

## Microbiome Information for: COVID-19

### For 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 COVID-19

*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	Selenomonas	genus	High	970
Agaricomycetes	class	High	155619	Senegalimassilia	genus	Low	1473205
Bacilli	class	High	91061	Shigella	genus	High	620
Betaproteobacteria	class	High	28216	Slackia	genus	Low	84108
Clostridia	class	Low	186801	Solobacterium	genus	High	123375
Deltaproteobacteria	class	High	28221	Staphylococcus	genus	High	1279
Fusobacteria	class	Low	203490	Streptococcus	genus	High	1301
Gammaproteobacteria	class	High	1236	Treponema	genus	High	157
Spirochaetia	class	Low	203692	Veillonella	genus	High	29465
Acetobacteraceae	family	High	433	Weissella	genus	High	46255
Aerococcaceae	family	High	186827	Dothideales	order	High	5014
Aeromonadaceae	family	Low	84642	Enterobacterales	order	High	91347
Bacteroidaceae	family	Low	815	Lactobacillales	order	High	186826
Carnobacteriaceae	family	Low	186828	Spirochaetales	order	Low	136
Christensenellaceae	family	High	990719	[Clostridium] colinum	species	Low	36835
Clostridiaceae	family	Low	31979	[Clostridium] innocuum	species	High	1522
Coriobacteriaceae	family	Low	84107	[Clostridium] leptum	species	Low	1535
Corynebacteriaceae	family	High	1653	[Clostridium] nexile	species	Low	29361
Demabacteraceae	family	High	85020	[Clostridium] piliforme	species	High	1524
Desulfovibrionaceae	family	High	194924	Acinetobacter baumannii	species	High	470
Enterobacteriaceae	family	High	543	Acinetobacter bereziniae	species	High	106648
Erysipelotrichaceae	family	High	128827	Actinomyces viscosus	species	High	1656
Flavobacteriaceae	family	High	49546	Adlercreutzia equolifaciens	species	Low	446660
Lactobacillaceae	family	High	33958	Agathobacter rectalis	species	Low	39491
Methylobacteriaceae	family	High	119045	Alistipes finegoldii	species	High	214856
Mycoplasmataceae	family	Low	2092	Alistipes indistinctus	species	Low	626932
Nitrobacteraceae	family	High	41294	Alistipes onderdonkii	species	High	328813
Nitrospiraceae	family	Low	189779	Alistipes putredinis	species	Low	28117
Oscillospiraceae	family	Low	216572	Alistipes shahii	species	Low	328814
Peptococcaceae	family	High	186807	Alloprevotella tanneriae	species	High	76122
Peptostreptococcaceae	family	High	186804	Anaerobutyricum hallii	species	Low	39488
Rikenellaceae	family	High	171550	Anaerostipes hadrus	species	High	649756
Ruminococcaceae	family	Low	541000	Aspergillus flavus	species	High	5059
Staphylococcaceae	family	High	90964	Aspergillus fumigatus	species	High	746128
Streptococcaceae	family	High	1300	Bacteroides caccae	species	Low	47678
Vibrionaceae	family	High	641	Bacteroides cellulosilyticus	species	Low	246787
Acinetobacter	genus	High	469	Bacteroides eggerthii	species	Low	28111
Actinomyces	genus	High	1654	Bacteroides graminisolvens	species	High	477666
Adlercreutzia	genus	Low	447020	Bacteroides luti	species	Low	1297750
Agathobacter	genus	Low	1766253	Bacteroides nordii	species	High	291645
Akkermansia	genus	Low	239934				

<b>Bacteria Name</b>	<b>Rank Shift</b>	<b>Taxonomy ID</b>	<b>Bacteria Name</b>	<b>Rank Shift</b>	<b>Taxonomy ID</b>
Alistipes	genus Low	239759	Bacteroides ovatus	species High	28116
Alloprevotella	genus High	1283313	Bacteroides salyersiae	species Low	291644
Anaerococcus	genus Low	165779	Bacteroides stercoris	species High	46506
Anaerostipes	genus Low	207244	Bacteroides thetaiotaomicron	species Low	818
Aspergillus	genus High	5052	Bifidobacterium adolescentis	species High	1680
Atopobium	genus High	1380	Bifidobacterium bifidum	species Low	1681
Aureobasidium	genus High	5579	Bifidobacterium longum	species High	216816
Bacillus	genus High	1386	Bifidobacterium pseudocatenulatum	species Low	28026
Bacteroides	genus High	816	Blastocystis hominis	species Low	12968
Bifidobacterium	genus Low	1678	Blautia hominis	species Low	2025493
Blastocystis	genus High	12967	Blautia obeum	species Low	40520
Blautia	genus Low	572511	Burkholderia cepacia	species High	292
Burkholderia	genus High	32008	Burkholderiales bacterium 1_1_47	species Low	469610
Butyricoccus	genus Low	580596	Candida albicans	species High	5476
Butyrivibrio	genus Low	830	Candida parapsilosis	species Low	5480
Campylobacter	genus High	194	Clostridium butyricum	species Low	1492
Candida	genus High	5475	Collinsella aerofaciens	species High	74426
Candida	genus High	1535326	Coprobacter fastidiosus	species Low	1099853
Citrobacter	genus High	544	Coprococcus catus	species Low	116085
Clostridium	genus High	1485	Dientamoeba fragilis	species High	43352
Collinsella	genus Low	102106	Dorea longicatena	species Low	88431
Coprobacillus	genus High	100883	Eggerthella lenta	species High	84112
Coprobacter	genus High	1348911	Elizabethkingia meningoseptica	species High	238
Coprococcus	genus Low	33042	Enterobacter cloacae	species Low	550
Corynebacterium	genus High	1716	Enterocloster citroniae	species High	358743
Cutibacterium	genus Low	1912216	Enterocloster clostridioformis	species Low	1531
Debaryomyces	genus High	4958	Enterococcus avium	species High	33945
Desulfovibrio	genus High	872	Enterococcus durans	species High	53345
Dialister	genus High	39948	Escherichia coli	species High	562
Dorea	genus Low	189330	Eubacterium limosum	species Low	1736
Eggerthella	genus High	84111	Eubacterium ventriosum	species Low	39496
Enterococcus	genus High	1350	Faecalibacterium prausnitzii	species Low	853
Enterorhabdus	genus Low	580024	Gemmiger formicilis	species Low	745368
Erysipelatoclostridium	genus High	1505663	Hoylesella nanceiensis	species Low	425941
Escherichia	genus High	561	Hungatella hathewayi	species High	154046
Eubacterium	genus Low	1730	Klebsiella pneumoniae	species High	573
Faecalibacterium	genus Low	216851	Lachnospira eligens	species Low	39485
Fingoldia	genus High	150022	Lachnospiraceae bacterium 1_1_57FAA	species High	658081
Fuscatenibacter	genus Low	1407607	Lachnospiraceae bacterium 1_4_56FAA	species High	658655
Fusobacterium	genus High	848	Lachnospiraceae bacterium 2_1_58FAA	species High	658082
Gemella	genus High	1378	Lawsonibacter asaccharolyticus	species Low	2108523
Granulicatella	genus High	117563	Limosilactobacillus reuteri	species Low	1598
Haemophilus	genus Low	724	Listeria monocytogenes	species High	1639
Helicobacter	genus High	209	Mediterraneibacter gnavus	species Low	33038
Herbaspirillum	genus High	963			
Holdemania	genus High	61170			
Howardella	genus High	404402			

<b>Bacteria Name</b>	<b>Rank Shift</b>	<b>Taxonomy ID</b>	<b>Bacteria Name</b>	<b>Rank Shift</b>	<b>Taxonomy ID</b>
Lactobacillus	genus High	1578	Morganella morganii	species High	582
Lawsonella	genus Low	1847725	Mycoplasma pneumoniae	species High	2104
Mogibacterium	genus High	86331	Odoribacter splanchnicus	species Low	28118
Moraxella	genus High	475	Parabacteroides merdae	species High	46503
Mycoplasma	genus High	2093	Parasutterella excrementihominis	species Low	487175
Nakaseomyces	genus High	374468	Penicillium citrinum	species Low	5077
Neisseria	genus High	482	Phocaeicola coprophilus	species High	387090
Odoribacter	genus High	283168	Phocaeicola dorei	species Low	357276
Oribacterium	genus High	265975	Phocaeicola massiliensis	species Low	204516
Oscillospira	genus Low	119852	Phocaeicola plebeius	species High	310297
Parabacteroides	genus High	375288	Prevotella bivia	species High	28125
Parasutterella	genus High	577310	Pseudomonas aeruginosa	species High	287
Peptostreptococcus	genus High	1257	Pseudomonas veronii	species High	76761
Phascolarctobacterium	genus Low	33024	Roseburia intestinalis	species Low	166486
Porphyromonas	genus Low	836	Rothia mucilaginosa	species High	43675
Prevotella	genus High	838	Ruminococcus albus	species High	1264
Pseudomonas	genus High	286	Ruminococcus bromii	species Low	40518
Romboutsia	genus Low	1501226	Segatella copri	species Low	165179
Roseburia	genus Low	841	Serratia marcescens	species High	615
Rothia	genus High	32207	Staphylococcus aureus	species High	1280
Rothia	genus High	508215	Staphylococcus epidermidis	species High	1282
Ruminiclostridium	genus High	1508657	Stenotrophomonas maltophilia	species High	40324
Ruminococcus	genus Low	1263	Streptococcus infantis	species High	68892
Ruthenibacterium	genus High	1905344	Streptococcus oralis	species High	1303
Salmonella	genus High	590	Streptococcus pneumoniae	species High	1313
			Streptococcus salivarius	species Low	1304
			Streptococcus thermophilus	species High	1308
			Thomasclavelia ramosa	species High	1547
			Veillonella dispar	species Low	39778
			Veillonella parvula	species Low	29466

## 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.

Antibiotics annotated with [CFS] have been used with various degree of success with Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, Chronic Lyme, Chronic Q-Fever and Long COVID conditions. Rotation of antibiotics with 3 weeks off between courses is recommended.

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements} 400 mg/day

high red meat

high-fat diets

High-protein diet {Atkins low-carbohydrate diet}

proton-pump inhibitors (prescription) 60 mg/day

Sucralose {Splenda} 340 mg/day

Tobacco consumption {Smoking}

## 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}	fruit/legume fibre
bacillus	gentamicin
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	High-fibre diet {Whole food diet}
bifidobacterium	lactobacillus paracasei,lactobacillus acidophilus,bifidobacterium animalis
Bovine Milk Products {Dairy}	Lactobacillus plantarum {L. plantarum}
dietary fiber	lactobacillus rhamnosus gg,bifidobacterium animalis lactis ,lactobacillus paracasei {cvs maximum strength probiotic}
Diferuloylmethane {Curcumin}	oligosaccharides {oligosaccharides}
Fiber, total dietary	Slow digestible carbohydrates. {Low Glycemic}
fruit	Thymus vulgaris {thyme}
	yogurt

## Sample of Literature Used

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

[Oral Microbiome Resilience During SARS-CoV-2 Infection and Diversity Shifts After COVID-19 Vaccination in a Hispanic Population.](#)

**MicrobiologyOpen** , Volume: 15 Issue: 3 2026 Jun

Authors Vargas-Robles D,Santos Agrait JL,Suárez-Pérez J,Vázquez F,Dominicci-Maura A,Sariol CA,Zorrilla C,Romaguera J,Godoy-Vitorino F

[Gut Microbiome Dysbiosis in COVID-19: A Systematic Review and Meta-Analysis of Diversity Indices, Taxa Alterations, and Mortality Risk.](#)

**Microorganisms** , Volume: 13 Issue: 11 2025 Nov 11

Authors Mateescu DM,Ilie AC,Cotet I,Guse C,Muresan CO,Pah AM,Badalica-Petrescu M,Iurciuc S,Craciun ML,Avram A,Margan MM,Enache A

[Dysbiosis of the oropharyngeal microbiota in COVID-19: distinct profiles in patients with severe respiratory symptoms.](#)

**Journal of oral microbiology** , Volume: 17 Issue: 1 2025

Authors Kumari V S S,Potdar V,Shinde M,Parashar D,Alagarasu K,Cherian S,Lavana M

[Virulence factors of Candida spp. isolated from COVID-19 patients: hydrolytic enzyme activity and biofilm formation.](#)

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

Authors Jabro dini A,Yazdanpanah S,Malekzadeh M,Shabanzadeh S,Ahmadyan M,Pakshir K,Zomorodian K

[Gut Microbiota as a Key Player in Health and Disease with a Focus on Long-Term Alterations in Post-COVID.](#)

**Digestive diseases (Basel, Switzerland)** , 2025 Oct 1

Authors Bacic A,Gmizic T,Takic T,Zdravkovic M,Brankovic M,Rajilic-Stojanovic M

[Altered Gut Microbiota and Predicted Immune Dysregulation in Early Childhood SARS-CoV-2 Infection.](#)

**Microorganisms** , Volume: 13 Issue: 8 2025 Aug 12

Authors Kim DH,Kwak BO,Cho KY

[Differential nasopharyngeal microbiota patterns: A comparative study of pneumococcal pneumonia, COVID-19, and healthy adults.](#)

**The Journal of infection** , Volume: 91 Issue: 3 2025 Aug 14

Authors Dietl B,Henares D,Cuchí E,Blanco-Fuertes M,Rajadell M,Brotans P,Lluansí A,Boix-Palop L,Calbo E,Muñoz-Almagro C

[Alterations of the gut commensal akkermansia muciniphila in patients with COVID-19.](#)

**Virulence** , 2025 May 13

Authors Dai ZM,Xu ML,Zhang QQ,Zhu B,Wu JZ,Liu Q,Li Y,Li HB

[Alterations in Gut Microbiome Composition and Increased Inflammatory Markers in Post-COVID-19 Individuals.](#)

**Molecular neurobiology** , 2025 Feb 18

Authors Barichello T,Kluwe-Schiavon B,Borba LA,Pedro LC,Niero FS,Dos Santos LN,Leonardo LM,Ignácio ZM,Morales R,Ceretta LB,Reus GZ

[Dysbiosis of gut microbiota in COVID-19 is associated with intestinal DNA phage dynamics of lysogenic and lytic infection.](#)

**Microbiology spectrum** , Volume: 13 Issue: 1 2025 Jan 7

Authors Ishizaka A,Tamura A,Koga M,Mizutani T,Yamayoshi S,Iwatsuki-Horimoto K,Yasuhara A,Yamamoto S,Nagai H,Adachi E,Suzuki Y,Kawaoka Y,Yotsuyanagi H

[Group A Streptococcus Infections in Children: Epidemiological Insights Before and After the COVID-19 Pandemic.](#)

**Pathogens (Basel, Switzerland)** , Volume: 13 Issue: 11 2024 Nov 15

Authors Karapati E,Tsantes AG,Iliodromiti Z,Boutsikou T,Paliatsiou S,Domouchtsidou A,Ioannou P,Petrakis V,Iacovidou N,Sokou R

[In Silico Analysis of Probiotic Bacteria Changes Across COVID-19 Severity Stages.](#)

**Microorganisms** , Volume: 12 Issue: 11 2024 Nov 18

Authors Taufer CR,da Silva J,Rampelotto PH

[Global Impact of COVID-19 Pandemic on Gastrointestinal Infections: A Scoping Review.](#)

**Foodborne pathogens and disease** , 2024 Nov 26

Authors Lazarakou A,Mughini-Gras L,Pijnacker R

[Impact of SARS-CoV-2 infection on respiratory and gut microbiome stability: a metagenomic investigation in long-term-hospitalized COVID-19 patients.](#)

**NPJ biofilms and microbiomes** , Volume: 10 Issue: 1 2024 Nov 13

Authors Li Z,Chen J,Li Y,Li L,Zhan Y,Yang J,Wu H,Li S,Mo X,Wang X,Mi Y,Zhou X,Li Y,Wang J,Li Y,Sun R,Cai W,Ye F

[A case of invasive Aspergillus niger spondylodiscitis with epidural abscess following COVID-19 infection in an immunocompromised host with literature review.](#)

**Annals of medicine and surgery (2012)** , Volume: 86 Issue: 11 2024 Nov

Authors Borni M,Kammoun B,Elleuch Kammoun E,Boudawara MZ

[Secondary Bacterial Infections in Critically Ill COVID-19 Patients Admitted in the Intensive Care Unit of a Tertiary Hospital in Romania.](#)

Journal of clinical medicine , Volume: 13 Issue: 20 2024 Oct 18

Authors Pinteá-Simon IA,Bancu L,Mare AD,Ciurea CN,Toma F,Brukner MC,Vasie?iu AM,Man A

[Emergence and spread of resistant and biofilm-forming Acinetobacter baumannii in critically ill COVID-19 patients.](#)

Microbial pathogenesis , Volume: 197 2024 Oct 22

Authors Silva RTPD,Rocha IV,Dantas TF,Silva JDS,Costa Júnior SDD,Luz ACO,Moreno M,Leal-Balbino TC,Araújo Lima AV,Silva EGD Jr,Coutinho HDM,Oliveira MBM

[The presence of yeasts and bacteria in free-living amoebae isolated from COVID-19 patients: concern for secondary infections.](#)

International journal of environmental health research , 2024 Oct 20

Authors Mirabedini Z,Niyayati M,Mohammad Rahimi H,Soleimani Jevinani S,Fatemi M,Tanhaei M,Mohebbi SR,Yadegar A,Abolghasemi S,Arab Mazar Z,Mirjalali H

[Complement system activation: bridging physiology, pathophysiology, and therapy.](#)

Intensive care medicine , Volume: 50 Issue: 11 2024 Nov

Authors Azoulay E,Zuber J,Bousfiha AA,Long Y,Tan Y,Luo S,Essafti M,Annane D

[Clinical and pathogen features of COVID-19-associated infections during an Omicron strain outbreak in Guangzhou, China.](#)

Microbiology spectrum , Volume: 12 Issue: 10 2024 Oct 3

Authors Cheng L-I,Li Z-t,Wu H-k,Li F,Qiu Y,Wang T,Peng H,Liu Z-h,Huang P-r,Zhou L,Gao L-f,Huang H-j,Zhang B,Deng X-I,Chen X,Ye F,Liu X-q,Guan W-j,Li Y-p,Li Y-m,Li S-y,Zhong N-s

[The Epidemiology of Pathogens in Community-Acquired Pneumonia Among Children in Southwest China Before, During and After COVID-19 Non-pharmaceutical Interventions: A Cross-Sectional Study.](#)

Influenza and other respiratory viruses , Volume: 18 Issue: 8 2024 Aug

Authors Yang R,Xu H,Zhang Z,Liu Q,Zhao R,Zheng G,Wu X

[Influence of Mycobiota in the Nasopharyngeal Tract of COVID-19 Patients.](#)

Microorganisms , Volume: 12 Issue: 7 2024 Jul 19

Authors Folliero V,Ferravante C,Dell'Annunziata F,Brancaccio RN,D'Agostino Y,Giurato G,Manente R,Terenzi I,Greco R,Boccia G,Paoliano P,Weisz A,Franci G,Rizzo F

[Microbiome in the nasopharynx: Insights into the impact of COVID-19 severity.](#)

Heliyon , Volume: 10 Issue: 10 2024 May 30

Authors Galeana-Cadena D,Ramirez-Martínez G,Alberto Choreño-Parra J,Silva-Herzog E,Margarita Hernández-Cárdenas C,Soberón X,Zúñiga J

[Missing microbes in infants and children in the COVID-19 pandemic: a study of 1,126 participants in Beijing, China.](#)

Science China. Life sciences , Volume: 67 Issue: 8 2024 Aug

Authors Wang J,Li Y,Mu Y,Huang K,Li D,Lan C,Cui Y,Wang J

[Prevalence of Blastocystis sp. and other gastrointestinal pathogens among diarrheic COVID-19 patients in Italy.](#)

New microbes and new infections , Volume: 58 2024 Apr

Authors Marangi M,Boughattas S,Valzano F,La Bella G,De Nittis R,Margaglione M,Arena F

[Perturbations in gut and respiratory microbiota in COVID-19 and influenza patients: a systematic review and meta-analysis.](#)

Frontiers in medicine , Volume: 11 2024

Authors Chu XJ,Song DD,Zhou MH,Chen XZ,Chu N,Li M,Li BZ,Liu SH,Hou S,Wu JB,Gong L

[The causal relationship between gut microbiota and COVID-19: A two-sample Mendelian randomization analysis.](#)

Medicine , Volume: 103 Issue: 5 2024 Feb 2

Authors Tian S,Huang W

[Exploring nasopharyngeal microbiota profile in children affected by SARS-CoV-2 infection.](#)

Microbiology spectrum , Volume: 12 Issue: 3 2024 Mar 5

Authors Romani L,Del Chierico F,Pane S,Ristori MV,Pirona I,Guarrasi V,Cotugno N,Bernardi S,Lancella L,Perno CF,Rossi P,Villani A,Campana A,Palma P,Putighani L,CACTUS Study Team

[Gut microbiota composition is associated with disease severity and host immune responses in COVID-19.](#)

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Fan R,Liu S,Sun N,Yang Y,Deng X,Hu B,Sun C,Wen C,Li H,Cheng D,Huang C,Hou P,Zhang T

[Delayed iliopsoas abscess following COVID-19 pneumonia.](#)

Respiratory investigation , Volume: 62 Issue: 1 2024 Jan

Authors Takaki R,Ando M,Satonaga Y,Yabe M,Kan T,Omote E,Hirota S,Uchida S,Yamasaki T,Komiya K,Hiramatsu K

[Listeria monocytogenes bacteremia developed during treatment of COVID-19.](#)

