological fate of chemicals** , Volume: 46 Issue: 2 2018 Feb

Authors Kim JK,Choi MS,Jeong JJ,Lim SM,Kim IS,Yoo HH,Kim DH

Berberine treatment increases Akkermansia in the gut and improves high-fat diet-induced atherosclerosis in Apoe(-/-) mice.

**Atherosclerosis** , Volume: 268 2018 Jan

Authors Zhu L,Zhang D,Zhu H,Zhu J,Weng S,Dong L,Liu T,Hu Y,Shen X

Amelioration of Intestinal Barrier Dysfunction by Berberine in the Treatment of Nonalcoholic Fatty Liver Disease in Rats.

**Pharmacognosy magazine** , Volume: 13 Issue: 52 2017 Oct-Dec

Authors Li D,Zheng J,Hu Y,Hou H,Hao S,Liu N,Wang Y

Balancing Herbal Medicine and Functional Food for Prevention and Treatment of Cardiometabolic Diseases through Modulating Gut Microbiota.

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

Authors Lyu M,Wang YF,Fan GW,Wang XY,Xu SY,Zhu Y

A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.

**Food & function** , Volume: 8 Issue: 12 2017 Dec 13

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.

**Food & function** , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

The effects of iron fortification and supplementation on the gut microbiome and diarrhea in infants and children: a review.

**The American journal of clinical nutrition** , Volume: 106 Issue: Suppl 6 2017 Dec

Authors Paganini D,Zimmermann MB

Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes.

**Food & function** , Volume: 8 Issue: 12 2017 Dec 13

Authors Shang W,Si X,Zhou Z,Li Y,Strappe P,Blanchard C

Dietary ZnO nanoparticles alters intestinal microbiota and inflammation response in weaned piglets.

**Oncotarget** , Volume: 8 Issue: 39 2017 Sep 12

Authors Xia T,Lai W,Han M,Han M,Ma X,Zhang L

Prebiotic potential of pectin and pectic oligosaccharides to promote anti-inflammatory commensal bacteria in the human colon.

**FEMS microbiology ecology** , Volume: 93 Issue: 11 2017 Nov 1

Authors Chung WSF,Meijerink M,Zeuner B,Holck J,Louis P,Meyer AS,Wells JM,Flint HJ,Duncan SH

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

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

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

Lactobacillus fermentum FTDC 8312 combats hypercholesterolemia via alteration of gut microbiota.

**Journal of biotechnology** , Volume: 262 2017 Nov 20

Authors Lye HS,Kato T,Low WY,Taylor TD,Prakash T,Lew LC,Ohno H,Liong MT

Fructooligosaccharide (FOS) and Galactooligosaccharide (GOS) Increase Bifidobacterium but Reduce Butyrate Producing Bacteria with Adverse Glycemic Metabolism in healthy young population.

**Scientific reports** , Volume: 7 Issue: 1 2017 Sep 18

Authors Liu F,Li P,Chen M,Luo Y,Prabhakar M,Zheng H,He Y,Qi Q,Long H,Zhang Y,Sheng H,Zhou H

Moderate-Intensity Exercise Affects Gut Microbiome Composition and Influences Cardiac Function in Myocardial Infarction Mice.

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

Authors Liu Z,Liu HY,Zhou H,Zhan Q,Lai W,Zeng Q,Ren H,Xu D

Assessment of plaque regrowth with a probiotic toothpaste containing *Lactobacillus paracasei*: A spectrophotometric study.

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

Authors Srinivasan S,Nandlal B,Rao MVS

Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier.

**American journal of physiology. Endocrinology and metabolism** , Volume: 314 Issue: 4 2018 Apr 1

Authors Van Hul M,Geurts L,Plovier H,Druart C,Everard A,Ståhlman M,Rhimi M,Chira K,Teissedre PL,Delzenne NM,Maguin E,Guilbot A,Brochot A,Gérard P,Bäckhed F,Cani PD

[A yeast fermentate improves gastrointestinal discomfort and constipation by modulation of the gut microbiome: results from a randomized double-blind placebo-controlled pilot trial.](#)

**BMC complementary and alternative medicine** , Volume: 17 Issue: 1 2017 Sep 4

Authors Pinheiro I,Robinson L,Verhelst A,Marzorati M,Winkens B,den Abbeele PV,Possemiers S

[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

[Lactobacillus plantarum LP-Onilly alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.](#)

**Molecular medicine reports** , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

[Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.](#)

**Food & function** , Volume: 8 Issue: 9 2017 Sep 20

Authors Wang G,Li X,Zhao J,Zhang H,Chen W

[Disruption in the cecal microbiota of chickens challenged with Clostridium perfringens and other factors was alleviated by Bacillus licheniformis supplementation.](#)

**PloS one** , Volume: 12 Issue: 8 2017

Authors Lin Y,Xu S,Zeng D,Ni X,Zhou M,Zeng Y,Wang H,Zhou Y,Zhu H,Pan K,Li G

[Specific Signatures of the Gut Microbiota and Increased Levels of Butyrate in Children Treated with Fermented Cow's Milk Containing Heat-Killed Lactobacillus paracasei CBA L74.](#)

**Applied and environmental microbiology** , Volume: 83 Issue: 19 2017 Oct 1

Authors Berni Canani R,De Filippis F,Nocerino R,Laiola M,Paparo L,Calignano A,De Caro C,Coretti L,Chiariotti L,Gilbert JA,Ercolini D

[Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.](#)

**Nutrition and cancer** , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P,Lam V,Salzman N,Huang YW,Yu J,Zhang J,Wang LS

[Live Probiotic Lactobacillus johnsonii BS15 Promotes Growth Performance and Lowers Fat Deposition by Improving Lipid Metabolism, Intestinal Development, and Gut Microflora in Broilers.](#)

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

Authors Wang H,Ni X,Qing X,Zeng D,Luo M,Liu L,Li G,Pan K,Jing B

[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

[Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects.](#)

