

## Microbiome Information for: Alzheimer's disease

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

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

---

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

In the USA

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

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 Alzheimer's disease

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

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Actinomycetes	class	High	1760	Mogibacterium	genus	Low	86331
Deltaproteobacteria	class	High	28221	Monoglobus	genus	Low	2039302
Acidaminococcaceae	family	Low	909930	Muribaculum	genus	High	1918540
Bifidobacteriaceae	family	High	31953	Neisseria	genus	High	482
Burkholderiaceae	family	High	119060	Odoribacter	genus	High	283168
Chlamydiaceae	family	High	809	Ohtaekwangia	genus	High	1210119
Clostridiaceae	family	Low	31979	Oscillibacter	genus	High	459786
Coriobacteriaceae	family	High	84107	Oscillospira	genus	High	119852
Corynebacteriaceae	family	High	1653	Papillibacter	genus	Low	100175
Defluviitaleaceae	family	High	1185407	Parabacteroides	genus	High	375288
Desulfovibrionaceae	family	High	194924	Paraprevotella	genus	Low	577309
Enterobacteriaceae	family	High	543	Peptococcus	genus	High	2740
Enterococcaceae	family	High	81852	Phascolarctobacterium	genus	High	33024
Helicobacteraceae	family	High	72293	Porphyromonas	genus	High	836
Lachnospiraceae	family	Low	186803	Prevotella	genus	High	838
Lactobacillaceae	family	Low	33958	Pseudobutyrvibrio	genus	High	46205
Oscillospiraceae	family	Low	216572	Pseudomonas	genus	High	286
Peptostreptococcaceae	family	Low	186804	Romboutsia	genus	Low	1501226
Porphyromonadaceae	family	Low	171551	Roseburia	genus	Low	841
Ruminococcaceae	family	Low	541000	Rothia	genus	Low	508215
Staphylococcaceae	family	High	90964	Ruminiclostridium	genus	Low	1508657
Verrucomicrobiaceae	family	High	203557	Ruminococcus	genus	High	1263
Actinobacillus	genus	High	713	Shigella	genus	High	620
Adlercreutzia	genus	Low	447020	Slackia	genus	Low	84108
Agathobacter	genus	Low	1766253	Sphingomonas	genus	High	13687
Agathobaculum	genus	Low	2048137	Streptococcus	genus	Low	1301
Akkermansia	genus	High	239934	Subdoligranulum	genus	High	292632
Alternaria	genus	High	5598	Turidibacter	genus	Low	191303
Anaerobacterium	genus	Low	1486725	Tyzzera	genus	Low	1506577
Bacillus	genus	High	1386	Veillonella	genus	Low	29465
Bacteroides	genus	High	816	Bifidobacteriales	order	Low	85004
Barnesiella	genus	High	397864	Desulfovibrionales	order	High	213115
Bifidobacterium	genus	Low	1678	Erysipelotrichales	order	High	526525
Bilophila	genus	High	35832	Verrucomicrobiales	order	High	48461
Blautia	genus	Low	572511	[Clostridium] leptum	species	High	1535
Borrelia	genus	High	138	[Eubacterium] siraeum	species	Low	39492
Botrytis	genus	High	33196	[Ruminococcus] torques	species	Low	33039
Brevibacterium	genus	Low	1696	Adlercreutzia equolifaciens	species	Low	446660
Butyricoccus	genus	Low	580596	Agathobacter rectalis	species	Low	39491
Candida	genus	High	5475	Akkermansia muciniphila	species	High	239935
Castellaniella	genus	Low	359336	Alistipes indistinctus	species	High	626932

<b>Bacteria Name</b>	<b>Rank</b>	<b>Shift</b>	<b>Taxonomy ID</b>	<b>Bacteria Name</b>	<b>Rank</b>	<b>Shift</b>	<b>Taxonomy ID</b>
Catenibacterium	genus	High	135858	Bacillus cereus	species	High	1396
Chlamydia	genus	High	810	Bacteroides caccae	species	Low	47678
Clostridium	genus	Low	1485	Bacteroides fragilis	species	High	817
Collinsella	genus	High	102106	Bacteroides ovatus	species	High	28116
Coprococcus	genus	Low	33042	Bacteroides uniformis	species	High	820
Corynebacterium	genus	Low	1716	Barnesiella intestinihominis	species	High	487174
Desulfovibrio	genus	High	872	Bilophila wadsworthia	species	Low	35833
Dialister	genus	Low	39948	Candida albicans	species	High	5476
Dorea	genus	High	189330	Chlamydia pneumoniae	species	High	83558
Enterococcus	genus	High	1350	Cutibacterium acnes	species	High	1747
Escherichia	genus	High	561	Dorea longicatena	species	High	88431
Eubacterium	genus	Low	1730	Enterococcus casseliflavus	species	High	37734
Faecalibacterium	genus	Low	216851	Eubacterium coprostanoligenes	species	High	290054
Flavobacterium	genus	High	237	Eubacterium ventriosum	species	High	39496
Flavonifractor	genus	Low	946234	Fusobacterium nucleatum	species	High	851
Fusicatenibacter	genus	Low	1407607	Haemophilus parainfluenzae	species	Low	729
Fusobacterium	genus	High	848	Helicobacter pylori	species	High	210
Gemella	genus	High	1378	Intestinimonas butyriciproducens	species	Low	1297617
Gemmiger	genus	Low	204475	Lactobacillus johnsonii	species	Low	33959
Haemophilus	genus	High	724	Lautropia mirabilis	species	Low	47671
Helicobacter	genus	High	209	Paraprevotella clara	species	High	454154
Holdemanella	genus	High	1573535	Paraprevotella xylaniphila	species	High	454155
Intestinibacter	genus	High	1505657	Phocaeicola plebeius	species	High	310297
Lachnoclostridium	genus	Low	1506553	Porphyromonas gingivalis	species	High	837
Lachnospira	genus	Low	28050	Roseburia hominis	species	Low	301301
Lactiplantibacillus	genus	Low	2767842	Ruminococcus callidus	species	High	40519
Lactobacillus	genus	High	1578	Streptococcus agalactiae	species	High	1311
Levilactobacillus	genus	Low	2767886	Thomasclavelia spiroformis	species	Low	29348
Malassezia	genus	High	55193	Treponema pallidum	species	High	160
Megamonas	genus	High	158846	Treponema pectinovorum	species	High	164
				Treponema socranskii	species	High	53419

## Substance to Consider Adding or Taking

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

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

**2-Amino-5-(carbamoylamino)pentanoic acid {Citrulline}**

Abstention from eating {Fasting}

Adeps suillus {Lard}

Aloe vera {True Aloe}

**Camellia Linnaeus {camellia}**

**Cannabis sativa {Marijuana}**

cellulose

cranberry bean flour

**Crataegus {Hawthorn}**

**Epicatechin {Green tea polyphenol}**

Ethyl alcohol {Grain alcohol}

fat

Glycine max {Doenjang}

high red meat

Linum usitatissimum {Flaxseed} 30 mg/day

Litchi chinensis {lychee fruit}

Lycium barbarum x Lycium chinense, {Goji Fruit, Juice}

oolong teas

Phaseolus vulgaris {Boston bean}

**Pulvis ledebouriellae compositae {Bofutsushosan}**

red wine 250 ml/day

resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}

Rubus fruticosus {Blackberry}

Sodium 2-stearoyllactate {sodium stearoyl lactylate}

**Thiamine {Vitamin B1} 1.8 gram/day**

Tobacco consumption {Smoking}

## **Retail Probiotics**

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

Ombre / Harmony

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

## Substance to Consider Reducing or Eliminating

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

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

(2->1)-beta-D-fructofuranan {Inulin}

Avena sativa x Hordeum vulgare {barley,oat}

bacillus,lactobacillus,streptococcus,saccharomyces probiotic

bifidobacterium longum {B.Longum }

Cichorium intybus {Chicory}

Clostridium butyricum MIYAIRI 588 {Miyarisan}

Hordeum vulgare {Barley}

Lacticaseibacillus casei {L. casei}

Lacticaseibacillus paracasei {L.paracasei}

Lactobacillus plantarum {L. plantarum}

lactobacillus rhamnosus gg,bifidobacterium animalis lactis

,lactobacillus paracasei {cvs maximum strength probiotic}

Limosilactobacillus reuteri {L. Reuteri}

Propolis {Bee glue}

Prunus dulcis {Almonds}

Saccharomyces cerevisiae var boulardii {S. boulardii}

walnuts

wheat

## Sample of Literature Used

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

[Association between sphingomyelin levels and gut microbiota abundance in Alzheimer's disease: a two-sample Mendelian randomization study.](#)

**BMC neurology** , Volume: 25 Issue: 1 2025 Apr 30

Authors Wang L,Ding Y,Tang Y,Yang M,Yang Z,Yang X,Xia J

[Aging Gut-Brain Interactions: Pro-Inflammatory Gut Bacteria Are Elevated in Fecal Samples from Individuals Living with Alzheimer's Dementia.](#)

**Geriatrics (Basel, Switzerland)** , Volume: 10 Issue: 2 2025 Mar 7

Authors Donaldson AIC,Fyfe CL,Martin JC,Smith EE,Horgan GW,Myint PK,Johnstone AM,Scott KP

[Impact of 16S rRNA on Intestinal Flora Alterations and Early Diagnosis in Early Alzheimer's Disease Patients.](#)

**Actas espanolas de psiquiatria** , Volume: 53 Issue: 2 2025 Mar

Authors Lv D,Lin X,Zhang X,Shen Q

[Precision delivery of pretreated macrophage-membrane-coated Pt nanoclusters for improving Alzheimer's disease-like cognitive dysfunction induced by Porphyromonas gingivalis.](#)

**Biomaterials** , Volume: 319 2025 Aug

Authors Liu K,Ma X,Zhang Y,Zhao L,Shi Y

[Saliva Proteome, Metabolome and Microbiome Signatures for Detection of Alzheimer's Disease.](#)

**Metabolites** , Volume: 14 Issue: 12 2024 Dec 19

Authors François M,Pascovici D,Wang Y,Vu T,Liu JW,Beale D,Hor M,Hecker J,Faunt J,Maddison J,Johns S,Leifert W

[Bidirectional Two-Sample, Two-Step Mendelian Randomisation Study Reveals Mediating Role of Gut Microbiota Between Vitamin B Supplementation and Alzheimer's Disease.](#)

**Nutrients** , Volume: 16 Issue: 22 2024 Nov 18

Authors An Y,Cao Z,Du Y,Xu G,Wang J,Zheng J,Lu Y

[Mendelian randomization and genetic pleiotropy analysis for the connection between inflammatory bowel disease and Alzheimer's disease.](#)

**Progress in neuro-psychopharmacology & biological psychiatry** , Volume: 136 2025 Jan 10

Authors Wu Y,Yan Y,Qi J,Liu Y,Wang T,Chen H,Guan X,Zheng C,Zeng P

[Cutibacterium Acnes induces Alzheimer's disease-like pathology in brains of wistar rats through structural changes associated with microtubules.](#)

**Behavioral and brain functions : BBF** , Volume: 20 Issue: 1 2024 Nov 21

Authors Aliashrafi M,Nasehi M,Siadat SD,Mohammadi-Mahdiabadi-Hasani MH,Zali H,Niknam Z

[Protective effects of a lactobacilli mixture against Alzheimer's disease-like pathology triggered by Porphyromonas gingivalis.](#)

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

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

[Microbiota-derived lysophosphatidylcholine alleviates Alzheimer's disease pathology via suppressing ferroptosis.](#)

**Cell metabolism** , 2024 Nov 1

Authors Zha X,Liu X,Wei M,Huang H,Cao J,Liu S,Bian X,Zhang Y,Xiao F,Xie Y,Wang W,Zhang C

[Exploring bacterial metabolites in microbe-human host dialogue and their therapeutic potential in Alzheimer's diseases.](#)

**Molecular diversity** , 2024 Nov 5

Authors Singh SD,Bharali P,Nagamani S

[Gut commensal Agathobacter rectalis alleviates microglia-mediated neuroinflammation against pathogenesis of Alzheimer disease.](#)

**iScience** , Volume: 27 Issue: 11 2024 Nov 15

Authors Lv X,Zhan L,Ye T,Xie H,Chen Z,Lin Y,Cai X,Yang W,Liao X,Liu J,Sun J

[Can early gut microbiota screening reduce the incidence of cognitive impairment? A Mendelian randomization study.](#)

**Journal of Alzheimer's disease : JAD** , Volume: 102 Issue: 1 2024 Nov

Authors Xi C,Zhang J,Liu H,Xing J,Ding Y,Wei W,Wang L,Liu Z

[Does Dementia Have a Microbial Cause?](#)

**NeuroSci** , Volume: 3 Issue: 2 2022 Jun

Authors Landry RL,Embers ME

[Exploring the mechanism of chondroitin sulfate-selenium nanoparticles in improving Alzheimer's disease: Insights from intestinal flora evaluation.](#)

**Heliyon** , Volume: 10 Issue: 19 2024 Oct 15

Authors Fu C,Wang X,Zhou W,Gao Q,Luo J,Li Y

[Multi-omics analysis reveals the key factors involved in the severity of the Alzheimer's disease.](#)

**Alzheimer's research & therapy** , Volume: 16 Issue: 1 2024 Oct 2

Authors Meng L, Jin H, Yulug B, Altay O, Li X, Hanoglu L, Cankaya S, Coskun E, Idil E, Nogaylar R, Ozsimsek A, Shoaie S, Turkez H, Nielsen J, Zhang C, Borén J, Uhlén M, Mardinoglu A

[Gut microbiota changes in patients with Alzheimer's disease spectrum based on 16S rRNA sequencing: a systematic review and meta-analysis.](#)

**Frontiers in aging neuroscience** , Volume: 16 2024

Authors Li H, Cui X, Lin Y, Huang F, Tian A, Zhang R

[The involvement of effector memory CD4\(+\) T cells in mediating the impact of genus Oscillibacter gut microbiota on Alzheimer's disease: a Mendelian randomization study.](#)

**Frontiers in aging neuroscience** , Volume: 16 2024

Authors Zhang H, Wang Y, Zhao H, Wang W, Han F

[Dysregulation of Porphyromonas gingivalis Agmatine Deiminase Expression in Alzheimer's Disease.](#)

**Current Alzheimer research** , Volume: 21 Issue: 4 2024

Authors Hamdi A, Baroudi S, Gharbi A, Babay W, Laaribi AB, Kacem I, Mrabet S, Zidi I, Klibi N, Gouider R, Ouzari H

[Causal Associations Between Gut Microbiota, Gut Microbiota-Derived Metabolites, and Alzheimer's Disease: A Multivariable Mendelian Randomization Study.](#)

**Journal of Alzheimer's disease : JAD** , 2024 May 20

Authors Ning M, An L, Dong L, Zhu R, Hao J, Liu X, Zhang Y

[Bacteroidota inhibit microglia clearance of amyloid-beta and promote plaque deposition in Alzheimer's disease mouse models.](#)

**Nature communications** , Volume: 15 Issue: 1 2024 May 8

Authors Wasén C, Beauchamp LC, Vincentini J, Li S, LeServe DS, Gauthier C, Lopes JR, Moreira TG, Ekwudo MN, Yin Z, da Silva P, Krishnan RK, Butovsky O, Cox LM, Weiner HL

[Alterations in Gut Microbiota and Their Correlation with Brain Beta-Amyloid Burden Measured by \(18\)F-Florbetaben PET in Mild Cognitive Impairment Due to Alzheimer's Disease.](#)

**Journal of clinical medicine** , Volume: 13 Issue: 7 2024 Mar 27

Authors Kim GH, Kim BR, Yoon HJ, Jeong JH

[Human  \$\beta\$ -Defensin 3 Inhibition of P. gingivalis LPS-Induced IL-1 \$\beta\$  Production by BV-2 Microglia through Suppression of Cathepsins B and L.](#)

**Cells** , Volume: 13 Issue: 3 2024 Feb 4

Authors Inoue E, Minatozaki S, Shimizu S, Miyamoto S, Jo M, Ni J, Tozaki-Saitoh H, Oda K, Nonaka S, Nakanishi H

[Intracerebroventricular Cutibacterium acnes Generates Manifestations of Alzheimer's Disease-like Pathology in the Rat Hippocampus.](#)

**Neuroscience** , Volume: 540 2024 Mar 5

Authors Aliashrafi M, Nasehi M, Zarrindast MR, Joghataei MT, Zali H, Siadat SD

[Disease- and stage-specific alterations of the oral and fecal microbiota in Alzheimer's disease.](#)

**PNAS nexus** , Volume: 3 Issue: 1 2024 Jan

Authors Troci A, Philippen S, Rausch P, Rave J, Weyland G, Niemann K, Jessen K, Schmill LP, Aludin S, Franke A, Berg D, Bang C, Bartsch T

[Unraveling the connection between gut microbiota and Alzheimer's disease: a two-sample Mendelian randomization analysis.](#)

**Frontiers in aging neuroscience** , Volume: 15 2023

Authors Zeng H, Zhou K, Zhuang Y, Li A, Luo B, Zhang Y

[Gut Microbiota Composition in Patients with Neurodegenerative Disorders \(Parkinson's and Alzheimer's\) and Healthy Controls: A Systematic Review.](#)

**Nutrients** , Volume: 15 Issue: 20 2023 Oct 13

Authors Heravi FS, Naseri K, Hu H

[Microbiota from Alzheimer's patients induce deficits in cognition and hippocampal neurogenesis.](#)

**Brain : a journal of neurology** , 2023 Oct 18

Authors Grabrucker S, Marizzoni M, Silajdžić E, Lopizzo N, Mombelli E, Nicolas S, Dohm-Hansen S, Scassellati C, Moretti DV, Rosa M, Hoffmann K, Cryan JF, O'Leary OF, English JA, Lavelle A, O'Neill C, Thuret S, Cattaneo A, Nolan YM

[Helicobacter pylori infection contributes to the expression of Alzheimer's disease-associated risk factors and neuroinflammation.](#)

**Heliyon** , Volume: 9 Issue: 9 2023 Sep

Authors Noori M, Mahboobi R, Nabavi-Rad A, Jamshidizadeh S, Fakharian F, Yadegar A, Zali MR

[Implications of gut and oral microbiota in neuroinflammatory responses in Alzheimer's disease.](#)

**Life sciences** , Volume: 333 2023 Nov 15

Authors Bello-Corral L, Alves-Gomes L, Fernández-Fernández JA, Fernández-García D, Casado-Verdejo I, Sánchez-Valdeón L

[Cerebral small vessel disease burden is associated with decreased abundance of gut \*Barnesiella intestinihominis\* bacterium in the Framingham Heart Study.](#)

**Scientific reports** , Volume: 13 Issue: 1 2023 Aug 21

Authors Fongang B,Satizabal C,Kautz TF,Wadop YN,Muhammad JAS,Vasquez E,Mathews J,Gireud-Goss M,Saklad AR,Himali J,Beiser A,Cavazos JE,Mahaney MC,Maestre G,DeCarli C,Shipp EL,Vasan RS,Seshadri S

[Anaerobes in specific infectious and noninfectious diseases: new developments.](#)

**Anaerobe** , Volume: 81 2023 Jun

Authors Boyanova L,Markovska R,Yordanov D,Gergova R,Hadzhiyski P

[Characterizing the gut microbiome changes with aging in a novel Alzheimer's disease rat model.](#)

**Aging** , Volume: 15 Issue: 2 2023 Jan 13

Authors Nagarajan A,Srivastava H,Morrow CD,Sun LY

[Fecal Volatile Organic Compounds and Microbiota Associated with the Progression of Cognitive Impairment in Alzheimer's Disease.](#)

**International journal of molecular sciences** , Volume: 24 Issue: 1 2022 Dec 31

Authors Ubeda C,Vázquez-Carretero MD,Luque-Tirado A,Ríos-Reina R,Rubio-Sánchez R,Franco-Macías E,García-Miranda P,Calonge ML,Peral MJ

[Gut microbiome, cognitive function and brain structure: a multi-omics integration analysis.](#)

**Translational neurodegeneration** , Volume: 11 Issue: 1 2022 Nov 14

Authors Liang X,Fu Y,Cao WT,Wang Z,Zhang K,Jiang Z,Jia X,Liu CY,Lin HR,Zhong H,Miao Z,Gou W,Shuai M,Huang Y,Chen S,Zhang B,Chen YM,Zheng JS

[Implications of \*Porphyromonas gingivalis\* peptidyl arginine deiminase and gingipain R in human health and diseases.](#)

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

Authors Chow YC,Yam HC,Gunasekaran B,Lai WY,Wo WY,Agarwal T,Ong YY,Cheong SL,Tan SA

[Altered Gut Microbiota and Its Clinical Relevance in Mild Cognitive Impairment and Alzheimer`s Disease: Shanghai Aging Study and Shanghai Memory Study.](#)

**Nutrients** , Volume: 14 Issue: 19 2022 Sep 23

Authors Zhu Z,Ma X,Wu J,Xiao Z,Wu W,Ding S,Zheng L,Liang X,Luo J,Ding D,Zhao Q

[Nicotinamide adenine dinucleotide supplementation drives gut microbiota variation in Alzheimer's mouse model.](#)

**Frontiers in aging neuroscience** , Volume: 14 2022

Authors Chu X,Hou Y,Meng Q,Croteau DL,Wei Y,De S,Becker KG,Bohr VA

[Gut Microbiome and Mycobiome Alterations in an In Vivo Model of Alzheimer's Disease.](#)

**Genes** , Volume: 13 Issue: 9 2022 Aug 31

Authors D'Argenio V,Veneruso I,Gong C,Cecarini V,Bonfilii L,Eleuteri AM

[A comparison of the composition and functions of the oral and gut microbiotas in Alzheimer`s patients.](#)

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

Authors Chen L,Xu X,Wu X,Cao H,Li X,Hou Z,Wang B,Liu J, Ji X,Zhang P,Li H

[Association between Gut Microbiota with Mild Cognitive Impairment and Alzheimer`s Disease in a Thai Population.](#)

**Neuro-degenerative diseases** , Volume: 22 Issue: 2 2022

Authors Wanapaisan P,Chuansangam M,Nopnipa S,Mathuranyanon R,Nonthabenjawan N,Ngamsombat C,Thientunyakit T,Muangpaisan W

[Study of gut microbiota alterations in Alzheimer`s dementia patients from Kazakhstan.](#)

**Scientific reports** , Volume: 12 Issue: 1 2022 Sep 6

Authors Kaiyrylkyzy A,Kozhakhmetov S,Babenko D,Zholdasbekova G,Alzhanova D,Olzhayev F,Baibulatova A,Kushugulova AR,Askarova S

[Altered gut microbiota correlates with behavioral problems but not gastrointestinal symptoms in individuals with autism.](#)

**Brain, behavior, and immunity** , Volume: 106 2022 Nov

Authors Chen YC,Lin HY,Chien Y,Tung YH,Ni YH,Gau SS

[Machine Learning Data Analysis Highlights the Role of \*Parasutterella\* and \*Alloprevotella\* in Autism Spectrum Disorders.](#)

**Biomedicines** , Volume: 10 Issue: 8 2022 Aug 19

Authors Pietrucci D,Teofani A,Milanesi M,Fosso B,Putignani L,Messina F,Pesole G,Desideri A,Chillemi G

[\*Porphyromonas gingivalis\*: A key role in Parkinson's disease with cognitive impairment?](#)

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

Authors Li D,Ren T,Li H,Liao G,Zhang X

[Loss of body weight in old 5x\*FAD\* mice and the alteration of gut microbiota composition.](#)

**Experimental gerontology** , Volume: 166 2022 Sep

Authors Kameno K,Hasegawa Y,Hayashi K,Takemoto Y,Uchikawa H,Mukasa A,Kim-Mitsuyama S

[Alteration of Gut Microbiota in Alzheimer`s Disease and Their Relation to the Cognitive Impairment.](#)

**Journal of Alzheimer`s disease : JAD** , Volume: 88 Issue: 3 2022

Authors Khedr EM,Omeran N,Karam-Allah Ramadan H,Ahmed GK,Abdelwarith AM

[Fecal Microbiota Transplantation Derived from Alzheimer's Disease Mice Worsens Brain Trauma Outcomes in Wild-Type Controls.](#)

International journal of molecular sciences , Volume: 23 Issue: 9 2022 Apr 19

Authors Soriano S,Curry K,Wang Q,Chow E,Treangen TJ,Villapol S

[Alteration of the fecal microbiota in Chinese children with autism spectrum disorder.](#)

Autism research : official journal of the International Society for Autism Research , Volume: 15 Issue: 6 2022 Jun

Authors Xie X,Li L,Wu X,Hou F,Chen Y,Shi L,Liu Q,Zhu K,Jiang Q,Feng Y,Xiao P,Zhang J,Gong J,Song R

[Gut Microbiota Composition Is Related to AD Pathology.](#)

Frontiers in immunology , Volume: 12 2021

Authors Verhaar BJH,Hendriksen HMA,de Leeuw FA,Doorduyn AS,van Leeuwenstijn M,Teunissen CE,Barkhof F,Scheltens P,Kraaij R,van Duijn CM,Nieuwdorp M,Muller M,van der Flier WM

[Gut Microbial Profile Is Associated With the Severity of Social Impairment and IQ Performance in Children With Autism Spectrum Disorder.](#)

Frontiers in psychiatry , Volume: 12 2021

Authors Chen Z,Shi K,Liu X,Dai Y,Liu Y,Zhang L,Du X,Zhu T,Yu J,Fang S,Li F

[Imbalance in the Gut Microbiota of Children With Autism Spectrum Disorders.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Ding H,Yi X,Zhang X,Wang H,Liu H,Mou WW

[Serum Oxytocin Level Correlates With Gut Microbiome Dysbiosis in Children With Autism Spectrum Disorder.](#)

Frontiers in neuroscience , Volume: 15 2021

Authors Huang M,Liu K,Wei Z,Feng Z,Chen J,Yang J,Zhong Q,Wan G,Kong XJ

[Cyanobacteria, Cyanotoxins, and Neurodegenerative Diseases: Dangerous Liaisons.](#)

International journal of molecular sciences , Volume: 22 Issue: 16 2021 Aug 13

Authors Sini P,Dang TBC,Fais M,Galioto M,Padedda BM,Lugliè A,Iaccarino C,Crosio C

[Disturbed microbial ecology in Alzheimer's disease: evidence from the gut microbiota and fecal metabolome.](#)

BMC microbiology , Volume: 21 Issue: 1 2021 Aug 12

Authors Xi J,Ding D,Zhu H,Wang R,Su F,Wu W,Xiao Z,Liang X,Zhao Q,Hong Z,Fu H,Xiao Q

[Effects of Aricept on intestinal flora diversity in patients with mild Alzheimer's disease explored through high-throughput sequencing technology.](#)

American journal of translational research , Volume: 13 Issue: 4 2021

Authors Jiang Y,Guo Z,Liu X,Wang Y,Li J,Wang B

[Spatial Memory and Gut Microbiota Alterations Are Already Present in Early Adulthood in a Pre-clinical Transgenic Model of Alzheimer`s Disease.](#)