Clinical case reports , Volume: 11 Issue: 11 2023 Nov

Authors Yamamoto J,Nakamoto K,Shimasaki T,Kurai D,Saraya T,Ishii H

- [Explore the changes of intestinal flora in patients with coronavirus disease 2019 based on bioinformatics.](#)  
**Frontiers in cellular and infection microbiology** , Volume: 13 2023  
 Authors Huang G,Mao Y,Zhang W,Luo Q,Xie R,Huang D,Liang Y
- [Profiles of gut microbiota associated with clinical outcomes in patients with different stages of SARS-CoV-2 infection.](#)  
**Life sciences** , 2023 Sep 30  
 Authors Krasaewes K,Chaiwarith R,Chattipakorn N,Chattipakorn SC  
[Lower gut abundance of Eubacterium rectale is linked to COVID-19 mortality.](#)
- Frontiers in cellular and infection microbiology** , Volume: 13 2023  
 Authors Liu Y,Chan MTV,Chan FKL,Wu WKK,Ng SC,Zhang L  
[Systematic Mendelian randomization study of the effect of gut microbiome and plasma metabolome on severe COVID-19.](#)
- Frontiers in immunology** , Volume: 14 2023  
 Authors Yan H,Zhao S,Huang HX,Xie P,Cai XH,Qu YD,Zhang W,Luo JQ,Zhang L,Li X  
[COVID-19 associated bacterial infections in intensive care unit: a case control study.](#)
- Scientific reports** , Volume: 13 Issue: 1 2023 Aug 16  
 Authors Kaçmaz B,Keske S,Sisman U,Ates ST,Güldan M,Besli Y,Palaoglu E,Çakar N,Ergönül Ö  
[Streptococcus pneumoniae nasal carriage patterns with and without common respiratory virus detections in households in Seattle, WA, USA before and during the COVID-19 pandemic.](#)
- Frontiers in pediatrics** , Volume: 11 2023  
 Authors Bennett JC,Emanuel A,Heimonen J,O'Hanlon J,Hughes JP,Han PD,Chow EJ,Ogokoh CE,Rolfes MA,Lockwood CM,Pfau B,Uyeki TM,Shendure J,Hoag S,Fay K,Lee J,Sibley TR,Rogers JH,Starita LM,Englund JA,Chu HY  
[Invasive fungal disease in COVID-19 patients: a single-center prospective observational study.](#)
- Frontiers in medicine** , Volume: 10 2023  
 Authors Adzic-Vukicevic T,Mladenovic M,Jovanovic S,Soldatovic I,Radovanovic-Spurnic A  
[Gut microbiota in COVID-19: new insights from inside.](#)
- Gut microbes** , Volume: 15 Issue: 1 2023 Jan-Dec  
 Authors Zhou B,Pang X,Wu J,Liu T,Wang B,Cao H  
[Impact of COVID-19 on the Microbiome and Inflammatory Status of Type 2 Diabetes Patients.](#)
- Biomedicine** , Volume: 11 Issue: 1 2023 Jan 11  
 Authors Gradisteanu Pircalabioru G,Grigore GA,Czobor Barbu I,Chifiriuc MC,Savu O  
[Gut microbiota composition in COVID-19 hospitalized patients with mild or severe symptoms.](#)
- Frontiers in microbiology** , Volume: 13 2022  
 Authors Mazzarelli A,Giancola ML,Fontana A,Piselli P,Binda E,Trivieri N,Mencarelli G,Marchioni L,Vulcano A,De Giuli C,Panebianco C,Villani A,Copetti M,Perri F,Fontana C,Nicastri E,Pazienza V  
[The Gut Microbiome of Children during the COVID-19 Pandemic.](#)
- Microorganisms** , Volume: 10 Issue: 12 2022 Dec 13  
 Authors Bacorn M,Romero-Soto HN,Levy S,Chen Q,Hourigan SK  
[Gut Microbial Disruption in Critically Ill Patients with COVID-19-Associated Pulmonary Aspergillosis.](#)
- Journal of fungi (Basel, Switzerland)** , Volume: 8 Issue: 12 2022 Nov 30  
 Authors Maurer HC,Schult D,Koyumdzhieva P,Reitmeier S,Middelhoff M,Rasch S,List M,Janssen KP,Steiger K,Protzer U,Schmid RM,Neuhaus K,Haller D,Quante M,Lahmer T  
[Frequency, subtypes distribution, and risk factors of Blastocystis spp. in COVID-19 patients in Tehran, capital of Iran: A case-control study.](#)
- New microbes and new infections** , Volume: 51 2023 Jan  
 Authors Taghipour A,Pirestani M,Hamidi Farahani R,Barati M,Asadipoor E  
[The Upper Respiratory Tract Microbiome Network Impacted by SARS-CoV-2.](#)
- Microbial ecology** , Volume: 86 Issue: 2 2023 Aug  
 Authors Li W,Ma ZS  
[Alterations of the fecal microbiota in relation to acute COVID-19 infection and recovery.](#)
- Molecular biomedicine** , Volume: 3 Issue: 1 2022 Nov 28  
 Authors Yin YS,Minacapelli CD,Parmar V,Catalano CC,Bhurwal A,Gupta K,Rustgi VK,Blaser MJ  
[Characteristic alterations of gut microbiota in uncontrolled gout.](#)
- Journal of microbiology (Seoul, Korea)** , Volume: 60 Issue: 12 2022 Dec  
 Authors Ul-Haq A,Lee KA,Seo H,Kim S,Jo S,Ko KM,Moon SJ,Kim YS,Choi JR,Song HY,Kim HS  
[Elizabethkingia meningoseptica Infection in COVID-19 Patients.](#)
- Cureus** , Volume: 14 Issue: 10 2022 Oct  
 Authors Chaponda M,Shaukat A,Dulli MW,Sioufi S,Ai Wali W  
[Microbiota and COVID-19: Long-term and complex influencing factors.](#)
- Frontiers in microbiology** , Volume: 13 2022

Authors Gang J,Wang H,Xue X,Zhang S

[Detection of Intestinal Dysbiosis in Post-COVID-19 Patients One to Eight Months after Acute Disease Resolution.](#)

**International journal of environmental research and public health** , Volume: 19 Issue: 16 2022 Aug 17

Authors Ferreira-Junior AS,Borgonovi TF,De Salis LV,Leite AZ,Dantas AS,De Salis GV,Cruz GNF,De Oliveira LFV,Gomes E,Penna ALB,De Oliveira GLV

[Fungal Infection in Co-infected Patients With COVID-19: An Overview of Case Reports/Case Series and Systematic Review.](#)

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

Authors Seyedjavadi SS,Bagheri P,Nasiri MJ,Razzaghi-Abyaneh M,Goudarzi M

[The Relationship Between Pediatric Gut Microbiota and SARS-CoV-2 Infection.](#)

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

Authors Romani L,Del Chierico F,Macari G,Pane S,Ristori MV,Guarrasi V,Gardini S,Pascucci GR,Cotugno N,Perno CF,Rossi P,Villani A,Bernardi S,Campana A,Palma P,Putignani L,CACTUS Study Team

[Increased Deaths From Fungal Infections During the Coronavirus Disease 2019 Pandemic-National Vital Statistics System, United States, January 2020-December 2021.](#)

**Clinical infectious diseases : an official publication of the Infectious Diseases Society of America** , Volume: 76 Issue: 3 2023 Feb 8

Authors Gold JAW,Ahmad FB,Cisewski JA,Rossen LM,Montero AJ,Benedict K,Jackson BR,Toda M

[Intestinal microbiota composition of children with infection with severe acute respiratory syndrome coronavirus 2 \(SARS-CoV-2\) and multisystem inflammatory syndrome \(MIS-C\).](#)

**European journal of pediatrics** , Volume: 181 Issue: 8 2022 Aug

Authors Suskun C,Kilic O,Yilmaz Ciftdogan D,Guven S,Karbus A,Ozkaya Parlakay A,Kara Y,Kacmaz E,Sahin A,Boga A,Kizmaz Isancli D,Gulhan B,Kanik-Yukse S,Kiral E,Bozan G,Arslanoglu MO,Kizil MC,Dinleyici M,Us T,Varis A,Kaya M,Vandenplas Y,Dinleyici EC

[Alterations in microbiota of patients with COVID-19: potential mechanisms and therapeutic interventions.](#)

**Signal transduction and targeted therapy** , Volume: 7 Issue: 1 2022 Apr 29

Authors Wang B,Zhang L,Wang Y,Dai T,Qin Z,Zhou F,Zhang L

[Gut Microbiota Disruption in COVID-19 or Post-COVID Illness Association with severity biomarkers: A Possible Role of Pre / Pro-biotics in manipulating microflora.](#)

**Chemico-biological interactions** , Volume: 358 2022 May 1

Authors Alharbi KS,Singh Y,Hassan Almalki W,Rawat S,Afzal O,Alfawaz Altamimi AS,Kazmi I,Al-Abbasi FA,Alzarea SI,Singh SK,Bhatt S,Chellappan DK,Dua K,Gupta G

[The significance of the gut microbiome in post-COVID-19 gastrointestinal symptoms.](#)

**Clinical medicine (London, England)** , Volume: 22 Issue: 2 2022 Mar

Authors Lampejo T

[Gut microbiota changes are detected in asymptomatic very young children with SARS-CoV-2 infection.](#)

**Gut** , Volume: 71 Issue: 11 2022 Nov

Authors Nashed L,Mani J,Hazrati S,Stern DB,Subramanian P,Mattei L,Bittinger K,Hu W,Levy S,Maxwell GL,Hourigan SK

[Gut Microbiota Interplay With COVID-19 Reveals Links to Host Lipid Metabolism Among Middle Eastern Populations.](#)

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

Authors Al Bataineh MT,Henschel A,Mousa M,Daou M,Waasia F,Kannout H,Khalili M,Kayasseh MA,Alkhajeh A,Uddin M,Alkaabi N,Tay GK,Feng SF,Yousef AF,AIsafar HS

[Gut Microbiome Alterations in COVID-19.](#)

**Genomics, proteomics & bioinformatics** , 2021 Sep 21

Authors Zuo T,Wu X,Wen W,Lan P

[Gut Dysbiosis and IL-21 Response in Patients with Severe COVID-19.](#)

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

Authors Khan M,Mathew BJ,Gupta P,Garg G,Khadanga S,Vyas AK,Singh AK

[Pulmonary aspergillosis in two COVID-19 patients from Kuwait.](#)

**Access microbiology** , Volume: 3 Issue: 3 2021 Mar

Authors Alobaid K,Yousuf B,Al-Qattan E,Muqem Z,Al-Subaie N

[The gut microbiome of COVID-19 recovered patients returns to uninfected status in a minority-dominated United States cohort.](#)

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

Authors Newsome RC,Gauthier J,Hernandez MC,Abraham GE,Robinson TO,Williams HB,Sloan M,Owings A,Laird H,Christian T,Pride Y,Wilson KJ,Hasan M,Parker A,Senitko M,Glover SC,Gharaibeh RZ,Jobin C

[COVID-19-associated Aspergillus tracheobronchitis: the interplay between viral tropism, host defence, and fungal invasion.](#)

**The Lancet. Respiratory medicine** , Volume: 9 Issue: 7 2021 Jul

Authors van de Veerdonk FL,Bruggemann RJM,Vos S,De Hertogh G,Wauters J,Reijers MHE,Netea MG,Schouten JA,Verweij PE

**Bacterial and fungal co-infections among COVID-19 patients in intensive care unit.****Microbes and infection** , Volume: 23 Issue: 4-5 2021 May-Jun

Authors Yang S,Hua M,Liu X,Du C,Pu L,Xiang P,Wang L,Liu J

**Temporal association between human upper respiratory and gut bacterial microbiomes during the course of COVID-19 in adults.****Communications biology** , Volume: 4 Issue: 1 2021 Feb 18

Authors Xu R,Lu R,Zhang T,Wu Q,Cai W,Han X,Wan Z,Jin X,Zhang Z,Zhang C

**16S rRNA gene sequencing of rectal swab in patients affected by COVID-19.****PloS one** , Volume: 16 Issue: 2 2021

Authors Mazzarelli A,Giancola ML,Farina A,Marchioni L,Rueca M,Gruber CEM,Bartolini B,Ascoli Bartoli T,Maffongelli G,Capobianchi MR,Ippolito G,Di Caro A,Nicastri E,Pazienza V,INM COVID-19 study group.

**Clinical manifestations and pathogen characteristics in children admitted for suspected COVID-19.****Frontiers of medicine** , Volume: 14 Issue: 6 2020 Dec

Authors Cai X,Jiang H,Zhang S,Xia S,Du W,Ma Y,Yu T,Li W

**Challenges in the Management of SARS-CoV2 Infection: The Role of Oral Bacteriotherapy as Complementary Therapeutic Strategy to Avoid the Progression of COVID-19.****Frontiers in medicine** , Volume: 7 2020

Authors d`Ettore G,Ceccarelli G,Marazzato M,Campagna G,Pinacchio C,Alessandri F,Ruberto F,Rossi G,Celani L,Scagnolari C,Mastropietro C,Trinchieri V,Recchia GE,Mauro V,Antonelli G,Pugliese F,Mastroianni CM

**Clinical features and outcomes of adult COVID-19 patients co-infected with Mycoplasma pneumoniae.****The Journal of infection** , Volume: 81 Issue: 3 2020 Sep

Authors Zha L,Shen J,Tefsen B,Wang Y,Lu W,Xu Q

**Alterations in Fecal Fungal Microbiome of Patients With COVID-19 During Time of Hospitalization until Discharge.****Gastroenterology** , Volume: 159 Issue: 4 2020 Oct

Authors Zuo T,Zhan H,Zhang F,Liu Q,Tso EYK,Lui GCY,Chen N,Li A,Lu W,Chan FKL,Chan PKS,Ng SC

**First COVID-19 mortality case in Taiwan with bacterial co-infection by national surveillance of critically ill patients with influenza-negative pneumonia.****Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , Volume: 53 Issue: 4 2020 Aug

Authors Chen WC,Lai YC,Lin CH,Zheng JF,Hung WC,Wang YJ,Kuo TH,Wu LH,Tong YS,Lu MC,Liu KS

**Alterations of the Gut Microbiota in Patients with COVID-19 or H1N1 Influenza.****Clinical infectious diseases : an official publication of the Infectious Diseases Society of America** , 2020 Jun 4

Authors Gu S,Chen Y,Wu Z,Chen Y,Gao H,Lv L,Guo F,Zhang X,Luo R,Huang C,Lu H,Zheng B,Zhang J,Yan R,Zhang H,Jiang H,Xu Q,Guo J,Gong Y,Tang L,Li L

**Alterations in Gut Microbiota of Patients With COVID-19 During Time of Hospitalization.****Gastroenterology** , Volume: 159 Issue: 3 2020 Sep

Authors Zuo T,Zhang F,Lui GCY,Yeoh YK,Li AYL,Zhan H,Wan Y,Chung ACK,Cheung CP,Chen N,Lai CKC,Chen Z,Tso EYK,Fung KSC,Chan V,Ling L,Joynt G,Hui DSC,Chan FKL,Chan PKS,Ng SC

**Effect of prebiotic intervention on glycemic control and gut microbiome profile in Indian children with type 1 diabetes mellitus (T1DM): a pilot randomised control trial.****Endocrine** , Volume: 91 Issue: 1 2026 May 21

Authors Tamahane V,Shah N,Kajale N,Khadilkar A,Khadilkar V,Gondhalekar K,Shouche Y,Mylari G

**Associations Between Yogurt Consumption, Gut Microbiota Composition, and Glucose Dynamics: A Single-Arm 84-Day Intervention Study Using Continuous Glucose Monitoring.****The Journal of nutrition** , 2026 May 19

Authors Sugimoto H,Chida K,Toshimitsu T,Tokunaga S,Fujino K,Kawakami E

**Protein yogurt and whey protein produce comparable muscle gains, but divergent microbiome shifts during strength training in older adults.****Scientific reports** , 2026 May 18

Authors Monsalves-Álvarez M,Calderón-Romero P,Hayes-Ortiz T,Bobadilla S,Sánchez F,de Tudela CP,Utreras-Mendoza Y,Campos C,Reyes Á,Gómez J,Zara B,Sepúlveda C,Troncoso R,Correa-Burrows P,Gonzales-Billault C,Court FA,Flores-Opazo M,Valladares-Ide D

**New Insights into Diarrhea Caused by High-Fat Diet and Fatigue: Gut Microbiota Dysbiosis-Driven Bile Acid Metabolism Disorder.****Nutrients** , Volume: 18 Issue: 9 2026 Apr 22

Authors Liu Q,Peng H,Xie X,Jiang M,Peng M,Tan Z

**Lactiplantibacillus plantarum AS21 Reduces Colitis in Mice by Modulating Inflammation, Gut Barrier Function, and Microbiota in an Intervention Dose and Time-dependent Manner.****Probiotics and antimicrobial proteins** , 2026 May 12

Authors Bacha AS,Chen M,Ding Z,Jia M,Chen H,Khan I,Ishaq M,Jan AU,Khan A,Guo X

[Inulin ameliorates chronic ketamine-induced anxiety-like behaviors and impairments in spatial learning and memory: involvement of gut microbiota, microbial metabolite short-chain fatty acids, and the BDNF-TrkB-ERK1/2-CREB pathway.](#)

**Frontiers in microbiology** , Volume: 17 2026

Authors Xu Z,Zhang J,Hu C,Luo Y

[Impact of spray-dried Lactiplantibacillus plantarum CIDCA 83114 on a murine model of giardiasis.](#)

**Revista Argentina de microbiologia** , Volume: 58 Issue: 3 2026 Apr 20

Authors Teijeiro M,De Antoni GL,Golowczyk MA,Pérez PF

[Exopolysaccharides from Lactiplantibacillus plantarum WLPL04 Alleviate Hyperuricemia by Regulating Uric Acid Metabolism and Gut Microbiota.](#)

**Foods (Basel, Switzerland)** , Volume: 15 Issue: 7 2026 Apr 2

Authors Wei M,Hu Y,Li X,Long X,Zhang Z,Tao X,Wei H

[Impact of high-fat Western diet on chronic lymphocytic leukemia disease progression and gut microbiome profile in Eμ-TCL1 mice.](#)

**bioRxiv : the preprint server for biology** , 2026 Apr 1

Authors Skupa SA,Hernandez JB,Smith AL,Drengler EM,Seth AK,Rai SN,Clayton JB,D'Angelo CR,El-Gamal D

[Corrigendum to "Camel-derived Lactiplantibacillus plantarum LP-170 as a natural antimicrobial solution to combat multidrug-resistant Staphylococcus aureus in dairy products" \(J. Dairy Sci. 109:92-109\).](#)

**Journal of dairy science** , Volume: 109 Issue: 4 2026 Apr

Authors Wang W,Liang Y,Li Y,Wang J,Zhang Y,Xiao C,Hao H

[Curcumin-Loaded Lactoferrin/Pectin Core-Shell Structured Microgel Nanoparticles: Dual Regulatory Effects in Alleviating Inflammatory Bowel Disease.](#)

**Nutrients** , Volume: 18 Issue: 6 2026 Mar 14

Authors Jin MY,Yu SY,Wang EF,Zhang H,Xu JY,Wang C,Li LQ,Yan JK

[Diverse high-fat diets drive multi-omic reprogramming that persists after dietary reversal.](#)

**bioRxiv : the preprint server for biology** , 2026 Mar 19

Authors Van Camp AG,Park J,Ozcelik E,Eskiocak O,Ozler KA,Papciak K,Subhash S,Alwaseem H,Ergin I,Chung C,Shah V,Yueh B,Fein MR,Durmaz C,Mozsary C,Kilic E,Garipcan A,Damle N,Najjar D,Nelson TM,Ryon KA,Butler DJ,Patel CJ,Thaiss CA,Birsoy K,Mason CE,Meydan C,Tierney BT,Beyaz S

[Human Milk Oligosaccharide Synbiotic Alleviates Food Allergy in Mice by Modulating Gut Microbiota and Increasing Indole-3-lactic Acid Levels.](#)

**Journal of agricultural and food chemistry** , 2026 Mar 20

Authors Chang S,Zhou H,Zhang K,Deng H,Peng X,Zhou W,Gao Y,Wang J,Li W,Li W,Ren J

[Functional and Mechanistic Analysis of Wild Badger-Derived Lactiplantibacillus Plantarum Y40 Against Salmonella Infection.](#)

**Probiotics and antimicrobial proteins** , 2026 Mar 17

Authors Gu L,Hou M,Wang Y,Wang K,Jiang J,Yu J,Liang S,Zhong Y,Pan Q,Lu J,Ju J,Jiao X,Zhang Y

[High dietary fiber is associated with improved outcomes in patients with melanoma and sarcoma treated with immunotherapy regardless of gut microbiome dysbiosis and social vulnerability.](#)

**Cancer** , Volume: 132 Issue: 6 2026 Mar 15

Authors Fields BC,Traweek RS,Jiang K,Witt RG,Damania A,Chiang YJ,Ajami N,Nassif-Haddad E,Keung EZ,Chelvanambi M,Zhang X,Peterson CB,Wargo JA,Daniel CR,Roland CL,Holder AM

[Causal Effects of Yogurt Intake on Gut Microbiota: A European Mendelian Randomization Study.](#)

**International journal of genomics** , Volume: 2026 2026

Authors Yang M,Wang L,Zhou P,Xia J

[Improving Growth Dynamics of Faecalibacterium prausnitzii by Exposure to Prebiotics.](#)

**International journal of molecular sciences** , Volume: 27 Issue: 4 2026 Feb 10

Authors Ahmed S,Roberts KD,McCormick TS,Ghannoum MA

[High Dietary Carbonyl Iron Reshapes the Gut Microbiome and Impairs Hepatic Insulin Sensitivity in a Time-Dependent Manner.](#)

**FASEB journal : official publication of the Federation of American Societies for Experimental Biology** , Volume: 40 Issue: 4 2026 Feb 28

Authors Li Y,Fillebeen C,Li S,Chen J,Sweeney G,Pantopoulos K

[Enhancing Antibiotic Efficacy with Curcumin: A Novel Approach To Combat Multidrug-Resistant Acinetobacter Baumannii.](#)

**Current microbiology** , Volume: 83 Issue: 4 2026 Feb 18

Authors Javadi K,Ahmadi MH,Rajabnia M,Halaji M

[Altered Pathogen Spectrum of Spontaneous Bacterial Peritonitis in Patients Treated With Proton Pump Inhibitors.](#)

**Alimentary pharmacology & therapeutics** , 2026 Feb 17

*Authors* Kitchen P,Schütte SL,Tergast TL,Maasoumy B,Braun L,Esche UVD,Häcker G,Mücke MM,Reincke M,Schultheiss M,Thimme R,Rieg S,Bettinger D,Sturm L

[Lactiplantibacillus plantarum LPPerfectus001 Alleviating Irritable Bowel Syndrome in Mice by Modulating Gut Microbiota and NF- \$\kappa\$ B Signaling Pathway.](#)

**Foods (Basel, Switzerland) , Volume: 15 Issue: 3 2026 Jan 23**

*Authors* Wang Y,Bai X,Jing Y,Feng X,Guo Y,Hao Y,Su D,Zhai Z

[A comparative study of the effects of high protein diets of soy and dairy on healthy aging by integrating multi-omics approaches.](#)

**Food research international (Ottawa, Ont.) , Volume: 221 Issue: Pt 1 2025 Dec**

*Authors* Tian Z,Xu J,Song Y,Ao X,Sun X,Fu Z,Chen Y,Hou W,Sun C

[Biological Characterization and Essential Oil Profiles of Eastern European Cultivars of Thymus, Satureja, and Monarda.](#)

**Molecules (Basel, Switzerland) , Volume: 31 Issue: 2 2026 Jan 19**

*Authors* Pokajewicz K,Chodura M,Lezrag HA,Svydenko L,Nabrdalik M,Moliszewska E,Fatmi S,Hudz N,Wieczorek PP

[Pear peel polyphenols protect against ulcerative colitis via coordinated modulation of gut microbiota and mucosal immunity.](#)

**Food & function , 2026 Jan 23**

*Authors* Ye Y,Jiang X,Jiang Y,Zhang L,Han B,Wang Y,Liu P,Lu X,Zhang C

[Dietary inulin mediates the molecular mechanism of intestinal metabolites to alleviate high salt diet-induced chronic kidney disease in mice.](#)

**The Journal of nutritional biochemistry , 2026 Jan 15**

*Authors* Qu Q,Gao H,Gao X,Li P,Mou Y,Kong X,Tan X

[Lactiplantibacillus plantarum P16 mitigated murine colitis through modulation of immune response and gut microbiota.](#)

**AMB Express , 2026 Jan 17**

*Authors* Chen Z,Cheng Q,Zhang X,Sheng Z,Shi L,Zhang Y

[Therapeutic Mechanisms of Lactiplantibacillus plantarum NXU0014 Against Chronic Alcohol-Induced Liver Injury Mediated by Gut-Liver Axis Modulation.](#)

**Molecular nutrition & food research , Volume: 70 Issue: 1 2026 Jan**

*Authors* Ji Q,Wang Y,Huo L,Qiao C,Li F,Yang F,Pan L

[Nanogel-encapsulated Rosa roxburghii Tratt fruit polyphenols ameliorated ulcerative colitis by regulating gut microbiota and PI3K/Akt and NF- \$\kappa\$ B pathways.](#)

**Food research international (Ottawa, Ont.) , Volume: 226 2026 Feb 28**

*Authors* Long M,Wang H,Zhang F,Ran Y,Li Y,Luo J,Chen Z,Tian Z,Tan S,Liu X

[Photothermic Release of Curcumin for Antimicrobial Photodynamic Therapy.](#)

**ACS omega , Volume: 10 Issue: 48 2025 Dec 9**

*Authors* Trigo-Gutierrez JK,Medaglia S,Aznar E,Martínez-Máñez R,Mima EGO

[Lactiplantibacillus plantarum Membrane Vesicles \(MVs\) exhibit immunomodulatory and bactericidal effects against Escherichia coli and Salmonella Typhimurium.](#)

**PloS one , Volume: 21 Issue: 1 2026**

*Authors* Lonngí Sosa CD,González Díaz FR,Ramírez Álvarez H,Vargas Ruiz A,Muciño Hernández JL,Higuera Piedrahita RI,de la Cruz Cruz HA,Leal Hernández M,Ramírez-Rico G,Cuéllar Ordaz JA,González Ruiz C

[Synergistic Effects of Garlic Extract and Mannan-Oligosaccharide Prebiotic Supplementation on Growth Performance, Carcass Quality, Immunity, Gut Morphology and Microbiome in Broiler Chickens.](#)

**Veterinary medicine and science , Volume: 12 Issue: 1 2026 Jan**

*Authors* Khan A,Mushtaq M,Shah M,Khan RU,Alonaizan R,Naz S,Abudabos A,Israr M

[Change of oral microbiome diversity by smoking across different age groups.](#)

**Frontiers in microbiology , Volume: 16 2025**

*Authors* Seo K,Min JY,Min KB,Oh KH,Ryoo SW,Son SY,Lee JH

[Oligosaccharides and small molecule components of Sijunzi decoction modulate the gut microbiota-bile acid axis to synergistically alleviate spleen deficiency syndrome.](#)

**Journal of ethnopharmacology , Volume: 360 2025 Dec 31**

*Authors* Chen X,Pu Z,Ma P,Liu Y,Li X

[Synthesis, Anti-Tumour, and Antibacterial Activities of Monocarbonyl Curcumin Analogues of Piperidones.](#)

**International journal of molecular sciences , Volume: 26 Issue: 24 2025 Dec 18**

*Authors* Dong R,Xu R,Wang X

[Effect of Replacing Added Sugars with Sucralose on Gut Microbiome Composition Among Asian Indian Adults in Two 12-week Randomized Controlled Trials.](#)

**Current developments in nutrition , Volume: 9 Issue: 12 2025 Dec**

*Authors* Haslam DE,Abirami K,Starr JR,Unnikrishnan R,Lasky-Su J,Gayathri R,Gokulakrishnan K,Manasa VS,Rimm EB,Anjana RM,Krishnaswamy K,Hu FB,Sudha V,Mohan V,Bhupathiraju SN

Dairy product intake alters the correlations between circulating bile acids and short-chain fatty acids with the bacterial taxa Roseburia, Faecalibacterium, Flavonifractor and Verrucomicrobia.