**Omics : a journal of integrative biology** , Volume: 22 Issue: 2 2018 Feb

Authors Bekiaries N,Krueger CG,Meudt JJ,Shanmuganayagam D,Reed JD

[Gastrointestinal Simulation Model TWIN-SHIME Shows Differences between Human Urolithin-Metabotypes in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract.](#)

**Journal of agricultural and food chemistry** , Volume: 65 Issue: 27 2017 Jul 12

Authors García-Villalba R,Vissenaekens H,Pitart J,Romo-Vaquero M,Espín JC,Grootaert C,Selma MV,Raes K,Smagghe G,Possemiers S,Van Camp J,Tomas-Barberan FA

[Human Milk Oligosaccharides Exhibit Antimicrobial and Antibiofilm Properties against Group B Streptococcus.](#)

**ACS infectious diseases** , Volume: 3 Issue: 8 2017 Aug 11

Authors Ackerman DL,Doster RS,Weitkamp JH,Aronoff DM,Gaddy JA,Townsend SD

[Association between Yogurt Consumption and Intestinal Microbiota in Healthy Young Adults Differs by Host Gender.](#)

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

Authors Suzuki Y,Ikeda K,Sakuma K,Kawai S,Sawaki K,Asahara T,Takahashi T,Tsuji H,Nomoto K,Nagpal R,Wang C,Nagata S,Yamashiro Y

[Recovery of ethanol-induced <i>Akkermansia muciniphila</i> depletion ameliorates alcoholic liver disease.](#)

**Gut** , 2017 May 26

Authors Grander C,Adolph TE,Wieser V,Lowe P,Wrzosek L,Gyongyosi B,Ward DV,Grabherr F,Gerner RR,Pfister A,Enrich B,Ciocan

*D,Macheiner S,Mayr L,Drach M,Moser P,Moschen AR,Perlemuter G,Szabo G,Cassard AM,Tilg H*

Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.

**Nutrients** , Volume: 9 Issue: 6 2017 May 24

*Authors Koutsos A,Lima M,Conterno L,Gasperotti M,Bianchi M,Fava F,Vrhovsek U,Lovegrove JA,Tuohy KM*

Health benefit of vegetable/fruit juice-based diet: Role of microbiome

**Scientific Reports** , Volume: 7 2017 May 19

*Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z*

The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.

**Science translational medicine** , Volume: 9 Issue: 390 2017 May 17

*Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JJ*

Effect of dietary supplementation with *Lactobacillus acidophilus* D2/CSL (CECT 4529) on caecum microbioma and productive performance in broiler chickens.

**PloS one** , Volume: 12 Issue: 5 2017

*Authors De Cesare A,Sirri F,Manfreda G,Moniaci P,Giardini A,Zampiga M,Meluzzi A*

Effect of *Bacillus subtilis* and *Bacillus licheniformis* supplementation in diets with low- and high-protein content on ileal crude protein and amino acid digestibility and intestinal microbiota composition of growing pigs.

**Journal of animal science and biotechnology** , Volume: 8 2017

*Authors Kaewtapee C,Burbach K,Tomforde G,Hartinger T,Camarinha-Silva A,Heinritz S,Seifert J,Wltafsky M,Mosenthin R,Rosenfelder-Kuon P*

Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.

**Molecular medicine reports** , Volume: 15 Issue: 5 2017 May

*Authors Xu JH,Liu XZ,Pan W,Zou DJ*

Effect of a probiotic beverage consumption (*Enterococcus faecium* CRL 183 and *Bifidobacterium longum* ATCC 15707) in rats with chemically induced colitis.

**PloS one** , Volume: 12 Issue: 4 2017

*Authors Celiberto LS,Bedani R,Dejani NN,Ivo de Medeiros A,Sampaio Zuanon JA,Spolidorio LC,Tallarico Adorno MA,Amâncio Varesche MB,Carrilho Galvão F,Valentini SR,Font de Valdez G,Rossi EA,Cavallini DCU*

Inulin with different degrees of polymerization modulates composition of intestinal microbiota in mice.

**FEMS microbiology letters** , Volume: 364 Issue: 10 2017 May 1

*Authors Zhu L,Qin S,Zhai S,Gao Y,Li L*

Influence of diet on the gut microbiome and implications for human health.

**Journal of translational medicine** , Volume: 15 Issue: 1 2017 Apr 8

*Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W*

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

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

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

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

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

*Authors Abu Hafsa SH,Ibrahim SA*

In vitro fermentation of oat  $\beta$ -glucan and hydrolysates by fecal microbiota and selected probiotic strains.

**Journal of the science of food and agriculture** , Volume: 97 Issue: 12 2017 Sep

*Authors Dong JL,Yu X,Dong LE,Shen RL*

Apple Polysaccharide inhibits microbial dysbiosis and chronic inflammation and modulates gut permeability in HFD-fed rats.

**International journal of biological macromolecules** , Volume: 99 2017 Jun

*Authors Wang S,Li Q,Zang Y,Zhao Y,Liu N,Wang Y,Xu X,Liu L,Mei Q*

Of the milk sugars, galactose, but not prebiotic galacto-oligosaccharide, improves insulin sensitivity in male Sprague-Dawley rats.

**PloS one** , Volume: 12 Issue: 2 2017

*Authors Stahel P,Kim JJ,Xiao C,Cant JP*

Microbial shifts in the porcine distal gut in response to diets supplemented with *Enterococcus Faecalis* as alternatives to antibiotics.

**Scientific reports** , Volume: 7 2017 Feb 6

*Authors Li P,Niu Q,Wei Q,Zhang Y,Ma X,Kim SW,Lin M,Huang R*

Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.

**Journal of dairy science** , Volume: 100 Issue: 4 2017 Apr

Authors Boudry G,Hamilton MK,Chichlowski M,Wickramasinghe S,Barile D,Kalanetra KM,Mills DA,Raybould HE

Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals.

**Proceedings of the National Academy of Sciences of the United States of America** , Volume: 114 Issue: 3 2017 Jan 17

Authors Azcarate-Peril MA,Ritter AJ,Savaiano D,Monteagudo-Mera A,Anderson C,Magness ST,Klaenhammer TR

Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.