Frontiers in neuroscience , Volume: 15 2021

Authors Bello-Medina PC,Hernández-Quiroz F,Pérez-Morales M,González-Franco DA,Cruz-Pauseno G,García-Mena J,Díaz-Cintra S,Pacheco-López G

[Diet quality, gut microbiota, and microRNAs associated with mild cognitive impairment in middle-aged and elderly Chinese population.](#)

The American journal of clinical nutrition , Volume: 114 Issue: 2 2021 Aug 2

Authors Zhang X,Wang Y,Liu W,Wang T,Wang L,Hao L,Ju M,Xiao R

[Gut Microbiota Changes and Their Correlation with Cognitive and Neuropsychiatric Symptoms in Alzheimer's Disease.](#)

Journal of Alzheimer's disease : JAD , Volume: 81 Issue: 2 2021

Authors Zhou Y,Wang Y,Quan M,Zhao H,Jia J

[Structural and Functional Dysbiosis of Fecal Microbiota in Chinese Patients With Alzheimer`s Disease.](#)

Frontiers in cell and developmental biology , Volume: 8 2020

Authors Ling Z,Zhu M,Yan X,Cheng Y,Shao L,Liu X,Jiang R,Wu S

[Gut Microbiome Features of Chinese Patients Newly Diagnosed with Alzheimer`s Disease or Mild Cognitive Impairment.](#)

Journal of Alzheimer`s disease : JAD , 2021 Jan 26

Authors Guo M,Peng J,Huang X,Xiao L,Huang F,Zuo Z

[A new proposal for the causative agent of the sporadic form of Alzheimer's disease.](#)

Medical hypotheses , Volume: 146 2021 Jan

Authors Reinscheid F

[Associations between gut microbiota and Alzheimer`s disease, major depressive disorder, and schizophrenia.](#)

Journal of neuroinflammation , Volume: 17 Issue: 1 2020 Oct 2

Authors Zhuang Z,Yang R,Wang W,Qi L,Huang T

[Review: Extragastric diseases and Helicobacter pylori.](#)

Helicobacter , Volume: 25 Suppl 1 2020 Sep

Authors Pellicano R,Ianiri G,Fagoonee S,Settanni CR,Gasbarrini A

[Gut Microbiome of Healthy and Arthritic Dogs.](#)

**Veterinary sciences** , Volume: 7 Issue: 3 2020 Jul 14

Authors Cintio M,Scarsella E,Sgorlon S,Sandri M,Stefanon B

[Oral Health Status in Subjects with Amnesic Mild Cognitive Impairment and Alzheimer`s Disease: Data from the Zabút Aging Project.](#)

**Journal of Alzheimer`s disease : JAD** , 2020 Jun 4

Authors Panzarella V,Mauceri R,Baschi R,Maniscalco L,Campisi G,Monastero R

[d-glutamate and Gut Microbiota in Alzheimer`s Disease.](#)

**International journal of molecular sciences** , Volume: 21 Issue: 8 2020 Apr 11

Authors Chang CH,Lin CH,Lane HY

[Dietary Pattern, Gut Microbiota, and Alzheimer`s Disease.](#)

**Journal of agricultural and food chemistry** , 2020 Feb 28

Authors Zhang M,Zhao D,Zhou G,Li C

[Chronic Inflammatory Diseases at Secondary Sites Ensuing Urogenital or Pulmonary Chlamydia Infections.](#)

**Microorganisms** , Volume: 8 Issue: 1 2020 Jan 17

Authors Cheok YY,Lee CYQ,Cheong HC,Looi CY,Wong WF

[Infection of Fungí and Bacteria in Brain Tissue From Elderly Persons and Patients With Alzheimer's Disease.](#)

**Frontiers in aging neuroscience** , Volume: 10 2018

Authors Alonso R,Pisa D,Fernández-Fernández AM,Carrasco L

[Fecal Microbiome Signatures are Different in Food Allergic Children Compared to Siblings and Healthy Children.](#)

**Pediatric allergy and immunology : official publication of the European Society of Pediatric Allergy and Immunology** , 2018 Apr 6

Authors Kourosh A,Luna RA,Balderas M,Nance C,Anagnostou A,Devaraj S,Davis CM

[Gut microbiome alterations in Alzheimer`s disease.](#)

**Scientific reports** , Volume: 7 Issue: 1 2017 Oct 19

Authors Vogt NM,Kerby RL,Dill-McFarland KA,Harding SJ,Merluzzi AP,Johnson SC,Carlsson CM,Asthana S,Zetterberg H,Blennow K,Bendlin BB,Rey FE

[Alzheimer's Disease Histological and Behavioral Manifestations in Transgenic Mice Correlate with Specific Gut Microbiome State.](#)

**Journal of Alzheimer's disease : JAD** , Volume: 56 Issue: 1 2017

Authors Shen L,Liu L, Ji HF

[Association of brain amyloidosis with pro-inflammatory gut bacterial taxa and peripheral inflammation markers in cognitively impaired elderly.](#)

**Neurobiology of aging** , Volume: 49 2017 Jan

Authors Cattaneo A,Cattane N,Galluzzi S,Provasi S,Lopizzo N,Festari C,Ferrari C,Guerra UP,Paghera B,Muscio C,Bianchetti A,Volta GD,Turla M,Cotelli MS,Gennuso M,Prelle A,Zanetti O,Lussignoli G,Mirabile D,Bellandi D,Gentile S,Belotti G,Villani D,Harach T,Bolmont T,Padovani A,Boccardi M,Frisoni GB,INDIA-FBP Group.

[Bacteroides fragilis Lipopolysaccharide and Inflammatory Signaling in Alzheimer`s Disease.](#)

**Frontiers in microbiology** , Volume: 7 2016

Authors Lukiw WJ

[Impact of chronic Helicobacter pylori infection on Alzheimer's disease: preliminary results.](#)

**Neurobiology of aging** , Volume: 33 Issue: 5 2012 May

Authors Roubaud-Baudron C,Krolak-Salmon P,Quadrio I,Mégraud F,Salles N

[Chronic inflammation and amyloidogenesis in Alzheimer's disease – role of Spirochetes.](#)

**Journal of Alzheimer's disease : JAD** , Volume: 13 Issue: 4 2008 May

Authors Miklossy J

[The cure of one of the most frequent types of dementia: a historical parallel.](#)

**Alzheimer disease and associated disorders** , Volume: 19 Issue: 3 2005 Jul-Sep

Authors Nitrini R

[Molecular and immunological evidence of oral Treponema in the human brain and their association with Alzheimer's disease.](#)

**Oral microbiology and immunology** , Volume: 17 Issue: 2 2002 Apr

Authors Riviere GR,Riviere KH,Smith KS

[Role of infection in Alzheimer's disease.](#)

**The Journal of the American Osteopathic Association** , Volume: 101 Issue: 12 Suppl Pt 1 2001 Dec

Authors Balin BJ,Appelt DM

[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  
[Effects of Aerobic Exercise and Intermittent Fasting on Fecal Microbiome Diversity in Obese Mice.](#)

**Discovery medicine** , Volume: 37 Issue: 195 2025 Apr

Authors Yuan L, Luan Y, Hong W, Zhang B, Xiong Y

[Alleviating Effect of Lactiplantibacillus plantarum HYY-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

[The regulatory effects of epigallocatechin gallate on growth performance, systemic antioxidant status, immune response, and gut microbiota structure in geese.](#)

**Poultry science** , Volume: 104 Issue: 7 2025 Apr 16

Authors Liu M, Ge Y, Xu E, Zhu T, Ruan H, Zheng J

[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, Meric G, Inouye M, Lahti L, Niiranen T, Männistö S, Havulinna A, Knight R, Salomaa V

[Supplemental Probiotics, Postbiotics, and Their Combination on the Growth, Slaughter Variables, Organ Development, Intestinal Morphology, and Cecal Microbiota of Broilers.](#)

**Probiotics and antimicrobial proteins** , 2025 Apr 9

Authors Zhu X, Zhang X, Zhang Y, Li F

[Effects of combined prebiotic fiber supplementation and weight loss counseling in adults with metabolic dysfunction-associated steatotic liver disease: a randomized controlled trial.](#)

**European journal of nutrition** , Volume: 64 Issue: 4 2025 Apr 2

Authors Mayengbam S, Raman M, Parnell JA, Eksteen B, Lambert JE, Eler LK, Nicolucci AC, Aktary ML, Reimer RA

[Examining the potential prebiotic effect of almonds.](#)

**Journal of applied microbiology** , 2025 Mar 28

Authors Tahiri M, Gilbert JA

[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

[Maternal dietary inulin intake during late gestation and lactation ameliorates intestinal oxidative stress in piglets with the involvements of gut microbiota and bile acids metabolism.](#)

**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 20 2025 Mar

Authors Lu D, Feng C, Pi Y, Ye H, Wu Y, Huang B, Zhao J, Han D, Soede N, Wang J

[Intermittent fasting regulates gut microbiota and serum metabolome profiles in middle-aged mice fed high-fat diet.](#)

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

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

[Gut microbiota modulation and inflammation mitigation in a murine model through a hull-less and purple grain barley genotype.](#)

**Food & function** , 2025 Feb 25

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

[Carbon dioxide enhances Akkermansia muciniphila fitness and anti-obesity efficacy in high-fat diet mice.](#)

**The ISME journal** , 2025 Feb 23

Authors Wang X, Yang Q, Shi C, Wang Y, Guo D, Wan X, Dong P, Zhang Q, Hu Y, Zhang R, Yang H, Chen W, Liu Z

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

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

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

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

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

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

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

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

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

[Impact of cigarette smoking on gut microbial dysbiosis: a structured literature review.](#)

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

Authors Imade EE,Obayagbona NO

[Antimicrobial activities of seasonally collected bee products: honey, propolis, royal jelly, venom, and mellitin.](#)

**Brazilian journal of biology = Revista brasleira de biología** , Volume: 84 2024

Authors Obeidat M,Haddad MA,Ghnamat SA

[Clinical Efficacy of Probiotics for Allergic Rhinitis: Results of an Exploratory Randomized Controlled Trial.](#)

**Nutrients** , Volume: 16 Issue: 23 2024 Nov 30

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

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

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

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

[Wheat  \$\beta\$ -glucan reduces obesity and hyperlipidemia in mice with high-fat and high-salt diet by regulating intestinal flora.](#)

**International journal of biological macromolecules** , Volume: 288 2025 Feb

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

[Polysaccharides from Lycium barbarum, yam, and sunflower ameliorate colitis in a structure and intrinsic flora-dependent manner.](#)

**Carbohydrate polymers** , Volume: 349 Issue: Pt A 2025 Feb 1

Authors Zhang S,Zhou R,Xie X,Xiong S,Li L,Li Y

[Flaxseed Linusorb Alleviates Collagen-Induced Rheumatoid Arthritis in Rats via Inhibiting the TLR4/NF- \$\kappa\$ B/MAPK Signal Pathway and Modulating Gut Microbiota.](#)

**Journal of agricultural and food chemistry** , Volume: 72 Issue: 50 2024 Dec 18

Authors Li J,Chen J,Shao X,Zhang N,Wang Y,Li Y

[Altered interaction network in the gut microbiota of current cigarette smokers.](#)

**Engineering microbiology** , Volume: 4 Issue: 2 2024 Jun

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

[Effects of Lactiplantibacillus plantarum LM1215 on Candida albicans and Gardnerella vaginalis.](#)

**Yonsei medical journal** , Volume: 65 Issue: 12 2024 Dec

Authors Bae WY,Lee YJ,Jo S,Shin SL,Kim TR,Sohn M,Seol HJ

[The probiotic Lactobacillus plantarum alleviates colitis by modulating gut microflora to activate PPAR \$\gamma\$  and inhibit MAPKs/NF- \$\kappa\$ B.](#)

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

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

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

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

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

[Heat-Killed Lactobacillus paracasei SMB092 Reduces Halitosis by Stimulating the Expression of  \$\beta\$ -Defensins in Oral Keratinocytes.](#)

**Microorganisms** , Volume: 12 Issue: 11 2024 Oct 25

Authors Kim WJ,Jung G,Kim T,Kim J,Hurh BS,Kim H,Soung DY

[Probiotic-Loaded Bacterial Cellulose as an Alternative to Combat Carbapenem-Resistant Bacterial Infections.](#)

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

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

[Supplementation with inulin reverses cognitive flexibility alterations and modulates the gut microbiota in high-fat-fed mice.](#)

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

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

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

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

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

[Correlation between intestinal microbiota and urolithin metabolism in a human walnut dietary intervention.](#)

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

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

[Protective effect of a newly probiotic Lactobacillus reuteri LY2-2 on DSS-induced colitis.](#)

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

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

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

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

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

[Bacterial cellulose is a desirable biological macromolecule that can prevent obesity via modulating lipid metabolism and gut microbiota.](#)

**International journal of biological macromolecules** , Volume: 283 Issue: Pt 1 2024 Nov 12

Authors Han YH,Cui XW,Li YX,Chen X,Zhang H,Zhang Y,Wang SS,Li M

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

**The American journal of clinical nutrition** , 2024 Nov 11

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

[Oral administration of cranberry-derived exosomes attenuates murine premature ovarian failure in association with changes in the specific gut microbiota and diminution in ovarian granulosa cell PANoptosis.](#)

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

Authors Cui Z,Liu T,Wen Y,Li W,Xu J,Chen Y,Chen D,Zhu Y

[Intermittent Fasting Improves Insulin Resistance by Modulating the Gut Microbiota and Bile Acid Metabolism in Diet-Induced Obesity.](#)

**Molecular nutrition & food research** , 2024 Nov 9

Authors Lei S,Liu G,Wang S,Zong G,Zhang X,Pan L,Han J

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

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

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

[Protective effects of a lactobacilli mixture against Alzheimer's disease-like pathology triggered by Porphyromonas gingivalis.](#)

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

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

[A Novel Synbiotic Protects Against DSS-Induced Colitis in Mice via Anti-inflammatory and Microbiota-Balancing Properties.](#)

**Probiotics and antimicrobial proteins** , 2024 Nov 7

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

[Pediococcus pentosaceus RC007 and Saccharomyces boulardii RC009 as antibiotic alternatives for gut health in post-weaning pigs.](#)

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

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

[Effects of Lactobacillus spp. on Helicobacter pylori: A Promising Frontier in the Era of Antibiotic Resistance.](#)

**Probiotics and antimicrobial proteins** , 2024 Nov 5

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

[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

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

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

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

[Mechanistic insights into EGCG's preventive effects on obesity-induced precocious puberty through multi-omics analyses.](#)

**Food & function** , Volume: 15 Issue: 22 2024 Nov 11

Authors Gu Q,Du Q,Xia L,Lu X,Wan X,Shao Y,He J,Wu P

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

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

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

[Akkermansia muciniphila Growth Promoted by Lychee Major Flavonoid through Bacteroides uniformis Metabolism.](#)

**Journal of agricultural and food chemistry** , Volume: 72 Issue: 44 2024 Nov 6

*Authors Tang S,Xu C,Zhou Y,Shen Y,Zeng Q,Su D*

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

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

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

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

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

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

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

**Food & function** , 2024 Oct 11

*Authors Varada VV,Kumar S,Balağa S,Thanipilly AJ,Pushpadass HA,M RH,Jangir BL,Tyagi N,Samanta AK*

[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*

[Gastrointestinal microbiota and metabolites responses to dietary cereal grains in an adult pig model.](#)

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

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

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

**Probiotics and antimicrobial proteins** , 2024 Oct 1

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

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

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

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

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

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

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

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

**Biology** , Volume: 13 Issue: 9 2024 Aug 30

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

[Lactobacillus plantarum alleviates high-fat diet-induced obesity by altering the structure of mice intestinal microbial communities and serum metabolic profiles.](#)

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

*Authors Zhu J,Liu X,Liu N,Zhao R,Wang S*

[In vitro and ex vivo metabolism of chemically diverse fructans by bovine rumen Bifidobacterium and Lactobacillus species.](#)

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

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

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

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

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

[Effects of inulin on intestinal flora and metabolism-related indicators in obese polycystic ovary syndrome patients.](#)

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

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

[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*

[Green Tea Catechin Epigallocatechin Gallate Inhibits Vegetative Cell Outgrowth and Expression of Beta-Lactamase Genes in](#)

**Penicillin-Resistant Bacillus anthracis Strain PCr.****Pathogens (Basel, Switzerland) , Volume: 13 Issue: 8 2024 Aug 19**

Authors Okutani A,Morikawa S,Maeda K

Effect of Saccharomyces boulardii on Liver Diseases: A Systematic Review.**Microorganisms , Volume: 12 Issue: 8 2024 Aug 15**

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

In Vitro and In Silico Studies of the Antimicrobial Activity of Prenylated Phenylpropanoids of Green Propolis and Their Derivatives against Oral Bacteria.**Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 8 2024 Aug 22**

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

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

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

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

Role and mechanism of Lactobacillus casei in the modulation of alcohol preference in mice.**International immunopharmacology , Volume: 141 2024 Nov 15**

Authors Li Y,Yang J,Guo L

Epicatechin and  $\beta$ -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

Yeast mixture supplementation modulates faecal microbiota and ileum morphology of weaning pigs.**Animal : an international journal of animal bioscience , Volume: 18 Issue: 9 2024 Sep**

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

The effect of dietary supplementation of Lycium barbarum leaves on the growth performance, organ indexes and intestinal microflora of rats.**Frontiers in veterinary science , Volume: 11 2024**

Authors Guo Y,Liu J,Tuo Q,Zhang D,Wanapat M,Xin G

Propolis as a functional food and promising agent for oral health and microbiota balance: A review study.**Food science & nutrition , Volume: 12 Issue: 8 2024 Aug**

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

Effects of varying wheat levels on growth performance, intestinal barrier, and cecal microbiota of broilers.**Frontiers in veterinary science , Volume: 11 2024**

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

Preventive effect of Lactocaseibacillus paracasei LMT18-32 on Porphyromonas gingivalis induced periodontitis.**Food science and biotechnology , Volume: 33 Issue: 9 2024 Jul**

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

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

Effects of bacteriocin-producing Lactiplantibacillus plantarum on bacterial community and fermentation profile of whole-plant corn silage and its in vitro ruminal fermentation, microbiota, and CH<sub>4</sub> emissions.**Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Aug 7**

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

Postbiotics from Saccharomyces cerevisiae fermentation stabilize microbiota in rumen liquid digesta during grain-based subacute ruminal acidosis (SARA) in lactating dairy cows.**Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Aug 1**

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

The effect of the molecular weight of blackberry polysaccharides on gut microbiota modulation and hypoglycemic effect in vivo.**Food & function , Volume: 15 Issue: 16 2024 Aug 12**

Authors Xi L,Weibing X,Shuyong F,Sheng-Hua L,Xiong F,Chin-Ping T,Ping-Ping W,Zu-Man D,Chun C

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

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

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

[Probiotic Lactobacillus fermentum TSF331, Lactobacillus reuteri TSR332, and Lactobacillus plantarum TSP05 improved liver function and uric acid management-A pilot study.](#)

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

Authors Lin JH,Lin CH,Kuo YW,Liao CA,Chen JF,Tsai SY,Li CM,Hsu YC,Huang YY,Hsia KC,Yeh YT,Ho HH

[In vitro analysis of postbiotic antimicrobial activity against Candida Species in a minimal synthetic model simulating the gut mycobiota in obesity.](#)

**Scientific reports** , Volume: 14 Issue: 1 2024 Jul 21

Authors Garcia-Gamboa R,Perfecto-Avalos Y,Gonzalez-Garcia J,Alvarez-Calderon MJ,Gutierrez-Vilchis A,Garcia-Gonzalez A

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

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

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

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

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

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

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

**Food & function** , 2024 Jul 19

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

[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

[Barley polysaccharides inhibit colorectal cancer by two relatively independent pathways.](#)

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

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

[The Effect of the Lacticaseibacillus 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

[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

[Indole-3-Lactic Acid Derived from Lacticaseibacillus paracasei Inhibits Helicobacter pylori Infection via Destruction of Bacteria Cells, Protection of Gastric Mucosa Epithelial Cells, and Alleviation of Inflammation.](#)

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

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

[Lacticaseibacillus 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 Lacticaseibacillus casei LC2W Supplementation on Glucose Metabolism and Gut Microbiota in Subjects at High Risk of Metabolic Syndrome: A Randomized, Double-blinded, Placebo-controlled Clinical Trial.](#)

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

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

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

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

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

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

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

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

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

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

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

[Inclusion of Lacticaseibacillus 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, Ji W,Jung JY, Kim M,Kong C

[The Effects of Almond Consumption on Cardiovascular Health and Gut Microbiome: A Comprehensive Review.](#)

**Nutrients** , Volume: 16 Issue: 12 2024 Jun 20

**Authors** Singar S,Kadyan S,Patoine C,Park G,Arjmandi B,Nagpal R

[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

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

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

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

[Machine Learning Metabolomics Profiling of Dietary Interventions from a Six-Week Randomised Trial.](#)

**Metabolites** , Volume: 14 Issue: 6 2024 May 29

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

[Fasting-mimicking diet remodels gut microbiota and suppresses colorectal cancer progression.](#)

**NPJ biofilms and microbiomes** , Volume: 10 Issue: 1 2024 Jun 25

**Authors** Luo M,Wang Q,Sun Y,Jiang Y,Wang Q,Gu Y,Hu Z,Chen Q,Xu J,Chen S,Hou T,Feng L

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

**Meat science** , Volume: 216 2024 Oct

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

[Comparison of the Effects of Essential Oils from Cannabis sativa and Cannabis indica on Selected Bacteria, Rumen Fermentation, and Methane Production-In Vitro Study.](#)

**International journal of molecular sciences** , Volume: 25 Issue: 11 2024 May 28

**Authors** Tabis A,Szumny A,Bania J,Pacyga K,Lewandowska K,Kupczynski R

[Fasting-Induced Molting Impacts the Intestinal Health by Altering the Gut Microbiota.](#)

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

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

[The Effects of Crataegus pinnatifida and Wolfiporia extensa Combination on Diet-Induced Obesity and Gut Microbiota.](#)

**Foods (Basel, Switzerland)** , Volume: 13 Issue: 11 2024 May 24

**Authors** Yuan J,Hu Y,Yang D,Zhou A,Luo S,Xu N,Dong J,He Q,Zhang C,Zhang X, Ji Z,Li Q,Chu J

[Lactobacillus plantarum-Derived Extracellular Vesicles Modulate Macrophage Polarization and Gut Homeostasis for Alleviating Ulcerative Colitis.](#)

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

**Authors** Chen Q,Fang Z,Yang Z,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

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

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

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

[Saccharomyces boulardii combined with triple therapy alter the microbiota in the eradication of Helicobacter pylori infection.](#)

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

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

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

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

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

[Intervention with fructooligosaccharides, Saccharomyces boulardii, and their combination in a colitis mouse model.](#)

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

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

[Reduction in Serum Concentrations of Uremic Toxins Driven by Bifidobacterium Longum Subsp. Longum BL21 is Associated](#)

with Gut Microbiota Changes in a Rat Model of Chronic Kidney Disease.

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

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

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

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

**Nutrients** , Volume: 16 Issue: 10 2024 May 15

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

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

Lycium barbarum polysaccharide remodels colon inflammatory microenvironment and improves gut health.

**Heliyon** , Volume: 10 Issue: 10 2024 May 30

Authors Li R,Yang P,Liu B,Ye Z,Zhang P,Li M,Gong Y,Huang Y,Yang L,Li M

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

Daily intake of baru (Dipteryx alata Vog.), a Cerrado native almond, promotes changes in the intestinal microbiota of individuals with obesity: A pilot study.

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

Authors Campos SB,Oliveira Filho JG,Santos DCD,Egea MB

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

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

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

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

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

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

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

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

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

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

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

Authors Visuthranukul C,Leelahavanichkul A,Tepaamorndech S,Chamni S,Mekangkul E,Chomtho S

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

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

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

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

Antimicrobial Properties of Aloe vera Ethanol Extract as a Denture Disinfectant: An In Vitro Study.

**Cureus** , Volume: 16 Issue: 5 2024 May

Authors Salim RH,Salloum AM,Alsalameh SA,Khazem MIR,Hajeer MY

The effect of intermittent fasting on microbiota as a therapeutic approach in obesity.