**Lifestyle genomics** , 2025 Dec 24

Authors Mahdavi A,Greffard K,Trottier J,Barbier O,Bilodeau JF,Lebel M,Rudkowska I

Gut Microbial Variations Associated With Proton Pump Inhibitor Use in the Boston Puerto Rican Health Study.

**Pharmacology research & perspectives** , Volume: 14 Issue: 1 2026 Feb

Authors Dinesh D,Morgan XC,Kim H,Scott TM,Garelnabi M,Lee JS,Mangano KM,Nguyen LH,Huttenhower C,Tucker KL,Palacios N

Effects of coarse corn or oat hulls on growth performance, intestinal health, and microbiota modulation in underperforming broilers.

**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 23 2025 Dec

Authors Akram MZ,Sureda EA,Corion M,Comer L,Zhao H,Schroyen M,Everaert N

Lactiplantibacillus plantarum Lp20 Alleviates High Fat Diet-Induced Obesity in Mice via Its Bile Salt Hydrolase Activity.

**Nutrients** , Volume: 17 Issue: 22 2025 Nov 14

Authors Bai X,Lu F,Jing Y,Wang H,Qian H,Zhang M,Zhai Z,Hao Y

Dietary fiber modulates gut microbiota and lipid metabolism ameliorating Alzheimer's pathology in 5xFAD mice.

**Scientific reports** , Volume: 15 Issue: 1 2025 Nov 26

Authors Zhao Y,Taylor CM,Lukiw WJ,Bazan NG

High-fat diet promotes colorectal tumorigenesis through gut microbiota-mediated metabolic reprogramming and M2 macrophage polarization.

**Biochemical and biophysical research communications** , Volume: 794 2025 Nov 19

Authors Xu L,Zhang J,Xiao Y,Jin P,Zhang J

Integrated 16S rDNA and Metabolomics Analysis Unveils Dietary Fiber-Induced Changes in Small Intestinal Microbiota and Metabolites of Pigs.

**Veterinary sciences** , Volume: 12 Issue: 11 2025 Oct 24

Authors Wang H,Qi L,Xiao Y,Jin J,Huang R,Wu S,Bao W

Lactiplantibacillus plantarum Intake Reduces Gastrointestinal Tract Damage Caused by Chronic Stress in Young Rats.

**ACS omega** , Volume: 10 Issue: 45 2025 Nov 18

Authors Castro-Rodríguez DC,Pérez-Sánchez E,Hernández-Montes G,Oviedo-León JF,Nicolas-Toledo L

Oral Administration of Lactiplantibacillus plantarum KBL396 Regulates Serum 5-Hydroxytryptamine and Gut Microbiota: Evidence from a Preclinical Mouse Model and a Randomized Controlled Human Trial.

**Probiotics and antimicrobial proteins** , 2025 Nov 17

Authors Myung W,Jang SJ,Lee G,Lee C,Lee K,Moon SH,Jeong Y,Kim WK,Park S,Lee H,Park YS,Shin S,Nam TW,Jeon HJ,Ko G

The regulatory effect of proton pump inhibitors combined with triple therapy on gut microbiota, visceral hypersensitivity and gastrointestinal hormone secretion disorders in elderly patients with non erosive gastroesophageal reflux disease.

**Pakistan journal of pharmaceutical sciences** , Volume: 38 Issue: 6 2025 Nov-Dec

Authors Nian K,Zhang D

Clostridium Butyricum and Bifidobacterium Supplementation Ameliorates Gut Dysbiosis and Cognitive-Anxiety Behaviors in Preterm Mice.

**Probiotics and antimicrobial proteins** , 2025 Nov 12

Authors Qin D,Li H,Zang X,Yang S,Song L,Chen M,Xu G,Zhang S

Postbiotic delivery via alginate encapsulation alleviates DSS-induced colitis by modulating gut microbiota and SCFA-mediated immune signaling.

**Food research international (Ottawa, Ont.)** , Volume: 221 Issue: Pt 3 2025 Dec

Authors Yu Q,Zhu J,Huang M,Bai J,Zhu Y,Zhao Y,Yang Y,Xiao X

Gut Microbiota Dysbiosis and Associated Gut Health Outcomes Among Alcohol Consumers in Musanze District of Rwanda: A Cross-Sectional Study.

**The East African health research journal** , Volume: 9 Issue: 1 2025

Authors Higiro C,Habyarimana T,Izere C,Yadufashije C,Niyonzima FN

Fiber deprivation and insoluble corn-based fibrous co-products modulate gastrointestinal mucosa-associated microbiota, extracellular matrix remodeling, and intestinal morphology in growing pigs.

**Journal of animal science** , 2025 Oct 16

Authors Miller HE,Sasser CN,Hernandez MS,Legako JF,Anderson CJ,Schmitz-Esser S,Ericsson AC,Broadway PR,Sanchez NCB,Carroll JA,Penn MJC,Petry AL

The addition of encapsulated Bacillus subtilis, Enterococcus faecium, and Lactobacillus plantarum postbiotics, either alone or with inulin, improves slaughter weight, gut function, and microbiota in broilers.

**BMC veterinary research** , Volume: 21 Issue: 1 2025 Oct 14

Authors Atan Çirpici H,Kirkpınar F

High-fat diet, intestinal microecology and bone loss.

**Nutrition & metabolism** , Volume: 22 Issue: 1 2025 Oct 8

Authors Wang N,Tong X,Li YK

[Evaluation of a prebiotic mannan-oligosaccharide on Salmonella Enteritidis cecal colonization and immune response of broiler chickens.](#)**Poultry science** , Volume: 104 Issue: 12 2025 Oct 1

Authors Milby-Blackledge A,Farnell Y,Swaggerty C,Farnell M

[Ethanol-Induced Dysbiosis and Systemic Impact: A Meta-Analytical Synthesis of Human and Animal Research.](#)**Microorganisms** , Volume: 13 Issue: 9 2025 Aug 27

Authors Alexandrescu L,Tofolean IT,Tofolean DE,Nicoara AD,Twakor AN,Rusu E,Preotesoiu I,Dumitru E,Dumitru A,Tocia C,Herlo A,Alexandrescu DM,Popescu I,Cimpineanu B

[Effect of Lactiplantibacillus plantarum LPJZ-658 on caecum microbiota and serum metabolomics of Luhua broiler.](#)**Frontiers in microbiology** , Volume: 16 2025

Authors Li M,Liu Z,Chen C,Liu Z,Liu L

[Lactobacillus plantarum and Lactobacillus brevis alleviate enterotoxigenic Escherichia coli-induced intestinal inflammation and stabilize intestinal microorganisms and serum metabolites in piglets.](#)**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 22 2025 Sep

Authors Han X,Gao R,Ding S,Yao H,Fang J,Liu G

[Mango by-Product-Based High-Fiber Confectionery Attenuates Liver Steatosis and Alters Gut Microbiota in High-Fat Diet-Fed Rats.](#)**Molecular nutrition & food research** , 2025 Aug 30

Authors Barbosa Y,Gaytán-Martínez M,de Los Ríos-Arellano EA,Chavez-Santoscoy RA,Hinojosa-Alvarez S,Antunes-Ricardo M,Luzardo-Ocampo I,Ramírez-Jiménez AK

[Strain-Specific Lactobacillus Probiotics Intervention in Mitigating Obesity and Metabolic Dysregulation via Gut Microbiota Modulation in a Mouse Model of High-Fat Diet.](#)**Probiotics and antimicrobial proteins** , 2025 Aug 29

Authors Shad E,Azadikhah F,Shekarforoush S,Nazifi S,Eskandari MH

[High-calcium milk improves osteoporosis in postmenopausal women by regulating intestinal flora and steroid hormone biosynthesis.](#)**Frontiers in nutrition** , Volume: 12 2025

Authors Zhao Y,Li X,Liu Y,Wang Q,Zhao J,Pan H,Chen H,Liu B,Qiao W,Lin L,Jin Y,Chen L

[Lactiplantibacillus plantarum promotes lactoferrin synthesis and secretion in bovine mammary epithelial cells through STAT3 and AP-1 transcription factor pathways.](#)**In vitro cellular & developmental biology. Animal** , 2025 Aug 13

Authors Zhou J,Lian S,Geng Z,Yang Y,Wu R,Wang J

[Ultrasound-enhanced bioaccessibility and pharmacological activities of curcumin in inclusion complexes.](#)**Food chemistry** , Volume: 493 Issue: Pt 1 2025 Jul 25

Authors Oliveira MX,Ribeiro IS,Canafistula FVC,Muniz SFM,Sampaio LMF,Nobre ARA,Ribeiro FOS,Silva RE,Souza JMT,Torres EJB,Filho JDBM,Araújo AJ,Sousa JS,Oliveira LS,de Paula RCM,Valente AJM,Feitosa JPA

[Lactiplantibacillus plantarum MTCC 25433 and Quercetin Blend Ameliorate Benzo\[a\]pyrene-Induced Gut Dysregulation in a Murine Model.](#)**Current microbiology** , Volume: 82 Issue: 9 2025 Aug 4

Authors Goyal SP,Chandratre GA,Rawat A,Kondepudi KK,Badgajar PC,Saravanan C

[Synergistic bactericidal and antibiofilm effects of curcumin and nisin dual-loaded liposomes combined with photodynamic treatment on Listeria monocytogenes.](#)**Food chemistry** , Volume: 492 Issue: Pt 3 2025 Jul 19

Authors Zhang J,Qin J,Fu Z,Tang W,Pu C,Sun Q

[Alterations in Gut Microbiota and Stool Properties Following Treatment with Potassium-Competitive Acid Blocker and Proton Pump Inhibitor.](#)**Digestive diseases and sciences** , 2025 Jul 24

Authors Dohi O,Yasuda T,Takagi T,Iwai N,Uchiyama K,Mizushima K,Inoue R,Naito Y,Itoh Y

[Effect of a 6-Month Functional Food Intervention on the Microbiota of Stunted Children in East Nusa Tenggara, Indonesia-A Randomized Placebo-Controlled Parallel Trial.](#)**Foods (Basel, Switzerland)** , Volume: 14 Issue: 13 2025 Jun 24

Authors Surono IS,Venema K,Martosudarmo S,Kusumo PD

[Effects of Dietary Ratio of Insoluble Fiber to Soluble Fiber on Reproductive Performance, Biochemical Parameters, and Fecal Microbial Composition of Gestating Sows.](#)**Animals : an open access journal from MDPI** , Volume: 15 Issue: 13 2025 Jun 23

Authors Wen X,Wu Q,Gao K,Yang X,Xiao H,Jiang Z,Wang L

The potential of cell-free supernatants from *Lactocaseibacillus paracasei* B1 and *Lactiplantibacillus plantarum* O24 as antioxidant and antimicrobial agents.

**Food chemistry** , Volume: 492 Issue: Pt 2 2025 Jul 3

Authors Keska P,Zielinska D,Karbowiak M,Kruk M,Lisiecka U,Stadnik J

Licorice Total Flavonoids and Its Gut-Enriched *Lactobacillus plantarum* Synergistically Activate the Nrf2 Pathway to Alleviate Liver Injury.

**Journal of agricultural and food chemistry** , 2025 Jul 2

Authors Qu Q, Ma Y, Gao X, Lin Y, Guan Y, Wang Z, Zhang W, Jin W, Guo A, Lv W, Guo S

Combined Phytochemical Sulforaphane and Dietary Fiber Inulin Contribute to the Prevention of ER-Negative Breast Cancer via PI3K/AKT/MTOR Pathway and Modulating Gut Microbial Composition.

**Nutrients** , Volume: 17 Issue: 12 2025 Jun 17

Authors Wu H, Witt BL, van der Pol WJ, Morrow CD, Duck LW, Tollefsbol TO

Dietary Galacto-Oligosaccharides Enhance Growth Performance and Modulate Gut Microbiota in Weaned Piglets: A Sustainable Alternative to Antibiotics.

**Animals : an open access journal from MDPI** , Volume: 15 Issue: 11 2025 May 22

Authors Wang Y, Li Z, Chen G, Xing Y, Wang J, Zhao Y, Kang M, Huang K, Li E, Ma X

Lipid-based nanocarriers for enhanced gentamicin delivery: a comparative study of liquid crystal nanoparticles and liposomes against *Escherichia coli* biofilms.

**Drug delivery and translational research** , 2025 Jun 12

Authors Ahsan A, Barnes TJ, Thomas N, Subramaniam S, Prestidge CA

Impact of the Probiotic on the Modulation of Vaginal Bacterial and Fungal Microbiota in HPV-Positive Women.

**Molecular nutrition & food research** , 2025 Jun 11

Authors Xu P, Uma Mageswary M, Nisaa AA, Balasubramaniam SD, Samsudin SB, Rusdi NIBM, Jerip ARA, Oon CE, Bakar MHA, Tan JJ, Roslan FF, Kadir MN, Ismail EHBE, Sany SB, Tan CS, Liong MT

High doses of the galactooligosaccharides, 2'-fucosyllactose alleviate immunodeficiency in vitro and in vivo.

**European journal of nutrition** , Volume: 64 Issue: 5 2025 Jun 9

Authors Li X, Li Y, Cheng K, Song T, Wang Y, Zhou H, Xu Y, Chaibou OZ, Wang B, Li H

Dietary supplementation with soluble corn fiber improved fecal score, microbiota, and SCFAs in dogs.

**Frontiers in veterinary science** , Volume: 12 2025

Authors Liang D, Zhao S, Yin G

Impact of Iron Deficiency on the Growth and Bioelectrical Profile of Different Gut Bacteria.

**MicrobiologyOpen** , Volume: 14 Issue: 3 2025 Jun

Authors Quarta E, Bourqia-Ramzi M, Muñoz-Rodríguez D, García-Esteban MT, Murciano-Cespedosa A, Mateos González Á, Conejero-Meca FJ, Lombardo-Hernandez J, Mansilla-Guardiola J, Baroni S, Geninatti Crich S, Geuna S, Munaron L, Chiabrandò D, Herrera-Rincon C

Synthetic vs. non-synthetic sweeteners: their differential effects on gut microbiome diversity and function.

**Frontiers in microbiology** , Volume: 16 2025

Authors Kidangathazhe A, Amponsah T, Maji A, Adams S, Chettoor M, Wang X, Scaria J

*Lactobacillus plantarum* and Galacto-Oligosaccharides Synbiotic Relieve Irritable Bowel Syndrome by Reshaping Gut Microbiota and Attenuating Mast Cell Hyperactivation.

**Nutrients** , Volume: 17 Issue: 10 2025 May 14

Authors Yao Q, Zhang W, Wang Y, Shi L, Zhao Y, Liang J, Zhao Y, Kang J, Zheng X, Guo R, Yuan T, She Y, Liu Z

Impact of probiotic *Lactobacillus plantarum* GKM3 on gastrointestinal health in overweight and obese individuals: A randomized clinical trial.

**Clinical nutrition ESPEN** , Volume: 68 2025 May 16

Authors Tsai YS, Lin XB, Lin SW, Chen YL, Hsu CL, Chen CC

Synergistic Biocidal Effects of Curcumin, Chitosan, and Nickel Titanate-Based Nanohybrids for Enhanced Antibacterial and Anticancer Therapies.

**ACS applied bio materials** , 2025 May 14

Authors Jeyasingh E, Panneerselvam HM, Chandrasekaran K, Moorthy S

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

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

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

Thyme oil-loaded chitosan microparticles: an antibacterial approach against pathogenic bacteria.

**3 Biotech** , Volume: 15 Issue: 5 2025 May

Authors Thakur A, Sharma K

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

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

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

Alleviating Effect of Lactiplantibacillus plantarum 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

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

Electrostatically assembled maghemite nanoparticles-Lactobacillus plantarum: A novel hybrid for enhanced antioxidant, antimicrobial, and antibiofilm efficacy.

**Bioresource technology** , 2025 Apr 12

Authors Shingade JA, Padalkar NS, Shin JH, Kim YH, Park TJ, Park JP, Patil AR

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 dietary fiber on the composition, function, and symbiotic interactions of intestinal microbiota in pre-weaned calves.

**Frontiers in microbiology** , Volume: 16 2025

Authors Lu W, Yi X, Ge Y, Zhang X, Shen K, Zhuang H, Deng Z, Liu D, Cao J, Ma C

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

Continuous intake of galacto-oligosaccharides containing syrup contributes to maintaining the health of household cats by modulating their gut microbiota.

**Bioscience of microbiota, food and health** , Volume: 44 Issue: 2 2025

Authors Hokkyo A, Kakiyama S, Shiwa Y, Kaga C, Kobayashi T, Nomoto K, Harima-Mizusawa N

Superior ability of dietary fiber utilization in obese breed pigs linked to gut microbial hydrogenotrophy.

**ISME communications** , Volume: 5 Issue: 1 2025 Jan

Authors Li X, Mu C, Wu H, Zoetendal EG, Huang R, Yu K, Zhu W

Curcumin Ameliorated Glucocorticoid-Induced Osteoporosis While Modulating the Gut Microbiota and Serum Metabolome.

**Journal of agricultural and food chemistry** , 2025 Mar 26

Authors Li S, Zhang Y, Ding S, Chang J, Liu G, Hu S

Antimicrobial Sponge: A Polyvinyl Alcohol, Tannic Acid and Curcumin-Loaded Nanolignin Hydrogel Composite Scaffold.

**Gels (Basel, Switzerland)** , Volume: 11 Issue: 3 2025 Feb 26

Authors Anand R, Collard D, Thomann JS, Duda D

Impact of a High-Fat Diet on the Gut Microbiome: A Comprehensive Study of Microbial and Metabolite Shifts During Obesity.

**Cells** , Volume: 14 Issue: 6 2025 Mar 20

Authors Mamun MAA, Rakib A, Mandal M, Singh UP

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

Combination of dietary fiber and exercise training improves fat loss in mice, but does not ameliorate MASLD more than exercise alone.

**American journal of physiology. Gastrointestinal and liver physiology** , 2025 Mar 4

Authors Kovynev A, Charchuta MM, Begtašević A, Ducarmon QR, Rensen PCN, Schönke M

Chemical compositions and synergistical antimicrobial effects of essential oils from four commonly used Satureja species in combination with two conventional antibiotics.

**Chemistry & biodiversity** , 2025 Feb 27

*Authors* Abbad I,Soulaimani B,Iriti M,Barakate M

Chemical Characterization and Antibiotic-Enhancing Activity of the Essential Oils of Propolis of *Melipona quadrifasciata quadrifasciata*.

**Plants (Basel, Switzerland) , Volume: 14 Issue: 4 2025 Feb 14**

*Authors* Albuquerque ES,Paulo CLR,de Oliveira Borges JA,Gonçalves SA,Alencar GG,Ferreira do Carmo J,de Moraes Almeida AI,Santos MLD,Almeida-Bezerra JW,da Silva LE,Oliveira-Tintino CDM,Coutinho HDM

Dairy Consumption and the Colonic Mucosa-Associated Gut Microbiota in Humans-A Preliminary Investigation.

**Nutrients , Volume: 17 Issue: 3 2025 Feb 2**

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

The effect of high-fiber diet based on gut microbiota in patients with chronic heart failure.

**Physiological genomics , Volume: 57 Issue: 3 2025 Mar 1**

*Authors* Li L,Yang L,Liu M

Curcumin Mitigates Gut Dysbiosis and Enhances Gut Barrier Function to Alleviate Metabolic Dysfunction in Obese, Aged Mice.

**Biology , Volume: 13 Issue: 12 2024 Nov 21**

*Authors* Lamichhane G,Olawale F,Liu J,Lee DY,Lee SJ,Chaffin N,Alake S,Lucas EA,Zhang G,Egan JM,Kim Y

Gut microbiota involvement in the effect of water-soluble dietary fiber on fatty liver and fibrosis.

**Bioscience of microbiota, food and health , Volume: 44 Issue: 1 2025**

*Authors* Sato S,Iino C,Chinda D,Sasada T,Soma G,Tateda T,Furusawa K,Yoshida K,Sawada K,Mikami T,Nakaji S,Sakuraba H,Fukuda S

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

The relationship between a high-fat diet, gut microbiome, and systemic chronic inflammation: insights from integrated multiomics analysis.

**The American journal of clinical nutrition , Volume: 121 Issue: 3 2025 Mar**

*Authors* Du Z,Liu X,Xie Z,Wang Q,Lv Z,Li L,Wang H,Xue D,Zhang Y

Impact of cigarette smoking on gut microbial dysbiosis: a structured literature review.

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

*Authors* Imade EE,Obayagbona NO

Gut Microbiota: Association with Fiber Intake, Ultra-Processed Food Consumption, Sex, Body Mass Index, and Socioeconomic Status in Medical Students.

**Nutrients , Volume: 16 Issue: 23 2024 Dec 9**

*Authors* Moreno-Altamirano L,Robles-Rivera K,Castelán-Sánchez HG,Vaca-Paniagua F,Iñarritu Pérez MDC,Hernández-Valencia SE,Cruz-Casarrubias C,García-García JJ,Ruiz de la Cruz M,Martínez-Gregorio H,Díaz Velásquez CE,Soto-Estrada G,Navarro-Ocaña A,Carrillo-Medina S

Natural compounds in the fight against *Staphylococcus aureus* biofilms: a review of antibiofilm strategies.

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

*Authors* Kashi M,Noei M,Chegini Z,Shariati A

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

Gut microbiota and mycobiota change with feeding duration in mice on a high-fat and high-fructose diet.