**Diabetes** , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM,Kim TT,Denou E,Softys CM,Hamza SM,Byrne NJ,Masson G,Park H,Wishart DS,Madsen KL,Schertzer JD,Dyck JR

Breaking the resistance of Escherichia coli: Antimicrobial activity of Berberis lycium Royle.

**Microbial pathogenesis** , Volume: 102 2017 Jan

Authors Malik TA,Kamili AN,Chishti MZ,Ahad S,Tantry MA,Hussain PR,Johri RK

Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.

**International journal of food microbiology** , Volume: 241 2017 Jan 16

Authors Moens F,Verce M,De Vuyst L

Protein- and zinc-deficient diets modulate the murine microbiome and metabolic phenotype.

**The American journal of clinical nutrition** , Volume: 104 Issue: 5 2016 Nov

Authors Mayneris-Perxachs J,Bolick DT,Leng J,Medlock GL,Kolling GL,Papin JA,Swann JR,Guerrant RL

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.

**Journal of the science of food and agriculture** , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.

**Journal of periodontology** , Volume: 88 Issue: 2 2017 Feb

Authors Oliveira LF,Salvador SL,Silva PH,Furlaneto FA,Figueiredo L,Casarin R,Evolino E,Palioto DB,Souza SL,Taba M Jr,Novaes AB Jr,Messora MR

Japanese traditional dietary fungus koji Aspergillus oryzae functions as a prebiotic for Blautia coecoides through glycosylceramide: Japanese dietary fungus koji is a new prebiotic.

**SpringerPlus** , Volume: 5 Issue: 1 2016

Authors Hamajima H,Matsunaga H,Fujikawa A,Sato T,Mitsutake S,Yanagita T,Nagao K,Nakayama J,Kitagaki H

Non-absorbable apple procyanidins prevent obesity associated with gut microbial and metabolomic changes.

**Scientific reports** , Volume: 6 2016 Aug 10

Authors Masumoto S,Terao A,Yamamoto Y,Mukai T,Miura T,Shoji T

Integrative analysis of metabolome and gut microbiota in diet-induced hyperlipidemic rats treated with berberine compounds.

**Journal of translational medicine** , Volume: 14 Issue: 1 2016 Aug 5

Authors Li M,Shu X,Xu H,Zhang C,Yang L,Zhang L, Ji G

Enhancing flora balance in the gastrointestinal tract of mice by lactic acid bacteria from Chinese sourdough and enzyme activities indicative of metabolism of protein, fat, and carbohydrate by the flora.

**Journal of dairy science** , Volume: 99 Issue: 10 2016 Oct

Authors Yang D,Yu X,Wu Y,Chen X,Wei H,Shah NP,Xu F

Dietary Casein and Soy Protein Isolate Modulate the Effects of Raffinose and Fructooligosaccharides on the Composition and Fermentation of Gut Microbiota in Rats.

**Journal of food science** , Volume: 81 Issue: 8 2016 Aug

Authors Bai G,Ni K,Tsuruta T,Nishino N

Lactobacillus fermentum CRL1446 Ameliorates Oxidative and Metabolic Parameters by Increasing Intestinal Feruloyl Esterase Activity and Modulating Microbiota in Calorie-Restricted Mice.

**Nutrients** , Volume: 8 Issue: 7 2016 Jul 7

Authors Russo M,Fabersani E,Abejón-Mukdsi MC,Ross R,Fontana C,Benítez-Páez A,Gauffin-Cano P,Medina RB

Ecophysiological consequences of alcoholism on human gut microbiota: implications for ethanol-related pathogenesis of colon cancer.

**Scientific reports** , Volume: 6 2016 Jun 13

Authors Tsuruya A,Kuwahara A,Saito Y,Yamaguchi H,Tsubo T,Suga S,Inai M,Aoki Y,Takahashi S,Tsutsumi E,Suwa Y,Morita H,Kinoshita K,Totsuka Y,Suda W,Oshima K,Hattori M,Mizukami T,Yokoyama A,Shimoyama T,Nakayama T

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,Moscatti L,Onofri A,Lorenzetti C,Franciosi MP

[Lingonberries alter the gut microbiota and prevent low-grade inflammation in high-fat diet fed mice.](#)

**Food & nutrition research** , Volume: 60 2016

Authors Heyman-Lindén L,Kotowska D,Sand E,Bjursell M,Plaza M,Turner C,Holm C,Fåk F,Berger K

[Nondigestible Fructans Alter Gastrointestinal Barrier Function, Gene Expression, Histomorphology, and the Microbiota Profiles of Diet-Induced Obese C57BL/6J Mice.](#)

**The Journal of nutrition** , Volume: 146 Issue: 5 2016 May

Authors Liu TW,Cephas KD,Holscher HD,Kerr KR,Mangian HF,Tappenden KA,Swanson KS

[Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.](#)

**Journal of pediatric gastroenterology and nutrition** , Volume: 63 Issue: 6 2016 Dec

Authors Berding K,Wang M,Monaco MH,Alexander LS,Mudd AT,Chichlowski M,Waworuntu RV,Berg BM,Miller MJ,Dilger RN,Donovan SM

[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

[Modulation of Gut Microbiota by Berberine Improves Steatohepatitis in High-Fat Diet-Fed BALB/C Mice.](#)

**Archives of Iranian medicine** , Volume: 19 Issue: 3 2016 Mar

Authors Cao Y,Pan Q,Cai W,Shen F,Chen GY,Xu LM,Fan JG

[Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.](#)

**Food & function** , Volume: 7 Issue: 3 2016 Mar

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

[Lingonberries reduce atherosclerosis in Apoe\(-/-\) mice in association with altered gut microbiota composition and improved lipid profile.](#)

**Molecular nutrition & food research** , Volume: 60 Issue: 5 2016 May

Authors Matziouridou C,Marunguang N,Nguyen TD,Nyman M,Fåk F

[Purification and characteristics of a novel bacteriocin produced by Enterococcus faecalis L11 isolated from Chinese traditional fermented cucumber.](#)

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

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

[Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.](#)