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

Authors Cadena-Ullauri S,Guevara-Ramírez P,Ruiz-Pozo VA,Tamayo-Trujillo R,Paz-Cruz E,Zambrano-Villacres R,Simancas-Racines D,Zambrano AK

[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

[Differential alteration in Lactiplantibacillus plantarum subsp. plantarum quorum-sensing systems and reduced Candida albicans yeast survival and virulence gene expression in dual-species interaction.](#)

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

Authors Xu Z,Li Y,Xu A,Xue L,Soteyome T,Yuan L,Ma Q,Seneviratne G,Hong W,Mao Y,Kjellerup BV,Liu J

[A consortium of Hordeum vulgare and gut microbiota against non-alcoholic fatty liver disease via data-driven analysis.](#)

**Artificial cells, nanomedicine, and biotechnology** , Volume: 52 Issue: 1 2024 Dec

Authors Lee SB,Gupta H,Min BH,Ganesan R,Sharma SP,Won SM,Jeong JJ,Cha MG,Kwon GH,Jeong MK,Hyun JY,Eom JA,Park HJ,Yoon SJ,Lee SY,Choi MR,Kim DJ,Oh KK,Suk KT

[Beneficial Effects of Dietary Fiber in Young Barley Leaf on Gut Microbiota and Immunity in Mice.](#)

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

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

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

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

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

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

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

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

[Inulin has a beneficial effect by modulating the intestinal microbiome in a BALB/c mouse model.](#)

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

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

[Antianging 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

[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

[Tea Polyphenol Epigallocatechin Gallate Protects Against Nonalcoholic Fatty Liver Disease and Associated Endotoxemia in Rats via Modulating Gut Microbiota Dysbiosis and Alleviating Intestinal Barrier Dysfunction and Related Inflammation.](#)

**Journal of agricultural and food chemistry** , 2024 Apr 12

Authors Zuo G,Chen M,Zuo Y,Liu F,Yang Y,Li J,Zhou X,Li M,Huang JA,Liu Z,Lin Y

[Lactocaseibacillusparacasei BNCC345679 revolutionizes DSS-induced colitis and modulates gut microbiota.](#)

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

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

[A study on the treatment effects of Crataegus pinnatifida polysaccharide on non-alcoholic fatty liver in mice by modulating gut microbiota.](#)

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

Authors Hao P,Yang X,Yin W,Wang X,Ling Y,Zhu M,Yu Y,Chen S,Yuan Y,Quan X,Xu Z,Zhang J,Zhao W,Zhang Y,Song C,Xu Q,Qin S,Wu Y,Shu X,Wei K

[Bacillus coagulans regulates gut microbiota and ameliorates the alcoholic-associated liver disease in mice.](#)

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

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

[Effects of Bacillus coagulans TBC169 on gut microbiota and metabolites in gynecological laparoscopy patients.](#)

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

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

[Effect of inulin, galacto-oligosaccharides, and polyphenols on the gut microbiota, with a focus on Akkermansia muciniphila.](#)

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

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

[Protective effect of cellulose and soluble dietary fiber from Saccharina japonica by-products on regulating inflammatory responses, gut microbiota, and SCFAs production in colitis mice.](#)

**International journal of biological macromolecules** , 2024 Apr 3

Authors Cao J,Qin L,Zhang L,Wang K,Yao M,Qu C,Miao J

[Fasting mimicking diet extends lifespan and improves intestinal and cognitive health.](#)

**Food & function** , Volume: 15 Issue: 8 2024 Apr 22

Authors Wang Q,Xu J,Luo M,Jiang Y,Gu Y,Wang Q,He J,Sun Y,Lin Y,Feng L,Chen S,Hou T

[Effects of inulin on fecal microbiota and specific immunity in cats.](#)

**Research in veterinary science** , Volume: 172 2024 Jun

Authors Liang SK,Wang JQ,Han B

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

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

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

[Potential Phytotherapy of DSS-Induced Colitis: Ameliorating Reactive Oxygen Species-Mediated Necroptosis and Gut Dysbiosis with a New Crataegus pinnatifida Bunge Variety-Daehong.](#)

**Antioxidants (Basel, Switzerland)** , Volume: 13 Issue: 3 2024 Mar 12

Authors Lee KI,Jo Y,Yuk HJ,Kim SY,Kim H,Kim HJ,Hwang SK,Park KS

[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

[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

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

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

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

[Anti-inflammatory probiotics HF05 and HF06 synergistically alleviate ulcerative colitis and secondary liver injury.](#)

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

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

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

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

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

[Bifidobacterium longum GL001 alleviates rat intestinal ischemia-reperfusion injury by modulating gut microbiota composition and intestinal tissue metabolism.](#)

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

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

[Prebiotic inulin ameliorates SARS-CoV-2 infection in hamsters by modulating the gut microbiome.](#)

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

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

[Targeting Gut Microbiome With Prebiotic in Patients With CKD: The TarGut-CKD Study.](#)

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

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

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

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

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

[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

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

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

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

[Lycium barbarum L. Balanced intestinal flora with YAP1/FXR activation in drug-induced liver injury.](#)

**International immunopharmacology** , Volume: 130 2024 Mar 30

Authors Lu J,Gao Y,Gong Y,Yue Y,Yang Y,Xiong Y,Zhang Y,Xiao Y,Wang H,Fan H,Shi X

[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,Honwichit O,Funnuam T,Charoensiddhi S,Nitisingprasert S,Nielsen DS,Nakphaichit M

[Neuroprotective effects of probiotics on anxiety- and depression-like disorders in stressed mice by modulating tryptophan metabolism and the gut microbiota.](#)

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

Authors Jia L,Xiao L,Fu Y,Shao Z,Jing Z,Yuan J,Xie Y,Guo J,Wang Y,Geng W

[In vitro human gut microbiota fermentation of litchi pulp polysaccharides as affected by Lactobacillus pre-treatment.](#)

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

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

[Specific Antimicrobial Activities Revealed by Comparative Evaluation of Selected Gemmotherapy Extracts.](#)

**Antibiotics (Basel, Switzerland)** , Volume: 13 Issue: 2 2024 Feb 13

Authors Héjja M,Mihok E,Alaya A,Jolji M,György É,Meszaros N,Turcus V,Oláh NK,Máthé E

[Human gut microbiota fermentation of cooked eggplant, garlic, and onion supports distinct microbial communities.](#)

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

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

[Integrating fecal metabolomics and intestinal microbiota to study the mechanism of cannabidiol in the treatment of idiopathic pulmonary fibrosis.](#)

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

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

[Lactocaseibacillus 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 Lactocaseibacillus paracasei NSM156 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

[Perinatal Use of Citrulline Rescues Hypertension in Adult Male Offspring Born to Pregnant Uremic Rats.](#)

**International journal of molecular sciences** , Volume: 25 Issue: 3 2024 Jan 28

Authors Tain YL,Hou CY,Chang-Chien GP,Lin S,Hsu CN

[Effects of Oat  \$\beta\$ -Glucan and Inulin on Alleviation of Nonalcoholic Steatohepatitis Aggravated by Circadian Disruption in C57BL/6J Mice.](#)

**Journal of agricultural and food chemistry** , Volume: 72 Issue: 7 2024 Feb 21

Authors Kei N,Cheung KK,Ma KL,Yau TK,Lau S,Wong VWS,You L,Cheung PCK

[Antibacterial activity of plant-derived compounds and cream formulations against canine skin bacteria.](#)

**Veterinary research communications** , 2024 Feb 7

Authors Strompfová V,Štempelová L,Wolaschka T

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

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

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

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

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

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

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

**Microorganisms** , Volume: 12 Issue: 1 2024 Jan 2

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

Flaxseed Lignan Alleviates the Paracetamol-Induced Hepatotoxicity Associated with Regulation of Gut Microbiota and Serum Metabolome.

**Nutrients** , Volume: 16 Issue: 2 2024 Jan 18

*Authors Ren Y,Xu Z,Qiao Z,Wang X,Yang C*

Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF- $\kappa$ B Inflammation Pathways and Regulating Intestinal Microbiota.

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

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

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

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

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

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

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

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

Effect of Lactobacillus plantarum ZFM4 in Helicobacter pylori-infected C57BL/6 mice: prevention is better than cure.

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

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

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*

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

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

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

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

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

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

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

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

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

Safety Assessment and Probiotic Potential Comparison of Bifidobacterium longum subsp. infantis BLI-02, Lactobacillus plantarum LPL28, Lactobacillus acidophilus TYCA06, and Lactobacillus paracasei ET-66.

**Nutrients** , Volume: 16 Issue: 1 2023 Dec 29

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

Highland barley  $\beta$ -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*

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*

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

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

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

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

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

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

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

Chemoprofiling and antimicrobial activity of medicinal herbs used in the treatment of inflammatory bowel disease.

**Cellular and molecular biology (Noisy-le-Grand, France)** , Volume: 69 Issue: 13 2023 Dec 10

Authors Alshahrani A,Ali A,Abdelwahab SF

Antifungal Effect of Probiotic Lactobacillus casei on Drug-Resistant Oral Candida albicans Isolated from Patients with Hematological Malignancy: an in vitro Study.

**Journal of dentistry (Shiraz, Iran)** , Volume: 24 Issue: 4 2023 Dec

Authors Sharifzadeh SS,Lotfali E,Lesan S,Farrokhnia T

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

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

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

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

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

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

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

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

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

Lycium barbarum polysaccharide alleviates DSS-induced chronic ulcerative colitis by restoring intestinal barrier function and modulating gut microbiota.

**Annals of medicine** , Volume: 55 Issue: 2 2023

Authors Li ZY,Lin LH,Liang HJ,Li YQ,Zhao FQ,Sun TY,Liu ZY,Zhu JY,Gu F,Xu JN,Hao QY,Zhou DS,Zhai HH

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,Ellero-Simatos S,Jolivet-Gougeon A

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

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

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

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

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

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

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

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

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

Cannabis and Endometriosis: The Roles of the Gut Microbiota and the Endocannabinoid System.**Journal of clinical medicine , Volume: 12 Issue: 22 2023 Nov 13**

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

Lactobacillus paracasei Relieves Constipation by Acting on the Acetic Acid-5-HT-Intestinal Motility Pathway.**Foods (Basel, Switzerland) , Volume: 12 Issue: 22 2023 Nov 20**

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

Mouse intestinal microbiome modulation by oral administration of a GABA-producing Bifidobacterium adolescentis strain.**Microbiology spectrum , Volume: 12 Issue: 1 2024 Jan 11**

Authors Tamés H,Sabater C,Royo F,Margolles A,Falcón JM,Ruas-Madiedo P,Ruiz L

Lactobacillus plantarum Zhang-LL Inhibits Colitis-Related Tumorigenesis by Regulating Arachidonic Acid Metabolism and CD22-Mediated B-Cell Receptor Regulation.**Nutrients , Volume: 15 Issue: 21 2023 Oct 25**

Authors Zhu J,Liu W,Bian Z,Ma Y,Kang Z,Jin J,Li X,Ge S,Hao Y,Zhang H,Xie Y

Epigallocatechin gallate alleviates osteoporosis by regulating the gut microbiota and serum metabolites in rats.**Food & function , Volume: 14 Issue: 23 2023 Nov 27**

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

Wolfberry, Yam, and Chrysanthemum polysaccharides increased intestinal Akkermansia muciniphila abundance and hepatic YAP1 expression to alleviate DILI.**FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 37 Issue: 12 2023 Dec**

Authors Lu J,Gong Y,Gao Y,Yang Y,Zhang Y,Zhang Z,Shi X

Inulin prebiotic ameliorates type 1 diabetes dictating regulatory T cell homing via CCR4 to pancreatic islets and butyrogenic gut microbiota in murine model.**Journal of leukocyte biology , Volume: 115 Issue: 3 2024 Feb 23**

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

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

Bifidobacterium longum subsp. longum BL21 Ameliorates Alcoholic Liver Disease in Mice Through Enhancement of the Hepatic Antioxidant Capacity and Modulation of the Gut Microbiota.**Journal of applied microbiology , 2023 Oct 31**

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

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

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

Clostridium butyricum and Clostridium tyrobutyricum: angel or devil for necrotizing enterocolitis?**mSystems , 2023 Nov 3**

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

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

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

Promoting intestinal antimicrobial defense and microbiome symbiosis contributes to IL-22-mediated protection against alcoholic hepatitis in mice.**Frontiers in immunology , Volume: 14 2023**

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

Modulation of the Gut Microbiota by the Plantaricin-Producing Lactiplantibacillus plantarum D13, Analysed in the DSS-Induced Colitis Mouse Model.**International journal of molecular sciences , Volume: 24 Issue: 20 2023 Oct 18**

Authors Butorac K,Novak J,Banic M,Leboš Pavunc A,Culjak N,Oršolic N,Odeh D,Perica J,Šuškovac J,Kos B

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

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

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

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

Lychee Pulp-Derived Dietary Fiber-Bound Phenolic Complex Upregulates the SCFAs-GPRs-ENS Pathway and Aquaporins in Loperamide-Induced Constipated Mice by Reshaping Gut Microbiome.

**Journal of agricultural and food chemistry** , Volume: 71 Issue: 41 2023 Oct 18

*Authors* Dong L,Xu Z,Huang G,Zhang R,Deng M,Huang F,Su D

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

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

*Authors* Li X,Wang L

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

**Neoplasma** , Volume: 70 Issue: 4 2023 Aug

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

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

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

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

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

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

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

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

Quality control, phytochemical profile, and biological activities of Crataegus monogyna Jacq. and Crataegus laciniata Ucria fruits aqueous extracts.

**Saudi pharmaceutical journal : SPJ : the official publication of the Saudi Pharmaceutical Society** , Volume: 31 Issue: 10 2023 Oct

*Authors* Zahrae Radi F,Bencheikh N,Anarghou H,Bouhrim M,Alqahtani AS,Hawwal MF,Noman OM,Bnouham M,Zair T

Effects of Ramadan intermittent fasting on gut microbiome: is the diet key?

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

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

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

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

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

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

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

*Authors* Choi YH,Kim BS,Kang SS

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

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

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

Microbial modifications with Lycium barbarum L. oligosaccharides decrease hepatic fibrosis and mitochondrial

abnormalities in mice.

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

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

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

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

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

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

**Food & function , 2023 Sep 1**

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

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

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

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

Immunomodulatory effects of inulin and its intestinal metabolites.

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

*Authors Sheng W, Ji G,Zhang L*

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

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

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

Dietary Flaxseed and Flaxseed Oil Differentially Modulate Aspects of the Microbiota Gut-Brain Axis Following an Acute Lipopolysaccharide Challenge in Male C57Bl/6 Mice.

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

*Authors Livingston DBH,Sweet A,Rodrigue A,Kishore L,Loftus J,Ghali F,Mahmoodianfard S,Celton C,Hosseini F,Power KA*

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*

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

**Helicobacter , Volume: 28 Issue: 6 2023 Dec**

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

Effects of dietary L-Citrulline supplementation on growth performance, meat quality, and fecal microbial composition in finishing pigs.

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

*Authors Du J,Gan M,Xie Z,Zhou C,Jing Y,Li M,Liu C,Wang M,Dai H,Huang Z,Chen L,Zhao Y,Niu L,Wang Y,Zhang S,Guo Z,Shen L,Zhu L*

Protective Effect of Long-Term Fermented Soybeans with Abundant Bacillus subtilis on Glucose and Bone Metabolism and Memory Function in Ovariectomized Rats: Modulation of the Gut Microbiota.

**Foods (Basel, Switzerland) , Volume: 12 Issue: 15 2023 Aug 4**

*Authors Yang HJ,Zhang T,Yue Y,Jeong SJ,Ryu MS,Wu X,Li C,Jeong DY,Park S*

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

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

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

The effects of time-restricted eating and Ramadan fasting on gut microbiota composition: a systematic review of human and animal studies.

**Nutrition reviews , Volume: 82 Issue: 6 2024 May 10**

*Authors Pieczynska-Zajac JM,Malinowska A,Lagowska K,Leciejewska N,Bajerska J*

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

**Nutrients , Volume: 15 Issue: 14 2023 Jul 24**

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

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

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

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

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

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

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

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

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

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

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

**Food & function** , 2023 Jul 14

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

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

**Heliyon** , Volume: 9 Issue: 7 2023 Jul

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

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,Penumutchu S,Belenky P*

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

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

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

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

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

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

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

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

*Authors Wu Z,Zuo X,Wang X,Shi M,Zhu H,Cao C,Liu X,Liang W,Yao Y,Wang L*

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

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

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

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*

Phyto-Inhibitory and Antimicrobial Activity of Brown Propolis from Romania.

**Antibiotics (Basel, Switzerland)** , Volume: 12 Issue: 6 2023 Jun 5

*Authors Vica ML,Glevitzky M,Heghedus-Mindru RC,Dumitrel GA,Heghedus-Mindru G,Popa M,Faur DM,Bălăci ?,Teodoru CA*

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*

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

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

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

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

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

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

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

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

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

Lactobacillus casei and Its Supplement Alleviate Stress-Induced Depression and Anxiety in Mice by the Regulation of BDNF Expression and NF- $\kappa$ B Activation.

**Nutrients** , Volume: 15 Issue: 11 2023 May 26

Authors Ma X,Shin YJ,Park HS,Jeong JW,Kim JY,Shim JJ,Lee JL,Kim DH

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

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

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

Bacillus coagulans (Weizmannia coagulans) XY2 attenuates Cu-induced oxidative stress via DAF-16/FoxO and SKN-1/Nrf2 pathways and gut microbiota regulation.

**Journal of hazardous materials** , Volume: 457 2023 Sep 5

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

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

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

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

Bifidobacterium bifidum E3 Combined with Bifidobacterium longum subsp. infantis E4 Improves LPS-Induced Intestinal Injury by Inhibiting the TLR4/NF- $\kappa$ B and MAPK Signaling Pathways In Vivo.

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

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

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

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

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

Dietary Lactobacillus reuteri SL001 Improves Growth Performance, Health-Related Parameters, Intestinal Morphology and Microbiota of Broiler Chickens.

**Animals : an open access journal from MDPI** , Volume: 13 Issue: 10 2023 May 19

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

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

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

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

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

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

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

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

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

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

The Impact of Smoking on Microbiota: A Narrative Review.

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

Authors Cicchinelli S,Rosa F,Manca F,Zanza C,Ojetti V,Covino M,Candelli M,Gasbarrini A,Franceschi F,Piccioni A

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

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

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

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

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

Authors Vimom S,Angkanaporn K,Nuengjamnong C

Cross-talks between gut microbiota and tobacco smoking: a two-sample Mendelian randomization study.

**BMC medicine** , Volume: 21 Issue: 1 2023 Apr 28

Authors Fan J,Zhou Y,Meng R,Tang J,Zhu J,Aldrich MC,Cox NJ,Zhu Y,Li Y,Zhou D

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

Anti-Obesity Effects of Dietary Fibers Extracted from Flaxseed Cake in Diet-Induced Obese Mice.

**Nutrients** , Volume: 15 Issue: 7 2023 Mar 31

Authors Zhao M,Wang B,Li L,Zhao W

Dried Fruits: Bioactives, Effects on Gut Microbiota, and Possible Health Benefits-An Update.

**Nutrients** , Volume: 15 Issue: 7 2023 Mar 26

Authors Alasalvar C,Chang SK,Kris-Etherton PM,Sullivan VK,Petersen KS,Guasch-Ferré M,Jenkins DJA

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

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

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

Neuroprotective Effects of Lactobacillus plantarum PS128 in a Mouse Model of Parkinson's Disease: The Role of Gut Microbiota and MicroRNAs.

**International journal of molecular sciences** , Volume: 24 Issue: 7 2023 Apr 5

Authors Lee YZ,Cheng SH,Chang MY,Lin YF,Wu CC,Tsai YC

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

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

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

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

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

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

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

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

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

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

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

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

Improvement of Estrogen Deficiency Symptoms by the Intake of Long-Term Fermented Soybeans (Doenjang) Rich in Bacillus Species through Modulating Gut Microbiota in Estrogen-Deficient Rats.

**Foods (Basel, Switzerland)** , Volume: 12 Issue: 6 2023 Mar 8

Authors Zhang T,Yue Y,Jeong SJ,Ryu MS,Wu X,Yang HJ,Li C,Jeong DY,Park S

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

Ethanol extract of propolis regulates type 2 diabetes in mice via metabolism and gut microbiota.

**Journal of ethnopharmacology** , Volume: 310 2023 Jun 28

Authors Guan R,Ma N,Liu G,Wu Q,Su S,Wang J,Geng Y

Gut microbiota mediates the anti-obesity effect of intermittent fasting by inhibiting intestinal lipid absorption.

**The Journal of nutritional biochemistry** , Volume: 116 2023 Jun

Authors Yang H,Li C,Che M,Li Y,Feng R,Sun C

Characterization of procyanidin extracts from hawthorn (Crataegus pinnatifida) in human colorectal adenocarcinoma cell line Caco-2, simulated Digestion, and fermentation identified unique and novel prebiotic properties.

**Food research international (Ottawa, Ont.)** , Volume: 165 2023 Mar

Authors Han X,Zhou Q,Gao Z,Bianca Xu G,Chen H,Chitrakar B,Sun Y,Zhao W,Lin X,Zhou K,Zhang Z

[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

[Goji berry leaf exerts a comparable effect against colitis and microbiota dysbiosis to its fruit in dextran-sulfate-sodium-treated mice.](#)

**Food & function** , Volume: 14 Issue: 7 2023 Apr 3

Authors Yu C,Chen Y,Ahmadi S,Wu D,Wu J,Ding T,Liu D,Ye X,Chen S,Pan H

[Dietary Bacillus licheniformis shapes the foregut microbiota, improving nutrient digestibility and intestinal health in broiler chickens.](#)

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

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

[Dietary Supplementation with Probiotic Bacillus licheniformis S6 Improves Intestinal Integrity via Modulating Intestinal Barrier Function and Microbial Diversity in Weaned Piglets.](#)

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

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

[Intestinal microbial composition changes induced by Lactobacillus plantarum GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.](#)

**Journal of animal science and technology** , Volume: 64 Issue: 6 2022 Nov

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

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

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

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

[Taiwanese green propolis ameliorates metabolic syndrome via remodeling of white adipose tissue and modulation of gut microbiota in diet-induced obese mice.](#)

**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 160 2023 Apr

Authors Chien YH,Yu YH,Chen YW

[Microbiome Alterations in Alcohol Use Disorder and Alcoholic Liver Disease.](#)

**International journal of molecular sciences** , Volume: 24 Issue: 3 2023 Jan 27

Authors Litwinowicz K,Gamian A

[Lactocaseibacillus casei T1 attenuates Helicobacter pylori-induced inflammation and gut microbiota disorders in mice.](#)

**BMC microbiology** , Volume: 23 Issue: 1 2023 Feb 11

Authors Yu Z,Cao M,Peng J,Wu D,Li S,Wu C,Qing L,Zhang A,Wang W,Huang M,Zhao J

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

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

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

[A diet enriched in omega-3 PUFA and inulin prevents type 1 diabetes by restoring gut barrier integrity and immune homeostasis in NOD mice.](#)

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

Authors Lo Conte M,Antonini Cencicchio M,Ulaszewska M,Nobili A,Cosorich I,Ferrarese R,Massimino L,Andolfo A,Ungaro F,Mancini N,Falcone M

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

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

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

[Beneficial metabolic transformations and prebiotic potential of hemp bran and its alcalase hydrolysate, after colonic fermentation in a gut model.](#)

**Scientific reports** , Volume: 13 Issue: 1 2023 Jan 27

Authors Nissen L,Casciano F,Babini E,Gianotti A

[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

[Amelioration of cognitive impairment using epigallocatechin-3-gallate in ovariectomized mice fed a high-fat diet involves](#)

remodeling with Prevotella and Bifidobacteriales.

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

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

Red and White Meat Intake in Relation to Gut Flora in Obese and Non-Obese Arab Females.

**Foods (Basel, Switzerland)** , Volume: 12 Issue: 2 2023 Jan 5

Authors Almajed J,Al-Musharaf S,Abudawood M,Sabico S,Aljazairy EA,Aljuraiban GS

Camellia oil (Camellia oleifera Abel.) treatment improves high-fat diet-induced atherosclerosis in apolipoprotein E (ApoE)(-/-) mice.

**Bioscience of microbiota, food and health** , Volume: 42 Issue: 1 2023

Authors Huang T,Jiang J,Cao Y,Huang J,Zhang F,Cui G

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

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

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

High-fat diet promotes the effect of fructo-oligosaccharides on the colonic luminal environment, including alkaline phosphatase activity in rats.

**Nutrition research (New York, N.Y.)** , Volume: 110 2023 Feb

Authors Okazaki Y,Katayama T

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Effects of highland barley  $\beta$ -glucan on blood glucose and gut microbiota in streptozotocin-induced, diabetic, C57BL/6 mice

on a high-fat diet.

**Nutrition (Burbank, Los Angeles County, Calif.)** , Volume: 107 2023 Mar

Authors Zang Y,Liu J,Zhai A,Wu K,Chuang Y,Ge Y,Wang C

Wolfberry enhanced the abundance of Akkermansia muciniphila by YAP1 in mice with acetaminophen-induced liver injury.

**FASEB journal : official publication of the Federation of American Societies for Experimental Biology** , Volume: 37

Issue: 1 2023 Jan

Authors Liu Y,Xue Y,Zhang Z, Ji J,Li C,Zheng K,Lu J,Gao Y,Gong Y,Zhang Y,Shi X

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

Effects of Omega-3-Rich Pork Lard on Serum Lipid Profile and Gut Microbiome in C57BL/6NJ Mice.

**International journal of food science** , Volume: 2022 2022

Authors Koontanatechanon A,Wongphatcharachai M,Nonthabenjawan N,Jariyahatthakij P,Khorporn T,Parnsen W,Keattisin B,Leksrisompong P,Srichana P,Prasopdee S,Roytrakul S,Sriyakul K,Thitapakorn V,Pawa KK

Polysaccharides from red kidney bean alleviating hyperglycemia and hyperlipidemia in type 2 diabetic rats via gut microbiota and lipid metabolic modulation.

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

Authors Bai Z,Huang X,Wu G,Ye H,Huang W,Nie Q,Chen H,Yin J,Chen Y,Nie S

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

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

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

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

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

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

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

The Effects of Dietary Bacillus amyloliquefaciens TL106 Supplementation, as an Alternative to Antibiotics, on Growth Performance, Intestinal Immunity, Epithelial Barrier Integrity, and Intestinal Microbiota in Broilers.

**Animals : an open access journal from MDPI** , Volume: 12 Issue: 22 2022 Nov 9

Authors Bao C,Zhang W,Wang J,Liu Y,Cao H,Li F,Liu S,Shang Z,Cao Y,Dong B

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Diets enriched with finely ground wheat bran alter digesta passage rate and composition of the gut microbiome in sows.

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

Authors Wang Z,Wang W,Xu S,Ding J,Zeng X,Liu H,Wang F

Hawthorn flavonoid ameliorates cognitive deficit in mice with Alzheimer's disease by increasing the levels of Bifidobacteriales in gut microbiota and docosapentaenoic acid in serum metabolites.