**BMC microbiology , Volume: 24 Issue: 1 2024 Nov 29**

*Authors* Zheng R,Xiang X,Shi Y,Xie J,Xing L,Zhang T,Zhou Z,Zhang D

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

Chitin promotes equol production via n-acetylglucosamine in human fecal cultures.

**Anaerobe , Volume: 91 2024 Nov 26**

*Authors* Kodera M,Nakamura K,Yokoyama S

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

[Protective effects of insoluble dietary fiber from cereal bran against DSS-induced chronic colitis in mice: From inflammatory responses, oxidative stress, intestinal barrier, and gut microbiota.](#)

**International journal of biological macromolecules**, Volume: 283 Issue: Pt 2 2024 Dec

Authors Li M, Wang Q, Niu M, Yang H, Zhao S

[Galacto-oligosaccharides regulate intestinal mucosal sialylation to counteract antibiotic-induced mucin dysbiosis.](#)

**Food & function**, Volume: 15 Issue: 24 2024 Dec 9

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

[Daily intake of a dairy-based nutritional supplement improved self-reported gastrointestinal symptoms and modulated microbiota in adult Chinese volunteers.](#)

**Scientific reports**, Volume: 14 Issue: 1 2024 Nov 19

Authors Borewicz K, Zhao Y, Zhu Y

[The antimicrobial and antibiofilm effects of gentamicin, imipenem, and fucoidan combinations against dual-species biofilms of Staphylococcus aureus and Acinetobacter baumannii isolated from diabetic foot ulcers.](#)

**Annals of clinical microbiology and antimicrobials**, Volume: 23 Issue: 1 2024 Nov 15

Authors Nazari M, Taheri M, Nouri F, Bahmanzadeh M, Alikhani MY

[Phytochemicals, antioxidant, and antimicrobial activities of Opuntia stricta fruits peel.](#)

**Open veterinary journal**, Volume: 14 Issue: 10 2024 Oct

Authors Affi W, Mohamed AA, Gharsallah N, Smetanska I, Zourgui L

[Investigating antibacterial and anti-inflammatory properties of synthetic curcuminoids.](#)

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

Authors Veselá K, Kejík Z, Abramenko N, Kaplánek R, Jakubek M, Petrlova J

[Dipeptides from Lactiplantibacillus plantarum limit Pseudomonas aeruginosa pathogenesis.](#)

**Journal of applied microbiology**, Volume: 135 Issue: 11 2024 Nov 4

Authors Narasimulu J, Baburajan N, Saravanan TS, Raorane CJ, Vaidyanathan VK, Ravichandran V, Rajasekharan SK

[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-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

[Cigarette smoke compromises macrophage innate sensing in response to pneumococcal infection.](#)

**Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi**, 2024 Oct 28

Authors Liao WC, Chou CH, Ho MW, Chen JT, Chou SL, Huang YT, Bui NN, Wu HY, Lee CF, Huang WC, Lai CH

[Bone Healing via Carvacrol and Curcumin Nanoparticle on 3D Printed Scaffolds.](#)

**Small (Weinheim an der Bergstrasse, Germany)**, 2024 Oct 27

Authors Dahiya A, Chaudhari VS, Bose S

[Lecithin-based mixed polymeric micelles for activity improvement of curcumin against Staphylococcus aureus.](#)

**Journal of biomaterials science. Polymer edition**, 2024 Oct 26

Authors Jia Y, Li Y, Wang M, Wang F, Liu Q, Song Z

[Bifidogenic Effect of Human Milk Oligosaccharides on Pediatric IBD Fecal Microbiota.](#)

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

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

[Characterization of thyme essential oil microcapsules and potato starch/pectin composite films and their impact on the quality of chilled mutton.](#)

**Food chemistry**, Volume: 464 Issue: Pt 2 2025 Feb 1

Authors Wang J, Li L, Li Y, Song Q, Hu Y, Wang Q, Lu S

[Asymptomatic enteric pathogen carriage and its association with proton pump inhibitors use in men who have sex with men in Taiwan, 2019-2022.](#)

**International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases**, Volume: 149 2024 Oct 22

Authors Tsai CS, Lee NY, Chen PL, Chen SY, Lin YJ, Tsai PF, Tsai HP, Wang JL, Ko WC

[The effect of antibiotics on the intestinal microbiota in children - a systematic review.](#)

**Frontiers in allergy** , Volume: 5 2024

Authors Wurm J, Curtis N, Zimmermann P

[Association of glycerolipid metabolism with gut microbiota disturbances in a hamster model of high-fat diet-induced hyperlipidemia.](#)

**Frontiers in cellular and infection microbiology** , Volume: 14 2024

Authors Han L, Hu C, Du Z, Yu H, Du Y, Li L, Li F, Wang Y, Gao X, Sun X, Zhang Z, Qin Y

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

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

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

[Resource sharing of an infant gut microbiota synthetic community in combinations of human milk oligosaccharides.](#)

**The ISME journal** , Volume: 18 Issue: 1 2024 Jan 8

Authors Ioannou A, Berkhout MD, Scott WT Jr, Blijenberg B, Boeren S, Mank M, Knol J, Belzer C

[Curcumin and Vitamin D Reduce HMGB-1 mRNA Levels in Mice Infected with Salmonella typhi.](#)

**The Malaysian journal of medical sciences : MJMS** , Volume: 31 Issue: 5 2024 Oct

Authors Febriza A, Idrus HH

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

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

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

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

**Food & function** , 2024 Oct 11

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

[Lactiplantibacillus plantarum P101 Alleviated Alcohol-Induced Hepatic Lipid Accumulation in Mice via AMPK Signaling Pathway: Gut Microbiota and Metabolomics Analysis.](#)

**Probiotics and antimicrobial proteins** , 2024 Oct 10

Authors Feng X, Wang M, Wen S, Hu L, Lan Y, Xu H

[Salivary microbiota composition before and after use of proton pump inhibitors in patients with laryngopharyngeal reflux: a self-control study.](#)

**BMC oral health** , Volume: 24 Issue: 1 2024 Oct 8

Authors Cui X, Yin L, Zhang Y, Jiang X, Li L, Bi X

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

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

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

[Alginate Oligosaccharides Enhance Gut Microbiota and Intestinal Barrier Function, Alleviating Host Damage Induced by Deoxynivalenol in Mice.](#)

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

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

[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

[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

[Substitutive Effects of Milk vs. Vegetable Milk on the Human Gut Microbiota and Implications for Human Health.](#)

**Nutrients** , Volume: 16 Issue: 18 2024 Sep 14

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

[Candidate-Probiotic Lactobacilli and Their Postbiotics as Health-Benefit Promoters.](#)

**Microorganisms** , Volume: 12 Issue: 9 2024 Sep 19

Authors Dobrova L, Atanasova N, Donchev P, Krumova E, Abrashev R, Karakirova Y, Mladenova R, Tolchkov V, Ralchev N, Dishliyska V, Danova S

Determinants of raffinose family oligosaccharide use in Bacteroides species.

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

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

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

Soybean oil induces neuroinflammatory response through brain-gut axis under high-fat diet.

**Journal of traditional and complementary medicine** , Volume: 14 Issue: 5 2024 Sep

Authors Liu X, Tao R, Guo F, Zhang L, Qu J, Li M, Wu X, Wang X, Zhu Y, Wen L, Wang J

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

Isolation and Identification of Human Gut Bacteria Capable of Converting Curcumin to Its Hydrogenated Metabolites.

**Journal of agricultural and food chemistry** , Volume: 72 Issue: 37 2024 Sep 18

Authors Luo M, Wong S, Thanuphol P, Du H, Han Y, Lin M, Guo X, Bechtel TD, Gibbons JG, Xiao H

Cytotoxicity assessment and antimicrobial effects of cell-free supernatants from probiotic lactic acid bacteria and yeast against multi-drug resistant Escherichia coli.

**Letters in applied microbiology** , Volume: 77 Issue: 9 2024 Sep 2

Authors Ozma MA, Ghotaslou R, Asgharzadeh M, Abbasi A, Rezaee MA, Kafil HS

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

Lactobacillus plantarum Ameliorates Colorectal Cancer by Ameliorating the Intestinal Barrier through the CLA-PPAR-? Axis.

**Journal of agricultural and food chemistry** , Volume: 72 Issue: 36 2024 Sep 11

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

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

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

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

The alleviative effects of viable and inactive Lactobacillus paracasei CCFM1120 against alcoholic liver disease via modulation of gut microbiota and the Nrf2/HO-1 and TLR4/MyD88/NF-?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

Bamboo fiber improves piglet growth performance by regulating the microbial composition of lactating sows and their offspring piglets.

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

Authors Dai F, Lin T, Jin M, Huang X, Wang L, Ma J, Yu H, Fan X, Nong X, Zuo J

Exploring the anti-inflammatory effects of postbiotic proteins from Lactobacillus delbrueckii CIDCA 133 on inflammatory bowel disease model.

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

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

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

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

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

Improving insulin resistance by sulforaphane via activating the Bacteroides and Lactobacillus SCFAs-GPR-GLP1 signal axis.

**Food & function** , 2024 Jul 24

Authors Tian S, Lei Y, Zhao F, Che J, Wu Y, Lei P, Kang YE, Shan Y

In vitro analysis of postbiotic antimicrobial activity against Candida Species in a minimal synthetic model simulating the gut microbiota in obesity.

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

Authors *García-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, Tapaamorndech 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*

Aging Modulates the Effect of Dietary Glycemic Index on Gut Microbiota Composition in Mice.

**The Journal of nutrition** , Volume: 154 Issue: 9 2024 Sep

Authors *Zhu Y, Yeo EN, Smith KM, Greenberg AS, Rowan 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*

The interplay between diet and the gut microbiome: implications for health and disease.

**Nature reviews. Microbiology** , 2024 Jul 15

Authors *Ross FC, Patangia D, Grimaud G, Lavelle A, Dempsey EM, Ross RP, Stanton C*

The Efficacy of Antimicrobial Peptides Against Gentamicin-Resistant Klebsiella pneumoniae [Letter].

**Infection and drug resistance** , Volume: 17 2024

Authors *Mardiana M*

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

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

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

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

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

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

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

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

Authors *Ei-Tahan HM, Elmasry ME, Madian HA, Alhimaidi AR, Kim IH, Park JH, Ei-Tahan HM*

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

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

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

Curcumin-based residue-free and reusable photodynamic inactivation system for liquid foods and its application in freshly squeezed orange juice.

**Food chemistry** , Volume: 458 2024 Nov 15

Authors *Liu Y, Li Y, Shao C, Wang P, Wang X, Li R*

Lactocaseibacillus 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*

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*

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

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

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

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

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

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

[Procyanidin B1 and Coumaric Acid from Highland Barley Alleviated High-Fat-Diet-Induced Hyperlipidemia by Regulating PPAR \$\alpha\$ -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

[Ameliorating effects of Orostachys japonica against high-fat diet-induced obesity and gut dysbiosis.](#)

**Journal of ethnopharmacology** , Volume: 333 2024 Jun 21

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

[3D printed scaffolds with quercetin and vitamin D3 nanocarriers: In vitro cellular evaluation.](#)

**Journal of biomedical materials research. Part A** , 2024 Jun 18

Authors Bose S,Chaudhari VS,Kushram P

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

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

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

[Bacillus subtilis SF106 and Bacillus clausii SF174 spores reduce the inflammation and modulate the gut microbiota in a colitis model.](#)

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

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

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

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

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

[Amelioration of walnut, peony seed and camellia seed oils against D-galactose-induced cognitive impairment in mice by regulating gut microbiota.](#)

**Food & function** , Volume: 15 Issue: 13 2024 Jul 1

Authors Kang T,Zheng J,Jiang C,Jin L,Li C,Chen B,Shen Y

[Prebiotic galactooligosaccharide improves piglet growth performance and intestinal health associated with alterations of the hindgut microbiota during the peri-weaning period.](#)

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

Authors Boston TE,Wang F,Lin X,Kim SW,Fellner V,Scott MF,Ziegler AL,Van Landeghem L,Bliklager AT,Odle J

[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

[The ameliorative and neuroprotective effects of dietary fibre on hyperuricaemia mice: a perspective from microbiome and metabolome.](#)

**The British journal of nutrition** , Volume: 132 Issue: 3 2024 Aug 14

Authors Wang Y,Miao F,Wang J,Zheng M,Yu F,Yi Y

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

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

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

[Multifunctional chitosan-cross linked- curcumin-tannic acid biocomposites disrupt quorum sensing and biofilm formation in pathogenic bacteria.](#)

**International journal of biological macromolecules** , Volume: 271 Issue: Pt 1 2024 Jun

Authors Khan ZA,Wani MY,Ahmad A,Basha MT,Aly NA,Yakout AA

[Smoking induced salivary microbiome dysbiosis and is correlated with lipid biomarkers.](#)

**BMC oral health** , Volume: 24 Issue: 1 2024 May 25

Authors Mohammed LI,Razali R,Zakaria ZZ,Benslimane FM,Cyprian F,Al-Asmakh M

Curcumin supplementation alleviates hepatic fat content associated with modulation of gut microbiota-dependent bile acid metabolism in patients with nonalcoholic simple fatty liver disease: a randomized controlled trial.

**The American journal of clinical nutrition** , Volume: 120 Issue: 1 2024 Jul

Authors He Y,Chen X,Li Y,Liang Y,Hong T,Yang J,Cao Z,Mai H,Yao J,Zhang T,Wu K,Zou J,Feng D

Comparative study the alleviated effects of various oligosaccharides on colitis in mice.

**International immunopharmacology** , Volume: 135 2024 Jun 30

Authors Wang L,Pan Y,Zhang X,Ren X

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

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

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

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

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

Increased tolerance to commonly used antibiotics in a Pseudomonas aeruginosa ex vivo porcine keratitis model.

**Microbiology (Reading, England)** , Volume: 170 Issue: 5 2024 May

Authors Okurowska K,Monk PN,Karunakaran E

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

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

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

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

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

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

Relationship between dietary fiber content and prebiotic potential of polysaccharides from the seaweeds of the North west coast of India.

**International journal of biological macromolecules** , Volume: 269 Issue: Pt 2 2024 Jun

Authors Jagtap AS,Manohar CS,Kadam NS

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

Efficacy of an inulin-based treatment on intestinal colonization by multidrug-resistant E. coli: insight into the mechanism of action.

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

Authors Ishnaiwer M,Le Bastard Q,Naour M,Zeman M,Dailly E,Montassier E,Batard E,Dion M

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

In Vitro Fermentation Shows Polyphenol and Fiber Blends Have an Additive Beneficial Effect on Gut Microbiota States.

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

Authors Whitman JA,Doherty LA,Pantoja-Feliciano de Goodfellow IG,Racicot K,Anderson DJ,Kensil K,Karl JP,Gibson GR,Soares

JW

[Antivirulence Effects of Trans-Resveratrol and Curcumin on Methicillin-Resistant Staphylococcus aureus \(MRSA\) from Saudi Arabia.](#)

**Life (Basel, Switzerland)** , Volume: 14 Issue: 4 2024 Apr 10

Authors Alqahtani M,Almukainzi M,Alghoribi MF,El-Mahdy AM

[Functional evaluation of Bacillus licheniformis PF9 for its potential in controlling enterotoxigenic Escherichia coli in weaned piglets.](#)

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

Authors Xu H,Gong J,Lu P,Azevedo P,Li L,Yu H,Yang C

[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

[Enterococcus faecium supplementation prevents enteritis caused by Escherichia coli in goats.](#)

**Beneficial microbes** , Volume: 14 Issue: 5 2023 Oct 30

Authors Dong J,Jiang Y,Li Z,Liu K,Guo L,Cui L,Wang H,Li J

[Intake of compound probiotics accelerates the construction of immune function and gut microbiome in Holstein calves.](#)

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

Authors Cai X,Yi P,Chen X,Wu J,Lan G,Li S,Luo S,Huang F,Huang J,Shen P

[Longitudinal Microbiome Changes in Children Exposed to Proton Pump Inhibitors.](#)

**Clinical and translational gastroenterology** , Volume: 15 Issue: 9 2024 Sep 1

Authors Zhang YJ,Connearney S,Hester L,Du M,Catacora A,Akkara A,Wen A,Bry L,Alm EJ,Rosen R

[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

[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

[Antifungal mechanism of Lactiplantibacillus plantarum P10 against Aspergillus niger and its in-situ biopreservative application in Chinese steamed bread.](#)

**Food chemistry** , Volume: 449 2024 Aug 15

Authors Ma M,Li A,Feng J,Wang Z,Jia Y,Ma X,Ning Y

[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

[Curcumin alleviates cecal oxidative injury in diquat-induced broilers by regulating the Nrf2/ARE pathway and microflora.](#)

**Poultry science** , Volume: 103 Issue: 5 2024 May

Authors Wu F,Zhao M,Tang Z,Wang F,Han S,Liu S,Chen B

[Konjac Oligosaccharides Alleviated Ovariectomy-Induced Bone Loss through Gut Microbiota Modulation and Treg/Th17 Regulation.](#)

**Journal of agricultural and food chemistry** , 2024 Mar 29

Authors Ai T,Shang L,Li B,Li J,Qin R

[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

[Dose-Responsive Effects of Iron Supplementation on the Gut Microbiota in Middle-Aged Women.](#)

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

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

[Postbiotics from Lactobacillus delbrueckii Alleviate Intestinal Inflammation by Promoting the Expansion of Intestinal Stem Cells in S. Typhimurium-Induced Mice.](#)

**Foods (Basel, Switzerland)** , Volume: 13 Issue: 6 2024 Mar 14

Authors Wang M,Ren Y,Guo X,Ye Y,Zhu H,Zhang J,Huang Z,Yu K

Preventive nasal administration of flagellin restores antimicrobial effect of gentamicin and protects against a multidrug-resistant strain of *Pseudomonas aeruginosa*.

**Antimicrobial agents and chemotherapy** , Volume: 68 Issue: 5 2024 May 2

Authors Maia AR,Cezard A,Fouquenot D,Vasseur V,Briard B,Sirard J-C,Si-Tahar M,Hervé V

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

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

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

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

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

**Food & function** , 2024 Mar 22

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

Mannan-oligosaccharides promote gut microecological recovery after antibiotic disturbance.

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

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

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

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

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

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

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,Ichinoe 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

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

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

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

Short-term resistance training combined with cheese supplementation can optimize body parameters and intestinal microbiota in healthy adults.

**Journal of exercise science and fitness** , Volume: 22 Issue: 2 2024 Apr

Authors Lin YH,Li XH,Zhao HT,Chen JH,Li JQ,Yan Y

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

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

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

The differential effect of two cereal foods on gut environment: a randomized, controlled, double-blind, parallel-group study.

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

Authors Yamauchi Y,Masutomi H,Ishihara K,Hartanto T,Lee CG,Fukuda S

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

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

Authors Díaz R,Garrido D

Short term supplementation with cranberry extract modulates gut microbiota in human and displays a bifidogenic effect.

**NPJ biofilms and microbiomes** , Volume: 10 Issue: 1 2024 Mar 6

Authors Lessard-Lord J,Roussel C,Lupien-Meilleur J,Généreux P,Richard V,Guay V,Roy D,Desjardins Y

Curcumin protects mice with myasthenia gravis by regulating the gut microbiota, short-chain fatty acids, and the Th17/Treg

[balance.](#)

**Heliyon** , Volume: 10 Issue: 4 2024 Feb 29

Authors Sun J,Xie Q,Sun M,Zhang W,Wang H,Liu N,Wang M

[Inhibitory Effects of Endemic Thyme's Thymol-Carvacrol Chemotype Essential Oil on Aspergillus Species with Free Radical Scavenging Properties.](#)

**Chemistry & biodiversity** , Volume: 21 Issue: 5 2024 May

Authors Mirahmadi SF,Shayganfar A

[Olive oil nanoemulsion containing curcumin: antimicrobial agent against multidrug-resistant bacteria.](#)

**Applied microbiology and biotechnology** , Volume: 108 Issue: 1 2024 Feb 27

Authors Confessor MVA,Agreles MAA,Campos LAA,Silva Neto AF,Borges JC,Martins RM,Scavuzzi AML,Lopes ACS,Kretzschmar EAM,Cavalcanti IMF

[Curcumin attenuates aflatoxin B1-induced ileum injury in ducks by inhibiting NLRP3 inflammasome and regulating TLR4/NF- \$\kappa\$ B signaling pathway.](#)

**Mycotoxin research** , Volume: 40 Issue: 2 2024 May

Authors Pan H,Hu T,He Y,Zhong G,Wu S,Jiang X,Rao G,You Y,Ruan Z,Tang Z,Hu L

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

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

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

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

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

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

[Adjunctive efficacy of Bifidobacterium animalis subsp. lactis XLTG11 for functional constipation in children.](#)

**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology]** , Volume: 55 Issue: 2 2024 Jun

Authors Chen K,Zhou Z,Nie Y,Cao Y,Yang P,Zhang Y,Xu P,Yu Q,Shen Y,Ma W,Jin S,Liu C

[High-fat diet disrupts the gut microbiome, leading to inflammation, damage to tight junctions, and apoptosis and necrosis in Nyctereutes procyonoides intestines.](#)

**Microbiology spectrum** , Volume: 12 Issue: 4 2024 Apr 2

Authors Wei C,Xu T,Geng Y,Yang J,Lv H,Guo M-y

[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

[Synergistic antimicrobial interaction of plant essential oils and extracts against foodborne pathogens.](#)

**Food science & nutrition** , Volume: 12 Issue: 2 2024 Feb

Authors Angane M,Swift S,Huang K,Perera J,Chen X,Butts CA,Quek SY

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

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

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

[Alcohol-induced gut microbiome dysbiosis enhances the colonization of Klebsiella pneumoniae on the mouse intestinal tract.](#)

**mSystems** , Volume: 9 Issue: 3 2024 Mar 19

Authors Shen M,Zhao H,Han M,Su L,Cui X,Li D,Liu L,Wang C,Yang F

[Dietary Lactobacillus delbrueckii Affects Ileal Bacterial Composition and Circadian Rhythms in Pigs.](#)

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

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

[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,Lauw S,Wong VWS,You L,Cheung PCK

[Anti-Diabetic Potentials of Lactobacillus Strains by Modulating Gut Microbiota Structure and  \$\beta\$ -Cells Regeneration in the Pancreatic Islets of Alloxan-Induced Diabetic Rats.](#)

**Probiotics and antimicrobial proteins** , 2024 Feb 8

Authors Kumar M,Muthurayar T,Karthika S,Gayathri S,Varalakshmi P,Ashokkumar B

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

**Veterinary research communications** , 2024 Feb 7

Authors Strompřová V,Štempelová L,Wolaschka T

[Effect of Lactocaseibacillus paracasei K56 with galactooligosaccharide synbiotics on obese individuals: an in vitro fermentation model.](#)

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

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

[Mitigation of high-fat diet-induced hepatic steatosis by thyme \(Thymus quinquecostatus Celak\) polyphenol-rich extract \(TPE\): insights into gut microbiota modulation and bile acid metabolism.](#)

**Food & function** , 2024 Feb 2

Authors Sheng X,Zhan P,Wang P,He W,Tian H

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

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

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

[The 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

[Argan: Phytochemical profiling and evaluation of the antioxidant, hypoglycemic, and antibacterial properties of its fruit pulp extracts.](#)

**Heliyon** , Volume: 10 Issue: 1 2024 Jan 15

Authors Alaoui A,Sahri N,Mahdi I,Fahsi N,El Herradi EH,Sobeh M

[Enhancing immune response, antioxidant capacity, and gut health in growing beagles through a chitooligosaccharide diet.](#)

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

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

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

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

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

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

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

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

[Dietary supplementation with probiotics promotes weight loss by reshaping the gut microbiome and energy metabolism in obese dogs.](#)

**Microbiology spectrum** , 2024 Jan 25

Authors Kang A,Kwak M-J,Lee DJ,Lee JJ,Kim MK,Song M,Lee M,Yang J,Oh S,Kim Y

[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

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

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

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

[Mechanism of Iron Ion Homeostasis in Intestinal Immunity and Gut Microbiota Remodeling.](#)

**International journal of molecular sciences** , Volume: 25 Issue: 2 2024 Jan 5

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

[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

[Simulated digestions of free oligosaccharides and mucin-type O-glycans reveal a potential role for Clostridium perfringens.](#)

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

Authors McDonald AG,Lisacek F

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

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

Gut Microbiota Dysbiosis and Intestinal Barrier Impairment in Diarrhea Caused by Cold drink and high-fat diet.