**Gut** , Volume: 66 Issue: 5 2017 May

Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkouravdos I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D

[High purity galacto-oligosaccharides enhance specific Bifidobacterium species and their metabolic activity in the mouse gut microbiome.](#)

**Beneficial microbes** , Volume: 7 Issue: 2 2016

Authors Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA

[The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 \(IBRC-M 10784\) as Probiotic Bacteria in vitro.](#)

**Archives of Iranian medicine** , Volume: 19 Issue: 2 2016 Feb

Authors Mahboubi M,Kazempour N

[Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.](#)

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

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

[Antibacterial Activity of Probiotic Lactobacillus plantarum HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.](#)

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

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

[Microbial Metabolism Shifts Towards an Adverse Profile with Supplementary Iron in the TIM-2 In vitro Model of the Human Colon.](#)

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

Authors Kortman GA,Dutilh BE,Maathuis AJ,Engelke UF,Boekhorst J,Keegan KP,Nielsen FG,Betley J,Weir JC,Kingsbury Z,Kluijtmans LA,Swinkels DW,Venema K,Tjalsma H

Extrusion of barley and oat influence the fecal microbiota and SCFA profile of growing pigs.

**Food & function** , Volume: 7 Issue: 2 2016 Feb

Authors Moen B,Berget I,Rud I,Hole AS,Kjos NP,Sahlström S

Red wine polyphenols modulate fecal microbiota and reduce markers of the metabolic syndrome in obese patients.

**Food & function** , Volume: 7 Issue: 4 2016 Apr

Authors Moreno-Indias I,Sánchez-Alcoholado L,Pérez-Martínez P,Andrés-Lacueva C,Cardona F,Tinahones F,Queipo-Ortuño MI

Effect of Bacillus subtilis CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.

**Journal of applied microbiology** , Volume: 120 Issue: 1 2016 Jan

Authors Li Y,Xu Q,Huang Z,Lv L,Liu X,Yin C,Yan H,Yuan J

Table grape consumption reduces adiposity and markers of hepatic lipogenesis and alters gut microbiota in butter fat-fed mice.

**The Journal of nutritional biochemistry** , Volume: 27 2016 Jan

Authors Baldwin J,Collins B,Wolf PG,Martinez K,Shen W,Chuang CC,Zhong W,Cooney P,Cockrell C,Chang E,Gaskins HR,McIntosh MK

Microbial populations and fermentation profiles in rumen liquid and solids of Holstein cows respond differently to dietary barley processing.

**Journal of applied microbiology** , Volume: 119 Issue: 6 2015 Dec

Authors Metzler-Zebeli BU,Khol-Parisini A,Gruber L,Zebeli Q

Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats.

**Scientific reports** , Volume: 5 2015 Sep 23

Authors Zhang X,Zhao Y,Xu J,Xue Z,Zhang M,Pang X,Zhang X,Zhao L

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,Gozi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

Effects of pre-encapsulated and pro-encapsulated Enterococcus faecalis on growth performance, blood characteristics, and cecal microflora in broiler chickens.

**Poultry science** , Volume: 94 Issue: 11 2015 Nov

Authors Zhang L,Li J,Yun TT,Qi WT,Liang XX,Wang YW,Li AK

Characterization of the Intestinal Lactobacilli Community following Galactooligosaccharides and Polydextrose Supplementation in the Neonatal Piglet.

**PloS one** , Volume: 10 Issue: 8 2015

Authors Hoeflinger JL,Kashtanov DO,Cox SB,Dowd SE,Jouni ZE,Donovan SM,Miller MJ

Effect of starch source (corn, oats or wheat) and concentration on fermentation by equine faecal microbiota in vitro.

**Journal of applied microbiology** , Volume: 119 Issue: 5 2015 Nov

Authors Harlow BE,Donley TM,Lawrence LM,Flythe MD

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

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

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

Antibacterial activity and mechanism of berberine against Streptococcus agalactiae.

**International journal of clinical and experimental pathology** , Volume: 8 Issue: 5 2015

Authors Peng L,Kang S,Yin Z,Jia R,Song X,Li L,Li Z,Zou Y,Liang X,Li L,He C,Ye G,Yin L,Shi F,Lv C,Jing B

Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.

**Food & function** , Volume: 6 Issue: 8 2015 Aug

Authors Li Z,Henning SM,Lee RP,Lu QY,Summanen PH,Thames G,Corbett K,Downes J,Tseng CH,Finegold SM,Heber D

Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.

**Molecular nutrition & food research** , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

Wheat and barley differently affect porcine intestinal microbiota.

**Journal of the science of food and agriculture** , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

In vitro characterisation of the fermentation profile and prebiotic capacity of gold-fleshed kiwifruit.

**Beneficial microbes** , Volume: 6 Issue: 6 2015

Authors Blatchford P,Bentley-Hewitt KL,Stoklosinski H,McGhie T,Gearry R,Gibson G,Ansell J

In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.

**Journal of microbiology and biotechnology** , Volume: 25 Issue: 9 2015 Sep

Authors Jung TH,Jeon WM,Han KS

Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.

**Anaerobe** , Volume: 34 2015 Aug

**Authors** Li Z,Summanen PH,Komoriya T,Henning SM,Lee RP,Carlson E,Heber D,Finegold SM

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

Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.

**The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi** , Volume: 65 Issue: 4 2015 Apr

**Authors** Shadnough M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M

Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets.

**The British journal of nutrition** , Volume: 113 Issue: 10 2015 May 28

**Authors** Zhong Y,Marungruang N,Fåk F,Nyman M

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

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

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

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.

**Beneficial microbes** , Volume: 6 Issue: 4 2015

**Authors** Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.

**Journal of pediatric gastroenterology and nutrition** , Volume: 60 Issue: 6 2015 Jun

**Authors** Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM

Dietary Enterococcus faecalis LAB31 improves growth performance, reduces diarrhea, and increases fecal Lactobacillus number of weaned piglets.