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

Authors Zhang J,Hao J,Liu R,Wu T,Liu R,Sui W,Zhang M

[Plant-Derived Lactobacillus paracasei UH-SONE68 Improves the Gut Microbiota Associated with Hepatic Disorders: A Randomized, Double-Blind, and Placebo-Controlled Clinical Trial.](#)

**Nutrients** , Volume: 14 Issue: 21 2022 Oct 26

Authors Danshiitsoodol N,Noda M,Kanno K,Uchida T,Sugiyama M

[Postbiotics Prepared Using Lactobacillus paracasei CCFM1224 Prevent Nonalcoholic Fatty Liver Disease by Modulating the Gut Microbiota and Liver Metabolism.](#)

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

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

[Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.](#)

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

Authors Lee KS, Kim ES

[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

[Influence of Flax Seeds on the Gut Microbiota of Elderly Patients with Constipation.](#)

**Journal of multidisciplinary healthcare** , Volume: 15 2022

Authors Ma J,Sun J,Bai H, Ma H,Wang K,Wang J,Yu X,Pan Y,Yao J

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

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

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

[Hemp seed significantly modulates the endocannabinoidome and produces beneficial metabolic effects with improved intestinal barrier function and decreased inflammation in mice under a high-fat, high-sucrose diet as compared with linseed.](#)

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

Authors Ben Necib R,Manca C,Lacroix S,Martin C,Flamand N,Di Marzo V,Silvestri C

[The polysaccharides from the fruits of Lycium barbarum L. modify the gut community profile and alleviate dextran sulfate sodium-induced colitis in mice.](#)

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

Authors Zhou W,Kan X,Chen G,Sun Y,Ran L,Yan Y,Mi J,Lu L,Zeng X,Cao Y

[Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF- \$\kappa\$ B pathway mediated by gut microbiota disturbance in obese dogs.](#)

**Research in veterinary science** , Volume: 152 2022 Dec 20

Authors Lu J,Zhu D,Lu J,Liu J,Wu Z,Liu L

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

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

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

[Comparative Analysis of the Gut Microbiota in Mice under Lard or Vegetable Blend Oil Diet.](#)

**Journal of oleo science** , Volume: 71 Issue: 11 2022 Oct 28

Authors Qiao B,Li X,Wu Y,Guo T,Tan Z

[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

[Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.](#)

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

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

[Litchi thaumatin-like protein induced the liver inflammation and altered the gut microbiota community structure in mice.](#)

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

Authors Wang K,Li W,Wang K,Du B,Hu Z,Zhao L

[Brazilian green propolis improves gut microbiota dysbiosis and protects against sarcopenic obesity.](#)

**Journal of cachexia, sarcopenia and muscle** , Volume: 13 Issue: 6 2022 Dec

Authors Okamura T,Hamaguchi M,Bamba R,Nakajima H,Yoshimura Y,Kimura T,Hashimoto Y,Majima S,Senmaru T,Ushigome

- E,Nakanishi N,Asano M,Yamazaki M,Nishimoto Y,Yamada T,Fujikura C,Asama T,Okumura N,Takakuwa H,Sasano R,Fukui M*  
Supplemental Clostridium butyricum MIYAIRI 588 Affects Intestinal Bacterial Composition of Finishing Pigs.  
**Microbes and environments** , Volume: 37 Issue: 3 2022  
*Authors Hirata M,Matsuoka M,Hashimoto T,Oura T,Ohnuki Y,Yoshida C,Minemura A,Miura D,Oka K,Takahashi M,Morimatsu F*  
(-)Epicatechin mitigates anxiety-related behavior in a mouse model of high fat diet-induced obesity.
- The Journal of nutritional biochemistry** , Volume: 110 2022 Dec  
*Authors Kang J,Wang Z,Cremonini E,Le Gall G,Pontifex MG,Muller M,Vauzour D,Oteiza PI*  
Epigallocatechin-3-Gallate Improves Intestinal Gut Microbiota Homeostasis and Ameliorates Clostridioides difficile Infection.  
**Nutrients** , Volume: 14 Issue: 18 2022 Sep 11  
*Authors Wu Z,Shen J,Xu Q,Xiang Q,Chen Y,Lv L,Zheng B,Wang Q,Wang S,Li L*  
Lactobacillus plantarum ST-III modulates abnormal behavior and gut microbiota in a mouse model of autism spectrum disorder.
- Physiology & behavior** , Volume: 257 2022 Dec 1  
*Authors Guo M,Li R,Wang Y,Ma S,Zhang Y,Li S,Zhang H,Liu Z,You C,Zheng H*  
Variation in characterization and probiotic activities of polysaccharides from litchi pulp fermented for different times.
- Frontiers in nutrition** , Volume: 9 2022  
*Authors He C,Zhang R,Jia X,Dong L,Ma Q,Zhao D,Sun Z,Zhang M,Huang F*  
Quercetin positively affects gene expression profiles and metabolic pathway of antibiotic-treated mouse gut microbiota.
- Frontiers in microbiology** , Volume: 13 2022  
*Authors Mi W,Hu Z,Xu L,Bian X,Lian W,Yin S,Zhao S,Gao W,Guo C,Shi T*  
Intermittent fasting positively modulates human gut microbial diversity and ameliorates blood lipid profile.
- Frontiers in microbiology** , Volume: 13 2022  
*Authors Khan MN,Khan SI,Rana MI,Ayyaz A,Khan MY,Imran M*  
Intermittent fasting positively modulates human gut microbial diversity and ameliorates blood lipid profile.
- Frontiers in microbiology** , Volume: 13 2022  
*Authors Khan MN,Khan SI,Rana MI,Ayyaz A,Khan MY,Imran M*  
The antidiabetic effects of Bifidobacterium longum subsp. longum BL21 through regulating gut microbiota structure in type 2 diabetic mice.
- Food & function** , Volume: 13 Issue: 19 2022 Oct 3  
*Authors Hao J,Zhang Y,Wu T,Liu R,Sui W,Zhu J,Fang S,Geng J,Zhang M*  
Effects of Bacillus subtilis natto JLCC513 on gut microbiota and intestinal barrier function in obese rats.
- Journal of applied microbiology** , Volume: 133 Issue: 6 2022 Dec  
*Authors Sun R,Niu H,Sun M,Miao X,Jin X,Xu X,Yanping C,Mei H,Wang J,Da L,Su Y*  
Different effects of Bacillus coagulans vegetative cells and spore isolates on constipation-induced gut microbiota dysbiosis in mice.
- Food & function** , Volume: 13 Issue: 18 2022 Sep 22  
*Authors Li L,Liu B,Cao J,Zhang H,Tian F,Yu L,Chen W,Zhai Q*  
Selenium-enriched Bifidobacterium longum DD98 effectively ameliorates dextran sulfate sodium-induced ulcerative colitis in mice.
- Frontiers in microbiology** , Volume: 13 2022  
*Authors Hu Y,Jin X,Gao F,Lin T,Zhu H,Hou X,Yin Y,Kan S,Chen D*  
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*  
Reuterin Isolated from Lactobacillus reuteri Indonesian Strain Affected Interleukin-8 and Human Beta Defensin-2 on Pathogens Induced-HaCat Cells.
- Tropical life sciences research** , Volume: 33 Issue: 2 2022 Jul  
*Authors Widyarman AS,Bachtar BM,Bahctiar EW*  
Antimicrobial Properties of Acrylic Resin Incorporated with Propolis Nanoparticles.
- Frontiers in dentistry** , Volume: 18 2021  
*Authors Arab S,Bahador A,Sodagar A,Pourhajibagher M,Akhavan A,Hafith AN,Pornamazeh T*  
Modified highland barley regulates lipid metabolism, liver inflammation and gut microbiota in high-fat/cholesterol diet mice as revealed by LC-MS based metabonomics.
- Food & function** , Volume: 13 Issue: 17 2022 Aug 30  
*Authors Li X,Du Y,Zhang C,Tu Z,Wang L*  
Consumption of Wheat Peptides Improves Functional Constipation: A Translational Study in Humans and Mice.
- Molecular nutrition & food research** , Volume: 66 Issue: 19 2022 Oct

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

Effects of calcium-magnesium carbonate and calcium-magnesium hydroxide as supplemental sources of magnesium on ruminal microbiome.

**Translational animal science** , Volume: 6 Issue: 3 2022 Jul

**Authors** Arce-Cordero JA,Liu T,Ravelo A,Lobo RR,Agustinho BC,Monteiro HF,Jeong KC,Faciola AP

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

Litchi-Derived Polyphenol Alleviates Liver Steatosis and Gut Dysbiosis in Patients with Non-Alcoholic Fatty Liver Disease: A Randomized Double-Blinded, Placebo-Controlled Study.

**Nutrients** , Volume: 14 Issue: 14 2022 Jul 16

**Authors** Jinato T,Chayanupatkul M,Dissayabutra T,Chutaputti A,Tangkijvanich P,Chuaypen N

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

**Nutrients** , Volume: 14 Issue: 14 2022 Jul 6

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

Dietary ?-Aminobutyric Acid Supplementation Inhibits High-Fat Diet-Induced Hepatic Steatosis via Modulating Gut Microbiota in Broilers.

**Microorganisms** , Volume: 10 Issue: 7 2022 Jun 24

**Authors** Chen Q,Hu D,Wu X,Feng Y,Ni Y

Limosilactobacillus reuteri Attenuates Atopic Dermatitis via Changes in Gut Bacteria and Indole Derivatives from Tryptophan Metabolism.

**International journal of molecular sciences** , Volume: 23 Issue: 14 2022 Jul 13

**Authors** Fang Z,Pan T,Wang H,Zhu J,Zhang H,Zhao J,Chen W,Lu W

Inulin-type fructans change the gut microbiota and prevent the development of diabetic nephropathy.

**Pharmacological research** , Volume: 183 2022 Sep

**Authors** Luo L,Luo J,Cai Y,Fu M,Li W,Shi L,Liu J,Dong R,Xu X,Tu L,Yang Y

Lycium barbarum polysaccharide modulates gut microbiota to alleviate rheumatoid arthritis in a rat model.

**NPJ science of food** , Volume: 6 Issue: 1 2022 Jul 21

**Authors** Lai W,Wang C,Lai R,Peng X,Luo J

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

Hypoglycemic Effects of Lycium barbarum Polysaccharide in Type 2 Diabetes Mellitus Mice via Modulating Gut Microbiota.

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

**Authors** Ma Q,Zhai R,Xie X,Chen T,Zhang Z,Liu H,Nie C,Yuan X,Tu A,Tian B,Zhang M,Chen Z,Li J

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

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

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

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

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

**Nutrients** , Volume: 14 Issue: 13 2022 Jun 21

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

Procyanidins from hawthorn (*Crataegus pinnatifida*) alleviate lipid metabolism disorder via inhibiting insulin resistance and oxidative stress, normalizing the gut microbiota structure and intestinal barrier, and further suppressing hepatic inflammation and lipid accumulation.

**Food & function** , Volume: 13 Issue: 14 2022 Jul 18

*Authors Han X, Zhao W, Zhou Q, Chen H, Yuan J, Xiaofu Z, Zhang Z*

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*

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

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

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

*Saccharomyces boulardii*, a yeast probiotic, inhibits gut motility through upregulating intestinal serotonin transporter and modulating gut microbiota.

**Pharmacological research** , Volume: 181 2022 Jul

*Authors Gu Y, Wang C, Qin X, Zhou B, Liu X, Liu T, Xie R, Liu J, Wang B, Cao H*

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

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

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

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*

Miia Improves Osteoarthritis Characteristics via the Gut-Muscle-Joint Axis According to Multi-Omics Analyses.

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

*Authors Xu T, Yang D, Liu K, Gao Q, Liu Z, Li G*

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

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

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

*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*

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

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

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

Dietary Vitamin B1 Intake Influences Gut Microbial Community and the Consequent Production of Short-Chain Fatty Acids.

**Nutrients** , Volume: 14 Issue: 10 2022 May 16

*Authors Park J, Hosomi K, Kawashima H, Chen YA, Mohsen A, Ohno H, Konishi K, Tanisawa K, Kifushi M, Kogawa M, Takeyama H, Murakami H, Kubota T, Miyachi M, Kunisawa J, Mizuguchi K*

Quercetin Reduces Inflammation and Protects Gut Microbiota in Broilers.

**Molecules (Basel, Switzerland)** , Volume: 27 Issue: 10 2022 May 19

*Authors Sun L, Guo L, Xu G, Li Z, Appiah MO, Yang L, Lu W*

*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

[The impacts of bovine milk, soy beverage, or almond beverage on the growing rat microbiome.](#)

**PeerJ** , Volume: 10 2022

Authors Cakebread J,Wallace OAM,Henderson H,Jauregui R,Young W,Hodgkinson A

[The Anti-Inflammatory Effects of Cannabidiol \(CBD\) on Acne.](#)

**Journal of inflammation research** , Volume: 15 2022

Authors Peyravian N,Deo S,Daunert S,Jimenez JJ

[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

[Oligosaccharides derived from Lycium barbarum ameliorate glycolipid metabolism and modulate the gut microbiota community and the faecal metabolites in a type 2 diabetes mouse model: metabolomic bioinformatic analysis.](#)

**Food & function** , Volume: 13 Issue: 9 2022 May 10

Authors Liu H,Zhang Z,Li J,Liu W,Warda M,Cui B,Abd El-Aty AM

[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

[Relandscaping the Gut Microbiota with a Whole Food: Dose-Response Effects to Common Bean.](#)

**Foods (Basel, Switzerland)** , Volume: 11 Issue: 8 2022 Apr 15

Authors Lutsiv T,McGinley JN,Neil-McDonald ES,Weir TL,Foster MT,Thompson HJ

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

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

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

[Detection and isolation of typical gut indigenous bacteria in ICR mice fed wheat bran and wheat straw fibre.](#)

**Food chemistry. Molecular sciences** , Volume: 4 2022 Jul 30

Authors Takei N,Kuda T,Handa N,Fujita S,Takahashi H,Kimura B

[Classification of the Occurrence of Dyslipidemia Based on Gut Bacteria Related to Barley Intake.](#)

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

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

[Effects of Ramadan and Non-ramadan Intermittent Fasting on Gut Microbiome.](#)

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

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

[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

[Lactobacillus reuteri CCFM8631 Alleviates Hypercholesterolaemia Caused by the Paigen Atherogenic Diet by Regulating the Gut Microbiota.](#)

**Nutrients** , Volume: 14 Issue: 6 2022 Mar 17

Authors Wang Q,He Y,Li X,Zhang T,Liang M,Wang G,Zhao J,Zhang H,Chen W

[Relationships between barley consumption and gut microbiome characteristics in a healthy Japanese population: a cross-sectional study.](#)

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

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

[Different Alterations in Gut Microbiota between Bifidobacterium longum and Fecal Microbiota Transplantation Treatments in Propionic Acid Rat Model of Autism.](#)

**Nutrients** , Volume: 14 Issue: 3 2022 Jan 30

- Authors* Abujamel TS,Al-Otaibi NM,Abuaish S,AlHarbi RH,Assas MB,Alzahrani SA,Alotaibi SM,El-Ansary A,Abed K  
Effects of Whole Brown Bean and Its Isolated Fiber Fraction on Plasma Lipid Profile, Atherosclerosis, Gut Microbiota, and Microbiota-Dependent Metabolites in Apoe(-/-) Mice.  
**Nutrients** , Volume: 14 Issue: 5 2022 Feb 22  
*Authors* Liu J,Hefni ME,Witthöft CM,Bergström M,Burleigh S,Nyman M,Hällenius F  
Effect of Dietary Bacillus licheniformis Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.  
**Frontiers in veterinary science** , Volume: 9 2022  
*Authors* Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z  
Evaluating the effects of a standardized polyphenol mixture extracted from poplar-type propolis on healthy and diseased human gut microbiota.  
**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 148 2022 Apr  
*Authors* Garzarella EU,Navajas-Porras B,Pérez-Burillo S,Ullah H,Esposito C,Santarcangelo C,Hinojosa-Nogueira D,Pastoriza S,Zaccaria V,Xiao J,Rufián-Henares JÁ,Daglia M  
Effects of drinking water supplementation with Lactobacillus reuteri, and a mixture of reuterin and microcin J25 on the growth performance, caecal microbiota and selected metabolites of broiler chickens.  
**Journal of animal science and biotechnology** , Volume: 13 Issue: 1 2022 Mar 5  
*Authors* Zhang L,Ben Said L,Hervé N,Zirah S,Diarra MS,Fliss I  
Specific Gut Microbial Environment in Lard Diet-Induced Prostate Cancer Development and Progression.  
**International journal of molecular sciences** , Volume: 23 Issue: 4 2022 Feb 17  
*Authors* Sato H,Narita S,Ishida M,Takahashi Y,Mingguo H,Kashima S,Yamamoto R,Koizumi A,Nara T,Numakura K,Saito M,Yoshioka T,Habuchi T  
Preliminary Report on Intestinal Flora Disorder, Faecal Short-Chain Fatty Acid Level Decline and Intestinal Mucosal Tissue Weakening Caused by Litchi Extract to Induce Systemic Inflammation in HFA Mice.  
**Nutrients** , Volume: 14 Issue: 4 2022 Feb 12  
*Authors* Sun D,Wang C,Sun L,Hu L,Fang Z,Deng Q,Zhao J,Gooneratne R  
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  
Could Dietary Supplementation with Different Sources of N-3 Polyunsaturated Fatty Acids Modify the Rabbit Gut Microbiota?  
**Antibiotics (Basel, Switzerland)** , Volume: 11 Issue: 2 2022 Feb 10  
*Authors* Curone G,Biscarini F,Cotozzolo E,Menchetti L,Dal Bosco A,Riva F,Cremonesi P,Agradi S,Mattioli S,Castiglioni B,Di Giancamillo A,Carlotti Mancinelli A,Draghi S,Quattrone A,Collodel G,Modina SC,Castellini C,Brecchia G  
Cigarette Smoking and Human Gut Microbiota in Healthy Adults: A Systematic Review.  
**Biomedicines** , Volume: 10 Issue: 2 2022 Feb 21  
*Authors* Antinozzi M,Giffi M,Sini N,Gallè F,Valeriani F,De Vito C,Liguori G,Romano Spica V,Cattaruzza MS  
Effect of Clostridium butyricum on Gastrointestinal Infections.  
**Biomedicines** , Volume: 10 Issue: 2 2022 Feb 18  
*Authors* Ariyoshi T,Hagihara M,Takahashi M,Mikamo H  
Bifidobacterium animalis subsp. lactis BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.  
**Frontiers in nutrition** , Volume: 8 2021  
*Authors* Mao K,Gao J,Wang X,Li X,Geng S,Zhang T,Sadiq FA,Sang Y  
Effects of Bacillus amyloliquefaciens TL106 Isolated from Tibetan Pigs on Probiotic Potential and Intestinal Microbes in Weaned Piglets.  
**Microbiology spectrum** , Volume: 10 Issue: 1 2022 Jan 26  
*Authors* Du H,Yao W,Kulyar MF,Ding Y,Zhu H,Pan H,Li K,Bhutta ZA,Liu S,Li J  
Different Effects of Lard and Vegetable Blend Oil on Intestinal Microorganisms, Enzyme Activity and Blood Routine in Mice.  
**Journal of oleo science** , Volume: 71 Issue: 2 2022 Feb 3  
*Authors* Qiao B,Li X,Zheng T,Tan Z  
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  
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

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

Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients.

**Gut microbes** , Volume: 14 Issue: 1 2022 Jan-Dec

Authors Amadieu C,Coste V,Neyrinck AM,Thijssen V,Leyrolle Q,Bindels LB,Piessevaux H,Stärkel P,de Timary P,Delzenne NM,Leclercq S

Bifidobacterium longum subsp. longum 5<sup>1A</sup> attenuates intestinal injury against irinotecan-induced mucositis in mice.

**Life sciences** , Volume: 289 2022 Jan 15

Authors Quintanilha MF,Miranda VC,Souza RO,Gallotti B,Cruz C,Santos EA,Alvarez-Leite JI,Jesus LCL,Azevedo V,Trindade LM,Cardoso VN,Ferreira E,Carvalho BA,Soares PMG,Vieira AT,Nicoli JR,Martins FS

Effects of Dietary Supplementation With *Bacillus subtilis*, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.

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

Authors Qiu K,Li CL,Wang J,Qi GH,Gao J,Zhang HJ,Wu SG

Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats.

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

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

Supplementation of chicory root powder as an alternative to antibiotic growth promoter on gut pH, gut microflora and gut histomorphometry of male broilers.

**PloS one** , Volume: 16 Issue: 12 2021

Authors Gurram S,V CP,K VL,M V L N R,M V,Bora S

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

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

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

Intermittent Fasting Reshapes the Gut Microbiota and Metabolome and Reduces Weight Gain More Effectively Than Melatonin in Mice.

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

Authors Liu J,Zhong Y,Luo XM,Ma Y,Liu J,Wang H

Long-Term Overconsumption of Fat and Sugar Causes a Partially Reversible Pre-inflammatory Bowel Disease State.

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

Authors Arnone D,Vallier M,Hergalant S,Chabot C,Ndiaye NC,Moulin D,Aignatoaei AM,Alberto JM,Louis H,Boulard O,Mayeur C,Dreumont N,Peucker K,Strigji A,Zeissig S,Hansmannel F,Chamaillard M,Kökten T,Peyrin-Biroulet L

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

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

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

*Bacillus subtilis* Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with *Schistosoma japonicum*.

**Frontiers in cell and developmental biology** , Volume: 9 2021

Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.

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

Authors Ding S,Jiang H,Fang J,Liu G

[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

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

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

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

[Gut microbiota-a positive contributor in the process of intermittent fasting-mediated obesity control.](#)

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

Authors Rong B,Wu Q,Saeed M,Sun C

[Impacts of Cigarette Smoking Status on Metabolomic and Gut Microbiota Profile in Male Patients With Coronary Artery Disease: A Multi-Omics Study.](#)

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

Authors Hu X,Fan Y,Li H,Zhou R,Zhao X,Sun Y,Zhang S

[Beneficial effect of whole-grain wheat on liver fat: a role for the gut microbiota?](#)

**Hepatobiliary surgery and nutrition** , Volume: 10 Issue: 5 2021 Oct

Authors Gérard P

[Protective Effects of Bacillus amyloliquefaciens 40 Against Clostridium perfringens Infection in Mice.](#)

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

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

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

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

Authors Adewole DI,Oladokun S,Santin E

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

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

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

[Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.](#)

**Journal of animal science** , 2021 Oct 23

Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

[Alleviation Effects of Bifidobacterium animalis subsp. lactis XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.](#)

**Microorganisms** , Volume: 9 Issue: 10 2021 Oct 3

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

[Supplementation with Lactiplantibacillus plantarum IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.](#)

**International journal of molecular sciences** , Volume: 22 Issue: 20 2021 Oct 16

Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C

[Alterations in Faecal Microbiota and Elevated Levels of Intestinal IgA Following Oral Administration of Lactobacillus casei in mice.](#)

**Probiotics and antimicrobial proteins** , Volume: 15 Issue: 3 2023 Jun

Authors Aindelis G,Ypsilantis P,Chlichlia K

[Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces Enterobacteriaceae Family Abundance and Elevates Propionate in a Bioreactor Model.](#)

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

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

[Influence of Diet on the Effect of the Probiotic Lactobacillus paracasei in Rats Suffering From Allergic Asthma.](#)

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

Authors Xie A,Song J,Lu S,Liu Y,Tang L,Wen S

[Gut microbiota mediates the effects of inulin on enhancing sulfomucin production and mucosal barrier function in a pig model.](#)

**Food & function** , Volume: 12 Issue: 21 2021 Nov 1

Authors Xia B,Wu W,Zhang L,Wen X,Xie J,Zhang H

[Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.](#)

**Microbiology spectrum** , 2021 Oct 6

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

[Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.](#)

**Food research international (Ottawa, Ont.)** , Volume: 149 2021 Nov

Authors Marzorati M, Van den Abbeele P, Bubeck S, Bayne T, Krishnan K, Young A

[The Gut Microbiota during a Behavioral Weight Loss Intervention.](#)

**Nutrients** , Volume: 13 Issue: 9 2021 Sep 18

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

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

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

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

[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

[Lactobacillus reuteri FYNLJ109L1 Attenuating Metabolic Syndrome in Mice via Gut Microbiota Modulation and Alleviating Inflammation.](#)

**Foods (Basel, Switzerland)** , Volume: 10 Issue: 9 2021 Sep 2

Authors Yang B, Zheng F, Stanton C, Ross RP, Zhao J, Zhang H, Chen W

[Short-Chain Inulin Modulates the Cecal Microbiota Structure of Leptin Knockout Mice in High-Fat Diet.](#)

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

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

[The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.](#)

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

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

[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

[Dietary and Pharmacologic Manipulations of Host Lipids and Their Interaction With the Gut Microbiome in Non-human Primates.](#)

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

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

[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

[Gut microbiota from green tea polyphenol-dosed mice improves intestinal epithelial homeostasis and ameliorates experimental colitis.](#)

**Microbiome** , Volume: 9 Issue: 1 2021 Sep 7

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

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

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

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

[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

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

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

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

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

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

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

A Novel Sprouted Oat Fermented Beverage: Evaluation of Safety and Health Benefits for Celiac Individuals.

**Nutrients** , Volume: 13 Issue: 8 2021 Jul 23

Authors Aparicio-García N,Martínez-Villaluenga C,Frias J,Crespo Perez L,Fernández CF,Alba C,Rodríguez JM,Peñas E

Clostridium butyricum MIYAIRI 588 Modifies Bacterial Composition under Antibiotic-Induced Dysbiosis for the Activation of Interactions via Lipid Metabolism between the Gut Microbiome and the Host.

**Biomedicines** , Volume: 9 Issue: 8 2021 Aug 22

Authors Ariyoshi T,Hagihara M,Tomono S,Eguchi S,Minemura A,Miura D,Oka K,Takahashi M,Yamagishi Y,Mikamo H

Quercetin Ameliorates Insulin Resistance and Restores Gut Microbiome in Mice on High-Fat Diets.

**Antioxidants (Basel, Switzerland)** , Volume: 10 Issue: 8 2021 Aug 5

Authors Tan Y,Tam CC,Rolston M,Alves P,Chen L,Meng S,Hong H,Chang SKC,Yokoyama W

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

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

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

Regulatory effects of Lactobacillus fermented black barley on intestinal microbiota of NAFLD rats.

**Food research international (Ottawa, Ont.)** , Volume: 147 2021 Sep

Authors Zhu C,Guan Q,Song C,Zhong L,Ding X,Zeng H,Nie P,Song L

Effects of Smoking on Inflammatory Markers in a Healthy Population as Analyzed via the Gut Microbiota.

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

Authors Yan S,Ma Z,Jiao M,Wang Y,Li A,Ding S

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn`s disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

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

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

Effects of Bacillus subtilis and Bacillus licheniformis on growth performance, immunity, short chain fatty acid production, antioxidant capacity, and cecal microflora in broilers.

**Poultry science** , Volume: 100 Issue: 9 2021 Jun 26

Authors Xu Y,Yu Y,Shen Y,Li Q,Lan J,Wu Y,Zhang R,Cao G,Yang C

Assessment of Lactobacillus casei rhamnosus (LGG) therapy in children with biliary atresia - Randomized placebo controlled trial.

**Clinics and research in hepatology and gastroenterology** , Volume: 45 Issue: 6 2021 Nov

Authors Orłowska E,Czubkowski P,Wolochowska K,Jarzebicka D,Motył I,Socha P

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

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

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

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

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

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

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

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

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

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

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

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,Krutsikikh EP,Novikova AG,Popov VN

A Comprehensive Review of Almond Clinical Trials on Weight Measures, Metabolic Health Biomarkers and Outcomes, and the Gut Microbiota.

**Nutrients** , Volume: 13 Issue: 6 2021 Jun 8

**Authors** Dreher ML

Millet shell polyphenols prevent atherosclerosis by protecting the gut barrier and remodeling the gut microbiota in ApoE<sup>-/-</sup> mice.

**Food & function** , 2021 Jun 25

**Authors** Liu F,Shan S,Li H,Shi J,Hao R,Yang R,Li Z

Effects of *Bacillus amyloliquefaciens* Instead of Antibiotics on Growth Performance, Intestinal Health, and Intestinal Microbiota of Broilers.

**Frontiers in veterinary science** , Volume: 8 2021

**Authors** Wang B,Zhou Y,Tang L,Zeng Z,Gong L,Wu Y,Li WF

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

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

**Authors** Almada-Érix CN,Almada CN,Cabral L,Barros de Medeiros VP,Roquette AR,Santos-Junior VA,Fontes M,Gonçalves

AESS,Dos Santos A,Lollo PC,Magnani M,Sant`Ana AS

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

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

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

*Lactobacillus paracasei* modulates the gut microbiota and improves inflammation in type 2 diabetic rats.

**Food & function** , 2021 Jun 11

**Authors** Zeng Z,Guo X,Zhang J,Yuan Q,Chen S

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

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

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

The effect of dietary fiber (oat bran) supplement on blood pressure in patients with essential hypertension: A randomized controlled trial.

**Nutrition, metabolism, and cardiovascular diseases : NMCD** , 2021 Apr 28

**Authors** Xue Y,Cui L,Qi J,Qjo O,Du X,Liu Y,Wang X

Oral administration of camellia oil ameliorates obesity and modifies the gut microbiota composition in mice fed a high-fat diet.