**Toxicology** , 2024 Jan 10

Authors Tian Y,Fu M,Su J,Yan M,Yu J,Wang C,Niu Z,Du Y,Hu X,Zheng J,Tao B,Gao Z,Chen J,Chen S,Lv G

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

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

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

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

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

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

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

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

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

Lactiplantibacillus plantarum 06CC2 upregulates intestinal ZO-1 protein and bile acid metabolism in Balb/c mice fed high-fat diet.

**Bioscience of microbiota, food and health** , Volume: 43 Issue: 1 2024

Authors Yamasaki M,Miyamoto Y,Ogawa K,Nishiyama K,Tsend-Ayush C,Li Y,Matsusaki T,Nakano T,Takeshita M,Arima Y

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

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

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

Lactiplantibacillus plantarum X7022 Plays Roles on Aging Mice with Memory Impairment Induced by D-Galactose Through Restoring Neuronal Damage, Relieving Inflammation and Oxidative Stress.

**Probiotics and antimicrobial proteins** , Volume: 17 Issue: 1 2025 Feb

Authors Yin D,Zhao L,Deng S,Xie Y,Ro KS,Yang Z,Du L,Xie J,Wei D

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

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

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

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

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

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

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

Therapeutic effects of curcumin on constipation-predominant irritable bowel syndrome is associated with modulating gut microbiota and neurotransmitters.

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

Authors Tu X,Ren H,Bu S

Relationships between diet and gut microbiome in an Italian and Dutch cohort: does the dietary protein to fiber ratio play a role?

**European journal of nutrition** , Volume: 63 Issue: 3 2024 Apr

Authors Tagliamonte S,Puhlmann ML,De Filippis F,Guerville M,Ercolini D,Vitaglione P

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

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

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

Sulforaphane and Sulforaphane-Nitrile Metabolism in Humans Following Broccoli Sprout Consumption: Inter-individual

Variation, Association with Gut Microbiome Composition, and Differential Bioactivity.**Molecular nutrition & food research** , Volume: 68 Issue: 4 2024 Feb

Authors Bouranis JA,Beaver LM,Wong CP,Choi J,Hamer S,Davis EW,Brown KS,Jiang D,Sharpton TJ,Stevens JF,Ho E

Dietary fibre confers therapeutic effects in a preclinical model of Huntington's disease.**Brain, behavior, and immunity** , Volume: 116 2024 Feb

Authors Gubert C,Kong G,Costello C,Adams CD,Masson BA,Qin W,Choo J,Narayana VK,Rogers G,Renoir T,Furness JB,Hannan AJ

Effects of Lactobacillus plantarum HW1 on Growth Performance, Intestinal Immune Response, Barrier Function, and Cecal Microflora of Broilers with Necrotic Enteritis.**Animals : an open access journal from MDPI** , Volume: 13 Issue: 24 2023 Dec 10

Authors Chen P,Lv H,Liu W,Wang Y,Zhang K,Che C,Zhao J,Liu H

Combinatorial application of cuminaldehyde and gentamicin shows enhanced antimicrobial and antibiofilm action on Pseudomonas aeruginosa.**Folia microbiologica** , Volume: 69 Issue: 4 2024 Aug

Authors Chatterjee S,Paul P,Chakraborty P,Das S,Das Gupta A,Roy R,Malik M,Sarkar S,Sarker RK,Tribedi P

Proton Pump Inhibitors Modulate Gene Expression Profile in Esophageal Mucosa and Microbiome.**The journal of pediatric pharmacology and therapeutics : JPPT : the official journal of PPAG** , Volume: 28 Issue: 6 2023

Authors Rajagopala SV,Shilts MH,Correa H,Das SR,Choksi YA,Jacobse J,Goettel JA,Hiremth G

In silico design and mechanistic study of niosome-encapsulated curcumin against multidrug-resistant Staphylococcus aureus biofilms.**Frontiers in microbiology** , Volume: 14 2023

Authors Khaleghian M,Sahrayi H,Hafezi Y,Mirshafeeyan M,Moghaddam ZS,Farasati Far B,Noorbazargan H,Mirzaie A,Ren Q

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

Effects of pomegranate (Punica granatum L.) peel on the growth performance and intestinal microbiota of broilers challenged with Escherichia coli.**Poultry science** , Volume: 103 Issue: 2 2024 Feb

Authors Xu P,Wang J,Chen P,Ding H,Wang X,Li S,Fan X,Zhou Z,Shi D,Li Z,Cao S,Xiao Y

Kale improves bowel movements in constipated women and affects some intestinal microbes and metabolites: a pilot study.**Frontiers in nutrition** , Volume: 10 2023

Authors Nishimoto Y,Salim F,Yamauchi Y,Mori Y,Murakami S,Suzuki A,Fukuda S,Yamada T

The Inhibitory Activity of Lactobacillus plantarum Supernatant against Enterobacteria, Campylobacter, and Tumor Cells.**Bulletin of experimental biology and medicine** , Volume: 176 Issue: 1 2023 Nov

Authors Danilova TA,Adzhieva AA,Mezentseva MV,Suetina IA,Danilina GA,Minko AG,Dmitrieva ML,Zhukhovitsky VG

Anti-allergic effects of Ulva-derived polysaccharides, oligosaccharides and residues in a murine model of food allergy.**Heliyon** , Volume: 9 Issue: 12 2023 Dec

Authors Ou JY,Wei YJ,Liu FL,Huang CH

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

A High-Fat Diet Increases the Characteristics of Gut Microbial Composition and the Intestinal Damage Associated with Non-Alcoholic Fatty Liver Disease.**International journal of molecular sciences** , Volume: 24 Issue: 23 2023 Nov 24

Authors Zhu X,Cai J,Wang Y,Liu X,Chen X,Wang H,Wu Z,Bao W,Fan H,Wu S

Multi-omics reveals the protective effects of curcumin against AFB1-induced oxidative stress and inflammatory damage in duckling intestines.**Comparative biochemistry and physiology. Toxicology & pharmacology : CBP** , Volume: 276 2024 Feb

Authors Jiang X,Liu H,You Y,Zhong G,Ruan Z,Liao J,Zhang H,Pan J,Tang Z,Hu L

Akkermansia muciniphila and Alcohol-Related Liver Diseases. A Systematic Review.**Molecular nutrition & food research** , Volume: 68 Issue: 2 2024 Jan

Authors Sparfel L,Ratodiaryovny 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

[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

[Curcumin alleviates traumatic brain injury induced by gas explosion through modulating gut microbiota and suppressing the LPS/TLR4/MyD88/NF- \$\kappa\$ B pathway.](#)

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

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

[Prebiotic potential of green banana flour: impact on gut microbiota modulation and microbial metabolic activity in a murine model.](#)

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

Authors Baek GH,Kim YJ,Lee Y,Jung SC,Seo HW,Kim JS

[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

[Influence of Sex and a High-Fiber Diet on the Gut Microbiome of Alentejano Pigs Raised to Heavy Weights.](#)

**Veterinary sciences** , Volume: 10 Issue: 11 2023 Nov 2

Authors Albuquerque A,Garrido N,Charneca R,Egas C,Martin L,Ramos A,Costa F,Marmelo C,Martins JM

[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

[Gut microbiota, host lipid metabolism and regulation mechanism of high-fat diet induced mice following different probiotics-fermented wheat bran intervention.](#)

**Food research international (Ottawa, Ont.)** , Volume: 174 Issue: Pt 1 2023 Dec

Authors Wu Q,Zhuang M,Guo T,Bao S,Wu S,Ke S,Wang X,Wang A,Zhou Z

[Gut microbiome supplementation as therapy for metabolic syndrome.](#)

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

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

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

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

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

[Utilization of diverse oligosaccharides for growth by Bifidobacterium and Lactobacillus species and their in vitro co-cultivation characteristics.](#)

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

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

[Dietary Galactooligosaccharides Supplementation as a Gut Microbiota-Regulating Approach to Lower Early Life Arsenic Exposure.](#)

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

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

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

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

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

[A potential strategy against clinical carbapenem-resistant Enterobacteriaceae: antimicrobial activity study of sweetener-decorated gold nanoparticles in vitro and in vivo.](#)

**Journal of nanobiotechnology** , Volume: 21 Issue: 1 2023 Nov 6

Authors Liu H,Huang Z,Chen H,Zhang Y,Yu P,Hu P,Zhang X,Cao J,Zhou T

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

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

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

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

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

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

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

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

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

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

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

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

Consumption of sucralose- and acesulfame-potassium-containing diet soda alters the relative abundance of microbial taxa at the species level: findings of two pilot studies.

**Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme** , Volume: 49 Issue: 1 2024 Jan 1

*Authors Sylvetsky AC,Clement RA,Stearrett N,Issa NT,Dore FJ,Mazumder R,King CH,Hubal MU,Walter PJ,Cai H,Sen S,Rother KI,Crandall KA*

High-fibre diets regulate antioxidative capacity and promote intestinal health by regulating bacterial microbiota in growing pigs.

**Journal of animal physiology and animal nutrition** , Volume: 108 Issue: 2 2024 Mar

*Authors Li Z,Zhao Y,Wang H,Zhang W,Zhang C,Xie J,Ma X*

Spices as Sustainable Food Preservatives: A Comprehensive Review of Their Antimicrobial Potential.

**Pharmaceuticals (Basel, Switzerland)** , Volume: 16 Issue: 10 2023 Oct 12

*Authors Sulieman AME,Abdallah EM,Alanazi NA,Ed-Dra A,Jamal A,Idriss H,Alshammari AS,Shommo SAM*

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

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

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

Analysis of the influence of host lifestyle (coffee consumption, drinking, and smoking) on Korean oral microbiome.

**Forensic science international. Genetics** , Volume: 68 2024 Jan

*Authors Yu KM,Cho HS,Lee AM,Lee JW,Lim SK*

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*

Phlorizin Mitigates Dextran Sulfate Sodium-Induced Colitis in Mice by Modulating Gut Microbiota and Inhibiting Ferroptosis.

**Journal of agricultural and food chemistry** , 2023 Oct 19

*Authors Cheng J,Liu D,Huang Y,Chen L,Li Y,Yang Z,Fu S,Hu G*

Pectic oligosaccharides ameliorate high-fat diet-induced obesity and hepatic steatosis in association with modulating gut microbiota in mice.

**Food & function** , Volume: 14 Issue: 21 2023 Oct 30

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

Effect of grape pomace supplement on growth performance, gastrointestinal microbiota, and methane production in Tan lambs.

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

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

Thymus Vulgaris Oil Nanoemulsion: Synthesis, Characterization, Antimicrobial and Anticancer Activities.

**Molecules (Basel, Switzerland)** , Volume: 28 Issue: 19 2023 Oct 2

*Authors Doghish AS,Shehabeldine AM,El-Mahdy HA,Hassanin MMH,Al-Askar AA,Marey SA,AbdElgawad H,Hashem AH*

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

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

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

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

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

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

Antiultraviolet, Antioxidant, and Antimicrobial Properties and Anticancer Potential of Novel Environmentally Friendly Amide-Modified Gallic Acid Derivatives.

**Journal of agricultural and food chemistry** , 2023 Oct 6

Authors Wang X,Cong J,Zhang L,Han Z,Jiang X,Yu L

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

Alkaline arginine promotes the gentamicin-mediated killing of drug-resistant Salmonella by increasing NADH concentration and proton motive force.

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

Authors Zhu C,Zhou Y,Kang J,Yang H,Lin J,Fang B

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

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

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

Effects of alcohol on the symptoms of gouty arthritis and taxonomic structure of gut microbiota in C57BL/6 mice.

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

Authors Feng Y,Sun H,Zhu R,Tao J,Su R,Sun Y,Wang D

Functional proteins in breast milk and their correlation with the development of the infant gut microbiota: a study of mother-infant pairs.

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

Authors Xi M,Liang D,Yan Y,Duan S,Leng H,Yang H,Shi X,Na X,Yang Y,Yang C,Szeto IM,Zhao A

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

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

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

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

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

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

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

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

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

Steamed broccoli sprouts alleviate DSS-induced inflammation and retain gut microbial biogeography in mice.

**mSystems** , Volume: 8 Issue: 5 2023 Oct 26

Authors Holman JM,Colucci L,Baudewyns D,Balkan J,Hunt T,Hunt B,Kinney M,Holcomb L,Stratigakis A,Chen G,Moses PL,Mawe GM,Zhang T,Li Y,Ishaq SL

Mannan oligosaccharides selenium ameliorates intestinal mucosal barrier, and regulate intestinal microbiota to prevent Enterotoxigenic Escherichia coli -induced diarrhea in weaned piglets.

**Ecotoxicology and environmental safety** , Volume: 264 2023 Oct 1

Authors Zha A,Tu R,Qi M,Wang J,Tan B,Liao P,Wu C,Yin Y

Curcumin-sulfobutyl-ether beta cyclodextrin inclusion complex: preparation, spectral characterization, molecular modeling, and antimicrobial activity.

**Journal of biomolecular structure & dynamics** , Volume: 42 Issue: 19 2024

Authors Sravani AB,Shenoy K M,Chandrika B,Kumar B H,Kini SG,Pai K SR,Lewis SA

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

Antibiotic-Potentiating Effect of Some Bioactive Natural Products against Planktonic Cells, Biofilms, and Virulence Factors of Pseudomonas aeruginosa.

**BioMed research international** , Volume: 2023 2023

Authors Chimi LY,Bisso BN,Njateng GSS,Dzoyem JP

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

Comparing the Influences of Metformin and Berberine on the Intestinal Microbiota of Rats With Nonalcoholic Steatohepatitis.

**In vivo (Athens, Greece)** , Volume: 37 Issue: 5 2023 Sep-Oct

Authors Chen D,Xiong J,Chen G,Zhang Z,Liu Y,Xu J,Xu H

Curcumin alleviates imiquimod-induced psoriasis-like inflammation and regulates gut microbiota of mice.

**Immunity, inflammation and disease** , Volume: 11 Issue: 8 2023 Aug

Authors Cai Z,Wang W,Zhang Y,Zeng Y

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

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

Antibacterial activity of *Thymus vulgaris* (thyme) essential oil against strains of *Pseudomonas aeruginosa*, *Klebsiella pneumoniae* and *Staphylococcus saprophyticus* isolated from meat product.

**Brazilian journal of biology = Revista brasleira de biologia** , Volume: 83 2023

Authors Diniz AF,Santos B,Nóbrega LMMS,Santos VRL,Mariz WS,Cruz PSC,Nóbrega RO,Silva RL,Paula AFR,Santos JRDA,Pessôa HLF,Oliveira-Filho AA

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 Protective Effect of Broccoli Seed Extract against Lipopolysaccharide-Induced Acute Liver Injury via Gut Microbiota Modulation and Sulforaphane Production in Mice.

**Foods (Basel, Switzerland)** , Volume: 12 Issue: 14 2023 Jul 21

Authors Mao B,Ren B,Wu J,Tang X,Zhang Q,Zhao J,Zhang L,Chen W,Cui S

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

*Lactobacillus paracasei* ET-22 and derived postbiotics reduce halitosis and modulate oral microbiome dysregulation - a randomized, double-blind placebo-controlled clinical trial.

**Food & function** , Volume: 14 Issue: 16 2023 Aug 14

Authors Wuri G,Liu F,Sun Z,Fang B,Zhao W,Hung WL,Liu WH,Zhang X,Wang R,Wu F,Zhao L,Zhang M

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

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

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

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

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

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

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

Physicochemical, Rheological, and Sensory Characteristics of Yogurt Fermented by Lactic Acid Bacteria with Probiotic Potential and Bioprotective Properties.

**Foods (Basel, Switzerland) , Volume: 12 Issue: 13 2023 Jun 29**

*Authors Hoxha R,Evstatieva Y,Nikolova D*

[Short-Term Dietary Intervention with Whole Oats Protects from Antibiotic-Induced Dysbiosis.](#)

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

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

[Bacillus coagulans MZY531 alleviates intestinal mucosal injury in immunosuppressive mice via modulating intestinal barrier, inflammatory response, and gut microbiota.](#)

**Scientific reports , Volume: 13 Issue: 1 2023 Jul 10**

*Authors Zhao Z,Sun M,Cui X,Chen J,Liu C,Zhang X*

[Effects of whole-grain cereals on fecal microbiota and short-chain fatty acids in dogs: a comparison of rye, oats and wheat.](#)

**Scientific reports , Volume: 13 Issue: 1 2023 Jul 5**

*Authors Palmqvist H,Höglund K,Ringmark S,Lundh T,Dicksved J*

[Cell-free supernatant of probiotic bacteria exerted antibiofilm and antibacterial activities against Pseudomonas aeruginosa: A novel biotic therapy.](#)

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

*Authors Drummond MM,Tapia-Costa AP,Neumann E,Nunes AC,Barbosa JW,Kassuha DE,Mancha-Agresti P*

[Goat and cow milk differ in altering the microbiota composition and neurotransmitter levels in insomnia mouse models.](#)

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

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

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

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

*Authors Zhu J,Zhu Y,Song G*

[Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.](#)

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

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

[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,Nagabhashanam K,Mundkur L,Paulose S,Divakar H,Rao S,Arumugam S*

[Crosstalk between dietary pomegranate and gut microbiota: evidence of health benefits.](#)

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

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

[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*

[Targeted modification of gut microbiota and related metabolites via dietary fiber.](#)

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

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

[Characteristic Gut Bacteria in High Barley Consuming Japanese Individuals without Hypertension.](#)

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

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

[Modulatory Effects of A1 Milk, A2 Milk, Soy, and Egg Proteins on Gut Microbiota and Fermentation.](#)

**Microorganisms , Volume: 11 Issue: 5 2023 May 3**

*Authors Nuomin,Baek R,Tsuruta T,Nishino N*

[Steamed broccoli sprouts alleviate DSS-induced inflammation and retain gut microbial biogeography in mice.](#)

**bioRxiv : the preprint server for biology , 2023 May 23**

*Authors Holman JM,Colucci L,Baudewyns D,Balkan J,Hunt T,Hunt B,Kinney M,Holcomb L,Chen G,Moses PL,Mawe GM,Zhang T,Li Y,Ishaq SL*

[Bacillus coagulans \(Weizmannia coagulans\) XY2 attenuates Cu-induced oxidative stress via DAF-16/FoxO and SKN-1/Nrf2 pathways and gut microbiota regulation.](#)

**Journal of hazardous materials , Volume: 457 2023 Sep 5**

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

[Bacillus amyloliquefaciens alleviates the pathological injuries in mice infected with Schistosoma japonicum by modulating intestinal microbiome.](#)

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

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

[Debilitating Gentamicin Ototoxicity: Case Report and Recommendations Against Routine Use in Surgical Prophylaxis.](#)

**The Annals of otology, rhinology, and laryngology** , Volume: 132 Issue: 12 2023 Dec

Authors Kalmanson OA,McLoughlin KC,Kiser TH,Gubbels SP

[Dietary Fiber from Navel Orange Peel Prepared by Enzymatic and Ultrasound-Assisted Deep Eutectic Solvents: Physicochemical and Prebiotic Properties.](#)

**Foods (Basel, Switzerland)** , Volume: 12 Issue: 10 2023 May 16

Authors Zhou L,Luo J,Xie Q,Huang L,Shen D,Li G

[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

[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 improvement of intestinal dysbiosis and hepatic metabolic dysfunction in dextran sulfate sodium-induced colitis mice: effects of curcumin.](#)

**Journal of gastroenterology and hepatology** , Volume: 38 Issue: 8 2023 Aug

Authors Zhou F,Mai T,Wang Z,Zeng Z,Shi J,Zhang F,Kong N,Jiang H,Guo L,Xu M,Lin J

[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

[Preparation and characterization of curcumin/chitosan conjugate as an efficient photodynamic antibacterial agent.](#)

**Carbohydrate polymers** , Volume: 313 2023 Aug 1

Authors Zhao L,Ding X,Khan IM,Yue L,Zhang Y,Wang Z

[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

[Gentamicin alleviates cholestatic liver injury by decreasing gut microbiota-associated bile salt hydrolase activity in rats.](#)

**European journal of pharmacology** , Volume: 951 2023 May 12

Authors Ma Y,Wang H,Yang J,Xin M,Wu X

[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

[Milk protects against sarcopenic obesity due to increase in the genus Akkermansia in faeces of db/db mice.](#)

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

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

[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 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

[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

Baseline gut microbiome impacts probiotics Bacillus licheniformis CMCC63516 in modulating the gut microbiome and preventing antibiotic-associated diarrhea: A double-blind, randomized controlled trial.

**Clinical and translational medicine** , Volume: 13 Issue: 4 2023 Apr

Authors Zhou Q,Dai W,Bao Y,Chen J,Han X,Liu C,Hou M,Yao H,Hao C,Li S,Zheng Y

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

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

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

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

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

Antimicrobial and immunoregulatory effects of Lactobacillus delbrueckii 45E against genitourinary pathogens.

**Journal of biomedical science** , Volume: 30 Issue: 1 2023 Mar 23

Authors Bnfağa AA,Lee KW,Tham LTL,Amin-Nordin S

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

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

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

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

Identification and characterization of the causative agents of Focal Ulcerative Dermatitis in commercial laying hens.