**PloS one** , Volume: 10 Issue: 1 2015

**Authors** Hu Y,Dun Y,Li S,Zhang D,Peng N,Zhao S,Liang Y

In situ prebiotics for weaning piglets: in vitro production and fermentation of potato galacto-rhamnogalacturonan.

**Applied and environmental microbiology** , Volume: 81 Issue: 5 2015 Mar

**Authors** Strube ML,Ravn HC,Ingerslev HC,Meyer AS,Boye M

Antimicrobial Effect of Lactobacillus reuteri on Cariogenic Bacteria Streptococcus gordonii, Streptococcus mutans, and Periodontal Diseases Actinomyces naeslundii and Tannerella forsythia.

**Probiotics and antimicrobial proteins** , Volume: 7 Issue: 1 2015 Mar

**Authors** Baca-Castañón ML,De la Garza-Ramos MA,Alcázar-Pizaña AG,Grondin Y,Coronado-Mendoza A,Sánchez-Najera RI,Cárdenas-Estrada E,Medina-De la Garza CE,Escamilla-García E

Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults.

**The Journal of nutrition** , Volume: 144 Issue: 11 2014 Nov

**Authors** Ferrario C,Taverniti V,Milani C,Fiore W,Laureati M,De Noni I,Stuknyte M,Chouaia B,Riso P,Guglielmetti S

Active dry Saccharomyces cerevisiae can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.

**Journal of dairy science** , Volume: 97 Issue: 12 2014 Dec

**Authors** AlZahal O,Dionissopoulos L,Laarman AH,Walker N,McBride BW

Use of selected lactic acid bacteria in the eradication of Helicobacter pylori infection.

**Journal of microbiology (Seoul, Korea)** , Volume: 52 Issue: 11 2014 Nov

**Authors** Kim JE,Kim MS,Yoon YS,Chung MJ,Yum DY

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

Effect of Bacillus subtilis C-3102 spores as a probiotic feed supplement on growth performance, noxious gas emission, and intestinal microflora in broilers.

**Poultry science** , Volume: 93 Issue: 12 2014 Dec

**Authors** Jeong JS,Kim IH

Effect of prebiotics on the fecal microbiota of elderly volunteers after dietary supplementation of Bacillus coagulans GBI-30, 6086.

**Anaerobe** , Volume: 30 2014 Dec

**Authors** Nyangale EP,Farmer S,Keller D,Chernoff D,Gibson GR

Synbiotic Lactobacillus acidophilus NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial.

**FEMS microbiology ecology** , Volume: 90 Issue: 1 2014 Oct

Authors van Zanten GC,Krych L,Röytiö H,Forssten S,Lahtinen SJ,Abu Al-Soud W,Sørensen S,Svensson B,Jespersen L,Jakobsen M

[Coexpression and secretion of endoglucanase and phytase genes in \*Lactobacillus reuteri\*.](#)

**International journal of molecular sciences** , Volume: 15 Issue: 7 2014 Jul 21

Authors Wang L,Yang Y,Cai B,Cao P,Yang M,Chen Y

[Efficacy of Papacarie® in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.](#)

**Clinics (Sao Paulo, Brazil)** , Volume: 69 Issue: 5 2014

Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MF

[Korean ginseng modulates the ileal microbiota and mucin gene expression in the growing rat.](#)

**Food & function** , Volume: 5 Issue: 7 2014 Jul 25

Authors Han KS,Balan P,Hong HD,Choi WI,Cho CW,Lee YC,Moughan PJ,Singh H

[Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.](#)

**Food & function** , Volume: 5 Issue: 6 2014 Jun

Authors Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G

[454 pyrosequencing reveals changes in the faecal microbiota of adults consuming \*Lactobacillus casei\* Zhang.](#)

**FEMS microbiology ecology** , Volume: 88 Issue: 3 2014 Jun

Authors Zhang J,Wang L,Guo Z,Sun Z,Gesudu Q,Kwok L,Menghebilige,Zhang H

[Effects of \*Lactobacillus plantarum\* on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.](#)

**Canadian journal of microbiology** , Volume: 60 Issue: 4 2014 Apr

Authors Shen X,Yi D,Ni X,Zeng D,Jing B,Lei M,Bian Z,Zeng Y,Li T,Xin J

[Changes chemopreventive markers in colorectal cancer development after inulin supplementation.](#)

**Bratislavske lekarske listy** , Volume: 115 Issue: 2 2014

Authors Hijoja E,Szabadosova V,Strojny L,Bomba A

[RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.](#)

**Applied and environmental microbiology** , Volume: 80 Issue: 7 2014 Apr

Authors Tannock GW,Lawley B,Munro K,Sims IM,Lee J,Butts CA,Roy N

[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

[Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.](#)

**Clinical nutrition (Edinburgh, Scotland)** , Volume: 33 Issue: 6 2014 Dec

Authors Majid HA,Cole J,Emery PW,Whelan K

[Effects of a probiotic, \*Enterococcus faecium\*, on growth performance, intestinal morphology, immune response, and cecal microflora in broiler chickens challenged with \*Escherichia coli\* K88.](#)

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

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

[The impact of high dietary zinc oxide on the development of the intestinal microbiota in weaned piglets.](#)

**FEMS microbiology ecology** , Volume: 87 Issue: 2 2014 Feb

Authors Starke IC,Pieper R,Neumann K,Zentek J,Vahjen W

[Probiotic features of two oral \*Lactobacillus\* isolates.](#)

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

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

[Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.](#)

**Glycobiology** , Volume: 23 Issue: 11 2013 Nov

Authors Yu ZT,Chen C,Newburg DS

[Kiwifruit \(\*Actinidia deliciosa\*\) changes intestinal microbial profile.](#)

**Microbial ecology in health and disease** , Volume: 23 2012

Authors Lee YK,Low KY,Siah K,Drummond LM,Gwee KA

[Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.](#)

**Molecular nutrition & food research** , Volume: 57 Issue: 12 2013 Dec

Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

[Lowbush wild blueberries have the potential to modify gut microbiota and xenobiotic metabolism in the rat colon.](#)