**FEMS microbiology letters** , Volume: 368 Issue: 10 2021 Jun 11

**Authors** Huang T,Zhou W,Ma X,Jiang J,Zhang F,Zhou W,He H,Cui G

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

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

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

Modulatory Effects of *Bacillus subtilis* on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying

Hens.**Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 24**

Authors Zhang G,Wang H,Zhang J,Tang X,Raheem A,Wang M,Lin W,Liang L,Qi Y,Zhu Y,Jia Y,Cui S,Qin T

Effect of BioPlus YC Probiotic Supplementation on Gut Microbiota, Production Performance, Carcass and Meat Quality ofPigs.**Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 28**

Authors Rybarczyk A,Boguslawska-Was E,Dlubala A

Effect of Lactocaseibacillus paracasei Strain Shirota on Improvement in Depressive Symptoms, and Its Association with Abundance of Actinobacteria in Gut Microbiota.**Microorganisms , Volume: 9 Issue: 5 2021 May 10**

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

Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in SteatohepatitisOnset.**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

Saccharomyces cerevisiae boulardii CNCM I-1079 supplementation in finishing male pigs helps to cope with heat stress through feeding behaviour and gut microbiota modulation.**The British journal of nutrition , Volume: 127 Issue: 3 2022 Feb 14**

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

Beneficial gut microbiome remodeled during intermittent fasting in humans.**Rejuvenation research , 2021 May 27**

Authors Larrick JW,Mendelsohn AR,Larrick J

Tobacco Smoking and the Fecal Microbiome in a Large, Multi-ethnic Cohort.**Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology , Volume: 30 Issue: 7 2021 Jul**

Authors Prakash A,Peters BA,Cobbs E,Beggs D,Choi H,Li H,Hayes RB,Ahn J

A multi-omics approach for understanding the effects of moderate wine consumption on human intestinal health.**Food & function , Volume: 12 Issue: 9 2021 May 11**

Authors Belda I,Cueva C,Tamargo A,Ravarani CN,Acedo A,Bartolomé B,Moreno-Arribas MV

Combined use of epigallocatechin-3-gallate (EGCG) and caffeine in low doses exhibits marked anti-obesity synergy through regulation of gut microbiota and bile acid metabolism.**Food & function , Volume: 12 Issue: 9 2021 May 11**

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

Effects of Bacillus Coagulans on growth performance, antioxidant capacity, immunity function, and gut health in broilers.**Poultry science , Volume: 100 Issue: 6 2021 Mar 27**

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

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

Lactobacillus Sps in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.**Biology , Volume: 10 Issue: 4 2021 Apr 20**

Authors Gulnaz A,Nadeem J,Han JH,Lew LC,Son JD,Park YH,Rather IA,Hor YY

Effect of Lactylate and Bacillus subtilis on Growth Performance, Peripheral Blood Cell Profile, and Gut Microbiota of NurseryPigs.**Microorganisms , Volume: 9 Issue: 4 2021 Apr 10**

Authors Wang X,Tsai T,Wei X,Zuo B,Davis E,Rehberger T,Hernandez S,Jochems EJM,Maxwell CV,Zhao J

Effects of Bifidobacterium animalis ssp. lactis 420 on gastrointestinal inflammation induced by a non-steroidal anti-inflammatory drug: a randomized, placebo-controlled, double-blind clinical trial.**British journal of clinical pharmacology , 2021 Apr 27**

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

Gut modulation based anti-diabetic effects of carboxymethylated wheat bran dietary fiber in high-fat diet/streptozotocin-induced diabetic mice and their potential mechanisms.**Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 152 2021 Jun**

Authors Li XX,Zhang XX,Zhang R,Ni ZJ,Elam E,Thakur K,Cespedes-Acuña CL,Zhang JG,Wei ZJ

Preventive Effects of Bacillus licheniformis on Heat Stroke in Rats by Sustaining Intestinal Barrier Function and Modulating Gut Microbiota.

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

Authors Li L,Wang M,Chen J,Xu Z,Wang S,Xia X,Liu D,Wang S,Xie C,Wu J,Li J,Zhang J,Wang M,Zhu J,Ling C,Xu S

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

**Food & function** , 2021 Apr 22

Authors Zhang Z,Chen X,Cui B

Assessment of the Safety of Lactobacillus casei IMV B-7280 Probiotic Strain on a Mouse Model.

**Probiotics and antimicrobial proteins** , Volume: 13 Issue: 6 2021 Dec

Authors L M L,L P B,S G G,L O S,O M D,R V B,L M S,M Ya S

Remodeling of the gut microbiome during Ramadan-associated intermittent fasting.

**The American journal of clinical nutrition** , Volume: 113 Issue: 5 2021 May 8

Authors Su J,Wang Y,Zhang X,Ma M,Xie Z,Pan Q,Ma Z,Peppelenbosch MP

The Anti-Inflammatory Effect and Mucosal Barrier Protection of Clostridium butyricum RH2 in Ceftriaxone-Induced Intestinal Dysbacteriosis.

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

Authors Li Y,Liu M,Liu H,Sui X,Liu Y,Wei X,Liu C,Cheng Y,Ye W,Gao B,Wang X,Lu Q,Cheng H,Zhang L,Yuan J,Li M

Saccharomyces boulardii ameliorates gut dysbiosis associated cognitive decline.

**Physiology & behavior** , Volume: 236 2021 Jul 1

Authors Roy Sarkar S,Mitra Mazumder P,Chatterjee K,Sarkar A,Adhikary M,Mukhopadhyay K,Banerjee S

Lactocaseibacillus 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

Metagenomic Insight: Dietary Thiamine Supplementation Promoted the Growth of Carbohydrate-Associated Microorganisms and Enzymes in the Rumen of Saanen Goats Fed High-Concentrate Diets.

**Microorganisms** , Volume: 9 Issue: 3 2021 Mar 18

Authors Zhang Y,Wang C,Peng A,Zhang H,Wang H

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

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

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

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

Crataegus pinnatifida polysaccharide alleviates colitis via modulation of gut microbiota and SCFAs metabolism.

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

Authors Guo C,Wang Y,Zhang S,Zhang X,Du Z,Li M,Ding K

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,Wongsaraj 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

Lactobacillus paracasei DTA81, a cholesterol-lowering strain having immunomodulatory activity, reveals gut microbiota regulation capability in BALB/c mice receiving high-fat diet.

**Journal of applied microbiology** , Volume: 131 Issue: 4 2021 Oct

Authors Tarrah A,Dos Santos Cruz BC,Sousa Dias R,da Silva Duarte V,Pakroo S,Licursi de Oliveira L,Gouveia Peluzio MC,Corich V,Giacomini A,Oliveira de Paula S

Ramadan Fasting Leads to Shifts in Human Gut Microbiota Structured by Dietary Composition.

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

Authors Ali I,Liu K,Long D,Faisal S,Hilal MG,Ali I,Huang X,Long R

Effects of *Bacillus pumilus* on growth performance, immunological indicators and gut microbiota of mice.

**Journal of animal physiology and animal nutrition** , Volume: 105 Issue: 4 2021 Jul

Authors Zhang N,Wang L,Wei Y

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

Navy Bean Supplementation in Established High-Fat Diet-Induced Obesity Attenuates the Severity of the Obese Inflammatory Phenotype.

**Nutrients** , Volume: 13 Issue: 3 2021 Feb 26

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

Effect of Quercetin on Lipids Metabolism Through Modulating the Gut Microbial and AMPK/PPAR Signaling Pathway in Broilers.

**Frontiers in cell and developmental biology** , Volume: 9 2021

Authors Wang M,Wang B,Wang S,Lu H,Wu H,Ding M,Ying L,Mao Y,Li Y

The impact of medical cannabis consumption on the oral flora and saliva.

**PloS one** , Volume: 16 Issue: 2 2021

Authors Habib G,Steinberg D,Jabbour A

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

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

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

Dietary intake of walnut prevented Helicobacter pylori-associated gastric cancer through rejuvenation of chronic atrophic gastritis.

**Journal of clinical biochemistry and nutrition** , Volume: 68 Issue: 1 2021 Jan

Authors Park JM,Han YM,Park YJ,Hahm KB

Lychee (*Litchi chinensis* Sonn.) Pulp Phenolics Activate the Short-Chain Fatty Acid-Free Fatty Acid Receptor Anti-inflammatory Pathway by Regulating Microbiota and Mitigate Intestinal Barrier Damage in Dextran Sulfate Sodium-Induced Colitis in Mice.

**Journal of agricultural and food chemistry** , Volume: 69 Issue: 11 2021 Mar 24

Authors Huang G,Wang Z,Wu G,Zhang R,Dong L,Huang F,Zhang M,Su D

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 almond hulls as an alternative ingredient on broiler performance, nutrient digestibility, and cecal microbiota diversity.

**Poultry science** , Volume: 100 Issue: 3 2021 Mar

Authors Wang J,Singh AK,Kong F,Kim WK

Potential mechanisms underlying the ameliorative effect of *Lactobacillus paracasei* FZU103 on the lipid metabolism in hyperlipidemic mice fed a high-fat diet.

**Food research international (Ottawa, Ont.)** , Volume: 139 2021 Jan

Authors Lv XC,Chen M,Huang ZR,Guo WL,Ai LZ,Bai WD,Yu XD,Liu YL,Rao PF,Ni L

Effect of probiotic *Lactobacillus plantarum* Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults.

**World journal of gastroenterology** , Volume: 27 Issue: 1 2021 Jan 7

Authors Rahayu ES,Mariyatun M,Putri Manurung NE,Hasan PN,Therdatha P,Mishima R,Komalasari H,Mahfuzah NA,Pamungkaningtyas FH,Yoga WK,Nurfiana DA,Liwan SY,Juffrie M,Nugroho AE,Utami T

Long-term diet quality is associated with gut microbiome diversity and composition among urban Chinese adults.

**The American journal of clinical nutrition** , Volume: 113 Issue: 3 2021 Mar 11

Authors Yu D,Nguyen SM,Yang Y,Xu W,Cai H,Wu J,Cai Q,Long J,Zheng W,Shu XO

Almond consumption affects fecal microbiota composition, stool pH, and stool moisture in overweight and obese adults with elevated fasting blood glucose: A randomized controlled trial.

**Nutrition research (New York, N.Y.) , Volume: 85 2021 Jan**

*Authors Choo JM,Tran CD,Luscombe-Marsh ND,Stonehouse W,Bowen J,Johnson N,Thompson CH,Watson EJ,Brinkworth GD,Rogers GB*

[Inulin ameliorates schizophrenia via modulation of the gut microbiota and anti-inflammation in mice.](#)

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

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

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

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

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

[The Effect of Xylooligosaccharide, Xylan, and Whole Wheat Bran on the Human Gut Bacteria.](#)

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

*Authors Chen M,Liu S,Imam KMSU,Sun L,Wang Y,Gu T,Wen B,Xin F*

[Combined Lycium barbarum polysaccharides and C-phycoerythrin increase gastric Bifidobacterium relative abundance and protect against gastric ulcer caused by aspirin in rats.](#)

**Nutrition & metabolism , Volume: 18 Issue: 1 2021 Jan 6**

*Authors Hsieh SY,Lian YZ,Lin IH,Yang YC,Tinkov AA,Skalny AV,Chao JC*

[Blueberry and cranberry anthocyanin extracts reduce bodyweight and modulate gut microbiota in C57BL/6J mice fed with a high-fat diet.](#)

**European journal of nutrition , 2021 Jan 3**

*Authors Liu J,Hao W,He Z,Kwek E,Zhu H,Ma N,Ma KY,Chen ZY*

[Probiotic \*Lactobacillus rhamnosus\* GG Promotes Mouse Gut Microbiota Diversity and T Cell Differentiation.](#)

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

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

[Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M \$\beta\$ -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*

[Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Long-Chain Inulin Intake.](#)

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

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

[Exopolysaccharides from \*Lactobacillus plantarum\* YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.](#)

**Acta biochimica Polonica , Volume: 67 Issue: 4 2020 Dec 17**

*Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y*

[Chemoprevention of DMH-Induced Early Colon Carcinogenesis in Male BALB/c Mice by Administration of \*Lactobacillus Paracasei\* DTA81](#)

**Microorganisms , Volume: 8 Issue: 12 2020 Dec 14**

*Authors da Silva Duarte V,Dos Santos Cruz BC,Tarrah A,Sousa Dias R,de Paula Dias Moreira L,Lemos Junior WJF,Fidélis Silva LC,Rocha Santana G,Licursi de Oliveira L,Gouveia Peluzio MDC,Mantovani HC,Corich V,Giacomini A,de Paula SO*

[The Fungal Microbiome and Asthma.](#)

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

*Authors van Tilburg Bernardes E,Gutierrez MW,Arrieta MC*

[Administration of \*Saccharomyces boulardii\* maffio-1701 improves feed conversion ratio, promotes antioxidant capacity, alleviates intestinal inflammation and modulates gut microbiota in weaned piglets.](#)

**Journal of animal science and biotechnology , Volume: 11 Issue: 1 2020 Dec 4**

*Authors Zhang W,Bao C,Wang J,Zang J,Cao Y*

[\*Bacillus amyloliquefaciens\* TL106 protects mice against enterohaemorrhagic \*Escherichia coli\* O157:H7-induced intestinal disease through improving immune response, intestinal barrier function and gut microbiota.](#)

**Journal of applied microbiology , Volume: 131 Issue: 1 2021 Jul**

*Authors Bao CL,Liu SZ,Shang ZD,Liu YJ,Wang J,Zhang WX,Dong B,Cao YH*

[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*

[Effects of probiotic litchi juice on immunomodulatory function and gut microbiota in mice.](#)

**Food research international (Ottawa, Ont.) , Volume: 137 2020 Nov**

**Authors** Wen J, Ma L, Xu Y, Wu J, Yu Y, Peng J, Tang D, Zou B, Li L

Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.

**European journal of nutrition** , 2020 Nov 22

**Authors** Xu H, Ma C, Zhao F, Chen P, Liu Y, Sun Z, Cui L, Kwok LY, Zhang H

Lactobacillus plantarum relieves diarrhea caused by enterotoxin-producing Escherichia coli through inflammation modulation and gut microbiota regulation.

**Food & function** , Volume: 11 Issue: 12 2020 Dec 1

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

Modulation of the Gut Microbiome and Obesity Biomarkers by Lactobacillus Plantarum KC28 in a Diet-Induced Obesity Murine Model.

**Probiotics and antimicrobial proteins** , 2020 Nov 14

**Authors** Huang E, Kim S, Park H, Park S, Ji Y, Todorov SD, Lim SD, Holzapfel WH

Minor Changes in the Composition and Function of the Gut Microbiota During a 12-Week Whole Grain Wheat or Refined Wheat Intervention Correlate with Liver Fat in Overweight and Obese Adults.

**The Journal of nutrition** , Volume: 151 Issue: 3 2021 Mar 11

**Authors** van Trijp MPH, Schutte S, Esser D, Wopereis S, Hoevenaars FPM, Hooiveld GJEJ, Afman LA

Effect of Five Commercial Probiotic Formulations on Candida Albicans Growth: In Vitro Study.

**The Journal of clinical pediatric dentistry** , Volume: 44 Issue: 5 2020 Sep 1

**Authors** Hernández-Bautista LM, Márquez-Preciado R, Ortiz-Magdaleno M, Pozos-Guillén A, Aranda-Romo S, Sánchez-Vargas LO

Alcohol decreases intestinal ratio of Lactobacillus to Enterobacteriaceae and induces hepatic immune tolerance in a murine model of DSS-colitis.

**Gut microbes** , Volume: 12 Issue: 1 2020 Nov 9

**Authors** Kuprys PV, Cannon AR, Shieh J, Iftekhar N, Park SK, Eberhardt JM, Ding X, Choudhry MA

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

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

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

[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

Chicory ameliorates hyperuricemia via modulating gut microbiota and alleviating LPS/TLR4 axis in quail.

**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 131 2020 Nov

**Authors** Bian M, Wang J, Wang Y, Nie A, Zhu C, Sun Z, Zhou Z, Zhang B

Enterococcus faecium R0026 combined with Bacillus subtilis R0179 prevent obesity-associated hyperlipidaemia and modulate gut microbiota in C57BL/6 mice.

**Journal of microbiology and biotechnology** , 2020 Oct 20

**Authors** Huang J, Huang J, Yin T, Lv H, Zhang P, Li H

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

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

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

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

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

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

Influence of fermented soy protein consumption on hypertension and gut microbial modulation in spontaneous hypertensive rats.

**Bioscience of microbiota, food and health** , Volume: 39 Issue: 4 2020

**Authors** Daliri EB, Ofosu FK, Chelliah R, Lee BH, An H, Elahi F, Barathikannan K, Kim JH, Oh DH

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

Oat bran and wheat bran impact net energy by shaping microbial communities and fermentation products in pigs fed diets

with or without xylanase.

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

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

Dietary Epigallocatechin-3-Gallate Alters the Gut Microbiota of Obese Diabetic db/db Mice: Lactobacillus Is a Putative Target.

**Journal of medicinal food** , Volume: 23 Issue: 10 2020 Oct

Authors Park JM,Shin Y,Kim SH,Jin M,Choi JJ

An Almond-Based Low Carbohydrate Diet Improves Depression and Glycometabolism in Patients with Type 2 Diabetes through Modulating Gut Microbiota and GLP-1: A Randomized Controlled Trial.

**Nutrients** , Volume: 12 Issue: 10 2020 Oct 3

Authors Ren M,Zhang H,Qi J,Hu A,Jiang Q,Hou Y,Feng Q,Ojo O,Wang X

Intermittent Fasting Improves Cardiometabolic Risk Factors and Alters Gut Microbiota in Metabolic Syndrome Patients.

**The Journal of clinical endocrinology and metabolism** , Volume: 106 Issue: 1 2021 Jan 1

Authors Guo Y,Luo S,Ye Y,Yin S,Fan J,Xia M

Gut microbial bile acid metabolite skews macrophage polarization and contributes to high-fat diet-induced colonic inflammation.

**Gut microbes** , Volume: 12 Issue: 1 2020 Nov 9

Authors Wang L,Gong Z,Zhang X,Zhu F,Liu Y,Jin C,Du X,Xu C,Chen Y,Cai W,Tian C,Wu J

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

**Experimental animals** , 2020 Oct 1

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

Relationship between gut environment, feces-to-food ratio, and androgen deficiency-induced metabolic disorders.

**Gut microbes** , Volume: 12 Issue: 1 2020 Nov 9

Authors Harada N,Minami Y,Hanada K,Hanaoka R,Kobayashi Y,Izawa T,Sato T,Kato S,Inui H,Yamaji R

Berry Polyphenols and Fibers Modulate Distinct Microbial Metabolic Functions and Gut Microbiota Enterotype-Like Clustering in Obese Mice.

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

Authors Rodríguez-Daza MC,Roquim M,Dudonné S,Pilon G,Levy E,Marette A,Roy D,Desjardins Y

Effects of Concurrent Omega-3 and Cranberry Juice Consumption Along with Standard Antibiotic Therapy on the Eradication of Helicobacter pylori, Gastrointestinal Symptoms, Some Serum Inflammatory and Oxidative Stress Markers in Adults with Helicobacter pylori Infection: A Study Protocol for a Randomized Controlled Trial.

**Infection and drug resistance** , Volume: 13 2020

Authors Zare Javid A,Maghsoumi-Norouzabad L,Bazyar H,Aghamohammadi V,Alavinejad P

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

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

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

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

**Journal of alternative and complementary medicine (New York, N.Y.)** , 2020 Sep 18

Authors Peterson CT,Pourang A,Dhaliwal S,Kohn JN,Uchitel S,Singh H,Mills PJ,Peterson SN,Sivamani RK

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

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

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

Intervention with kimchi microbial community ameliorates obesity by regulating gut microbiota.

**Journal of microbiology (Seoul, Korea)** , 2020 Sep 2

Authors Park SE,Kwon SJ,Cho KM,Seo SH,Kim EJ,Unno T,Bok SH,Park DH,Son HS

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

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

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

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

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

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

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

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

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

Epigallocatechin-3-gallate (EGCG) attenuates non-alcoholic fatty liver disease via modulating the interaction between gut microbiota and bile acids.

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

Authors Naito Y,Ushiroda C,Mizushima K,Inoue R,Yasukawa Z,Abe A,Takagi T

Nuts and their Effect on Gut Microbiota, Gut Function and Symptoms in Adults: A Systematic Review and Meta-Analysis of Randomised Controlled Trials.

**Nutrients** , Volume: 12 Issue: 8 2020 Aug 6

Authors Creedon AC,Hung ES,Berry SE,Whelan K

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

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

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

The effect of nut consumption (tree nuts and peanuts) on the gut microbiota of humans: a systematic review.

**The British journal of nutrition** , Volume: 125 Issue: 5 2021 Mar 14

Authors Fitzgerald E,Lambert K,Stanford J,Neale EP

Long-term Consumption of 2-O- $\beta$ -D-Glucopyranosyl-L-ascorbic Acid from the Fruits of Lycium barbarum Modulates Gut Microbiota in C57BL/6 Mice.

**Journal of agricultural and food chemistry** , 2020 Jul 24

Authors Dong W,Huang K,Yan Y,Wan P,Peng Y,Zeng X,Cao Y

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

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

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

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

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

Green Tea Encourages Growth of *Akkermansia muciniphila*.

**Journal of medicinal food** , 2020 Jun 25

Authors Jeong HW,Kim JK,Kim AY,Cho D,Lee JH,Choi JK,Park M,Kim W

Effects of GABA Supplementation on Intestinal SIgA Secretion and Gut Microbiota in the Healthy and ETEC-Infected Weanling Piglets.

**Mediators of inflammation** , Volume: 2020 2020

Authors Zhao Y,Wang J,Wang H,Huang Y,Qi M,Liao S,Bin P,Yin Y

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

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

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

The ameliorative effect of Lactobacillus plantarum Y44 oral administration on inflammation and lipid metabolism in obese mice fed with a high fat diet.

**Food & function** , Volume: 11 Issue: 6 2020 Jun 24

Authors Liu Y,Gao Y,Ma F,Sun M,Mu G,Tuo Y

Oral Supplements of Combined Bacillus licheniformis Zhengchangsheng® and Xylooligosaccharides Improve High-Fat Diet-Induced Obesity and Modulate the Gut Microbiota in Rats.

**BioMed research international** , Volume: 2020 2020

Authors Li Y,Liu M,Liu H,Wei X,Su X,Li M,Yuan J

Dietary Emulsifier Sodium Stearoyl Lactylate Alters Gut Microbiota *in vitro* and Inhibits Bacterial Butyrate Producers.

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

Authors Elmén L,Zamal JE,Scott DA,Lee RB,Chen DJ,Colas AR,Rodionov DA,Peterson SN

[The \*in vitro\* Effect of Fibers With Different Degrees of Polymerization on Human Gut Bacteria.](#)

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

Authors Chen M,Fan B,Liu S,Imam KMSU,Xie Y,Wen B,Xin F

[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

[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

[Antimicrobial Efficacy of Five Probiotic Strains Against \*Helicobacter pylori\*.](#)

**Antibiotics (Basel, Switzerland)** , Volume: 9 Issue: 5 2020 May 11

Authors Saracino IM,Pavoni M,Saccomanno L,Fiorini G,Pesci V,Foschi C,Piccirilli G,Bernardini G,Holton J,Figura N,Lazarotto T,Borghi C,Vaira B

[Potential Probiotic or Trigger of Gut Inflammation - The Janus-Faced Nature of Cannabidiol-Rich Cannabis Extract.](#)

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

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

[Characteristics of the Gut Microbiome of Healthy Young Male Soldiers in South Korea: The Effects of Smoking](#)

**Gut and liver** , Volume: 15 Issue: 2 2021 Mar 15

Authors Yoon H,Lee DH,Lee JH,Kwon JE,Shin CM,Yang SJ,Park SH,Lee JH,Kang SW,Lee JS,Kim BY

[Prebiotics effects in vitro of polysaccharides from tea flowers on gut microbiota of healthy persons and patients with inflammatory bowel disease.](#)

**International journal of biological macromolecules** , Volume: 158 2020 May 3

Authors Chen D,Chen G,Chen C,Zeng X,Ye H

[Efficacy of green tea and its extract, epigallocatechin-3-gallate, in the reduction of cariogenic microbiota in children: a randomized clinical trial.](#)

**Archives of oral biology** , Volume: 114 2020 Jun

Authors Vilela MM,Salvador SL,Teixeira IGL,Del Arco MCG,De Rossi A

[Supplemental \*Clostridium butyricum\* Modulates Lipid Metabolism Through Shaping Gut Microbiota and Bile Acid Profile of Aged Laying Hens.](#)

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

Authors Wang WW,Wang J,Zhang HJ,Wu SG,Qi GH

[Lactobacillus paracasei subsp. paracasei NTU 101 lyophilized powder improves loperamide-induced constipation in rats.](#)

**Heliyon** , Volume: 6 Issue: 4 2020 Apr

Authors Chen CL,Chao SH,Pan TM

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

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

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

[Effect of chicory inulin-type fructan-containing snack bars on the human gut microbiota in low dietary fiber consumers in a randomized crossover trial.](#)

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

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

[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

[Comparison of the prebiotic properties of native chicory and synthetic inulins using swine fecal cultures.](#)

**Bioscience, biotechnology, and biochemistry** , Volume: 84 Issue: 7 2020 Jul

Authors Nakayama Y,Kawasaki N,Tamiya T,Anzai S,Toyohara K,Nishiyama A,Kitazono E

[Regulatory effects of Lactobacillus plantarum HY7714 on skin health by improving intestinal condition.](#)

**PloS one** , Volume: 15 Issue: 4 2020

Authors Nam B,Kim SA,Park SD,Kim HJ,Kim JS,Bae CH,Kim JY,Nam W,Lee JL,Sim JH

[Beneficial effects of flaxseed polysaccharides on metabolic syndrome via gut microbiota in high-fat diet fed mice.](#)

**Food research international (Ottawa, Ont.)** , Volume: 131 2020 May

Authors Yang C,Xu Z,Deng Q,Huang Q,Wang X,Huang F

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

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

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

[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

[Chinese Propolis Prevents Obesity and Metabolism Syndromes Induced by a High Fat Diet and Accompanied by an Altered Gut Microbiota Structure in Mice.](#)

**Nutrients** , Volume: 12 Issue: 4 2020 Mar 30

Authors Zheng Y,Wu Y,Tao L,Chen X,Jones TJ,Wang K,Hu F

[Dynamic changes in gut microbiota under the influence of smoking and TNF- \$\alpha\$ -blocker in patients with ankylosing spondylitis.](#)

**Clinical rheumatology** , Volume: 39 Issue: 9 2020 Sep

Authors Zhang F,Ma C,Zhang B,Bi L

[Bofutsushosan improves gut barrier function with a bloom of Akkermansia muciniphila and improves glucose metabolism in mice with diet-induced obesity.](#)

**Scientific reports** , Volume: 10 Issue: 1 2020 Mar 26

Authors Fujisaka S,Usui I,Nawaz A,Igarashi Y,Okabe K,Furusawa Y,Watanabe S,Yamamoto S,Sasahara M,Watanabe Y,Nagai Y,Yagi K,Nakagawa T,Tobe K

[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

[The effects of daily fasting hours on shaping gut microbiota in mice.](#)

**BMC microbiology** , Volume: 20 Issue: 1 2020 Mar 24

Authors Li L,Su Y,Li F,Wang Y,Ma Z,Li Z,Su J

[Isolation and structure characterization of a polysaccharide from Crataegus pinnatifida and its bioactivity on gut microbiota.](#)

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

Authors Guo C,Zhang S,Wang Y,Li M,Ding K

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

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

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

[Effect of Saccharomyces boulardii CNCM I-745 as complementary treatment of Helicobacter pylori infection on gut microbiome.](#)

**European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology** , Volume: 39 Issue: 7 2020 Jul

Authors Cárdenas PA,Garcés D,Prado-Vivar B,Flores N,Fornasini M,Cohen H,Salvador I,Cargua O,Baldeón ME

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

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

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

[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

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

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

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

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

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

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

[Structural changes in gut microbiome after Ramadan fasting: a pilot study.](#)

**Beneficial microbes , Volume: 11 Issue: 3 2020 May 11**

Authors Ozkul C,Yalinay M,Karakan T

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

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

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

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

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

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

[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

[Effect of wheat bran derived prebiotic supplementation on gastrointestinal transit, gut microbiota, and metabolic health: a randomized controlled trial in healthy adults with a slow gut transit.](#)

**Gut microbes , Volume: 12 Issue: 1 2020 Nov 9**

Authors Müller M,Hermes GDA,Emanuel E C,Holst JJ,Zoetendal EG,Smidt H,Troost F,Schaap FG,Damink SO,Jocken JWE,Lenaerts K,Masclee AAM,Blaak EE

[Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome.](#)

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

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

[Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.](#)

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

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

[In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.](#)

**Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb**

Authors Henrique-Bana FC,Wang X,Costa GN,Spinosa WA,Miglioranza LHS,Scorletti E,Calder PC,Byrne CD,Gibson GR

[Clostridium butyricum Modulates the Microbiome to Protect Intestinal Barrier Function in Mice with Antibiotic-Induced Dysbiosis.](#)

**iScience , Volume: 23 Issue: 1 2020 Jan 24**

Authors Hagihara M,Kuroki Y,Ariyoshi T,Higashi S,Fukuda K,Yamashita R,Matsumoto A,Mori T,Mimura K,Yamaguchi N,Okada S,Nonogaki T,Ogawa T,Iwasaki K,Tomono S,Asai N,Koizumi Y,Oka K,Yamagishi Y,Takahashi M,Mikamo H

[Camellia sinensis and Litsea coreana Ameliorate Intestinal Inflammation and Modulate Gut Microbiota in Dextran Sulfate Sodium-Induced Colitis Mice.](#)

**Molecular nutrition & food research , Volume: 64 Issue: 6 2020 Mar**

Authors Liu Y,Wang X,Chen Q,Luo L,Ma M,Xiao B,Zeng L

[Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.](#)

**Gut microbes , 2020 Jan 13**

Authors Boling L,Cuevas DA,Grasis JA,Kang HS,Knowles B,Levi K,Maughan H,McNair K,Rojas MI,Sanchez SE,Smurthwaite C,Rohwer F

[Beneficial effect of GABA-rich fermented milk on insomnia involving regulation of gut microbiota.](#)

**Microbiological research , Volume: 233 2020 Jan 7**

Authors Yu L,Han X,Cen S,Duan H,Feng S,Xue Y,Tian F,Zhao J,Zhang H,Zhai Q,Chen W

[Cell Wall Integrity of Pulse Modulates the in Vitro Fecal Fermentation Rate and Microbiota Composition.](#)

**Journal of agricultural and food chemistry , Volume: 68 Issue: 4 2020 Jan 29**

Authors Guan N,He X,Wang S,Liu F,Huang Q,Fu X,Chen T,Zhang B

Food for thought about manipulating gut bacteria.