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

Authors Ayala DI,Grum DS,Evans NP,Russo KN,Kimminau EA,Trible BR,Lahoti MM,Novak CL,Karnezos TP

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

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

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

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

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

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

[Efficacy of incremental loads of cow's milk as a treatment for lactose malabsorption in Japan.](#)

**World journal of clinical cases** , Volume: 11 Issue: 4 2023 Feb 6

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

[Effects of kiwi fruit \(\*Actinidia chinensis\*\) polysaccharides on metabolites and gut microbiota of acrylamide-induced mice.](#)

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

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

[Intestinal microbial composition changes induced by \*Lactobacillus plantarum\* GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.](#)

**Journal of animal science and technology** , Volume: 64 Issue: 6 2022 Nov

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

[Different gut microbiota in U.S. formula-fed infants consuming a meat vs. dairy-based complementary foods: A randomized controlled trial.](#)

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

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

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

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

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

[The Effects of Iron Deficiency on the Gut Microbiota in Women of Childbearing Age.](#)

**Nutrients** , Volume: 15 Issue: 3 2023 Jan 30

*Authors Seo H,Yoon SY,Ul-Haq A,Jo S,Kim S,Rahim MA,Park HA,Ghorbanian F,Kim MU,Lee MY,Kim KH,Lee N,Won JH,Song HY*

[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*

[The Antimicrobial Activity of Curcumin and Xanthohumol on Bacterial Biofilms Developed over Dental Implant Surfaces.](#)

**International journal of molecular sciences** , Volume: 24 Issue: 3 2023 Jan 25

*Authors Alonso-Español A,Bravo E,Ribeiro-Vidal H,Virto L,Herrera D,Alonso B,Sanz M*

[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*

[Comparative study between two different morphological structures based on polylactic acid, nanocellulose and magnetite for co-delivery of fluorouracil and curcumin.](#)

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

*Authors Bakr EA,Gaber M,Saad DR,Salahuddin N*

[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*

[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*

[Antibacterial Effect of 16 Essential Oils and Modulation of mex Efflux Pumps Gene Expression on Multidrug-Resistant \*Pseudomonas aeruginosa\* Clinical Isolates: Is Cinnamon a Good Fighter?](#)

**Antibiotics (Basel, Switzerland)** , Volume: 12 Issue: 1 2023 Jan 12

*Authors Co?eriu RL,Vintila C,Pribac M,Mare AD,Ciurea CN,Toganel RO,Cighir A,Simion A,Man A*

[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

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

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

Authors Bustos Fernández LM,Man F,Lasa JS

[Cranberry-lingonberry juice affects the gut and urinary microbiome in children - a randomized controlled trial.](#)

**APMIS : acta pathologica, microbiologica, et immunologica Scandinavica , Volume: 131 Issue: 3 2023 Mar**

Authors Hakkola M,Vehviläinen P,Muotka J,Tejesvi MV,Pokka T,Vähäsarja P,Hanni AM,Renko M,Uhari M,Salo J,Tapiainen T

[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

[Enhanced antimicrobial and antioxidant capacity of Thymus vulgaris, Lippia sidoides, and Cymbopogon citratus emulsions when combined with mannosylerythritol a lipid biosurfactant.](#)

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

Authors Zanotto AW,Kanemaru MYS,de Souza FG,Duarte MCT,de Andrade CJ,Pastore GM

[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

[Thyme \(Thymus vulgaris L.\) polyphenols ameliorate DSS-induced ulcerative colitis of mice by mitigating intestinal barrier damage, regulating gut microbiota, and suppressing TLR4/NF- \$\kappa\$ B-NLRP3 inflammasome pathways.](#)

**Food & function , Volume: 14 Issue: 2 2023 Jan 23**

Authors Zhou Z,He W,Tian H,Zhan P,Liu J

[The administration of Enterococcus faecium SF68 counteracts compositional shifts in the gut microbiota of diet-induced obese mice.](#)

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

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

[Quercetin alleviates intestinal inflammation and improves intestinal functions via modulating gut microbiota composition in LPS-challenged laying hens.](#)

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

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

[Curcumin loaded gold nanoparticles-chitosan/sodium alginate nanocomposite for nanotheranostic applications.](#)

**Journal of biomaterials science. Polymer edition , Volume: 34 Issue: 7 2023 May**

Authors Kolathupalayam Shanmugam B,Rajendran N,Arumugam K,Rangaraj S,Subramani K,Srinivasan S,Nayagam L,Aicher WK,Venkatachalam R

[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

[Dietary Supplementation with Black Raspberries Altered the Gut Microbiome Composition in a Mouse Model of Colitis-Associated Colorectal Cancer, although with Differing Effects for a Healthy versus a Western Basal Diet.](#)

**Nutrients , Volume: 14 Issue: 24 2022 Dec 10**

Authors Rodríguez DM,Hintze KJ,Rompato G,Wettere AJV,Ward RE,Phatak S,Neal C,Armbrust T,Stewart EC,Thomas AJ,Benninghoff AD

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

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

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

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

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

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

[Effects of a Specific Pre- and Probiotic Combination and Parent Stock Vaccination on Performance and Bacterial](#)

Communities in Broilers Challenged with a Multidrug-Resistant Escherichia coli.

**Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 12 2022 Nov 26**

*Authors Fuhrmann L,Zentek J,Vahjen W,Günther R,Saliu EM*

Galactooligosaccharides ameliorate dietary advanced glycation end product-induced intestinal barrier damage in C57BL/6 mice by modulation of the intestinal microbiome.

**Food & function , 2022 Dec 20**

*Authors Nie C,Xie X,Liu H,Yuan X,Ma Q,Tu A,Zhang M,Chen Z,Li J*

Intake of slow-digesting carbohydrates is related to changes in the microbiome and its functional pathways in growing rats with obesity induced by diet.

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

*Authors Plaza-Díaz J,Manzano M,Ruiz-Ojeda FJ,Giron MD,Salto R,López-Pedrosa JM,Santos-Fandilla A,García-Corcoles MT,Rueda R,Gil Á*

Effects of Polyphenols and Glucosinolates in Broccoli Extract on Human Gut Microorganisms Based on Simulation In Vitro.

**ACS omega , Volume: 7 Issue: 49 2022 Dec 13**

*Authors Zhang Y,Jiang C,Huang S,Sun J,Song X,Nishanbaev SZ,Benito MU,Wu Y*

Effects of highland barley  $\beta$ -glucan on blood glucose and gut microbiota in streptozotocin-induced, diabetic, C57BL/6 mice on a high-fat diet.

**Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 107 2023 Mar**

*Authors Zang Y,Liu J,Zhai A,Wu K,Chuang Y,Ge Y,Wang C*

Empire Apple (Malus domestica) Juice, Pomace, and Pulp Modulate Intestinal Functionality, Morphology, and Bacterial Populations In Vivo (Gallus gallus).

**Nutrients , Volume: 14 Issue: 23 2022 Nov 22**

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

Broccoli seed extract rich in polysaccharides and glucoraphanin ameliorates DSS-induced colitis via intestinal barrier protection and gut microbiota modulation in mice.

**Journal of the science of food and agriculture , Volume: 103 Issue: 4 2023 Mar 15**

*Authors Wu J,Guo W,Cui S,Tang X,Zhang Q,Lu W,Jin Y,Zhao J,Mao B,Chen W*

Curcumin Regulates Gut Microbiota and Exerts a Neuroprotective Effect in the MPTP Model of Parkinson's Disease.

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

*Authors Zhu H,Zhang H,Hou B,Xu B, Ji L,Wu Y*

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*

Enterococcus faecium GEFA01 alleviates hypercholesterolemia by promoting reverse cholesterol transportation via modulating the gut microbiota-SCFA axis.

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

*Authors Xu W,Zou K,Zhan Y,Cai Y,Zhang Z,Tao X,Qiu L,Wei H*

Investigation of Immunostimulatory Effects of Heat-Treated Lactiplantibacillus plantarum LM1004 and Its Underlying Molecular Mechanism.

**Food science of animal resources , Volume: 42 Issue: 6 2022 Nov**

*Authors Bae WY,Jung WH,Shin SL,Kwon S,Sohn M,Kim TR*

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*

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

[Amination Potentially Augments the Ameliorative Effect of Curcumin on Inhibition of the IL-6/Stat3/c-Myc Pathway and Gut Microbial Modulation in Colitis-Associated Tumorigenesis.](#)

**Journal of agricultural and food chemistry** , Volume: 70 Issue: 46 2022 Nov 23

Authors Koh YC, Tsai YW, Lee PS, Nagabhusanam K, Ho CT, Pan MH

[Neuroprotective Effects of Bifidobacterium breve CCFM1067 in MPTP-Induced Mouse Models of Parkinson's Disease.](#)

**Nutrients** , Volume: 14 Issue: 21 2022 Nov 4

Authors Li T, Chu C, Yu L, Zhai Q, Wang S, Zhao J, Zhang H, Chen W, Tian F

[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

[Effects of Proteases from Pineapple and Papaya on Protein Digestive Capacity and Gut Microbiota in Healthy C57BL/6 Mice and Dose-Manner Response on Mucosal Permeability in Human Reconstructed Intestinal 3D Tissue Model.](#)

**Metabolites** , Volume: 12 Issue: 11 2022 Oct 26

Authors Kostiuhenko O, Kravchenko N, Markus J, Burleigh S, Fedkiv O, Cao L, Letasiova S, Skibo G, Fåk Hållenius F, Prykhodko O

[Structural Insights into Amelioration Effects of Quercetin and Its Glycoside Derivatives on NAFLD in Mice by Modulating the Gut Microbiota and Host Metabolism.](#)

**Journal of agricultural and food chemistry** , Volume: 70 Issue: 46 2022 Nov 23

Authors Shi Z, Zhang C, Lei H, Chen C, Cao Z, Song Y, Chen G, Wu F, Zhou J, Lu Y, Zhang L

[Molecular actions of different functional oligosaccharides on intestinal integrity, immune function and microbial community in weanling pigs.](#)

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

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

[Gut microbiome and metabolome analyses reveal the protective effect of special high-docosahexaenoic acid tuna oil on d-galactose-induced aging in mice.](#)

**Food science & nutrition** , Volume: 10 Issue: 11 2022 Nov

Authors Zhang J, Yi C, Han J, Ming T, Zhou J, Lu C, Li Y, Su X

[Co-fermented yellow wine lees by Bacillus subtilis and Enterococcus faecium regulates growth performance and gut microbiota in finishing pigs.](#)

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

Authors Zhang Y, Wang C, Su W, Jiang Z, He H, Gong T, Kai L, Xu H, Wang Y, Lu Z

[Pear pomace soluble dietary fiber ameliorates the negative effects of high-fat diet in mice by regulating the gut microbiota and associated metabolites.](#)

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

Authors Ji Y, Mao K, Gao J, Chitrakar B, Sadiq FA, Wang Z, Wu J, Xu C, Sang Y

[Curcumin alleviates LPS-induced intestinal homeostatic imbalance through reshaping gut microbiota structure and regulating group 3 innate lymphoid cells in chickens.](#)

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

Authors Ruan D, Wu S, Fouad AM, Zhu Y, Huang W, Chen Z, Gou Z, Wang Y, Han Y, Yan S, Zheng C, Jiang S

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

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

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

[Jerusalem artichoke inulin supplementation ameliorates hepatic lipid metabolism in type 2 diabetes mellitus mice by modulating the gut microbiota and fecal metabolome.](#)

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

Authors Li J, Jia S, Yuan C, Yu B, Zhang Z, Zhao M, Liu P, Li X, Cui B

[Effect of fruit intake on functional constipation: A systematic review and meta-analysis of randomized and crossover studies.](#)

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

Authors Huo J, Wu L, Lv J, Cao H, Gao Q

Identification of oncogenic signatures in the inflammatory colon of C57BL/6 mice fed a high-fat diet.

**The Journal of nutritional biochemistry** , Volume: 111 2023 Jan

Authors Zeng H,Safratowich BD,Cheng WH,Bukowski MR

Effects of iron deficiency and iron supplementation at the host-microbiota interface: Could a piglet model unravel complexities of the underlying mechanisms?

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

Authors Abbas M,Hayirli Z,Drakesmith H,Andrews SC,Lewis MC

Lactobacillus delbrueckii might lower serum triglyceride levels via colonic microbiota modulation and SCFA-mediated fat metabolism in parenteral tissues of growing-finishing pigs.

**Frontiers in veterinary science** , Volume: 9 2022

Authors Hou G,Yin J,Wei L,Li R,Peng W,Yuan Y,Huang X,Yin Y

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

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

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

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

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

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

Curcumin encapsulation in self-assembled nanoparticles based on amphiphilic palmitic acid-grafted-quaternized chitosan with enhanced cytotoxic, antimicrobial and antioxidant properties.

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

Authors Xie Y,Gong X,Jin Z,Xu W,Zhao K

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

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

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

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

Authors Ashwanandhini G,Reshma R,Preetha R

Alginate hydrogel with enhanced curcumin release through HP $\beta$ CD assisted host-guest interaction.

**Biomaterials advances** , Volume: 141 2022 Oct

Authors Mohammadi A,Sahabi M,Beigi-Boroujeni S,Abdolvand H,Makvandi P,Pournaghshband Isfahani A,Gharibi R,Ebrahimibagha M

Antibacterial and Anti-Inflammatory Activities of Thymus vulgaris Essential Oil Nanoemulsion on Acne Vulgaris.

**Microorganisms** , Volume: 10 Issue: 9 2022 Sep 19

Authors Abdelhamed FM,Abdeljawad NF,ElRakaiby MT,Shamma RN,Moneib NA

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

Synthesis, spectroscopic characterization, density functional theory study, antimicrobial and antioxidant activities of curcumin and alanine-curcumin Schiff base.

**Journal of biomolecular structure & dynamics** , Volume: 41 Issue: 16 2023 Sep-Oct

Authors Layaida H,Hellal A,Chafai N,Haddadi I,Imene K,Anis B,Mouna E,Bensouici C,Sobhi W,Attoui A,Lilia A

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

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

**Nutrients** , Volume: 14 Issue: 17 2022 Aug 27

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

Impact of Clarified Apple Juices with Different Processing Methods on Gut Microbiota and Metabolomics of Rats.**Nutrients** , Volume: 14 Issue: 17 2022 Aug 25

Authors Xu L, Yang S, Wang K, Lu A, Wang X, Xu Z

Metabologenomic Approach Reveals Intestinal Environmental Features Associated with Barley-Induced Glucose Tolerance Improvements in Japanese: A Randomized Controlled Trial.**Nutrients** , Volume: 14 Issue: 17 2022 Aug 24

Authors Goto Y, Nishimoto Y, Murakami S, Nomaguchi T, Mori Y, Ito M, Nakaguro R, Kudo T, Matsuoka T, Yamada T, Kobayashi T, Fukuda S

Milk fat globule membrane supplementation to obese rats during pregnancy and lactation promotes neurodevelopment in offspring via modulating gut microbiota.**Frontiers in nutrition** , Volume: 9 2022

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

Effects of Bacillus subtilis natto JLCC513 on gut microbiota and intestinal barrier function in obese rats.**Journal of applied microbiology** , Volume: 133 Issue: 6 2022 Dec

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

Curcumin-driven reprogramming of the gut microbiota and metabolome ameliorates motor deficits and neuroinflammation in a mouse model of Parkinson's disease.**Frontiers in cellular and infection microbiology** , Volume: 12 2022

Authors Cui C, Han Y, Li H, Yu H, Zhang B, Li G

Nano-Microemulsions of CaCO<sub>3</sub>-Encapsulated Curcumin Ester Derivatives With High Antioxidant and Antimicrobial Activities and pH Sensitivity.**Frontiers in veterinary science** , Volume: 9 2022

Authors Wang L, Wang X, Guo Z, Xia Y, Geng M, Liu D, Zhang Z, Yang 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

Regulation of a High-Iron Diet on Lipid Metabolism and Gut Microbiota in Mice.**Animals : an open access journal from MDPI** , Volume: 12 Issue: 16 2022 Aug 13

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

Effects of short-term feeding with high fiber diets on growth, utilization of dietary fiber, and microbiota in pigs.**Frontiers in microbiology** , Volume: 13 2022

Authors Pu G, Hou L, Du T, Wang B, Liu H, Li K, Niu P, Zhou W, Huang R, Li P

Modified highland barley regulates lipid metabolism, liver inflammation and gut microbiota in high-fat/cholesterol diet mice as revealed by LC-MS based metabolomics.**Food & function** , Volume: 13 Issue: 17 2022 Aug 30

Authors Li X, Du Y, Zhang C, Tu Z, Wang L

On the effect of flavonoids and dietary fibre in lingonberries on atherosclerotic plaques, lipid profiles and gut microbiota composition in Apoe(-/-) mice.**International journal of food sciences and nutrition** , Volume: 73 Issue: 8 2022 Dec

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

Bacillus coagulans in Combination with Chitooligosaccharides Regulates Gut Microbiota and Ameliorates the DSS-Induced Colitis in Mice.**Microbiology spectrum** , Volume: 10 Issue: 4 2022 Aug 31

Authors Liu Z, Jiang Z, Zhang Z, Liu T, Fan Y, Liu T, Peng N

Dietary Goji Shapes the Gut Microbiota to Prevent the Liver Injury Induced by Acute Alcohol Intake.**Frontiers in nutrition** , Volume: 9 2022

Authors Guo L, Guan Q, Duan W, Ren Y, Zhang XJ, Xu HY, Shi JS, Wang FZ, Lu R, Zhang HL, Xu ZH, Li H, Geng Y

Antimicrobial Activity of Essential Oils Evaluated In Vitro against Escherichia coli and Staphylococcus aureus.**Antibiotics (Basel, Switzerland)** , Volume: 11 Issue: 7 2022 Jul 20

Authors Galgano M, Capozza P, Pellegrini F, Cordisco M, Sposato A, Sblano S, Camero M, Lanave G, Fracchiolla G, Corrente M, Cirone F, Trotta A, Tempesta M, Buonavoglia D, Pratelli A

Antioxidant and Anti-Inflammatory Effects of Thyme (Thymus vulgaris L.) Essential Oils Prepared at Different Plant Phenophases on Pseudomonas aeruginosa LPS-Activated THP-1 Macrophages.**Antioxidants (Basel, Switzerland)** , Volume: 11 Issue: 7 2022 Jul 6

Authors Pandur E, Micalizzi G, Mondello L, Horváth A, Sipos K, Horváth G

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

[Lactobacillus plantarum Alleviates Obesity by Altering the Composition of the Gut Microbiota in High-Fat Diet-Fed Mice.](#)

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

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

[Effect of 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 Harsseelaar 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

[Identification of Nordic Berries with Beneficial Effects on Cognitive Outcomes and Gut Microbiota in High-Fat-Fed Middle-Aged C57BL/6J Mice.](#)

**Nutrients** , Volume: 14 Issue: 13 2022 Jun 30

Authors Huang F,Marungruang N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållenius FF,Heyman-Lindén L

[Functional Fiber Reduces Mice Obesity by Regulating Intestinal Microbiota.](#)

**Nutrients** , Volume: 14 Issue: 13 2022 Jun 28

Authors Zhang M,Liu J,Li C,Gao J,Xu C,Wu X,Xu T,Cui C,Wei H,Peng J,Zheng R

[Hepatoprotective effect of curcumin against bisphenol A-induced hepatic steatosis via modulating gut microbiota dysbiosis and related gut-liver axis activation in CD-1 mice.](#)

**The Journal of nutritional biochemistry** , Volume: 109 2022 Nov

Authors Hong T,Jiang X,Zou J,Yang J,Zhang H,Mai H,Ling W,Feng D

[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

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

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

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

[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

[In-Vitro Antibacterial Activity of Curcumin-Loaded Nanofibers Based on Hyaluronic Acid against Multidrug-Resistant ESKAPE Pathogens.](#)

**Pharmaceutics** , Volume: 14 Issue: 6 2022 May 31

Authors Snetkov P,Rogacheva E,Kremleva A,Morozkina S,Uspenskaya M,Kraeva L

[Bifidobacterium adolescentis Is Effective in Relieving Type 2 Diabetes and May Be Related to Its Dominant Core Genome and Gut Microbiota Modulation Capacity.](#)

**Nutrients** , Volume: 14 Issue: 12 2022 Jun 15

Authors Qian X,Si Q,Lin G,Zhu M,Lu J,Zhang H,Wang G,Chen W

[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

[Interaction between dietary fiber and bifidobacteria in promoting intestinal health.](#)

**Food chemistry** , Volume: 393 2022 Nov 1

Authors Wang H,Huang X,Tan H,Chen X,Chen C,Nie S

[In vitro Intervention of Lactobacillus paracasei N1115 Can Alter Fecal Microbiota and Their SCFAs Metabolism of Pregnant Women with Constipation and Diarrhea.](#)

**Current microbiology** , Volume: 79 Issue: 7 2022 Jun 7

Authors Dang C,Zhao K,Xun Y,Feng L,Zhang D,Cui L,Cui Y,Jia X,Wang S

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

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

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

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

Beneficial Effects of a Low-Glycemic Diet on Serum Metabolites and Gut Microbiota in Obese Women With Prevotella and Bacteroides Enterotypes: A Randomized Clinical Trial.

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

Authors Hur HJ,Wu X,Yang HJ,Kim MJ,Lee KH,Hong M,Park S,Kim MS

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

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

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

Novel strategies of essential oils, chitosan, and nano- chitosan for inhibition of multi-drug resistant: E. coli O157:H7 and Listeria monocytogenes.

**Saudi journal of biological sciences** , Volume: 29 Issue: 4 2022 Apr

Authors El-Zehery HRA,Zaghloul RA,Abdel-Rahman HM,Salem AA,El-Dougdoug KA

Pomegranate juice alters the microbiota in breast milk and infant stool: a pilot study.

**Food & function** , Volume: 13 Issue: 10 2022 May 23

Authors Henning SM,Yang J,Lee RP,Huang J,Thames G,Korn M,Ben-Nissan D,Heber D,Li Z

Pomegranate peel polyphenols interaction with intestinal flora and its metabolic transformation.

**Xenobiotica; the fate of foreign compounds in biological systems** , Volume: 52 Issue: 5 2022 May

Authors Shi H,Yang J,Li J

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

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

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

Bacillus amyloliquefaciens SC06 alleviates the obesity of ob/ob mice and improves their intestinal microbiota and bile acid metabolism.

**Food & function** , Volume: 13 Issue: 9 2022 May 10

Authors Zeng Z,Zhou Y,Xu Y,Wang S,Wang B,Zeng Z,Wang Q,Ye X,Jin L,Yue M,Tang L,Zou P,Zhao P,Li W

Effect of Enterococcus faecium NCIMB 10415 on Gut Barrier Function, Internal Redox State, Proinflammatory Response and Pathogen Inhibition Properties in Porcine Intestinal Epithelial Cells.

**Nutrients** , Volume: 14 Issue: 7 2022 Apr 2

Authors Palkovicsné Pézsa N,Kovács D,Gálfi P,Rácz B,Farkas O

Metabonomics combined with 16S rRNA sequencing to elucidate the hypoglycemic effect of dietary fiber from tea residues.

**Food research international (Ottawa, Ont.)** , Volume: 155 2022 May

Authors Huang H,Chen J,Chen Y,Xie J,Xue P,Ao T,Chang X,Hu X,Yu Q

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

A novel Lactobacillus bulgaricus isolate can maintain the intestinal health, improve the growth performance and reduce the colonization of E. coli O157:H7 in broilers.

**British poultry science** , Volume: 63 Issue: 5 2022 Oct

Authors Xiang L,Ying Z,Xue M,Xiaoxian P,Xiaorong L,Chunyang L,Yu W,Mingcheng L,Binxian L

Lactobacillus paracasei 24 Attenuates Lipid Accumulation in High-Fat Diet-Induced Obese Mice by Regulating the Gut Microbiota.

**Journal of agricultural and food chemistry** , Volume: 70 Issue: 15 2022 Apr 20

Authors Liu Z,Zhou X,Wang W,Gu L,Hu C,Sun H,Xu C,Hou J,Jiang Z

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

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

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

Green Banana Flour Contributes to Gut Microbiota Recovery and Improves Colonic Barrier Integrity in Mice Following Antibiotic Perturbation.

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

Authors Li P,Li M,Song Y,Huang X,Wu T,Xu ZZ,Lu H

In vitro evaluation of probiotic properties of lactic acid bacteria isolated from the vagina of yak (*Bos grunniens*).

**PeerJ** , Volume: 10 2022

Authors Zhang Q,Pan Y,Wang M,Sun L,Xi Y,Li M,Zeng Q

Long-term maternal intake of inulin exacerbated the intestinal damage and inflammation of offspring rats in a DSS-induced colitis model.

**Food & function** , Volume: 13 Issue: 7 2022 Apr 4

Authors He Y,Peng X,Liu Y,Wu Q,Zhou Q,Huang Y,Liu S,Hu L,Fang Z,Lin Y,Xu S,Feng B,Li J,Jiang X,Zhuo Y,Wu D,Che L

Therapeutic Effects of *Bifidobacterium breve* YH68 in Combination with Vancomycin and Metronidazole in a Primary *Clostridioides difficile*-Infected Mouse Model.

**Microbiology spectrum** , Volume: 10 Issue: 2 2022 Apr 27

Authors Yang J,Meng L,Yang H

*Lactobacillus plantarum* HFY05 Attenuates Carrageenan-Induced Thrombosis in Mice by Regulating NF- $\kappa$ B Pathway-Associated Inflammatory Responses.

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

Authors Zeng S,Yi R,Tan F,Sun P,Cheng Q,Zhao X

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

Low Dose of Sucralose Alter Gut Microbiome in Mice.