**PloS one** , Volume: 8 Issue: 6 2013

Authors Lacombe A,Li RW,Klimis-Zacas D,Kristo AS,Tadepalli S,Krauss E,Young R,Wu VC

[Effects of microencapsulated \*Enterococcus faecalis\* CG1.0007 on growth performance, antioxidation activity, and intestinal](#)

[microbiota in broiler chickens.](#)

**Journal of animal science** , Volume: 91 Issue: 9 2013 Sep

Authors Han W,Zhang XL,Wang DW,Li LY,Liu GL,Li AK,Zhao YX

[Antibacterial activity and mode of action of ferulic and gallic acids against pathogenic bacteria.](#)

**Microbial drug resistance (Larchmont, N.Y.)** , Volume: 19 Issue: 4 2013 Aug

Authors Borges A,Ferreira C,Saavedra MJ,Simões M

[Grain-rich diets differently alter ruminal and colonic abundance of microbial populations and lipopolysaccharide in goats.](#)

**Anaerobe** , Volume: 20 2013 Apr

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

[Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.](#)

**FEMS microbiology ecology** , Volume: 84 Issue: 3 2013 Jun

Authors Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS

[Metagenomic analyses of alcohol induced pathogenic alterations in the intestinal microbiome and the effect of Lactobacillus rhamnosus GG treatment.](#)

**PloS one** , Volume: 8 Issue: 1 2013

Authors Bull-Otterson L,Feng W,Kirpich I,Wang Y,Qin X,Liu Y,Gobejishvili L,Joshi-Barve S,Ayvaz T,Petrosino J,Kong M,Barker D,McClain C,Barve S

[The inhibitory effect of polyphenols on human gut microbiota.](#)

**Journal of physiology and pharmacology : an official journal of the Polish Physiological Society** , Volume: 63 Issue: 5 2012 Oct

Authors Duda-Chodak A

[In vitro fermentation of commercial  \$\alpha\$ -gluco-oligosaccharide by faecal microbiota from lean and obese human subjects.](#)

**The British journal of nutrition** , Volume: 109 Issue: 11 2013 Jun

Authors Sarbini SR,Kolida S,Gibson GR,Rastall RA

[Effects of oat  \$\beta\$ -glucan and barley  \$\beta\$ -glucan on fecal characteristics, intestinal microflora, and intestinal bacterial metabolites in rats.](#)

**Journal of agricultural and food chemistry** , Volume: 60 Issue: 45 2012 Nov 14

Authors Shen RL,Dang XY,Dong JL,Hu XZ

[Gut microbiome composition is linked to whole grain-induced immunological improvements.](#)

**The ISME journal** , Volume: 7 Issue: 2 2013 Feb

Authors Martinez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

[Effects of cereal  \$\beta\$ -glucans and enzyme inclusion on the porcine gastrointestinal tract microbiota.](#)

**Anaerobe** , Volume: 18 Issue: 6 2012 Dec

Authors Murphy P,Bello FD,O'Doherty JV,Arendt EK,Sweeney T,Coffey A

[Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.](#)

**Journal of dairy science** , Volume: 95 Issue: 9 2012 Sep

Authors Wang S,Zhu H,Lu C,Kang Z,Luo Y,Feng L,Lu X

[Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.](#)

**PloS one** , Volume: 7 Issue: 8 2012

Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L

[Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.](#)

**FEMS microbiology ecology** , Volume: 83 Issue: 1 2013 Jan

Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C

[Enzyme deactivation treatments did not decrease the beneficial role of oat food in intestinal microbiota and short-chain fatty acids: an in vivo study.](#)

**Journal of the science of food and agriculture** , Volume: 93 Issue: 3 2013 Feb

Authors Hu X,Xing X,Zhen H

[Effect of chito-oligosaccharide on growth performance, intestinal barrier function, intestinal morphology and cecal microflora in weaned pigs.](#)

**Journal of animal science** , Volume: 90 Issue: 8 2012 Aug

Authors Yang CM,Ferket PR,Hong QH,Zhou J,Cao GT,Zhou L,Chen AG

[Influence of red wine polyphenols and ethanol on the gut microbiota ecology and biochemical biomarkers.](#)

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

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

The antimicrobial action of chitosan, low molar mass chitosan, and chitooligosaccharides on human colonic bacteria.

**Folia microbiologica** , Volume: 57 Issue: 4 2012 Jul

Authors Simunek J, Brandysová V, Koppová I, Simunek J Jr

Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

**The Journal of nutrition** , Volume: 142 Issue: 4 2012 Apr

Authors Li M, Bauer LL, Chen X, Wang M, Kuhlenschmidt TB, Kuhlenschmidt MS, Fahey GC Jr, Donovan SM

Changes in gut microbiota in children with atopic dermatitis administered the bacteria *Lactobacillus casei* DN-114001

**Polish journal of microbiology** , Volume: 60 Issue: 4 2011

Authors Klewicka E, Cukrowska B, Libudzisz Z, Slizewska K, Motyl I

Grape antioxidant dietary fiber stimulates *Lactobacillus* growth in rat cecum.

**Journal of food science** , Volume: 77 Issue: 2 2012 Feb

Authors Pozuelo MJ, Agís-Torres A, Hervet-Hernández D, Elvira López-Oliva M, Muñoz-Martínez E, Rotger R, Goñi I

Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut.

**Journal of agricultural and food chemistry** , Volume: 59 Issue: 24 2011 Dec 28

Authors Vendrame S, Guglielmetti S, Riso P, Arioli S, Klimis-Zacas D, Porrini M

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, Iimura Y, Kobashi Y, Kawashima T, Wakamatsu J, Hattori A, Murakami H, Morimatsu F, Nakaebisu T, Hishinuma T

Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.

**Journal of the science of food and agriculture** , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML, Rebolé A, Velasco S, Ortiz LT, Treviño J, Alzueta C

Prunus mume extract exhibits antimicrobial activity against pathogenic oral bacteria.

**International journal of paediatric dentistry** , Volume: 21 Issue: 4 2011 Jul

Authors Seneviratne CJ, Wong RW, Hägg U, Chen Y, Herath TD, Samaranayake PL, Kao R

Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.