**Nature** , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM, Bindels LB

Islamic fasting leads to an increased abundance of Akkermansia muciniphila and Bacteroides fragilis group: A preliminary study on intermittent fasting.

**The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology** , Volume: 30 Issue: 12 2019 Dec

Authors Özkul C, Yalinay M, Karakan T

Walnuts and Vegetable Oils Containing Oleic Acid Differentially Affect the Gut Microbiota and Associations with Cardiovascular Risk Factors: Follow-up of a Randomized, Controlled, Feeding Trial in Adults at Risk for Cardiovascular Disease.

**The Journal of nutrition** , Volume: 150 Issue: 4 2020 Apr 1

Authors Tindall AM, McLimans CJ, Petersen KS, Kris-Etherton PM, Lamendella R

Changes in human gut microbiota composition are linked to the energy metabolic switch during 10 d of Buchinger fasting.

**Journal of nutritional science** , Volume: 8 2019

Authors Mesnage R, Grundle F, Schwiertz A, Le Maho Y, Wilhelmi de Toledo F

The Association Between Smoking and Gut Microbiome in Bangladesh.

**Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco** , Volume: 22 Issue: 8 2020 Jul 16

Authors Nolan-Kenney R, Wu F, Hu J, Yang L, Kelly D, Li H, Jasmine F, Kibriya MG, Parvez F, Shaheen I, Sarwar G, Ahmed A, Eunus M, Islam T, Pei Z, Ahsan H, Chen Y

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

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

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

Mixture of blackberry leaf and fruit extracts alleviates non-alcoholic steatosis, enhances intestinal integrity, and increases Lactobacillus and Akkermansia in rats.

**Experimental biology and medicine (Maywood, N.J.)** , Volume: 244 Issue: 18 2019 Dec

Authors Park S, Cho SM, Jin BR, Yang HJ, Yi QJ

Urolithin Metabotypes Can Determine the Modulation of Gut Microbiota in Healthy Individuals by Tracking Walnuts Consumption over Three Days.

**Nutrients** , Volume: 11 Issue: 10 2019 Oct 16

Authors Garcia-Manzanares I, Calatayud M, Romo-Vaquero M, Espín JC, Selma MV, Collado MC

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.

**European journal of nutrition** , 2019 Oct 11

Authors Hess AL, Benítez-Páez A, Blädel T, Larsen LH, Iglesias JR, Madera C, Sanz Y, Larsen TM, MyNewGut Consortium.

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

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

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

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

Almond Snacking for 8 wk Increases Alpha-Diversity of the Gastrointestinal Microbiome and Decreases Bacteroides fragilis Abundance Compared with an Isocaloric Snack in College Freshmen.

**Current developments in nutrition** , Volume: 3 Issue: 8 2019 Aug

Authors Dhillon J, Li Z, Ortiz RM

Dietary cranberry suppressed colonic inflammation and alleviated gut microbiota dysbiosis in dextran sodium sulfate-treated mice.

**Food & function** , Volume: 10 Issue: 10 2019 Oct 16

Authors Cai X, Han Y, Gu M, Song M, Wu X, Li Z, Li F, Goulette T, Xiao H

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

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

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

Wheat Gluten Regulates Cholesterol Metabolism by Modulating Gut Microbiota in Hamsters with Hyperlipidemia.

**Journal of oleo science** , Volume: 68 Issue: 9 2019

Authors Liang TT, Tong LT, Geng DH, Wang LL, Zhou XR, Pu HY, Jia W, Wu QP, Huang JR

Lactobacillus reuteri DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating

gut microbiota and boosting beneficial metabolites.

**American journal of physiology. Gastrointestinal and liver physiology** , 2019 Sep 4

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM

Green tea polyphenol (epigallocatechin-3-gallate) improves gut dysbiosis and serum bile acids dysregulation in high-fat diet-fed mice.

**Journal of clinical biochemistry and nutrition** , Volume: 65 Issue: 1 2019 Jul

Authors Ushiroda C,Naito Y,Takagi T,Uchiyama K,Mizushima K,Higashimura Y,Yasukawa Z,Okubo T,Inoue R,Honda A,Matsuzaki Y,Itoh Y

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

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

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

Dietary Factors and Modulation of Bacteria Strains of *Akkermansia muciniphila* and *Faecalibacterium prausnitzii*: A Systematic Review.

**Nutrients** , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

Daily intake of wheat germ-enriched bread may promote a healthy gut bacterial microbiota: a randomised controlled trial.

**European journal of nutrition** , Volume: 59 Issue: 5 2020 Aug

Authors Moreira-Rosário A,Marques C,Pinheiro H,Norberto S,Sintra D,Teixeira JA,Calhau C,Azevedo LF

Different duck products protein on rat physiology and gut microbiota.

**Journal of proteomics** , Volume: 206 2019 Jun 29

Authors Wei T,Dang Y,Cao J,Wu Z,He J,Sun Y,Pan D,Tian Z

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

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

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

Walnuts and Vegetable Oils Differentially Affect the Gut Microbiome and Associations with Cardiovascular Risk Factors (OR29-06-19).

**Current developments in nutrition** , Volume: 3 Issue: Suppl 1 2019 Jun

Authors Tindall A,McLimans C,Petersen K,Kris-Etherton P,Lamendella R

Dietary supplementation with probiotics regulates gut microbiota structure and function in Nile tilapia exposed to aluminum.

**PeerJ** , Volume: 7 2019

Authors Yu L,Qiao N,Li T,Yu R,Zhai Q,Tian F,Zhao J,Zhang H,Chen W

Effects of a formula with a probiotic *Bifidobacterium lactis* Supplement on the gut microbiota of low birth weight infants.

**European journal of nutrition** , Volume: 59 Issue: 4 2020 Jun

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

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

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

Authors Monk JM,Wu W,Lepp D,Wellings HR,Hutchinson AL,Liddle DM,Graf D,Pauls KP,Robinson LE,Power KA

*Bacteroides thetaiotaomicron* Starch Utilization Promotes Quercetin Degradation and Butyrate Production by *Eubacterium ramulus*.

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

Authors Rodríguez-Castaño GP,Dorris MR,Liu X,Bolling BW,Acosta-Gonzalez A,Rey FE

Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.

**Clinical nutrition (Edinburgh, Scotland)** , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

The effect of gut microbiota and probiotic organisms on the properties of extended spectrum beta-lactamase producing and carbapenem resistant Enterobacteriaceae including growth, beta-lactamase activity and gene transmissibility.

**Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy** , Volume: 25 Issue: 11 2019 Nov

Authors Kunishima H,Ishibashi N,Wada K,Oka K,Takahashi M,Yamasaki Y,Aoyagi T,Takemura H,Kitagawa M,Kaku M

Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in *Citrobacter rodentium*-Infected Mice.

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

Authors Lin R,Piao M,Song Y

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

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

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

[Fermented \*Momordica charantia\* L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.](#)

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

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

[Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.](#)

**The American journal of clinical nutrition** , Volume: 109 Issue: 6 2019 Jun 1

Authors Hiel S, Bindels LB, Pachikian BD, Kalala G, Broers V, Zamariola G, Chang BPI, Kambashi B, Rodriguez J, Cani PD, Neyrinck AM, Thissen JP, Luminet O, Bindelle J, Delzenne NM

[Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.](#)

**PloS one** , Volume: 14 Issue: 5 2019

Authors Miljkovic M, Jovanovic S, O'Connor PM, Mirkovic N, Jovicic B, Filipic B, Dinic M, Studholme DJ, Fira D, Cotter PD, Kojic M

[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

[Clostridium butyricum Strains Suppress Experimental Acute Pancreatitis by Maintaining Intestinal Homeostasis.](#)

**Molecular nutrition & food research** , 2019 Apr 29

Authors Pan LL, Niu W, Fang X, Liang W, Li H, Chen W, Zhang H, Bhatia M, Sun J

[In vitro modulation of human gut microbiota composition and metabolites by Bifidobacterium longum BB-46 and a citric pectin.](#)

**Food research international (Ottawa, Ont.)** , Volume: 120 2019 Jun

Authors Bianchi F, Larsen N, Tieghi TM, Adorno MAT, Saad SMI, Jespersen L, Sivieri K

[The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.](#)

**Frontiers in nutrition** , Volume: 6 2019

Authors Jefferson A, Adolphus K

[Lactobacillus reuteri Reduces the Severity of Experimental Autoimmune Encephalomyelitis in Mice by Modulating Gut Microbiota.](#)

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

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

[A ropy exopolysaccharide producing strain Bifidobacterium longum subsp. longum YS108R alleviates DSS-induced colitis by maintenance of the mucosal barrier and gut microbiota modulation.](#)

**Food & function** , Volume: 10 Issue: 3 2019 Mar 20

Authors Yan S, Yang B, Zhao J, Zhao J, Stanton C, Ross RP, Zhang H, Chen W

[Intestinal Morphologic and Microbiota Responses to Dietary <i>Bacillus</i> spp. in a Broiler Chicken Model.](#)

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

Authors Li CL, Wang J, Zhang HJ, Wu SG, Hui QR, Yang CB, Fang RJ, Qi GH

[Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.](#)

**PeerJ** , Volume: 7 2019

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

[Functional Interactions between Gut Microbiota Transplantation, Quercetin, and High-Fat Diet Determine Non-Alcoholic Fatty Liver Disease Development in Germ-Free Mice.](#)

**Molecular nutrition & food research** , Volume: 63 Issue: 8 2019 Apr

Authors Porras D, Nistal E, Martínez-Florez S, Olcoz JL, Jover R, Jorquera F, González-Gallego J, García-Mediavilla MV, Sánchez-Campos S

[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

[Arabinoxylan from Argentinian whole wheat flour promote the growth of Lactobacillus reuteri and Bifidobacterium breve.](#)

**Letters in applied microbiology** , Volume: 68 Issue: 2 2019 Feb

Authors Paesani C, Salvucci E, Moiraghi M, Fernandez Canigia L, Pérez GT

[Identification of factors involved in Enterococcus faecalis biofilm under quercetin stress.](#)

**Microbial pathogenesis** , Volume: 126 2019 Jan

Authors Qayyum S, Sharma D, Bisht D, Khan AU

Strategies to promote abundance of *Akkermansia muciniphila*, an emerging probiotics in the gut, evidence from dietary intervention studies.

**Journal of functional foods** , Volume: 33 2017 Jun

Authors Zhou K

Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development.

**Anaerobe** , Volume: 55 2019 Feb

Authors Velikonja A,Lipoglavšek L,Zorec M,Orel R,Avguštin G

Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.

**Gut microbes** , 2018 Nov 5

Authors Valcheva R,Koleva P,Martínez I,Walter J,Gänzle MG,Dieleman LA

Simultaneous Supplementation of *Bacillus subtilis* and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

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

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

Long-term intake of *Lactobacillus paracasei* KW3110 prevents age-related chronic inflammation and retinal cell loss in physiologically aged mice.

**Aging** , Volume: 10 Issue: 10 2018 Oct 19

Authors Morita Y,Jounai K,Sakamoto A,Tomita Y,Sugihara Y,Suzuki H,Ohshio K,Otake M,Fujiwara D,Kanauchi O,Maruyama M

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

Effects of dietary supplementation with *Clostridium butyricum* on laying performance, egg quality, serum parameters, and cecal microflora of laying hens in the late phase of production.

**Poultry science** , Volume: 98 Issue: 2 2019 Feb 1

Authors Zhan HQ,Dong XY,Li LL,Zheng YX,Gong YJ,Zou XT

Metagenome sequencing to analyze the impacts of thiamine supplementation on ruminal fungi in dairy cows fed high-concentrate diets.

**AMB Express** , Volume: 8 Issue: 1 2018 Oct 3

Authors Xue F,Nan X,Sun F,Pan X,Guo Y,Jiang L,Xiong B

Effects of 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,Morañas 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

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

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

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

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

Probiotic *Lactobacillus plantarum* Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.

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

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

Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.

**Archives of animal nutrition** , Volume: 72 Issue: 6 2018 Dec

Authors Li B,Schroyen M,Leblois J,Wavreille J,Soyeurt H,Bindelle J,Everaert N

The ameliorative effect of hemp seed hexane extracts on the *Propionibacterium acnes*-induced inflammation and lipogenesis in sebocytes.

**PloS one** , Volume: 13 Issue: 8 2018

Authors Jin S, Lee MY

Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and

[butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.](#)

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

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

[Modulation of gut microbiota from obese individuals by in vitro fermentation of citrus pectin in combination with Bifidobacterium longum BB-46.](#)

**Applied microbiology and biotechnology** , Volume: 102 Issue: 20 2018 Oct

Authors Bianchi F,Larsen N,de Mello Tieghi T,Adorno MAT,Kot W,Saad SMI,Jespersen L,Sivieri K

[The impact of Clostridium butyricum MIYAIRI 588 on the murine gut microbiome and colonic tissue.](#)

**Anaerobe** , Volume: 54 2018 Dec

Authors Hagihara M,Yamashita R,Matsumoto A,Mori T,Kuroki Y,Kudo H,Oka K,Takahashi M,Nonogaki T,Yamagishi Y,Mikamo H

[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 Hällenius F,Nyman M

[Diversity and probiotic potentials of lactic acid bacteria isolated from gılaburu, a traditional Turkish fermented European cranberrybush \(Viburnum opulus L.\) fruit drink.](#)

**Food research international (Ottawa, Ont.)** , Volume: 64 2014 Oct

Authors Sagdic O,Ozturk I,Yapar N,Yetim H

[Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.](#)

**The Journal of nutritional biochemistry** , Volume: 59 2018 Sep

Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK

[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

[Obesity treatment by epigallocatechin-3-gallate-regulated bile acid signaling and its enriched Akkermansia muciniphila.](#)

**FASEB journal : official publication of the Federation of American Societies for Experimental Biology** , Volume: 32 Issue: 12 2018 Jun 8

Authors Sheng L,Jena PK,Liu HX,Hu Y,Nagar N,Bronner DN,Settles ML,Bäumler AJ,Wan YY

[Effect of Lactobacillus paracasei CNCM I-1572 on symptoms, gut microbiota, short chain fatty acids, and immune activation in patients with irritable bowel syndrome: A pilot randomized clinical trial.](#)

**United European gastroenterology journal** , Volume: 6 Issue: 4 2018 May

Authors Cremon C,Guglielmetti S,Gargari G,Taverniti V,Castellazzi AM,Valsecchi C,Tagliacarne C,Fiore W,Bellini M,Bertani L,Gambaccini D,Cicala M,Germanà B,Vecchi M,Pagano I,Barbaro MR,Bellacosa L,Stanghellini V,Barbara G

[Intermittent Fasting Confers Protection in CNS Autoimmunity by Altering the Gut Microbiota.](#)

**Cell metabolism** , Volume: 27 Issue: 6 2018 Jun 5

Authors Cignarella F,Cantoni C,Ghezzi L,Salter A,Dorsett Y,Chen L,Phillips D,Weinstock GM,Fontana L,Cross AH,Zhou Y,Piccio L

[Chicory Roots for Prebiotics and Appetite Regulation: A Pilot Study in Mice.](#)

**Journal of agricultural and food chemistry** , Volume: 66 Issue: 25 2018 Jun 27

Authors Fouré M,Dugardin C,Foligné B,Hance P,Cadalen T,Delcourt A,Taminiau B,Daube G,Ravallec R,Cudennec B,Hilbert JL,Lucau-Danila A

[Role of probiotics in the treatment of minimal hepatic encephalopathy in patients with HBV-induced liver cirrhosis.](#)

**The Journal of international medical research** , Volume: 46 Issue: 9 2018 Sep

Authors Xia X,Chen J,Xia J,Wang B,Liu H,Yang L,Wang Y,Ling Z

[Effects of Whole-Grain Rice and Wheat on Composition of Gut Microbiota and Short-Chain Fatty Acids in Rats.](#)

**Journal of agricultural and food chemistry** , 2018 May 29

Authors Han F,Wang Y,Han Y,Zhao J,Han F,Song G,Jiang P,Miao H

[Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial.](#)

**The Journal of nutrition** , Volume: 148 Issue: 6 2018 Jun 1

Authors Holscher HD,Guetterman HM,Swanson KS,An R,Matthan NR,Lichtenstein AH,Novotny JA,Baer DJ

[Role of <i>Lactobacillus reuteri</i> in Human Health and Diseases.](#)

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

Authors Mu Q,Tavella VJ,Luo XM

APPLICATION OF DRY HAWTHORN (CRATAEGUS OXYACANTHA L.) EXTRACT IN NATURAL TOPICAL FORMULATIONS.**Acta poloniae pharmaceutica** , Volume: 73 Issue: 4 2016 Jul

Authors Stelmakiene A,Ramanauskienė K,Petrikaite V,Jakstas V,Briedis V

Smoking and the intestinal microbiome.**Archives of microbiology** , Volume: 200 Issue: 5 2018 Jul

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

Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.**Journal of applied microbiology** , Volume: 125 Issue: 1 2018 Jul

Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K

Effects of dietary *Bacillus amyloliquefaciens* supplementation on growth performance, intestinal morphology, inflammatory response, and microbiota of intra-uterine growth retarded weanling piglets.**Journal of animal science and biotechnology** , Volume: 9 2018

Authors Li Y,Zhang H,Su W,Ying Z,Chen Y,Zhang L,Lu Z,Wang T

Oral supplementation of *Bifidobacterium longum* strain BR-108 alters cecal microbiota by stimulating gut immune system in mice irrespectively of viability.**Bioscience, biotechnology, and biochemistry** , Volume: 82 Issue: 7 2018 Jul

Authors Makioka Y,Tsukahara T,Ijichi T,Inoue R

Extensive impact of non-antibiotic drugs on human gut bacteria.**Nature** , Volume: 555 Issue: 7698 2018 Mar 29

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

Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.**Nutrition & diabetes** , Volume: 8 Issue: 1 2018 Mar 7

Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM

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

Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among *Bifidobacterial* Strains Suggest Bacterial Cooperation.**Applied and environmental microbiology** , Volume: 84 Issue: 9 2018 May 1

Authors Rivière A,Selak M,Geirnaert A,Van den Abbeele P,De Vuyst L

A Walnut-Enriched Diet Affects Gut Microbiome in Healthy Caucasian Subjects: A Randomized, Controlled Trial.**Nutrients** , Volume: 10 Issue: 2 2018 Feb 22

Authors Bamberg C,Rossmeyer A,Lechner K,Wu L,Waldmann E,Fischer S,Stark RG,Altenhofer J,Henze K,Parhofer KG

Long-term treatment with green tea polyphenols modifies the gut microbiome of female sprague-dawley rats.**The Journal of nutritional biochemistry** , Volume: 56 2018 Jun

Authors Wang J,Tang L,Zhou H,Zhou J,Glenn TC,Shen CL,Wang JS

The effect of *Clostridium butyricum* on symptoms and fecal microbiota in diarrhea-dominant irritable bowel syndrome: a randomized, double-blind, placebo-controlled trial.**Scientific reports** , Volume: 8 Issue: 1 2018 Feb 14

Authors Sun YY,Li M,Li YY,Li LX,Zhai WZ,Wang P,Yang XX,Gu X,Song LJ,Li Z,Zuo XL,Li YQ

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.**Frontiers in microbiology** , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

Potential of *Lactobacillus plantarum* ZDY2013 and *Bifidobacterium bifidum* WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.**Canadian journal of microbiology** , 2018 Feb 5

Authors Wang Y,Guo Y,Chen H,Wei H,Wan C

[Assessment of the impact of vitamin and dietary fiber content in the diet on the characteristics of protective colon microbiota populations of rats].**Voprosy pitaniia** , Volume: 84 Issue: 6 2015

Authors Markova YM,Sheveleva SA

Almond Consumption and Processing Affects the Composition of the Gastrointestinal Microbiota of Healthy Adult Men and Women: A Randomized Controlled Trial.

**Nutrients** , Volume: 10 Issue: 2 2018 Jan 26

Authors Holscher HD,Taylor AM,Swanson KS,Novotny JA,Baer DJ

The modulatory effect of polyphenols from green tea, oolong tea and black tea on human intestinal microbiota in vitro.

**Journal of food science and technology** , Volume: 55 Issue: 1 2018 Jan

Authors Sun H,Chen Y,Cheng M,Zhang X,Zheng X,Zhang Z

Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.

**The British journal of nutrition** , Volume: 119 Issue: 2 2018 Jan

Authors Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J

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

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

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

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

**Journal of food protection** , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

Effects of fermented soymilk with Lactobacillus casei Shirota on skin condition and the gut microbiota: a randomised clinical pilot trial.

**Beneficial microbes** , Volume: 9 Issue: 2 2018 Feb 27

Authors Nagino T,Kaga C,Kano M,Masuoka N,Anbe M,Moriyama K,Maruyama K,Nakamura S,Shida K,Miyazaki K

Probiotics in 14-day triple therapy for Asian pediatric patients with Helicobacter pylori infection: a network meta-analysis.

**Oncotarget** , Volume: 8 Issue: 56 2017 Nov 10

Authors Wen J,Peng P,Chen P,Zeng L,Pan Q,Wei W,He J

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

Effects of Lactobacillus acidophilus on gut microbiota composition in broilers challenged with Clostridium perfringens.

**PloS one** , Volume: 12 Issue: 11 2017

Authors Li Z,Wang W,Liu D,Guo Y

Quercetin metabolism by fecal microbiota from healthy elderly human subjects.

**PloS one** , Volume: 12 Issue: 11 2017

Authors Tamura M,Hoshi C,Kobori M,Takahashi S,Tomita J,Nishimura M,Nishihira J

Benefits of Nut Consumption on Insulin Resistance and Cardiovascular Risk Factors: Multiple Potential Mechanisms of Actions

**Nutrients** , Volume: 9 Issue: 11 2017 Nov 22

Authors Kim Y,Keogh JB,Clifton PM

Camelina Seed Supplementation at Two Dietary Fat Levels Change Ruminal Bacterial Community Composition in a Dual-Flow Continuous Culture System.

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

Authors Dai X,Weimer PJ,Dill-McFarland KA,Brandao VLN,Suen G,Faciola AP

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

A polyphenol-rich cranberry extract reverses insulin resistance and hepatic steatosis independently of body weight loss.

**Molecular metabolism** , Volume: 6 Issue: 12 2017 Dec

Authors Anhê FF,Nachbar RT,Varin TV,Vilela V,Dudonné S,Pilon G,Fournier M,Lecours MA,Desjardins Y,Roy D,Levy E,Marette A

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

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

Authors Panee J,Gerschenson M,Chang L

*Clostridium butyricum* CGIMCC0313.1 Protects against Autoimmune Diabetes by Modulating Intestinal Immune Homeostasis and Inducing Pancreatic Regulatory T Cells.

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

Authors Jia L,Shan K,Pan LL,Feng N,Lv Z,Sun Y,Li J,Wu C,Zhang H,Chen W,Diana J,Sun J,Chen YQ

Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.