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

Authors Zheng Z,Xiao Y,Ma L,Lyu W,Peng H,Wang X,Ren Y,Li J

Effect of Dietary *Bacillus licheniformis* Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.

**Frontiers in veterinary science** , Volume: 9 2022

Authors Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z

An Integrative Multiomics Approach to Characterize Prebiotic Inulin Effects on *Faecalibacterium prausnitzii*.

**Frontiers in bioengineering and biotechnology** , Volume: 10 2022

Authors Park JH,Song WS,Lee J,Jo SH,Lee JS,Jeon HJ,Kwon JE,Kim YR,Baek JH,Kim MG,Yang YH,Kim BG,Kim YG

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

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

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

Metformin Alleviates Autistic-Like Behaviors Elicited by High-Fat Diet Consumption and Modulates the Crosstalk Between Serotonin and Gut Microbiota in Mice.

**Behavioural neurology** , Volume: 2022 2022

Authors Deng W,Ke H,Wang S,Li Z,Li S,Lv P,Li F,Chen Y

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

Ten-Week Sucralose Consumption Induces Gut Dysbiosis and Altered Glucose and Insulin Levels in Healthy Young Adults.

**Microorganisms** , Volume: 10 Issue: 2 2022 Feb 14

Authors Méndez-García LA,Bueno-Hernández N,Cid-Soto MA,De León KL,Mendoza-Martínez VM,Espinosa-Flores AJ,Carrero-Aguirre M,Esquivel-Velázquez M,León-Hernández M,Viurcos-Sanabria R,Ruíz-Barranco A,Cota-Arce JM,Álvarez-Lee A,De León-Nava MA,Meléndez G,Escobedo 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

Curcumin Alleviates Dextran Sulfate Sodium-Induced Colitis in Mice Through Regulating Gut Microbiota.

**Molecular nutrition & food research** , Volume: 66 Issue: 8 2022 Apr

Authors Guo X,Xu Y,Geng R,Qiu J,He X

Gallic Acid Alleviates Gut Dysfunction and Boosts Immune and Antioxidant Activities in Puppies Under Environmental Stress Based on Microbiome-Metabolomics Analysis.

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

Authors Yang K,Deng X,Jian S,Zhang M,Wen C,Xin Z,Zhang L,Tong A,Ye S,Liao P,Xiao Z,He S,Zhang F,Deng J,Zhang L,Deng B

*Bifidobacterium animalis* subsp. *lactis* BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.

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

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

[Effects of Bacillus amyloliquefaciens TL106 Isolated from Tibetan Pigs on Probiotic Potential and Intestinal Microbes in Weaned Piglets.](#)

**Microbiology spectrum , Volume: 10 Issue: 1 2022 Jan 26**

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

[Bifidobacterium bifidum Shows More Diversified Ways of Relieving Non-Alcoholic Fatty Liver Compared with Bifidobacterium adolescentis.](#)

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

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

[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

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

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

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

[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

[Dietary supplementation with low-dose xylooligosaccharide promotes the anti-Salmonella activity of probiotic Lactiplantibacillus plantarum ZS2058 in a murine model.](#)

**Food research international (Ottawa, Ont.) , Volume: 151 2022 Jan**

Authors Liu J,Li X,Song F,Cui S,Lu W,Zhao J,Zhang H,Gu Z,Chen W

[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

[Curcumin  \$\beta\$ -D-Glucuronide Modulates an Autoimmune Model of Multiple Sclerosis with Altered Gut Microbiota in the Ileum and Feces.](#)

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

Authors Khadka S,Omura S,Sato F,Nishio K,Takeya H,Tsunoda I

[Investigation of the effects of pomegranate juice addition on physicochemical, microbiological, and functional properties of set and stirred yogurts.](#)

**Food science & nutrition , Volume: 9 Issue: 12 2021 Dec**

Authors Golmakani MT,Eskandari MH,Kooshesh S,Pishan M

[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 JJ,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

Antiadhesive, antibiofilm and dispersion activity of biosurfactants isolated from *Bacillus amyloliquefaciens* 3/22

**Ceska a Slovenska farmacie : casopis Ceske farmaceuticke spolecnosti a Slovenske farmaceuticke spolecnosti** , Volume: 70 Issue: 5 2021 Fall

Authors Englerová K,Nemcová R,Bedlovicová Z,Styková E

Correction to "ZnO/Curcumin Nanocomposites for the Enhanced Inhibition of *Pseudomonas aeruginosa* Virulence via LasR-RhlR Quorum Sensing Systems".

**Molecular pharmaceutics** , 2021 Dec 7

Authors Prateeksha,Rao CV,Das AK,Barik SK,Singh BN

The relationship between human milk, a functional nutrient, and microbiota.

**Critical reviews in food science and nutrition** , 2021 Dec 6

Authors Sakarya E,Sanlier NT,Sanlier N

Fructooligosaccharides Increase in Plasma Concentration of (-)-Epigallocatechin-3-Gallate in Rats.

**Journal of agricultural and food chemistry** , Volume: 69 Issue: 49 2021 Dec 15

Authors Unno T,Araki Y,Inagaki S,Kobayashi M,Ichitani M,Takahara T,Kinugasa H

*Bacillus subtilis* Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with *Schistosoma japonicum*.

**Frontiers in cell and developmental biology** , Volume: 9 2021

Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.

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

Authors Ding S,Jiang H,Fang J,Liu G

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 EMI,Leggjo L

*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

Inulin-grown *Faecalibacterium prausnitzii* cross-feeds fructose to the human intestinal epithelium.

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

Authors Fagundes RR,Bourgonje AR,Saeed A,Vich Vila A,Plomp N,Blokzijl T,Sadaghian Sadabad M,von Martels JZH,van Leeuwen SS,Weersma RK,Dijkstra G,Harmsen HJM,Faber KN

Evaluation of the therapeutic effect and dose-effect of *Bifidobacterium breve* on the primary *Clostridioides difficile* infected mice.

**Applied microbiology and biotechnology** , Volume: 105 Issue: 24 2021 Dec

Authors Yang J,Yang H

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

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

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

Chitooligosaccharides: Digestion characterization and effect of the degree of polymerization on gut microorganisms to manage the metabolome functional diversity in vitro.

**Carbohydrate polymers** , Volume: 275 2022 Jan 1

Authors Ji X,Zhu L,Chang K,Zhang R,Chen Y,Yin H,Jin J,Zhao L

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

Combined effect of carvacrol, thymol and nisin against Staphylococcus aureus and Salmonella Enteritidis.

**Anais da Academia Brasileira de Ciencias** , Volume: 93 Issue: suppl 4 2021

Authors Heckler C,Sant`anna V,Brandelli A,Malheiros PS

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

Bifidobacterium catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection.

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

Authors Heiss BE,Ehrlich AM,Maldonado-Gomez MX,Taft DH,Larke JA,Goodson ML,Slupsky CM,Tancredi DJ,Raybould HE,Mills DA

Alleviation Effects of Bifidobacterium animalis subsp. lactis XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.

**Microorganisms** , Volume: 9 Issue: 10 2021 Oct 3

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

Supplementation with Lactiplantibacillus plantarum IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.

**International journal of molecular sciences** , Volume: 22 Issue: 20 2021 Oct 16

Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C

Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces Enterobacteriaceae Family Abundance and Elevates Propionate in a Bioreactor Model.

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

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

Influence of Diet on the Effect of the Probiotic Lactobacillus paracasei in Rats Suffering From Allergic Asthma.

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

Authors Xie A,Song J,Lu S,Liu Y,Tang L,Wen S

Gut microbiota mediates the effects of inulin on enhancing sulfomucin production and mucosal barrier function in a pig model.

**Food & function** , Volume: 12 Issue: 21 2021 Nov 1

Authors Xia B,Wu W,Zhang L,Wen X,Xie J,Zhang H

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

**Microbiology spectrum** , 2021 Oct 6

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

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

Gut microbiota link dietary fiber intake and short-chain fatty acid metabolism with eating behavior.

**Translational psychiatry** , Volume: 11 Issue: 1 2021 Oct 1

Authors Medawar E,Haange SB,Rolle-Kampczyk U,Engelmann B,Dietrich A,Thieleking R,Wiegank C,Fries C,Horstmann A,Villringer A,von Bergen M,Fenske W,Veronica Witte A

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

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

Authors Cuisiniere T,Calvé A,Fragoso G,Oliero M,Hajjar R,Gonzalez E,Santos MM

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

In Vitro Evaluation of Dietary Fiber Anti-Infectious Properties against Food-Borne Enterotoxigenic Escherichia coli.

**Nutrients** , Volume: 13 Issue: 9 2021 Sep 14

Authors Sauvatre T,Durif C,Sivignon A,Chalancon S,Van de Wiele T,Etienne-Mesmin L,Blanquet-Diot S

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

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

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

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

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

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

[The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.](#)

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

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

[Effects of Total Dietary Fiber on Cecal Microbial Community and Intestinal Morphology of Growing White Pekin Duck.](#)

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

Authors Hao Y, Ji Z, Shen Z, Wu Y, Zhang B, Tang J, Hou S, Xie M

[Selenium-Enriched \*Lactobacillus acidophilus\* Ameliorates Dextran Sulfate Sodium-Induced Chronic Colitis in Mice by Regulating Inflammatory Cytokines and Intestinal Microbiota.](#)

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

Authors Wu Z, Pan D, Jiang M, Sang L, Chang B

[Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.](#)

**Journal of the science of food and agriculture** , Volume: 102 Issue: 5 2022 Mar 30

Authors Song H, Shen X, Chu Q, Zheng X

[Lactocaseibacillus paracasei NK112 mitigates \*Escherichia coli\*-induced depression and cognitive impairment in mice by regulating IL-6 expression and gut microbiota.](#)

**Beneficial microbes** , 2021 Sep 13

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

[Curcumin Reduces Adipose Tissue Inflammation and Alters Gut Microbiota in Diet-Induced Obese Male Mice.](#)

**Molecular nutrition & food research** , Volume: 65 Issue: 22 2021 Nov

Authors Islam T, Koboziev I, Albracht-Schulte K, Mistretta B, Scoggin S, Yosofvand M, Moussa H, Zabet-Moghaddam M, Ramalingam L, Gunaratne PH, Moustaid-Moussa N

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

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

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

[Effects of Dietary Supplementation of \*Lactobacillus delbrueckii\* on Gut Microbiome and Intestinal Morphology in Weaned Piglets.](#)

**Frontiers in veterinary science** , Volume: 8 2021

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

[Systematic Review of the Effects of Oat Intake on Gastrointestinal Health.](#)

**The Journal of nutrition** , 2021 Sep 6

Authors Valido E, Stoyanov J, Bertolo A, Hertig-Godeschalk A, Zeh RM, Flueck JL, Minder B, Stojic S, Metzger B, Bussler W, Muka T, Kern H, Glisic M

[Quercetin modulates the gut microbiota as well as the metabolome in a rat model of osteoarthritis.](#)

**Bioengineered** , Volume: 12 Issue: 1 2021 Dec

Authors Lan H, Hong W, Qian D, Peng F, Li H, Liang C, Du M, Gu J, Mai J, Bai B, Peng G

[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

[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

[The effects of fermented rye products on gut microbiota and their association with metabolic factors in Chinese adults - an explorative study.](#)

**Food & function , Volume: 12 Issue: 19 2021 Oct 4**

Authors Liu Y,Xue K,Iversen KN,Qu Z,Dong C,Jin T,Hallmans G,Åman P,Johansson A,He G,Landberg R

[Broccoli Florets Supplementation Improves Insulin Sensitivity and Alters Gut Microbiome Population-A Steatosis Mice Model Induced by High-Fat Diet.](#)

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

Authors Zandani G,Anavi-Cohen S,Tsybina-Shimshilashvili N,Sela N,Nyska A,Madar Z

[Effects of Short-Term Dietary Fiber Intervention on Gut Microbiota in Young Healthy People.](#)

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

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

[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

[Kaempferol Alleviates Murine Experimental Colitis by Restoring Gut Microbiota and Inhibiting the LPS-TLR4-NF- \$\kappa\$ B Axis.](#)

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

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

[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

[Effect of High-Fat Diet on the Intestinal Flora in Letrozole-Induced Polycystic Ovary Syndrome Rats.](#)

**Evidence-based complementary and alternative medicine : eCAM , Volume: 2021 2021**

Authors Zheng YH,Xu Y,Ma HX,Liang CJ,Yang T

[Dietary Supplementation with Inulin Modulates the Gut Microbiota and Improves Insulin Sensitivity in Prediabetes.](#)

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

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

[Cranberry \(Vaccinium macrocarpon\) dietary supplementation and fecal microbiota of Wistar rats.](#)

**AIMS microbiology , Volume: 7 Issue: 2 2021**

Authors Chettaoui R,Mayot G,De Almeida L,Di Martino P

[Promiscuous Pseudomonas: Uptake of Non-Endogenous Ligands for Iron Acquisition.](#)

**Tetrahedron letters , Volume: 75 2021 Jul 6**

Authors Kaplan AR,Wuest WM

[Punicic acid ameliorates obesity and liver steatosis by regulating gut microbiota composition in mice.](#)

**Food & function , 2021 Jul 9**

Authors Yuan G,Tan M,Chen X

[Intestinal Microbiota Mediates High-Fructose and High-Fat Diets to Induce Chronic Intestinal Inflammation.](#)

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

Authors Tan R,Dong H,Chen Z,Jin M,Yin J,Li H,Shi D,Shao Y,Wang H,Chen T,Yang D,Li J

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

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

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

[Effects of Fermented Milk Containing Lactocaseibacillus paracasei Strain Shirota on Constipation in Patients with Depression: A Randomized, Double-Blind, Placebo-Controlled Trial.](#)

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

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

[Evaluation of the Cholesterol-Lowering Mechanism of Enterococcus faecium Strain 132 and Lactobacillus paracasei Strain 201 in Hypercholesterolemia Rats.](#)

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

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

[Microbiota and Metabolite Modifications after Dietary Exclusion of Dairy Products and Reduced Consumption of Fermented Food in Young and Older Men.](#)

**Nutrients , Volume: 13 Issue: 6 2021 Jun 1**

Authors Kim J,Burton-Pimentel KJ,Fleuti C,Blaser C,Scherz V,Badertscher R,Marmonier C,Lyon-Belgy N,Caille A,Pidou V,Blot A,Bertelli C,David J,Bütikofer U,Greub G,Dardevet D,Polakof S,Vergères G

[n-6 High Fat Diet Induces Gut Microbiome Dysbiosis and Colonic Inflammation.](#)**International journal of molecular sciences** , Volume: 22 Issue: 13 2021 Jun 28

Authors Selmin OI,Papoutsis AJ,Hazan S,Smith C,Greenfield N,Donovan MG,Wren SN,Doetschman TC,Snider JM,Snider AJ,Chow SH,Romagnolo DF

[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

[Effects of Lactobacillus rhamnosus and Enterococcus faecalis Supplementation as Direct-Fed Microbials on Rumen Microbiota of Boer and Speckled Goat Breeds.](#)**Veterinary sciences** , Volume: 8 Issue: 6 2021 Jun 7

Authors Maake TW,Aiyegoro OA,Adeleke MA

[Imbalanced dietary intake alters the colonic microbial profile in growing rats.](#)**PloS one** , Volume: 16 Issue: 6 2021

Authors Jung TH,Han KS

[Curcumin modulates gut microbiota and improves renal function in rats with uric acid nephropathy.](#)**Renal failure** , Volume: 43 Issue: 1 2021 Dec

Authors Xu X,Wang H,Guo D,Man X,Liu J,Li J,Luo C,Zhang M,Zhen L,Liu X

[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

[Lactic acid production ability of Lactobacillus sp. from four tropical fruits using their by-products as carbon source.](#)**Heliyon** , Volume: 7 Issue: 5 2021 May

Authors Ngouenam JR,Momo Kenfack CH,Foko Kouam EM,Kaktcham PM,Maharjan R,Ngoufack FZ

[Gut Microbial SNPs Induced by High-Fiber Diet Dominate Nutrition Metabolism and Environmental Adaptation of Faecalibacterium prausnitzii in Obese Children.](#)**Frontiers in microbiology** , Volume: 12 2021

Authors Li H,Zhao L,Zhang M

[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

[Spore-forming Bacillus coagulans SNZ 1969 improved intestinal motility and constipation perception mediated by microbial alterations in healthy adults with mild intermittent constipation: A randomized controlled trial.](#)**Food research international (Ottawa, Ont.)** , Volume: 146 2021 Aug

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

[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

[Allobaculum Involves in the Modulation of Intestinal ANGPTL4 Expression in Mice Treated by High-Fat Diet.](#)**Frontiers in nutrition** , Volume: 8 2021

Authors Zheng Z,Lyu W,Ren Y,Li X,Zhao S,Yang H,Xiao Y

[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,Ojo O,Du X,Liu Y,Wang X

[Modulatory Effects of \*Bacillus subtilis\* on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying Hens.](#)

**Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 24**

Authors Zhang G,Wang H,Zhang J,Tang X,Raheem A,Wang M,Lin W,Liang L,Qi Y,Zhu Y,Jia Y,Cui S,Qin T

[Effect of BioPlus YC Probiotic Supplementation on Gut Microbiota, Production Performance, Carcass and Meat Quality of Pigs.](#)

**Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 28**

Authors Rybarczyk A,Boguslawska-Was E,Dlubala A

[Effect of \*Lacticaseibacillus 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

[The TOTUM-63 Supplement and High-Intensity Interval Training Combination Limits Weight Gain, Improves Glycemic Control, and Influences the Composition of Gut Mucosa-Associated Bacteria in Rats on a High Fat Diet.](#)

**Nutrients , Volume: 13 Issue: 5 2021 May 7**

Authors Dupuit M,Chavanelle V,Chassaing B,Perriere F,Etienne M,Plissonneau C,Boscaro A,Barnich N,Pialoux V,Maugard T,Le Joubioux F,Peltier S,Sirvent P,Otero YF,Boisseau N

[Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.](#)

**Nutrients , Volume: 13 Issue: 5 2021 May 20**

Authors Milton-Laskibar I,Marcos-Zambrano LJ,Gómez-Zorita S,Fernández-Quintela A,Carrillo de Santa Pau E,Martínez JA,Portillo MP

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

**Nutrients , Volume: 13 Issue: 6 2021 May 21**

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

[Artificial Sweeteners Negatively Regulate Pathogenic Characteristics of Two Model Gut Bacteria, \*E. coli\* and \*E. faecalis\*.](#)

**International journal of molecular sciences , Volume: 22 Issue: 10 2021 May 15**

Authors Shil A,Chichger H

[Preparation and photodynamic bactericidal effects of curcumin- \$\beta\$ -cyclodextrin complex.](#)

**Food chemistry , Volume: 361 2021 Nov 1**

Authors Lai D,Zhou A,Tan BK,Tang Y,Sarah Hamzah S,Zhang Z,Lin S,Hu J

[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

[Different \*Bifidobacterium bifidum\* strains change the intestinal flora composition of mice via different mechanisms to alleviate loperamide-induced constipation.](#)

**Food & function , 2021 May 26**

Authors Chai M,Wang L,Li X,Zhao J,Zhang H,Wang G,Chen W

[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

[Curcumin alleviates high-fat diet-induced hepatic steatosis and obesity in association with modulation of gut microbiota in mice.](#)

**Food research international (Ottawa, Ont.) , Volume: 143 2021 May**

Authors Li S,You J,Wang Z,Liu Y,Wang B,Du M,Zou T

[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

[Porphyran-derived oligosaccharides alleviate NAFLD and related cecal microbiota dysbiosis in mice.](#)

**FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 35 Issue: 6 2021 Jun**

*Authors Wang X,Liu D,Wang Z,Cai C,Jiang H,Yu G*

Dietary broccoli improves markers associated with glucose and lipid metabolism through modulation of gut microbiota in mice.

**Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 90 2021 Oct**

*Authors Zandani G,Kaftori-Sandler N,Sela N,Nyska A,Madar Z*

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*

Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice.

**Nutrients , Volume: 13 Issue: 5 2021 Apr 24**

*Authors Neyrinck AM,Sánchez CR,Rodríguez J,Cani PD,Bindels LB,Delzenne NM*

Sub-Inhibitory Concentrations of Ciprofloxacin Alone and Combinations with Plant-Derived Compounds against P. aeruginosa Biofilms and Their Effects on the Metabolomic Profile of P. aeruginosa Biofilms.

**Antibiotics (Basel, Switzerland) , Volume: 10 Issue: 4 2021 Apr 9**

*Authors Kart D,Reçber T,Nemutlu E,Sağiroglu M*

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*

Anti-MRSA activity of curcumin in planktonic cells and biofilms and determination of possible action mechanisms.

**Microbial pathogenesis , Volume: 155 2021 Jun**

*Authors Batista de Andrade Neto J,Pessoa de Farias Cabral V,Brito Nogueira LF,Rocha da Silva C,Gurgel do Amaral Valente Sá L,Ramos da Silva A,Barbosa da Silva WM,Silva J,Marinho ES,Cavalcanti BC,Odorico de Moraes M,Nobre Júnior HV*

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*

Influence of Proton Pump Inhibitors and Histamine Receptor 2 Antagonists on Blastocystis ST3 and Selected Microorganisms of Intestinal Microbiota In Vitro.

**Clinical and translational gastroenterology , Volume: 12 Issue: 4 2021 Apr 9**

*Authors Lepczynska M,Dzika E,Chen W,Lu CY*

Inhibition of Fungal Strains Isolated from Cereal Grains via Vapor Phase of Essential Oils.

**Molecules (Basel, Switzerland) , Volume: 26 Issue: 5 2021 Mar 1**

*Authors Strelková T,Nemes B,Kovács A,Novotný D,Božik M,Klouček P*

Cloudy Apple Juice Fermented by Lactobacillus Prevents Obesity via Modulating Gut Microbiota and Protecting Intestinal Tract Health.

**Nutrients , Volume: 13 Issue: 3 2021 Mar 17**

*Authors Han M,Zhang M,Wang X,Bai X,Yue T,Gao Z*

A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial.

**Nutrients , Volume: 13 Issue: 4 2021 Mar 27**

*Authors Barnett MPG,Young W,Armstrong K,Brewster D,Cooney JM,Ellett S,Espley RV,Laing W,Maclean P,McGhie T,Pringle G,Roy NC,Ferguson LR*

Bifidobacterium adolescentis Isolated from Different Hosts Modifies the Intestinal Microbiota and Displays Differential Metabolic and Immunomodulatory Properties in Mice Fed a High-Fat Diet.

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

*Authors Wang B,Kong Q,Cui S,Li X,Gu Z,Zhao J,Zhang H,Chen W,Wang G*

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*

Sulfoquinovose is a select nutrient of prominent bacteria and a source of hydrogen sulfide in the human gut.

**The ISME journal , 2021 Mar 31**

Authors Hanson BT, Dimitri Kits K, Löffler J, Burrichter AG, Fiedler A, Denger K, Frommeyer B, Herbold CW, Rattei T, Karcher N, Segata N, Schleheck D, Loy A

Gut Microbiota and Its Metabolite Deoxycholic Acid Contribute to Sucralose Consumption-Induced Nonalcoholic Fatty Liver Disease.

**Journal of agricultural and food chemistry** , Volume: 69 Issue: 13 2021 Apr 7

Authors Shi Z, Chen G, Cao Z, Wu F, Lei H, Chen C, Song Y, Liu C, Li J, Zhou J, Lu Y, Zhang L

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

High-Fiber, Whole-Food Dietary Intervention Alters the Human Gut Microbiome but Not Fecal Short-Chain Fatty Acids.

**mSystems** , Volume: 6 Issue: 2 2021 Mar 16

Authors Oliver A, Chase AB, Weihe C, Orchanian SB, Riedel SF, Hendrickson CL, Lay M, Sewall JM, Martiny JBH, Whiteson K

Beverages containing Lactobacillus paracasei LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites.