**Pharmaceutical biology** , Volume: 49 Issue: 4 2011 Apr

Authors Özçelik B, Kartal M, Orhan I

Increased dietary zinc oxide changes the bacterial core and enterobacterial composition in the ileum of piglets.

**Journal of animal science** , Volume: 89 Issue: 8 2011 Aug

Authors Vahjen W, Pieper R, Zentek J

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

Antimicrobial activity of a combination of *Mume fructus*, *Schizandrae fructus*, and *Coptidis rhizoma* on enterohemorrhagic *Escherichia coli* O26, O111, and O157 and its effect on Shiga toxin releases.

**Foodborne pathogens and disease** , Volume: 8 Issue: 5 2011 May

Authors Lee JH, Stein BD

The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote d'Ivoire.

**The American journal of clinical nutrition** , Volume: 92 Issue: 6 2010 Dec

Authors Zimmermann MB, Chassard C, Rohner F, Ngoran EK, Nindjin C, Dostal A, Utzinger J, Ghattas H, Lacroix C, Hurrell RF

[Functional biostructure of colonic microbiota (central fermenting area, germinal stock area and separating mucus layer) in healthy subjects and patients with diarrhea treated with *Saccharomyces boulardii*].

**Gastroenterologie clinique et biologique** , Volume: 34 Suppl 1 2010 Sep

Authors Swidsinski A, Loening-Baucke V, Kirsch S, Doerffel Y

The antimicrobial efficacy of *Fructus mume* extract on orthodontic bracket: a monospecies-biofilm model study in vitro.

**Archives of oral biology** , Volume: 56 Issue: 1 2011 Jan

Authors Chen Y, Wong RW, Seneviratne CJ, Hägg U, McGrath C, Samaranayake LP, Kao R

Preparation of selenium/zinc-enriched probiotics and their effect on blood selenium and zinc concentrations, antioxidant capacities, and intestinal microflora in canine.

**Biological trace element research** , Volume: 141 Issue: 1-3 2011 Jun

Authors Ren Z, Zhao Z, Wang Y, Huang K

Inhibitory effects of Japanese apricot (*Prunus mume* Siebold et Zucc.; Ume) on *Helicobacter pylori*-related chronic gastritis.

**European journal of clinical nutrition** , Volume: 64 Issue: 7 2010 Jul

Authors Enomoto S,Yanaoka K,Utsunomiya H,Niwa T,Inada K,Deguchi H,Ueda K,Mukoubayashi C,Inoue I,Maekita T,Nakazawa K,Iguchi M,Arii K,Tamai H,Yoshimura N,Fujishiro M,Oka M,Ichinose M

Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.

**Journal of animal science** , Volume: 88 Issue: 9 2010 Sep

Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr

Lactobacillus johnsonii N6.2 mitigates the development of type 1 diabetes in BB-DP rats.

**PloS one** , Volume: 5 Issue: 5 2010 May 6

Authors Valladares R,Sankar D,Li N,Williams E,Lai KK,Abdelgelil AS,Gonzalez CF,Wasserfall CH,Larkin J,Schatz D,Atkinson MA,Triplett EW,Neu J,Lorca GL

The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota.

**International journal of food microbiology** , Volume: 140 Issue: 2-3 2010 Jun 15

Authors Bialonska D,Ramnani P,Kasimsetty SG,Muntha KR,Gibson GR,Ferreira D

Low levels of faecal lactobacilli in women with iron-deficiency anaemia in south India.

**The British journal of nutrition** , Volume: 104 Issue: 7 2010 Oct

Authors Balamurugan R,Mary RR,Chittaranjan S,Jancy H,Shobana Devi R,Ramakrishna BS

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

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

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

Probiotics have clinical, microbiologic, and immunologic efficacy in acute infectious diarrhea.

**The Pediatric infectious disease journal** , Volume: 29 Issue: 2 2010 Feb

Authors Chen CC,Kong MS,Lai MW,Chao HC,Chang KW,Chen SY,Huang YC,Chiu CH,Li WC,Lin PY,Chen CJ,Li TY

Characterization and antimicrobial spectrum of bacteriocins produced by lactic acid bacteria isolated from traditional Bulgarian dairy products.

**Journal of applied microbiology** , Volume: 106 Issue: 2 2009 Feb

Authors Simova ED,Beshkova DB,Dimitrov ZhP

Splenda alters gut microflora and increases intestinal p-glycoprotein and cytochrome p-450 in male rats.

**Journal of toxicology and environmental health. Part A** , Volume: 71 Issue: 21 2008

Authors Abou-Donia MB,El-Masry EM,Abdel-Rahman AA,McLendon RE,Schiffman SS

In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.

**FEMS microbiology ecology** , Volume: 64 Issue: 3 2008 Jun

Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA

Inhibitory effect of Gram-negative and Gram-positive microorganisms against Helicobacter pylori clinical isolates.

**The Journal of antimicrobial chemotherapy** , Volume: 61 Issue: 1 2008 Jan

Authors López-Brea M,Alarcón T,Domingo D,Díaz-Regañón J

Modifying effects of fermented brown rice on fecal microbiota in rats.

**Anaerobe** , Volume: 13 Issue: 5-6 2007 Oct-Dec

Authors Kataoka K,Kibe R,Kuwahara T,Hagiwara M,Arimochi H,Iwasaki T,Benno Y,Ohnishi Y

Impact of consumption of different levels of Bifidobacterium lactis HN019 on the intestinal microflora of elderly human subjects.

**The journal of nutrition, health & aging** , Volume: 11 Issue: 1 2007 Jan-Feb

Authors Ahmed M,Prasad J,Gill H,Stevenson L,Gopal P

Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.

**Asia Pacific journal of clinical nutrition** , Volume: 16 Issue: 1 2007

Authors Kim SH,Lee DH,Meyer D

Physiological effects of extraction juices from apple, grape, and red beet pomaces in rats.