**Food & function** , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

[Indoor microbiota in severely moisture damaged homes and the impact of interventions.](#)

**Microbiome** , Volume: 5 Issue: 1 2017 Oct 13

Authors Jayaprakash B,Adams RI,Kirjavainen P,Karvonen A,Vepsäläinen A,Valkonen M,Järvi K,Sulyok M,Pekkanen J,Hyvärinen A,Täubel M

[Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.](#)

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

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

[Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminant Microbiota in Dairy Cows Fed High-Grain Diets.](#)

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

Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B

[Effect of Functional Oligosaccharides and Ordinary Dietary Fiber on Intestinal Microbiota Diversity.](#)

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

Authors Cheng W,Lu J,Li B,Lin W,Zhang Z,Wei X,Sun C,Chi M,Bi W,Yang B,Jiang A,Yuan J

[Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs.](#)

**The Journal of nutrition** , Volume: 147 Issue: 11 2017 Nov

Authors Foubse JM,Gänzle MG,Beattie AD,Vasanthan T,Zijlstra RT

[Navy and black bean supplementation primes the colonic mucosal microenvironment to improve gut health.](#)

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

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

[Assessment of plaque regrowth with a probiotic toothpaste containing \*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

[A yeast fermentate improves gastrointestinal discomfort and constipation by modulation of the gut microbiome: results from a randomized double-blind placebo-controlled pilot trial.](#)

**BMC complementary and alternative medicine** , Volume: 17 Issue: 1 2017 Sep 4

Authors Pinheiro I,Robinson L,Verhelst A,Marzorati M,Winkens B,den Abbeele PV,Possemiers S

[Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.](#)

**Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , 2017 Aug 29

Authors Lin TH,Pan TM

[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-Only alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.](#)

**Molecular medicine reports** , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

[Dietary Propolis Ameliorates Dextran Sulfate Sodium-Induced Colitis and Modulates the Gut Microbiota in Rats Fed a Western Diet.](#)

**Nutrients** , Volume: 9 Issue: 8 2017 Aug 14

Authors Wang K,Jin X,You M,Tian W,Le Leu RK,Topping DL,Conlon MA,Wu L,Hu F

[Changes in the gut microbial communities following addition of walnuts to the diet.](#)

**The Journal of nutritional biochemistry** , Volume: 48 2017 Oct

Authors Byerley LO,Samuels D,Blanchard E 4th,Luo M,Lorenzen BN,Banks S,Ponder MA,Welsh DA,Taylor CM

[Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.](#)

**Food & function** , Volume: 8 Issue: 9 2017 Sep 20

Authors Wang G,Li X,Zhao J,Zhang H,Chen W

[Disruption in the cecal microbiota of chickens challenged with Clostridium perfringens and other factors was alleviated by Bacillus licheniformis supplementation.](#)

**PLoS one** , Volume: 12 Issue: 8 2017

Authors Lin Y,Xu S,Zeng D,Ni X,Zhou M,Zeng Y,Wang H,Zhou Y,Zhu H,Pan K,Li G

[Specific Signatures of the Gut Microbiota and Increased Levels of Butyrate in Children Treated with Fermented Cow's Milk](#)

[Containing Heat-Killed Lactobacillus paracasei CBA L74.](#)

**Applied and environmental microbiology** , Volume: 83 Issue: 19 2017 Oct 1

Authors Berni Canani R,De Filippis F,Nocerino R,Laiola M,Paparo L,Calignano A,De Caro C,Coretti L,Chiariotti L,Gilbert JA,Ercolini D

[Efficacy of early chick nutrition with Aloe vera and Azadirachta indica on gut health and histomorphometry in chicks.](#)

**Veterinary world** , Volume: 10 Issue: 6 2017 Jun

Authors Sujatha T,Abhinaya S,Sunder J,Thangapandian M,Kundu A

[Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.](#)

**Scientific reports** , Volume: 7 Issue: 1 2017 Jul 17

Authors Suriano F,Bindels LB,Verspreet J,Courtin CM,Verbeke K,Cani PD,Neyrinck AM,Delzenne NM

[A human gut commensal ferments cranberry carbohydrates to produce formate.](#)

**Applied and environmental microbiology** , 2017 Jun 30

Authors Özcan E,Sun J,Rowley DC,Sela DA

[The effects of the Lactobacillus casei strain on obesity in children: a pilot study.](#)

**Beneficial microbes** , Volume: 8 Issue: 4 2017 Aug 24

Authors Nagata S,Chiba Y,Wang C,Yamashiro Y

[Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects.](#)

**Omics : a journal of integrative biology** , Volume: 22 Issue: 2 2018 Feb

Authors Bekiaries N,Krueger CG,Meudt JJ,Shanmuganayagam D,Reed JD

[Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome.](#)

**Environmental microbiology** , Volume: 19 Issue: 8 2017 Aug

Authors De Paepe K,Kerckhof FM,Verspreet J,Courtin CM,Van de Wiele T

[Different Types of Dietary Fibers Trigger Specific Alterations in Composition and Predicted Functions of Colonic Bacterial Communities in BALB/c Mice.](#)

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

Authors Luo Y,Zhang L,Li H,Smidt H,Wright AG,Zhang K,Ding X,Zeng Q,Bai S,Wang J,Li J,Zheng P,Tian G,Cai J,Chen D

[Recovery of ethanol-induced Akkermansia muciniphila depletion ameliorates alcoholic liver disease.](#)

**Gut** , 2017 May 26

Authors Grandt 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

[From the Cover: Aloin, a Component of the Aloe Vera Plant Leaf, Induces Pathological Changes and Modulates the Composition of Microbiota in the Large Intestines of F344/N Male Rats.](#)

**Toxicological sciences : an official journal of the Society of Toxicology** , Volume: 158 Issue: 2 2017 Aug 1

Authors Boudreau MD,Olson GR,Tryndyak VP,Bryant MS,Felton RP,Beland FA

[The Role of Carrageenan and Carboxymethylcellulose in the Development of Intestinal Inflammation.](#)

**Frontiers in pediatrics** , Volume: 5 2017

Authors Martino JV,Van Limbergen J,Cahill LE

[Effect of dietary supplementation with Lactobacillus acidophilus D2/CSL \(CECT 4529\) on caecum microbioma and productive performance in broiler chickens.](#)

**PloS one** , Volume: 12 Issue: 5 2017

Authors De Cesare A,Sirri F,Manfreda G,Moniaci P,Giardini A,Zampiga M,Meluzzi A

[Effect of Bacillus subtilis and Bacillus licheniformis supplementation in diets with low- and high-protein content on ileal crude protein and amino acid digestibility and intestinal microbiota composition of growing pigs.](#)

**Journal of animal science and biotechnology** , Volume: 8 2017

Authors Kaewtapee C,Burbach K,Tomforde G,Hartinger T,Camarinha-Silva A,Heinritz S,Seifert J,Wiltafsky M,Mosenthin R,Rosenfelder-Kuon P

[Lactobacillus casei Zhang and vitamin K2 prevent intestinal tumorigenesis in mice via adiponectin-elevated different signaling pathways.](#)

**Oncotarget** , Volume: 8 Issue: 15 2017 Apr 11

Authors Zhang Y,Ma C,Zhao J,Xu H,Hou Q,Zhang H

[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

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

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

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

Influence of diet on the gut microbiome and implications for human health.

**Journal of translational medicine** , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

Impact of probiotic *Saccharomyces boulardii* on the gut microbiome composition in HIV-treated patients: A double-blind, randomised, placebo-controlled trial.

**PloS one** , Volume: 12 Issue: 4 2017

Authors Villar-García J,Güerri-Fernández R,Moya A,González A,Hernández JJ,Lerma E,Guelar A,Sorli L,Horcajada JP,Artacho A,D Auria G,Knobel H

Antagonistic Activity of *Lactobacillus reuteri* Strains on the Adhesion Characteristics of Selected Pathogens.

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

Authors Singh TP,Kaur G,Kapila S,Malik RK

Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.

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

Authors Li J,Hou Q,Zhang J,Xu H,Sun Z,Menghe B,Zhang H

Good Bugs vs Bad Bugs: Evaluation of Inhibitory Effect of Selected Probiotics against *Enterococcus faecalis*.

**The journal of contemporary dental practice** , Volume: 18 Issue: 4 2017 Apr 1

Authors Bohora AA,Kokate SR

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

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

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

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

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

Authors Abu Hafsa SH,Ibrahim SA

Influence of ad Libitum Feeding of Piglets With *Bacillus Subtilis* Fermented Liquid Feed on Gut Flora, Luminal Contents and Health.

**Scientific reports** , Volume: 7 2017 Mar 14

Authors He Y,Mao C,Wen H,Chen Z,Lai T,Li L,Lu W,Wu H

Key bacterial families (Clostridiaceae, Erysipelotrichaceae and Bacteroidaceae) are related to the digestion of protein and energy in dogs.

**PeerJ** , Volume: 5 2017

Authors Bermingham EN,Maclean P,Thomas DG,Cave NJ,Young W

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

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

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

Raw meat based diet influences faecal microbiome and end products of fermentation in healthy dogs.

**BMC veterinary research** , Volume: 13 Issue: 1 2017 Feb 28

Authors Sandri M,Dal Monego S,Conte G,Sgorlon S,Stefanon B

Specific inulin-type fructan fibers protect against autoimmune diabetes by modulating gut immunity, barrier function, and microbiota homeostasis.

**Molecular nutrition & food research** , Volume: 61 Issue: 8 2017 Aug

Authors Chen K,Chen H,Faas MM,de Haan BJ,Li J,Xiao P,Zhang H,Diana J,de Vos P,Sun J

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.

**Gut** , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J

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

Drunk bugs: Chronic vapour alcohol exposure induces marked changes in the gut microbiome in mice.

**Behavioural brain research** , Volume: 323 2017 Apr 14

Authors Peterson VL,Jury NJ,Cabrera-Rubio R,Draper LA,Crispie F,Cotter PD,Dinan TG,Holmes A,Cryan JF

A metagenomic study of the preventive effect of *Lactobacillus rhamnosus* GG on intestinal polyp formation in *Apc<sup>Min/+</sup>* mice.

**Journal of applied microbiology** , Volume: 122 Issue: 3 2017 Mar

Authors Ni Y,Wong VH,Tai WC,Li J,Wong WY,Lee MM,Fong FL,El-Nezami H,Panagiotou G

[Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.](#)

**Diabetes** , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM,Kim TT,Denou E,Soltys CM,Hamza SM,Byrne NJ,Masson G,Park H,Wishart DS,Madsen KL,Schertzer JD,Dyck JR

[Gut-borne Saccharomyces cerevisiae, a promising candidate for the formulation of feed additives, modulates immune system and gut microbiota.](#)

**Beneficial microbes** , Volume: 7 Issue: 5 2016 Nov 30

Authors García G,Dogí C,de Moreno de LeBlanc A,Greco C,Cavaglieri L

[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

[Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.](#)

**Poultry science** , Volume: 96 Issue: 5 2017 May 1

Authors Guo JR,Dong XF,Liu S,Tong JM

[Effect of Chicory-derived Inulin on Abdominal Sensations and Bowel Motor Function.](#)

**Journal of clinical gastroenterology** , Volume: 51 Issue: 7 2017 Aug

Authors Azpiroz F,Molne L,Mendez S,Nieto A,Manichanh C,Mego M,Accarino A,Santos J,Sailer M,Theis S,Guarner F

[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

[Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with Lactobacillus plantarum ZDY2013.](#)

**Journal of dairy science** , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

[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 dietary fibre source on microbiota composition in the large intestine of suckling piglets.](#)

**FEMS microbiology letters** , Volume: 363 Issue: 14 2016 Jul

Authors Zhang L,Mu C,He X,Su Y,Mao S,Zhang J,Smidt H,Zhu W

[A proteomic approach towards understanding the cross talk between Bacteroides fragilis and Bifidobacterium longum in coculture.](#)

**Canadian journal of microbiology** , Volume: 62 Issue: 7 2016 Jul

Authors Rios-Covián D,Sánchez B,Martínez N,Cuesta I,Hernández-Barranco AM,de Los Reyes-Gavilán CG,Gueimonde M

[Screening of Bifidobacteria and Lactobacilli Able to Antagonize the Cytotoxic Effect of Clostridium difficile upon Intestinal Epithelial HT29 Monolayer.](#)

**Frontiers in microbiology** , Volume: 7 2016

Authors Valdés-Varela L,Alonso-Guervos M,García-Suárez O,Gueimonde M,Ruas-Madiedo P

[Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.](#)

**Poultry science** , Volume: 95 Issue: 11 2016 Nov 1

Authors Forte C,Acuti G,Manuali E,Casagrande Proietti P,Pavone S,Trabalza-Marinucci M,Moscato L,Onofri A,Lorenzetti C,Franciosi MP

[Effect of probiotic yoghurt on animal-based diet-induced change in gut microbiota: an open, randomised, parallel-group study.](#)

**Beneficial microbes** , Volume: 7 Issue: 4 2016 Sep

Authors Odamaki T,Kato K,Sugahara H,Xiao JZ,Abe F,Benno Y

[Lactobacillus rhamnosus GG Intake Modifies Preschool Children`s Intestinal Microbiota, Alleviates Penicillin-Associated Changes, and Reduces Antibiotic Use.](#)

**PloS one** , Volume: 11 Issue: 4 2016

Authors Korpela K,Salonen A,Virta LJ,Kumpu M,Kekkonen RA,de Vos WM

[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

[Intake of Meat Proteins Substantially Increased the Relative Abundance of Genus Lactobacillus in Rat Feces.](#)

**PloS one** , Volume: 11 Issue: 4 2016

Authors Zhu Y,Lin X,Li H,Li Y,Shi X,Zhao F,Xu X,Li C,Zhou G

[Effect of Formula Containing Lactobacillus reuteri DSM 17938 on Fecal Microbiota of Infants Born by Cesarean-Section.](#)

**Journal of pediatric gastroenterology and nutrition** , Volume: 63 Issue: 6 2016 Dec

Authors Garcia Rodenas CL,Lepage M,Ngom-Bru C,Fotiou A,Papagaroufalas K,Berger B

[In vitro extraction and fermentation of polyphenols from grape seeds \(Vitis vinifera\) by human intestinal microbiota.](#)

**Food & function** , Volume: 7 Issue: 4 2016 Apr

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

[Impact of probiotic supplements on microbiome diversity following antibiotic treatment of mice](#)

**Gut Microbes** , Volume: 7 Issue: 2 2016 Mar 10

Authors Grazul H,Kanda LL,Gondek D

[Effect of Wheat Dietary Fiber Particle Size during Digestion In Vitro on Bile Acid, Faecal Bacteria and Short-Chain Fatty Acid Content.](#)

**Plant foods for human nutrition (Dordrecht, Netherlands)** , Volume: 71 Issue: 2 2016 Jun

Authors Dziedzic K,Szwengel A,Górecka D,Gujaska E,Kaczkowska J,Drozdzyńska A,Walkowiak J

[Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.](#)

**Food & function** , Volume: 7 Issue: 3 2016 Mar

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

[High Molecular Weight Barley  \$\beta\$ -Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.](#)

**Frontiers in microbiology** , Volume: 7 2016

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

[Triggering Akkermansia with dietary polyphenols: A new weapon to combat the metabolic syndrome?](#)

**Gut microbes** , Volume: 7 Issue: 2 2016

Authors Anhê FF,Pilon G,Roy D,Desjardins Y,Levy E,Marette A

[Diets enriched with cranberry beans alter the microbiota and mitigate colitis severity and associated inflammation.](#)

**The Journal of nutritional biochemistry** , Volume: 28 2016 Feb

Authors Monk JM,Lepp D,Zhang CP,Wu W,Zarepoor L,Lu JT,Pauls KP,Tsao R,Wood GA,Robinson LE,Power KA

[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

[Antimicrobial Properties of a Potential Probiotic Lactobacillus from Thai Newborn Feces.](#)

**Journal of the Medical Association of Thailand = Chotmaihet thangphaet** , Volume: 98 Suppl 9 2015 Oct

Authors Chimchang J,Theparee T,Ladda B,Tanasupawat S,Wongsatayanon BT,Taweechoitipatr M

[Evaluation of probiotic properties of Lactobacillus plantarum WLPLO4 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

[Probiotic Characteristics of Lactobacillus plantarum FH185 Isolated from Human Feces.](#)

**Korean journal for food science of animal resources** , Volume: 35 Issue: 5 2015

Authors Park SY,Lim SD

[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

[The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent.](#)

**PloS one** , Volume: 10 Issue: 12 2015

Authors Aktas B,De Wolfe TJ,Tandee K,Safdar N,Darien BJ,Steele JL

Fecal microbiome of growing pigs fed a cereal based diet including chicory (*Cichorium intybus* L.) or ribwort (*Plantago lanceolata* L.) forage.

**Journal of animal science and biotechnology** , Volume: 6 2015

Authors Dicksved J,Jansson JK,Lindberg JE

Effects of probiotics *Pediococcus acidilactici* strain MA18/5M and *Saccharomyces cerevisiae* subsp. *boulardii* strain SB-CNCM I-1079 on fecal and intestinal microbiota of nursing and weanling piglets.

**Journal of animal science** , Volume: 93 Issue: 11 2015 Nov

Authors Brousseau JP,Talbot G,Beaudoin F,Lauzon K,Roy D,Lessard M

Membrane filter method to study the effects of *Lactobacillus acidophilus* and *Bifidobacterium longum* on fecal microbiota.

**Microbiology and immunology** , Volume: 59 Issue: 11 2015 Nov

Authors Shimizu H,Benno Y

Effect of *Bacillus subtilis* CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.

**Journal of applied microbiology** , Volume: 120 Issue: 1 2016 Jan

Authors Li Y,Xu Q,Huang Z,Lv L,Liu X,Yin C,Yan H,Yuan J

Meat, dairy and plant proteins alter bacterial composition of rat gut bacteria.

**Scientific reports** , Volume: 5 2015 Oct 14

Authors Zhu Y,Lin X,Zhao F,Shi X,Li H,Li Y,Zhu W,Xu X,Li C,Zhou G

*Brevibacillus laterosporus*, a Pathogen of Invertebrates and a Broad-Spectrum Antimicrobial Species.

**Insects** , Volume: 4 Issue: 3 2013 Sep 5

Authors Ruiu L

Bacteriocin-producing strains of *Lactobacillus plantarum* inhibit adhesion of *Staphylococcus aureus* to extracellular matrix: quantitative insight and implications in antibacterial therapy.

**Journal of medical microbiology** , Volume: 64 Issue: 12 2015 Dec

Authors Mukherjee S,Ramesh A

Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects.

**Food & function** , Volume: 7 Issue: 1 2016 Jan

Authors Cuervo A,Hevia A,López P,Suárez A,Díaz C,Sánchez B,Margolles A,González S

Stability of saliva microbiota during moderate consumption of red wine.

**Archives of oral biology** , Volume: 60 Issue: 12 2015 Dec

Authors Barroso E,Martín V,Martínez-Cuesta MC,Peláez C,Requena T

Microbial populations and fermentation profiles in rumen liquid and solids of Holstein cows respond differently to dietary barley processing.

**Journal of applied microbiology** , Volume: 119 Issue: 6 2015 Dec

Authors Metzler-Zebeli BU,Khol-Parisini A,Gruber L,Zebeli Q

*Lactobacillus rhamnosus* GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.

**The ISME journal** , Volume: 10 Issue: 3 2016 Mar

Authors Berni Canani R,Sangwan N,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR

Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.

**Applied and environmental microbiology** , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurro E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

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

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

Authors Ci XK,Chen LP,Ou XY

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

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

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

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

*Saccharomyces boulardii* CNCM I-745 supports regeneration of the intestinal microbiota after diarrheic dysbiosis - a review.

**Clinical and experimental gastroenterology** , Volume: 8 2015

Authors Moré M,Swidsinski A

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

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

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

[*Lactobacillus rhamnosus* GG inhibits *Cronobacter*-induced meningitis in neonatal rats].

**Nan fang yi ke da xue xue bao = Journal of Southern Medical University** , Volume: 35 Issue: 8 2015 Aug

Authors Zhong L,Lin R,Long B,Wu X,Fan H

[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

[Potential protective effects of Clostridium butyricum on experimental gastric ulcers in mice.](#)

**World journal of gastroenterology** , Volume: 21 Issue: 27 2015 Jul 21

Authors Wang FY,Liu JM,Luo HH,Liu AH,Jiang Y

[Agave Inulin Supplementation Affects the Fecal Microbiota of Healthy Adults Participating in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial.](#)

**The Journal of nutrition** , Volume: 145 Issue: 9 2015 Sep

Authors Holscher HD,Bauer LL,Gourineni V,Pelkman CL,Fahey GC Jr,Swanson KS

[Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.](#)

**Molecular nutrition & food research** , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

[Wheat and barley differently affect porcine intestinal microbiota.](#)

**Journal of the science of food and agriculture** , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

[In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.](#)

**Journal of dairy science** , Volume: 98 Issue: 9 2015 Sep

Authors Huang R,Tao X,Wan C,Li S,Xu H,Xu F,Shah NP,Wei H

[In situ identification and quantification of starch-hydrolyzing bacteria attached to barley and corn grain in the rumen of cows fed barley-based diets.](#)

**FEMS microbiology ecology** , Volume: 91 Issue: 8 2015 Aug

Authors Xia Y,Kong Y,Seviour R,Yang HE,Forster R,Vasanthan T,McAllister T

[Dietary modulation of the gut microbiota—a randomised controlled trial in obese postmenopausal women.](#)

**The British journal of nutrition** , Volume: 114 Issue: 3 2015 Aug 14

Authors Brahe LK,Le Chatelier E,Prifti E,Pons N,Kennedy S,Blædel T,Håkansson J,Dalsgaard TK,Hansen T,Pedersen O,Astrup A,Ehrlich SD,Larsen LH

[In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.](#)

**Journal of microbiology and biotechnology** , Volume: 25 Issue: 9 2015 Sep

Authors Jung TH,Jeon WM,Han KS

[Butyrylated starch intake can prevent red meat-induced O6-methyl-2-deoxyguanosine adducts in human rectal tissue: a randomised clinical trial.](#)

**The British journal of nutrition** , Volume: 114 Issue: 2 2015 Jul

Authors Le Leu RK,Winter JM,Christophersen CT,Young GP,Humphreys KJ,Hu Y,Gratz SW,Miller RB,Topping DL,Bird AR,Conlon MA

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

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

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

[Bacillus coagulans GBI-30, 6086 Modulates Faecalibacterium prausnitzii in Older Men and Women.](#)

**The Journal of nutrition** , Volume: 145 Issue: 7 2015 Jul

Authors Nyangale EP,Farmer S,Cash HA,Keller D,Chernoff D,Gibson GR

[Oral Microbiota Shift after 12-Week Supplementation with Lactobacillus reuteri DSM 17938 and PTA 5289; A Randomized Control Trial.](#)

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

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

[Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.](#)

**The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi** , Volume: 65 Issue: 4 2015 Apr

Authors Shadnough M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M

[Antifungal and antibacterial metabolites from a French poplar type propolis.](#)

**Evidence-based complementary and alternative medicine : eCAM** , Volume: 2015 2015

Authors Boisard S,Le Ray AM,Landreau A,Kempf M,Cassisa V,Flurin C,Richomme P

[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

[Monosodium L-Glutamate and Dietary Fat Differently Modify the Composition of the Intestinal Microbiota in Growing Pigs.](#)

**Obesity facts** , Volume: 8 Issue: 2 2015

Authors Feng ZM,Li TJ,Wu L,Xiao DF,Blachier F,Yin YL

[Increased gut microbiota diversity and abundance of Faecalibacterium prausnitzii and Akkermansia after fasting: a pilot study.](#)

**Wiener klinische Wochenschrift** , Volume: 127 Issue: 9-10 2015 May

Authors Remely M,Hippe B,Geretschlaeger I,Stegmayer S,Hoefinger I,Haslberger A

[Red wine consumption is associated with fecal microbiota and malondialdehyde in a human population.](#)

**Journal of the American College of Nutrition** , Volume: 34 Issue: 2 2015

Authors Cuervo A,Reyes-Gavilán CG,Ruas-Madiedo P,Lopez P,Suarez A,Gueimonde M,González S

[Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.](#)

**Nutrients** , Volume: 7 Issue: 2 2015 Feb 16

Authors Sheflin AM,Borresen EC,Wdowik MJ,Rao S,Brown RJ,Heuberger AL,Broeckling CD,Weir TL,Ryan EP

[Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.](#)

**Probiotics and antimicrobial proteins** , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY

[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

[Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber.](#)

**The American journal of clinical nutrition** , Volume: 101 Issue: 2 2015 Feb

Authors Vitaglione P,Mennella I,Ferracane R,Rivellese AA,Giacco R,Ercolini D,Gibbons SM,La Storia A,Gilbert JA,Jonnalagadda S,Thielecke F,Gallo MA,Scalfi L,Fogliano V

[Inhibitory effects of different lactobacilli on Candida albicans hyphal formation and biofilm development.](#)

**Journal of biological regulators and homeostatic agents** , Volume: 28 Issue: 4 2014 Oct-Dec

Authors Orsi CF,Sabia C,Ardizzoni A,Colombari B,Neglia RG,Peppoloni S,Morace G,Blasi E

[Dietary Enterococcus faecalis LAB31 improves growth performance, reduces diarrhea, and increases fecal Lactobacillus number of weaned piglets.](#)

**PloS one** , Volume: 10 Issue: 1 2015

Authors Hu Y,Dun Y,Li S,Zhang D,Peng N,Zhao S,Liang Y

[Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed chardonnay grape seed flour.](#)

**Journal of agricultural and food chemistry** , Volume: 63 Issue: 5 2015 Feb 11

Authors Kim H,Kim DH,Seo KH,Chon JW,Nah SY,Bartley GE,Arvik T,Lipson R,Yokoyama W

[Effects of the probiotic Enterococcus faecium NCIMB 10415 on selected lactic acid bacteria and enterobacteria in co-culture.](#)

**Beneficial microbes** , Volume: 6 Issue: 3 2015

Authors Starke IC,Zentek J,Vahjen W

[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

[Arabinoxylan in wheat is more responsible than cellulose for promoting intestinal barrier function in weaned male piglets.](#)

**The Journal of nutrition** , Volume: 145 Issue: 1 2015 Jan

Authors Chen H,Wang W,Degroote J,Possemiers S,Chen D,De Smet S,Michiels J

[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

[\[Chicory extract's influence on gut bacteria of abdominal obesity rat\].](#)

**Zhongguo Zhong yao za zhi = Zhongguo zhongyao zazhi = China journal of Chinese materia medica** , Volume: 39 Issue: 11 2014 Jun

Authors Sun BY,Zhang B,Lin ZJ,Li LY,Wang HP,Zhou J

[Effect of \*Bacillus subtilis\* C-3102 spores as a probiotic feed supplement on growth performance, noxious gas emission, and intestinal microflora in broilers.](#)

**Poultry science** , Volume: 93 Issue: 12 2014 Dec

Authors Jeong JS,Kim IH

[Effect of prebiotics on the fecal microbiota of elderly volunteers after dietary supplementation of \*Bacillus coagulans\* GBI-30, 6086.](#)

**Anaerobe** , Volume: 30 2014 Dec

Authors 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

[Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.](#)

**Anaerobe** , Volume: 30 2014 Dec

Authors Pitta DW,Pinchak WE,Dowd S,Dorton K,Yoon I,Min BR,Fulford JD,Wickersham TA,Malinowski DP

[Coexpression and secretion of endoglucanase and phytase genes in \*Lactobacillus reuteri\*.](#)

**International journal of molecular sciences** , Volume: 15 Issue: 7 2014 Jul 21

Authors Wang L,Yang Y,Cai B,Cao P,Yang M,Chen Y

[Effect of Feeding \*Bacillus subtilis\* natto on Hindgut Fermentation and Microbiota of Holstein Dairy Cows.](#)

**Asian-Australasian journal of animal sciences** , Volume: 27 Issue: 4 2014 Apr

Authors Song DJ,Kang HY,Wang JQ,Peng H,Bu DP

[Effect of oral consumption of probiotic \*Lactobacillus planatarum\* P-8 on fecal microbiota, SigA, SCFAs, and TBAs of adults of different ages.](#)

**Nutrition (Burbank, Los Angeles County, Calif.)** , Volume: 30 Issue: 7-8 2014 Jul-Aug

Authors Wang L,Zhang J,Guo Z,Kwok L,Ma C,Zhang W,Lv Q,Huang W,Zhang H

[Effects of probiotic \*Enterococcus faecium\* and \*Saccharomyces cerevisiae\* on the faecal microflora of pet rabbits.](#)

**The Journal of small animal practice** , Volume: 55 Issue: 9 2014 Sep

Authors Benato L,Hastie P,O`Shaughnessy P,Murray JA,Meredith A

[High levels of Bifidobacteria are associated with increased levels of anthocyanin microbial metabolites: a randomized clinical trial.](#)

**Food & function** , Volume: 5 Issue: 8 2014 Aug

Authors Boto-Ordóñez M,Urpi-Sarda M,Queipo-Ortuño MI,Tulipani S,Tinahones FJ,Andres-Lacueva C

[Effects of diet on gut microbiota profile and the implications for health and disease.](#)

**Bioscience of microbiota, food and health** , Volume: 32 Issue: 1 2013

Authors Lee YK

[Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.](#)

**Applied microbiology and biotechnology** , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E, Van de Wiele T, Jiménez-Girón A, Muñoz-González I, Martín-Alvarez PJ, Moreno-Arribas MV, Bartolomé B, Peláez C, Martínez-Cuesta MC, Requena T

[Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.](#)

**Food & function** , Volume: 5 Issue: 6 2014 Jun

Authors Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G

[454 pyrosequencing reveals changes in the faecal microbiota of adults consuming \*Lactobacillus casei\* Zhang.](#)

**FEMS microbiology ecology** , Volume: 88 Issue: 3 2014 Jun

Authors Zhang J,Wang L,Guo Z,Sun Z,Gesudu Q,Kwok L,Menghebillige,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 Hijova E,Szabadosova V,Strojny L,Bomba A*

Effects of Clostridium butyricum on growth performance, immune function, and cecal microflora in broiler chickens challenged with Escherichia coli K88.