**Journal of agricultural and food chemistry** , Volume: 54 Issue: 26 2006 Dec 27

Authors Sembries S,Dongowski G,Mehrländer K,Will F,Dietrich H

Effect of the folk remedy, Bainiku-ekisu, a concentrate of Prunus mume juice, on Helicobacter pylori infection in humans.

**Helicobacter** , Volume: 11 Issue: 6 2006 Dec

Authors Nakajima S,Fujita K,Inoue Y,Nishio M,Seto Y

Antagonistic activity of probiotic lactobacilli and bifidobacteria against entero- and uropathogens.

**Journal of applied microbiology** , Volume: 100 Issue: 6 2006 Jun

Authors Hütt P,Shchepetova J,Löivukene K,Kullisaar T,Mikelsaar M

Improvement of the human intestinal flora by ingestion of the probiotic strain Lactobacillus johnsonii La1.

**The British journal of nutrition** , Volume: 95 Issue: 2 2006 Feb

Authors Yamano T,Iino H,Takada M,Blum S,Rochat F,Fukushima Y

Red wine polyphenols influence carcinogenesis, intestinal microflora, oxidative damage and gene expression profiles of colonic mucosa in F344 rats.

**Mutation research , Volume: 591 Issue: 1-2 2005 Dec 11**

Authors Dolara P, Luceri C, De Filippo C, Femia AP, Giovannelli L, Caderni G, Cecchini C, Silvi S, Orpianesi C, Cresci A

[Modulation of the fecal microbiota by the intake of a Lactobacillus johnsonii La1-containing product in human volunteers.](#)

**FEMS microbiology letters , Volume: 248 Issue: 2 2005 Jul 15**

Authors Garrido D, Suau A, Pochart P, Cruchet S, Gotteland M

[Microbiological effects of consuming a synbiotic containing Bifidobacterium bifidum, Bifidobacterium lactis, and oligofructose in elderly persons, determined by real-time polymerase chain reaction and counting of viable bacteria.](#)

**Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 40 Issue: 1 2005 Jan 1**

Authors Bartosch S, Woodmansey EJ, Paterson JC, McMurdo ME, Macfarlane GT

[Contribution of acetate to butyrate formation by human faecal bacteria.](#)

**The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun**

Authors Duncan SH, Holtrop G, Lobley GE, Calder AG, Stewart CS, Flint HJ

[Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.](#)

**The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec**

Authors Dongowski G, Huth M, Gebhardt E, Flamme W

[Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.](#)

**The British journal of nutrition , Volume: 88 Suppl 1 2002 Sep**

Authors Bomba A, Nemcová R, Gancarcíková S, Herich R, Guba P, Mudronová D

[Aberrant composition of gut microbiota of allergic infants: a target of bifidobacterial therapy at weaning?](#)

**Gut , Volume: 51 Issue: 1 2002 Jul**

Authors Kirjavainen PV, Arvola T, Salminen SJ, Isolauri E

[Prebiotic treatment of experimental colitis with germinated barley foodstuff: a comparison with probiotic or antibiotic treatment.](#)

**International journal of molecular medicine , Volume: 9 Issue: 1 2002 Jan**

Authors Fukuda M, Kanauchi O, Araki Y, Andoh A, Mitsuyama K, Takagi K, Toyonaga A, Sata M, Fujiyama Y, Fukuoka M, Matsumoto Y, Bamba T

[Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.](#)

**The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug**

Authors Kleessen B, Hartmann L, Blaut M

[Probiotic activities of Lactobacillus casei rhamnosus: in vitro adherence to intestinal cells and antimicrobial properties.](#)

**Research in microbiology , Volume: 152 Issue: 2 2001 Mar**

Authors Forestier C, De Champs C, Vatoux C, Joly B

[Probiotics in foods not containing milk or milk constituents, with special reference to Lactobacillus plantarum 299v.](#)

**The American journal of clinical nutrition , Volume: 73 Issue: 2 Suppl 2001 Feb**

Authors Molin G

[Berberine.](#)

**Alternative medicine review : a journal of clinical therapeutic , Volume: 5 Issue: 2 2000 Apr**

Authors

[Changes in fecal microflora induced by intubation of mice with Bacillus subtilis \(natto\) spores are dependent upon dietary components.](#)

**Canadian journal of microbiology , Volume: 45 Issue: 1 1999 Jan**

Authors Hosoi T, Ametani A, Kiuchi K, Kaminogawa S

[Does probiotics administration decrease serum endotoxin levels in infants?](#)

**Journal of pediatric surgery , Volume: 34 Issue: 2 1999 Feb**

Authors Urao M, Fujimoto T, Lane GJ, Seo G, Miyano T

[The effect of consumption of milk fermented by Lactobacillus casei strain Shirota on the intestinal microflora and immune parameters in humans.](#)

**European journal of clinical nutrition , Volume: 52 Issue: 12 1998 Dec**

Authors Spanhaak S, Havenaar R, Schaafsma G

[Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.](#)

**Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct**

Authors Sghir A, Chow JM, Mackie RI

[Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.](#)

**The American journal of clinical nutrition , Volume: 65 Issue: 5 1997 May**

Authors Kleessen B, Sykura B, Zunft HJ, Blaut M



Purification and characterization of a component produced by *Lactobacillus fermentum* that inhibits the adhesion of K88 expressing *Escherichia coli* to porcine ileal mucus.

**The Journal of applied bacteriology** , Volume: 80 Issue: 3 1996 Mar

Authors Ouwehand AC,Conway PL

Antimicrobial and antioxidant activities of unripe papaya.

**Life sciences** , Volume: 53 Issue: 17 1993

Authors Osato JA,Santiago LA,Remo GM,Cuadra MS,Mori A

The effect of a probiotic on faecal and liver lipid classes in rats.

**The British journal of nutrition** , Volume: 73 Issue: 5 1995 May

Authors Fukushima M,Nakano M

Additional sources and private correspondance

**Private Correspondance** , Volume: 1 Issue: 2018

Curated database of commensal, symbiotic and pathogenic microbiota

**Generative Bioinformatics** , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

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Available at: <https://microbiomeprescription.com/Library/PubMed>

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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  
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Type 2 Diabetes  
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