**Poultry science** , Volume: 93 Issue: 1 2014 Jan

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

Antimicrobial and anti-adhesive properties of biosurfactant produced by lactobacilli isolates, biofilm formation and aggregation ability.

**The Journal of general and applied microbiology** , Volume: 59 Issue: 6 2013

*Authors Zakaria Gomaa E*

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*

Doenjang, a fermented Korean soybean paste, inhibits lipopolysaccharide production of gut microbiota in mice.

**Journal of medicinal food** , Volume: 17 Issue: 1 2014 Jan

*Authors Jang SE,Kim KA,Han MJ,Kim DH*

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*

Chicory (Cichorium intybus L.) and cereals differently affect gut development in broiler chickens and young pigs.

**Journal of animal science and biotechnology** , Volume: 4 Issue: 1 2013 Dec 17

*Authors Liu H,Ivarsson E,Lundh T,Lindberg JE*

Prebiotic effects of almonds and almond skins on intestinal microbiota in healthy adult humans.

**Anaerobe** , Volume: 26 2014 Apr

*Authors Liu Z,Lin X,Huang G,Zhang W,Rao P,Ni L*

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*

Role of probiotics in the prevention and treatment of meticillin-resistant Staphylococcus aureus infections.

**International journal of antimicrobial agents** , Volume: 42 Issue: 6 2013 Dec

*Authors Sikorska H,Smoragiewicz W*

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

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

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

Probiotic features of two oral Lactobacillus isolates.

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

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

[Food value of cichorium intybus].

**Voprosy pitaniia** , Volume: 82 Issue: 2 2013

*Authors Luzina EV*

Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.

**Molecular nutrition & food research** , Volume: 57 Issue: 12 2013 Dec

*Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ*

In vitro characterization of the impact of selected dietary fibers on fecal microbiota composition and short chain fatty acid production.

**Anaerobe** , Volume: 23 2013 Oct

*Authors Yang J,Martinez I,Walter J,Keshavarzian A,Rose DJ*

Effects of microencapsulated Enterococcus faecalis CG1.0007 on growth performance, antioxidation activity, and intestinal microbiota in broiler chickens.

**Journal of animal science** , Volume: 91 Issue: 9 2013 Sep

*Authors Han W,Zhang XL,Wang DW,Li LY,Liu GL,Li AK,Zhao YX*

Probiotic Lactobacillus reuteri attenuates the stressor-enhanced severity of Citrobacter rodentium infection.

**Infection and immunity** , Volume: 81 Issue: 9 2013 Sep

*Authors Mackos AR,Eubank TD,Parry NM,Bailey MT*

In vitro evaluation of Portuguese propolis and floral sources for antiprotozoal, antibacterial and antifungal activity.

**Phytotherapy research : PTR , Volume: 28 Issue: 3 2014 Mar**

*Authors Falcão SI,Vale N,Cos P,Gomes P,Freire C,Maes L,Vilas-Boas M*

Fiber and prebiotics: mechanisms and health benefits.

**Nutrients , Volume: 5 Issue: 4 2013 Apr 22**

*Authors Slavin J*

Inulin-type fructans with different degrees of polymerization improve lipid metabolism but not glucose metabolism in rats fed a high-fat diet under energy restriction.

**Digestive diseases and sciences , Volume: 58 Issue: 8 2013 Aug**

*Authors Han KH,Tsuchihira H,Nakamura Y,Shimada K,Ohba K,Aritsuka T,Uchino H,Kikuchi H,Fukushima M*

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

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

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

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

**Anaerobe , Volume: 20 2013 Apr**

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

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*

In vitro antimicrobial assessment of Cuban propolis extracts.

**Memorias do Instituto Oswaldo Cruz , Volume: 107 Issue: 8 2012 Dec**

*Authors Monzote L,Cuesta-Rubio O,Campo Fernandez M,Márquez Hernandez I,Fraga J,Pérez K,Kerstens M,Maes L,Cos P*

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*

Synergistic effects of honey and propolis toward drug multi-resistant Staphylococcus aureus, Escherichia coli and Candida albicans isolates in single and polymicrobial cultures.

**International journal of medical sciences , Volume: 9 Issue: 9 2012**

*Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K*

Effects of oat  $\beta$ -glucan and barley  $\beta$ -glucan on fecal characteristics, intestinal microflora, and intestinal bacterial metabolites in rats.

**Journal of agricultural and food chemistry , Volume: 60 Issue: 45 2012 Nov 14**

*Authors Shen RL,Dang XY,Dong JL,Hu XZ*

Gut microbiome composition is linked to whole grain-induced immunological improvements.

**The ISME journal , Volume: 7 Issue: 2 2013 Feb**

*Authors Martínez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J*

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*

The inhibitory activity of typhoid propolis against Enterococcus species.

**Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 67 Issue: 5-6 2012 May-Jun**

*Authors Moncla BJ,Guevara PW,Wallace JA,Marcucci MC,Nor JE,Bretz WA*

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

[Inulin modifies the bifidobacteria population, fecal lactate concentration, and fecal pH but does not influence iron absorption in women with low iron status.](#)

**The American journal of clinical nutrition** , Volume: 96 Issue: 2 2012 Aug

Authors Petry N,Egji I,Chassard C,Lacroix C,Hurrell R

[The in vitro antimicrobial activities of metabolites from lactobacillus strains on Candida species implicated in Candida vaginitis.](#)

**The Malaysian journal of medical sciences : MJMS** , Volume: 18 Issue: 4 2011 Oct

Authors Ogunshe AA,Omotoso MA,Bello VB

[Microbiota benefits after inulin and partially hydrolyzed guar gum supplementation: a randomized clinical trial in constipated women.](#)

**Nutricion hospitalaria** , Volume: 27 Issue: 1 2012 Jan-Feb

Authors Linetzky Waitzberg D,Alves Pereira CC,Logullo L,Manzoni Jacintho T,Almeida D,Teixeira da Silva ML,Matos de Miranda Torrinhas RS

[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

[Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal inflammation and Smad 7 cell signaling.](#)

**FEMS immunology and medical microbiology** , Volume: 65 Issue: 3 2012 Aug

Authors Foye OT,Huang IF,Chiou CC,Walker WA,Shi HN

[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,Motył I

[Effect of Lactobacillus reuteri on the proliferation of Propionibacterium acnes and Staphylococcus epidermidis.](#)

**Journal of microbiology (Seoul, Korea)** , Volume: 50 Issue: 1 2012 Feb

Authors Kang MS,Oh JS,Lee SW,Lim HS,Choi NK,Kim SM

[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,Hervert-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I

[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

[Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice.](#)

**PloS one** , Volume: 6 Issue: 6 2011

Authors Neyrinck AM,Possemiers S,Druart C,Van de Wiele T,De Backer F,Cani PD,Larondelle Y,Delzenne NM

[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

[Effect of  \$\beta\$ -glucanase and xylanase supplementation of barley- and rye-based diets on caecal microbiota of broiler chickens.](#)

**British poultry science** , Volume: 51 Issue: 4 2010 Aug

Authors Jozefiak D,Rutkowski A,Kaczmarek S,Jensen BB,Engberg RM,Højberg O

[\[Functional biostructure of colonic microbiota \(central fermenting area, germinal stock area and separating mucus layer\) in healthy subjects and patients with diarrhea treated with Saccharomyces boulardii\].](#)

**Gastroenterologie clinique et biologique** , Volume: 34 Suppl 1 2010 Sep

Authors Swidsinski A,Loening-Baucke V,Kirsch S,Doerffel Y

[Oral administration of Clostridium butyricum for modulating gastrointestinal microflora in mice.](#)

**Current microbiology** , Volume: 62 Issue: 2 2011 Feb

Authors Kong Q,He GQ,Jia JL,Zhu QL,Ruan H

[In vitro evaluation of the microbiota modulation abilities of different sized whole oat grain flakes.](#)

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

Authors Connolly ML,Lovegrove JA,Tuohy KM

[In vitro antibacterial, cytotoxic and antioxidant activities of plant Nephelium longan.](#)

**Pakistan journal of biological sciences : PJBS** , Volume: 13 Issue: 1 2010 Jan 1

*Authors Ripa FA,Haque M,Bulbul U*

Feed supplementation of *Lactobacillus plantarum* PCA 236 modulates gut microbiota and milk fatty acid composition in dairy goats—a preliminary study.

**International journal of food microbiology** , Volume: 141 Suppl 1 2010 Jul 31

*Authors Maragkoudakis PA,Mountzouris KC,Rosu C,Zoumpopoulou G,Papadimitriou K,Dalaka E,Hadjipetrou A,Theofanous G,Strozzi GP,Carlini N,Zervas G,Tsakalidou E*

In vitro evaluation of the prebiotic properties of almond skins (*Amygdalus communis* L.).

**FEMS microbiology letters** , Volume: 304 Issue: 2 2010 Mar

*Authors Mandalari G,Faulks RM,Bisignano C,Waldron KW,Narbad A,Wickham MS*

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*

Comparisons of subgingival microbial profiles of refractory periodontitis, severe periodontitis, and periodontal health using the human oral microbe identification microarray.

**Journal of periodontology** , Volume: 80 Issue: 9 2009 Sep

*Authors Colombo AP,Boches SK,Cotton SL,Goodson JM,Kent R,Haffajee AD,Socransky SS,Hasturk H,Van Dyke TE,Dewhirst F,Paster BJ*

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*

Antibacterial activity of the broad bean extracts on resistant bacteria.

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

*Authors Peyvast G,Khorsandi Z*

Antimicrobial effects of Turkish propolis, pollen, and laurel on spoilage and pathogenic food-related microorganisms.

**Journal of medicinal food** , Volume: 11 Issue: 3 2008 Sep

*Authors Erkmén O,Ozcan MM*

Anti-inflammatory, gastroprotective, free-radical-scavenging, and antimicrobial activities of hawthorn berries ethanol extract.

**Journal of agricultural and food chemistry** , Volume: 56 Issue: 17 2008 Sep 10

*Authors Tadic VM,Dobric S,Markovic GM,Dordevic SM,Arsic IA,Menkovic NR,Stevic T*

Therapeutic potential of two probiotics in inflammatory bowel disease as observed in the trinitrobenzene sulfonic acid model of colitis.

**Diseases of the colon and rectum** , Volume: 51 Issue: 12 2008 Dec

*Authors Amit-Romach E,Uni Z,Reifen R*

Exopolysaccharides produced by intestinal *Bifidobacterium* strains act as fermentable substrates for human intestinal bacteria.

**Applied and environmental microbiology** , Volume: 74 Issue: 15 2008 Aug

*Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG*

Potential prebiotic properties of almond (*Amygdalus communis* L.) seeds.

**Applied and environmental microbiology** , Volume: 74 Issue: 14 2008 Jul

*Authors Mandalari G,Nueno-Palop C,Bisignano G,Wickham MS,Narbad A*

Potential prebiotic properties of almond (*Amygdalus communis* L.) seeds.

**Applied and environmental microbiology** , Volume: 74 Issue: 14 2008 Jul

*Authors Mandalari G,Nueno-Palop C,Bisignano G,Wickham MS,Narbad A*

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*

Effect of Aloe vera whole leaf extract on short chain fatty acids production by *Bacteroides fragilis*, *Bifidobacterium infantis* and *Eubacterium limosum*.

**Letters in applied microbiology** , Volume: 46 Issue: 5 2008 May

*Authors Pogribna M,Freeman JP,Paine D,Boudreau MD*

Bioactive properties and chemical composition of six walnut (*Juglans regia* L.) cultivars.

**Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association** , Volume: 46 Issue: 6 2008 Jun

*Authors Pereira JA,Oliveira I,Sousa A,Ferreira IC,Bento A,Estevinho L*

Baseline microbiota activity and initial bifidobacteria counts influence responses to prebiotic dosing in healthy subjects.

**Alimentary pharmacology & therapeutics** , Volume: 27 Issue: 6 2008 Mar 15

*Authors de Preter V,Vanhoutte T,Huys G,Swings J,Rutgeerts P,Verbeke K*

Inhibitory effect of Gram-negative and Gram-positive microorganisms against Helicobacter pylori clinical isolates.

**The Journal of antimicrobial chemotherapy** , Volume: 61 Issue: 1 2008 Jan

Authors López-Brea M,Alarcón T,Domingo D,Díaz-Regañón J

Whole-grain wheat breakfast cereal has a prebiotic effect on the human gut microbiota: a double-blind, placebo-controlled, crossover study.

**The British journal of nutrition** , Volume: 99 Issue: 1 2008 Jan

Authors Costabile A,Klinder A,Fava F,Napolitano A,Fogliano V,Leonard C,Gibson GR,Tuohy KM

Brazilian green propolis on Helicobacter pylori infection. a pilot clinical study.

**Helicobacter** , Volume: 12 Issue: 5 2007 Oct

Authors Coelho LG,Bastos EM,Resende CC,Paula e Silva CM,Sanches BS,de Castro FJ,Moretzsohn LD,Vieira WL,Trindade OR

Evaluation of fermentable oligosaccharides in diets fed to dogs in comparison to fiber standards.

**Journal of animal science** , Volume: 85 Issue: 11 2007 Nov

Authors Middelbos IS,Fasting ND,Fahey GC Jr

Berry anthocyanins as novel antioxidants in human health and disease prevention.

**Molecular nutrition & food research** , Volume: 51 Issue: 6 2007 Jun

Authors Zafra-Stone S,Yasmin T,Bagchi M,Chatterjee A,Vinson JA,Bagchi D

Jerusalem artichoke and chicory inulin in bakery products affect faecal microbiota of healthy volunteers.

**The British journal of nutrition** , Volume: 98 Issue: 3 2007 Sep

Authors Kleessen B,Schwarz S,Boehm A,Fuhrmann H,Richter A,Henle T,Krueger M

Impact of consumption of different levels of Bifidobacterium lactis HN019 on the intestinal microflora of elderly human subjects.

**The journal of nutrition, health & aging** , Volume: 11 Issue: 1 2007 Jan-Feb

Authors Ahmed M,Prasad J,Gill H,Stevenson L,Gopal P

Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.

**Asia Pacific journal of clinical nutrition** , Volume: 16 Issue: 1 2007

Authors Kim SH,Lee DH,Meyer D

Effects of Bifidobacterium lactis Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.

**Journal of clinical microbiology** , Volume: 44 Issue: 11 2006 Nov

Authors Mohan R,Koebnick C,Schildt J,Schmidt S,Mueller M,Possner M,Radke M,Blaut M

In vitro activity of Bulgarian propolis against 94 clinical isolates of anaerobic bacteria.

**Anaerobe** , Volume: 12 Issue: 4 2006 Aug

Authors Boyanova L,Kolarov R,Gergova G,Mitov I

Susceptibility of Prevotella intermedia/Prevotella nigrescens (and Porphyromonas gingivalis) to propolis (bee glue) and other antimicrobial agents.

**Anaerobe** , Volume: 8 Issue: 1 2002 Feb

Authors Santos FA,Bastos EM,Rodrigues PH,de Uzeda M,de Carvalho MA,Farias Lde M,Moreira ES

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

Effects of combining extracts (from propolis or Zingiber officinale) with clarithromycin on Helicobacter pylori.

**Phytotherapy research : PTR** , Volume: 20 Issue: 3 2006 Mar

Authors Nostro A,Cellini L,Di Bartolomeo S,Cannatelli MA,Di Campi E,Procopio F,Grande R,Marzio L,Alonzo V

Prebiotic effects of chicory inulin in the simulator of the human intestinal microbial ecosystem.

**FEMS microbiology ecology** , Volume: 51 Issue: 1 2004 Dec 27

Authors de Wiele TV,Boon N,Possemiers S,Jacobs H,Verstraete W

Antibacterial effect of plant extracts against Helicobacter pylori.

**Phytotherapy research : PTR** , Volume: 19 Issue: 3 2005 Mar

Authors Nostro A,Cellini L,Di Bartolomeo S,Di Campi E,Grande R,Cannatelli MA,Marzio L,Alonzo V

Activity of Bulgarian propolis against 94 Helicobacter pylori strains in vitro by agar-well diffusion, agar dilution and disc diffusion methods.

**Journal of medical microbiology** , Volume: 54 Issue: Pt 5 2005 May

Authors Boyanova L,Gergova G,Nikolov R,Derejian S,Lazarova E,Katsarov N,Mitov I,Krastev Z

Propolis extract as an adjuvant to periodontal treatment.

**Oral health & preventive dentistry** , Volume: 1 Issue: 1 2003

Authors Gebaraa EC,Pustiglioni AN,de Lima LA,Mayer MP

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

[Inhibition of Helicobacter pylori in vitro by various berry extracts, with enhanced susceptibility to clarithromycin.](#)**Molecular and cellular biochemistry , Volume: 265 Issue: 1-2 2004 Oct**

Authors Chatterjee A,Yasmin T,Bagchi D,Stohs SJ

[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

[Enteral feeding of premature infants with Saccharomyces boulardii.](#)**Early human development , Volume: 74 Issue: 2 2003 Nov**

Authors Costalos C,Skouteri V,Gounaris A,Sevastiadou S,Triandafilidou A,Ekonomidou C,Kontaxaki F,Petrochilou V

[Resveratrol and red wine extracts inhibit the growth of CagA+ strains of Helicobacter pylori in vitro.](#)**The American journal of gastroenterology , Volume: 98 Issue: 6 2003 Jun**

Authors Mahady GB,Pendland SL,Chadwick LR

[Brazilian propolis: physicochemical properties, plant origin and antibacterial activity on periodontopathogens.](#)**Phytotherapy research : PTR , Volume: 17 Issue: 3 2003 Mar**

Authors Santos FA,Bastos EM,Maia AB,Uzeda M,Carvalho MA,Farias LM,Moreira ES

[Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.](#)**The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec**

Authors Dongowski G,Huth M,Gebhardt E,Flamme W

[Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.](#)**Applied and environmental microbiology , Volume: 68 Issue: 10 2002 Oct**

Authors Apajalahti JH,Kettunen H,Kettunen A,Holben WE,Nurminen PH,Rautonen N,Mutanen M

[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

[Enrichment of bifidobacteria in the hen caeca by dietary inulin.](#)**Folia microbiologica , Volume: 46 Issue: 1 2001**

Authors Rada V,Dusková D,Marounek M,Petr J

[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

[Egyptian propolis: 1-antimicrobial activity and chemical composition of Upper Egypt propolis.](#)**Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 56 Issue: 1-2 2001 Jan-Feb**

Authors Hegazi AG,El Hady FK

[Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.](#)**Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May**

Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG

[Fn-type chicory inulin hydrolysate has a prebiotic effect in humans.](#)**The Journal of nutrition , Volume: 130 Issue: 5 2000 May**

Authors Menne E,Guggenbuhl N,Roberfroid M

[Chemical composition and antimicrobial activity of European propolis.](#)**Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 1-2 2000 Jan-Feb**

Authors Hegazi AG,Abd El Hady FK,Abd Allah FA

[Changes in fecal microflora induced by intubation of mice with Bacillus subtilis \(natto\) spores are dependent upon dietary components.](#)**Canadian journal of microbiology , Volume: 45 Issue: 1 1999 Jan**

Authors Hosoi T,Ametani A,Kiuchi K,Kaminogawa S

[\[Antagonistic interaction between Clostridium butyricum and enterohemorrhagic Escherichia coli O157:H7\].](#)**Kansenshogaku zasshi. The Journal of the Japanese Association for Infectious Diseases , Volume: 73 Issue: 1 1999 Jan**

Authors Takahashi M,Taguchi H,Yamaguchi H,Osaki T,Sakazaki R,Kamiya S

Does probiotics administration decrease serum endotoxin levels in infants?

**Journal of pediatric surgery** , Volume: 34 Issue: 2 1999 Feb

Authors Urao M,Fujimoto T,Lane GJ,Seo G,Miyano T

Increased growth of Bifidobacterium and Eubacterium by germinated barley foodstuff, accompanied by enhanced butyrate production in healthy volunteers.

**International journal of molecular medicine** , Volume: 3 Issue: 2 1999 Feb

Authors Kanauchi O,Fujiyama Y,Mitsuyama K,Araki Y,Ishii T,Nakamura T,Hitomi Y,Agata K,Saiki T,Andoh A,Toyonaga A,Bamba T

The effect of consumption of milk fermented by Lactobacillus casei strain Shirota on the intestinal microflora and immune parameters in humans.

**European journal of clinical nutrition** , Volume: 52 Issue: 12 1998 Dec

Authors Spanhaak S,Havenaar R,Schaafsma G

The colonization of a simulator of the human intestinal microbial ecosystem by a probiotic strain fed on a fermented oat bran product: effects on the gastrointestinal microbiota.

**Applied microbiology and biotechnology** , Volume: 50 Issue: 2 1998 Aug

Authors Kontula P,Jaskari J,Nollet L,De Smet I,von Wright A,Poutanen K,Mattila-Sandholm T

Effects of 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

Antimicrobial compounds from Lactobacillus casei and Lactobacillus helveticus.

**The new microbiologica** , Volume: 16 Issue: 2 1993 Apr

Authors Vescovo M,Scolari GL,Caravaggi L,Bottazzi V

Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin.

**Gastroenterology** , Volume: 108 Issue: 4 1995 Apr

Authors Gibson GR,Beatty ER,Wang X,Cummings JH

The effect of a probiotic on faecal and liver lipid classes in rats.

**The British journal of nutrition** , Volume: 73 Issue: 5 1995 May

Authors Fukushima M,Nakano M

Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.

**The Journal of applied bacteriology** , Volume: 62 Issue: 3 1987 Mar

Authors Slade AP,Wyatt GM,Bayliss CE,Waites WM

[Selective effect of propolis in the isolation of Listeria monocytogenes (author's transl)].

**Nordisk veterinærmedicin** , Volume: 29 Issue: 10 1977 Oct

Authors Aspoy E

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

[Research cited on Manufacture Website].

**Research cited on Manufacture Website** , Volume: 0 Issue: 0 2018 Jan

Authors Miyarisan Labs

## Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease  
Amyotrophic lateral sclerosis (ALS) Motor Neuron  
Ankylosing spondylitis  
Anorexia Nervosa  
Antiphospholipid syndrome (APS)  
Asthma  
Atherosclerosis  
Atrial fibrillation  
Autism  
Autoimmune Disease  
Barrett esophagus cancer  
benign prostatic hyperplasia  
Biofilm  
Bipolar Disorder  
Brain Trauma  
Breast Cancer  
Cancer (General)  
Carcinoma  
cdk15 deficiency disorder  
Celiac Disease  
Cerebral Palsy  
Chronic Fatigue Syndrome  
Chronic Kidney Disease  
Chronic Lyme  
Chronic Obstructive Pulmonary Disease (COPD)  
Chronic Urticaria (Hives)  
Coagulation / Micro clot triggering bacteria  
Cognitive Function  
Colorectal Cancer  
Constipation  
Coronary artery disease  
COVID-19  
Crohn's Disease  
Cushing's Syndrome (hypercortisolism)  
cystic fibrosis  
d-lactic acidosis (one form of brain fog)  
deep vein thrombosis  
Denture Wearers Oral Shifts  
Depression  
Dermatomyositis  
Eczema  
Endometriosis  
Eosinophilic Esophagitis  
Epilepsy  
erectile dysfunction  
Fibromyalgia  
Food Allergy  
Functional constipation / chronic idiopathic constipation  
gallstone disease (gsd)  
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus  
Generalized anxiety disorder  
giant cell arteritis  
Glioblastoma  
Gout  
Graves' disease  
Gulf War Syndrome  
Halitosis  
Hashimoto's thyroiditis

Heart Failure  
hemorrhagic stroke  
Hemorrhoidal disease, Hemorrhoids, Piles  
Hidradenitis Suppurativa  
High Histamine/low DAO  
hypercholesterolemia (High Cholesterol)  
hyperglycemia  
Hyperlipidemia (High Blood Fats)  
hypersomnia  
hypertension (High Blood Pressure)  
Hypothyroidism  
Hypoxia  
IgA nephropathy (IgAN)  
Inflammatory Bowel Disease  
Insomnia  
Intelligence  
Intracranial aneurysms  
Irritable Bowel Syndrome  
ischemic stroke  
Juvenile idiopathic arthritis  
Liver Cirrhosis  
Long COVID  
Low bone mineral density  
Lung Cancer  
Lymphoma  
Mast Cell Issues/ mastitis  
ME/CFS with IBS  
ME/CFS without IBS  
membranous nephropathy  
Menopause  
Metabolic Syndrome  
Mood Disorders  
multiple chemical sensitivity [MCS]  
Multiple Sclerosis  
Multiple system atrophy (MSA)  
myasthenia gravis  
neuropathic pain  
Neuropathy (all types)  
neuropsychiatric disorders (PANDAS, PANS)  
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic  
NonCeliac Gluten Sensitivity  
Obesity  
obsessive-compulsive disorder  
Osteoarthritis  
Osteoporosis  
pancreatic cancer  
Parkinson's Disease  
Peanut Allergy  
Polycystic ovary syndrome  
Postural orthostatic tachycardia syndrome  
Premenstrual dysphoric disorder  
primary biliary cholangitis  
Primary sclerosing cholangitis  
Psoriasis  
rheumatoid arthritis (RA), Spondyloarthritis (SpA)  
Rosacea  
Schizophrenia  
scoliosis

**sensorineural hearing loss**

**Sjögren syndrome**

**Sleep Apnea**

**Slow gastric motility / Gastroparesis**

**Small Intestinal Bacterial Overgrowth (SIBO)**

**Stress / posttraumatic stress disorder**

**Systemic Lupus Erythematosus**

**Tic Disorder**

**Tourette syndrome**

**Type 1 Diabetes**

**Type 2 Diabetes**

**Ulcerative colitis**

**Unhealthy Ageing**

**Vitiligo**