**Journal of dairy science** , 2021 Mar 10

Authors Sun E, Zhang X, Zhao Y, Li J, Sun J, Mu Z, Wang R

Effect of Blueberry Anthocyanin-Rich Extracts on Peripheral and Hippocampal Antioxidant Defensiveness: The Analysis of the Serum Fatty Acid Species and Gut Microbiota Profile.

**Journal of agricultural and food chemistry** , Volume: 69 Issue: 12 2021 Mar 31

Authors Si X, Bi J, Chen Q, Cui H, Bao Y, Tian J, Shu C, Wang Y, Tan H, Zhang W, Chen Y, Li B

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

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

Gut Microbiota Bacterial Species Associated with Mediterranean Diet-Related Food Groups in a Northern Spanish Population.

**Nutrients** , Volume: 13 Issue: 2 2021 Feb 16

Authors Rosés C, Cuevas-Sierra A, Quintana S, Riezu-Boj JI, Martínez JA, Milagro FI, Barceló A

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

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

Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice.

**mSystems** , Volume: 6 Issue: 1 2021 Feb 23

Authors Shi Z, Lei H, Chen G, Yuan P, Cao Z, Ser HL, Zhu X, Wu F, Liu C, Dong M, Song Y, Guo Y, Chen C, Hu K, Zhu Y, Zeng XA, Zhou J, Lu Y, Patterson AD, Zhang L

Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.

**Frontiers in bioengineering and biotechnology** , Volume: 9 2021

Authors Fu J, Wang Y, Tan S, Wang J

The Therapeutic Efficacy of Curcumin vs. Metformin in Modulating the Gut Microbiota in NAFLD Rats: A Comparative Study.

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

Authors Li R, Yao Y, Gao P, Bu S

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*

Uridine attenuates obesity, ameliorates hepatic lipid accumulation and modifies the gut microbiota composition in mice fed with a high-fat diet.

**Food & function** , Volume: 12 Issue: 4 2021 Mar 1

*Authors Liu Y,Xie C,Zhai Z,Deng ZY,De Jonge HR,Wu X,Ruan Z*

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*

*Bifidobacterium pseudocatenulatum* Ameliorates DSS-Induced Colitis by Maintaining Intestinal Mechanical Barrier, Blocking Proinflammatory Cytokines, Inhibiting TLR4/NF- $\kappa$ B Signaling, and Altering Gut Microbiota.

**Journal of agricultural and food chemistry** , Volume: 69 Issue: 5 2021 Feb 10

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

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*

Kale Attenuates Inflammation and Modulates Gut Microbial Composition and Function in C57BL/6J Mice with Diet-Induced Obesity.

**Microorganisms** , Volume: 9 Issue: 2 2021 Jan 24

*Authors Shahinozzaman M,Raychaudhuri S,Fan S,Obanda DN*

Pretreatment with chitosan oligosaccharides attenuate experimental severe acute pancreatitis via inhibiting oxidative stress and modulating intestinal homeostasis.

**Acta pharmacologica Sinica** , 2021 Jan 25

*Authors Mei QX,Hu JH,Huang ZH,Fan JJ,Huang CL,Lu YY,Wang XP,Zeng Y*

Effect of dietary inclusion of dried apple pomace on faecal butyrate concentration and modulation of gut microbiota in dogs.

**Archives of animal nutrition** , Volume: 75 Issue: 1 2021 Feb

*Authors de Brito CBM,Menezes Souza CM,Bastos TS,Mesa D,Oliveira SG,Félix AP*

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*

Pharmacological Therapy Determines the Gut Microbiota Modulation by a Pomegranate Extract Nutraceutical in Metabolic Syndrome: A Randomized Clinical Trial.

**Molecular nutrition & food research** , Volume: 65 Issue: 6 2021 Mar

*Authors Cortés-Martín A,Iglesias-Aguirre CE,Meoro A,Selma MV,Espín JC*

California strawberry consumption increased the abundance of gut microorganisms related to lean body weight, health and longevity in healthy subjects.

**Nutrition research (New York, N.Y.)** , Volume: 85 2021 Jan

*Authors Ezzat-Zadeh Z,Henning SM,Yang J,Woo SL,Lee RP,Huang J,Thames G,Gilbuena I,Tseng CH,Heber D,Li Z*

Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (*Gallus gallus*): A Systematic Review.

**Nutrients** , Volume: 13 Issue: 1 2021 Jan 9

*Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E*

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

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

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

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

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

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

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

Combinatorial liposomes of berberine and curcumin inhibit biofilm formation and intracellular methicillin resistant Staphylococcus aureus infections and associated inflammation.

**Journal of materials chemistry. B** , Volume: 9 Issue: 3 2021 Jan 28

Authors Bhatia E,Sharma S,Jadhav K,Banerjee R

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 $\alpha$ -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

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

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

Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Angenius H,Maukonen J

Pomegranate peel extract ameliorates the severity of experimental autoimmune encephalomyelitis via modulation of gut microbiota.

**Gut microbes** , Volume: 12 Issue: 1 2020 Nov 9

Authors Lu XY,Han B,Deng X,Deng SY,Zhang YY,Shen PX,Hui T,Chen RH,Li X,Zhang Y

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

Dietary Fiber Intake Alters Gut Microbiota Composition but Does Not Improve Gut Wall Barrier Function in Women with Future Hypertensive Disorders of Pregnancy.

**Nutrients** , Volume: 12 Issue: 12 2020 Dec 17

Authors Tomsett KI,Barrett HL,Dekker EE,Callaway LK,McIntyre DH,Dekker Nitert M

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 MIDC,Mantovani HC,Corich V,Giacomini A,de Paula SO

Effect of Bifidobacterium animalis subsp. lactis MN-Gup on constipation and the composition of gut microbiota.

**Beneficial microbes** , 2020 Dec 14

Authors Wang R,Sun J,Li G,Zhang M,Niu T,Kang X,Zhao H,Chen J,Sun E,Li Y

Cow, Goat, and Mare Milk Diets Differentially Modulated the Immune System and Gut Microbiota of Mice Colonized by Healthy Infant Feces.

**Journal of agricultural and food chemistry** , Volume: 68 Issue: 51 2020 Dec 23

Authors Li N,Xie Q,Chen Q,Evivie SE,Liu D,Dong J,Huo G,Li B

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

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

Sulfated polysaccharides from Undaria pinnatifida improved high fat diet-induced metabolic syndrome, gut microbiota dysbiosis and inflammation in BALB/c mice.

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

Authors Jiang P,Zheng W,Sun X,Jiang G,Wu S,Xu Y,Song S,Ai C

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

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

Authors Cheng L,Kiewiet MBG,Logtenberg MJ,Groeneveld A,Nauta A,Schols HA,Walvoort MTC,Harmsen HJM,de Vos P

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,Holzappel WH

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,Iftekhhar N,Park SK,Eberhardt JM,Ding X,Choudhry MA

Differential Responses to Dietary Protein and Carbohydrate Ratio on Gut Microbiome in Obese vs. Lean Cats.

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

Authors Li Q,Pan Y

Alginate- and Gelatin-Coated Apple Pieces as Carriers for Bifidobacterium animalis subsp. lactis DSM 10140.

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

Authors Campaniello D,Bevilacqua A,Speranza B,Sinigaglia M,Corbo MR

Curcumin inhibits lipopolysaccharide and lipoteichoic acid-induced expression of proinflammatory cytokines and production of PGE(2) in the primary bubaline endometrial stromal cells.

**Molecular biology reports** , Volume: 47 Issue: 12 2020 Dec

Authors Ali A,Dar RR,Ahmad SF,Singh SK,Patra MK,Panigrahi M,Kumar H,Krishnaswamy N

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,Hong YB,Cheng YH

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

Randomized trial assessing impact of probiotic supplementation on gut microbiome and clinical outcome from targeted therapy in metastatic renal cell carcinoma.

**Cancer medicine** , Volume: 10 Issue: 1 2021 Jan

Authors Dizman N,Hsu J,Bergerot PG,Gillece JD,Folkerts M,Reining L,Trent J,Highlander SK,Pal SK

Bifidobacterium longum subsp. infantis CECT7210 (B. infantis IM-1<sup>®</sup>) Displays In Vitro Activity against Some Intestinal Pathogens.

**Nutrients** , Volume: 12 Issue: 11 2020 Oct 24

Authors Ruiz L,Flórez AB,Sánchez B,Moreno-Muñoz JA,Rodríguez-Palmero M,Jiménez J,Gavilán CGLR,Gueimonde M,Ruas-

*Madiedo P, Margolles A*

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

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

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

A High-Fat Diet Increases Gut Microbiota Biodiversity and Energy Expenditure Due to Nutrient Difference.

**Nutrients** , Volume: 12 Issue: 10 2020 Oct 20

Authors Wang B, Kong Q, Li X, Zhao J, Zhang H, Chen W, Wang G

Lactobacillus delbrueckii subsp. bulgaricus KLDS 1.0207 Exerts Antimicrobial and Cytotoxic Effects in vitro and Improves Blood Biochemical Parameters in vivo Against Notable Foodborne Pathogens.

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

Authors Evvie SE, Abdelazez A, Li B, Lu S, Liu F, Huo G

Distinct Effects of Milks From Various Animal Types on Infant Fecal Microbiota Through in vitro Fermentations.

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

Authors Li N, Li B, Guan J, Shi J, Evvie SE, Zhao L, Huo G, Wang S

Bacillus subtilis and Enterococcus faecium co-fermented feed regulates lactating sow's performance, immune status and gut microbiota.

**Microbial biotechnology** , Volume: 14 Issue: 2 2021 Mar

Authors Wang C, Wei S, Xu B, Hao L, Su W, Jin M, Wang Y

Effect of Combined Live Probiotics Alleviating the Gastrointestinal Symptoms of Functional Bowel Disorders.

**Gastroenterology research and practice** , Volume: 2020 2020

Authors Shi J, Gao F, Zhang J

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

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

Authors Jing W, Liu Q, Wang W

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

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

Authors Ruzauskas M, Bartkiene E, Stankevicius A, Bernatoniene J, Zadeike D, Lele V, Starkute V, Zavistanaviciute P, Grigas J, Zokaityte E, Pautienius A, Juodeikiene G, Jakstas V

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

Does Curcumin Have a Role in the Interaction between Gut Microbiota and Schistosoma mansoni in Mice?

**Pathogens (Basel, Switzerland)** , Volume: 9 Issue: 9 2020 Sep 19

Authors Anter A, El-Ghany MA, Abou El Dahab M, Mahana N

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

A diet-induced gut microbiota component and related plasma metabolites are associated with depressive-like behaviour in rats.

**European neuropsychopharmacology : the journal of the European College of Neuropsychopharmacology** , Volume: 43 2021 Feb

Authors Abildgaard A, Kern T, Pedersen O, Hansen T, Lund S, Wegener G

Modifications of Gut Microbiota after Grape Pomace Supplementation in Subjects at Cardiometabolic Risk: A Randomized Cross-Over Controlled Clinical Trial.

**Foods (Basel, Switzerland)** , Volume: 9 Issue: 9 2020 Sep 11

Authors Ramos-Romero S, Martínez-Maqueada D, Hereu M, Amézqueta S, Torres JL, Pérez-Jiménez J

Environmental and Intestinal Phylum Firmicutes Bacteria Metabolize the Plant Sugar Sulfoquinovose via a 6-Deoxy-6-sulfofructose Transaldolase Pathway.

**iScience** , Volume: 23 Issue: 9 2020 Aug 28

Authors Frommeyer B, Fiedler AW, Oehler SR, Hanson BT, Loy A, Franchini P, Spitteller D, Schleheck D

Micronized curcumin fabricated by supercritical CO(2) to improve antibacterial activity against Pseudomonas aeruginosa.

**Artificial cells, nanomedicine, and biotechnology** , Volume: 48 Issue: 1 2020 Dec

Authors Xue B, Huang J, Zhang H, Li B, Xu M, Zhang Y, Xie M, Li X

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

Erratum: Lactobacillus delbrueckii ssp. lactis R4 Prevents Salmonella typhimurium SL1344-Induced Damage to Tight Junctions and Adherens Junctions.

**Journal of microbiology (Seoul, Korea)** , Volume: 58 Issue: 9 2020 Sep

Authors Yu Q, Zhu L, Wang Z, Li P, Yang Q

The effects of dairy and dairy derivatives on the gut microbiota: a systematic literature review.

**Gut microbes** , Volume: 12 Issue: 1 2020 Nov 9

Authors Aslam H, Marx W, Rocks T, Loughman A, Chandrasekaran V, Ruusunen A, Dawson SL, West M, Mullarkey E, Pasco JA, Jacka FN

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

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

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

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

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

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

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

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

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

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

Effect of High versus Low Dairy Consumption on the Gut Microbiome: Results of a Randomized, Cross-Over Study.

**Nutrients** , Volume: 12 Issue: 7 2020 Jul 17

Authors Swarte JC, Eelderink C, Douwes RM, Said MY, Hu S, Post A, Westerhuis R, Bakker SJL, Harmsen HJM

Curcumin, a Natural Antimicrobial Agent with Strain-Specific Activity.

**Pharmaceuticals (Basel, Switzerland)** , Volume: 13 Issue: 7 2020 Jul 16

Authors Adamczak A, Ozarowski M, Karpinski TM

A Comprehensive Evaluation of the Impact of Bovine Milk Containing Different Beta-Casein Profiles on Gut Health of Ageing Mice.

**Nutrients** , Volume: 12 Issue: 7 2020 Jul 19

Authors Guantario B, Giribaldi M, Devirgiliis C, Finamore A, Colombino E, Capucchio MT, Evangelista R, Motta V, Zinno P, Cirrincione S, Antoniazzi S, Cavallarin L, Roselli M

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

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

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

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

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

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

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

Effects of banana powder (Musa acuminata Colla) on the composition of human fecal microbiota and metabolic output using in vitro fermentation.

**Journal of food science** , Volume: 85 Issue: 8 2020 Aug

Authors Tian DD, Xu XQ, Peng Q, Zhang YW, Zhang PB, Qiao Y, Shi B

Effect of banana pulp dietary fibers on metabolic syndrome and gut microbiota diversity in high-fat diet mice.

**Journal of food biochemistry** , 2020 Jul 14

Authors Wei G, Ye Y, Yan X, Chao X, Yang F, Wang M, Zhang W, Yuan C, Zeng Q

Anti-Obesity Effect of Lactobacillus plantarum LB818 Is Associated with Regulation of Gut Microbiota in High-Fat Diet-Fed Obese Mice.

**Journal of medicinal food** , Volume: 23 Issue: 7 2020 Jul

Authors Hussain A, Kwon MH, Kim HK, Lee HS, Cho JS, Lee YI

Dietary supplementation with Bacillus subtilis DSM 32315 alters the intestinal microbiota and metabolites in weaned piglets.

**Journal of applied microbiology** , 2020 Jul 6

*Authors Ding H,Zhao X,Ma C,Gao Q,Yin Y,Kong X,He J*

[Sulforaphane alter the microbiota and mitigate colitis severity on mice ulcerative colitis induced by DSS.](#)

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

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

[Effect of chitooligosaccharides on human gut microbiota and antiglycation.](#)

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

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

[Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?](#)

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

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

[Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.](#)

**International journal of molecular sciences** , Volume: 21 Issue: 11 2020 Jun 10

*Authors Spisni E,Petrocelli G,Imbesi V,Spigarello R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC*

[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*

[Green approach in food nanotechnology based on subcritical water: effects of thyme oil and saponin on characteristics of the prepared oil in water nanoemulsions.](#)

**Food science and biotechnology** , Volume: 29 Issue: 6 2020 Jun

*Authors Ahmadi O,Jafarizadeh-Malmiri H*

[Thymus vulgaris L. Essential Oil Solid Formulation: Chemical Profile and Spasmodic and Antimicrobial Effects.](#)

**Biomolecules** , Volume: 10 Issue: 6 2020 Jun 4

*Authors Micucci M,Protti M,Aldini R,Frosini M,Corazza I,Marzetti C,Mattioli LB,Tocci G,Chiarini A,Mercolini L,Budriesi R*

[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*

[Early Introduction of Solid Feeds: Ingestion Level Matters More Than Prebiotic Supplementation for Shaping Gut Microbiota.](#)

**Frontiers in veterinary science** , Volume: 7 2020

*Authors Paës C,Gidenne T,Bébin K,Duperray J,Gohier C,Guené-Grand E,Rebours G,Bouchez O,Barilly C,Aymard P,Combes S*

[Co-Culture with \*Bifidobacterium catenulatum\* Improves the Growth, Gut Colonization, and Butyrate Production of \*Faecalibacterium prausnitzii\*: In Vitro and In Vivo Studies.](#)

**Microorganisms** , Volume: 8 Issue: 5 2020 May 25

*Authors Kim H,Jeong Y,Kang S,You HJ,Jeon GE*

[Low-Fat, High-Fiber Diet Reduces Markers of Inflammation and Dysbiosis and Improves Quality of Life in Patients With Ulcerative Colitis.](#)

**Clinical gastroenterology and hepatology : the official clinical practice journal of the American**

**Gastroenterological Association** , Volume: 19 Issue: 6 2021 Jun

*Authors Fritsch J,Garces L,Quintero MA,Pignac-Kobinger J,Santander AM,Fernández I,Ban YJ,Kwon D,Phillips MC,Knight K,Mao Q,Santaolalla R,Chen XS,Maruthamuthu M,Solis N,Damas OM,Kerman DH,Deshpande AR,Lewis JE,Chen C,Abreu MT*

[Prebiotic effect of inulin-type fructans on faecal microbiota and short-chain fatty acids in type 2 diabetes: a randomised controlled trial.](#)

**European journal of nutrition** , Volume: 59 Issue: 7 2020 Oct

*Authors Birkeland E,Gharagozlian S,Birkeland KI,Valeur J,Måge I,Rud I,Aas AM*

[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*

[Synergistic 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*

[High-Meat-Protein High-Fat Diet Induced Dysbiosis of Gut Microbiota and Tryptophan Metabolism in Wistar Rats.](#)

**Journal of agricultural and food chemistry** , Volume: 68 Issue: 23 2020 Jun 10

*Authors Shi J,Zhao D,Song S,Zhang M,Zamaratskaia G,Xu X,Zhou G,Li C*

[Unsaturated alginate oligosaccharides attenuated obesity-related metabolic abnormalities by modulating gut microbiota in high-fat-diet mice.](#)

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

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

[Gut Microbiome and Metabolome Response of Pu-erh Tea on Metabolism Disorder Induced by Chronic Alcohol Consumption.](#)

**Journal of agricultural and food chemistry** , Volume: 68 Issue: 24 2020 Jun 17

Authors Liu Y,Luo Y,Wang X,Luo L,Sun K,Zeng L

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

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

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

[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

[5-Heptadecylresorcinol, a Biomarker for Whole Grain Rye Consumption, Ameliorates Cognitive Impairments and Neuroinflammation in APP/PS1 Transgenic Mice.](#)

**Molecular nutrition & food research** , Volume: 64 Issue: 11 2020 Jun

Authors Liu J,Wang Y,Wang Z,Hao Y,Bai W,Wang Z,Wang J

[Effect of dietary fiber fermentation on short-chain fatty acid production and microbial composition in vitro.](#)

**Journal of the science of food and agriculture** , Volume: 100 Issue: 11 2020 Aug 30

Authors Bai Y,Zhao JB,Tao SY,Zhou XJ,Pi Y,Gerrits WJ,Johnston LJ,Zhang SY,Yang HJ,Liu L,Zhang S,Wang JJ

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

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

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

[Alleviation effects of Bifidobacterium breve on DSS-induced colitis depends on intestinal tract barrier maintenance and gut microbiota modulation.](#)

**European journal of nutrition** , 2020 Apr 29

Authors Chen Y,Jin Y,Stanton C,Paul Ross R,Zhao J,Zhang H,Yang B,Chen W

[Impact of smoking cessation, coffee and bread consumption on the intestinal microbial composition among Saudis: A cross-sectional study.](#)

**PloS one** , Volume: 15 Issue: 4 2020

Authors Harakeh S,Angelakis E,Karamitros T,Bachar D,Bahijri S,Ajabnoor G,Alfadul SM,Farraj SA,Al Amri T,Al-Hejin A,Ahmed A,Mirza AA,Didier R,Azhar E

[<i>Lactobacillus reuteri</i> NK33 and <i>Bifidobacterium adolescentis</i> NK98 alleviate <i>Escherichia coli</i>-induced depression and gut dysbiosis in mice.](#)

**Journal of microbiology and biotechnology** , 2020 Apr 29

Authors Han SK, Kim JK, Joo MK, Lee KE, Han SW, Kim DH

[<i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> NTU 101 lyophilized powder improves loperamide-induced constipation in rats.](#)

**Heliyon** , Volume: 6 Issue: 4 2020 Apr

Authors Chen CL,Chao SH,Pan TM

[Preventive Effects of Kaempferol on High-Fat Diet-Induced Obesity Complications in C57BL/6 Mice.](#)

**BioMed research international** , Volume: 2020 2020

Authors Wang T,Wu Q,Zhao T

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

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

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

[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

[Cultivation of the Next-Generation Probiotic Akkermansia muciniphila, Methods of Its Safe Delivery to the Intestine, and Factors Contributing to Its Growth In Vivo.](#)

**Current microbiology** , Volume: 77 Issue: 8 2020 Aug

Authors Ropot AV,Karamzin AM,Sergeyev OV

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

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

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

Effect of probiotics on gut microbiome in patients with administration of surgical antibiotic prophylaxis: A randomized controlled study.

**Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 26 Issue: 8 2020 Aug**

Authors Kaku N,Matsumoto N,Sasaki D,Tsuda K,Kosai K,Uno N,Morinaga Y,Tagami A,Adachi S,Hasegawa H,Osaki M,Yanagihara K

Consumption of two whole kiwifruit (Actinide chinensis) per day improves lipid homeostasis, fatty acid metabolism and gut microbiota in healthy rats.

**International journal of biological macromolecules , Volume: 156 2020 Apr 9**

Authors Alim A,Li T,Nisar T,Ren D,Liu Y,Yang X

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

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

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

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

Effectiveness of an oral care tablet containing kiwifruit powder in reducing oral bacteria in tongue coating: A crossover trial.

**Clinical and experimental dental research , Volume: 6 Issue: 2 2020 Apr**

Authors Matsumura Y,Hinode D,Fukui M,Yoshioka M,Asakuma H,Takii H

Grape Extract Activates Brown Adipose Tissue Through Pathway Involving the Regulation of Gut Microbiota and Bile Acid.

**Molecular nutrition & food research , 2020 Apr 5**

Authors Han X,Guo J,Yin M,Liu Y,You Y,Zhan J,Huang W

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

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

Identification of essential oils with activity against stationary phase Staphylococcus aureus.

**BMC complementary medicine and therapies , Volume: 20 Issue: 1 2020 Mar 24**

Authors Xiao S,Cui P,Shi W,Zhang Y

Randomised clinical trial: effect of low-FODMAP rye bread versus regular rye bread on the intestinal microbiota of irritable bowel syndrome patients: association with individual symptom variation.

**BMC nutrition , Volume: 5 2019**

Authors Laatikainen R,Jalanka J,Loponen J,Hongisto SM,Hillilä M,Koskenpato J,Korpela R,Salonen A

Meat Protein in High-Fat Diet Induces Adipogenesis and Dyslipidemia by Altering Gut Microbiota and Endocannabinoid Dysregulation in the Adipose Tissue of Mice.

**Journal of agricultural and food chemistry , Volume: 68 Issue: 13 2020 Apr 1**

Authors Ijaz MU,Ahmad MI,Hussain M,Khan IA,Zhao D,Li C

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

Two apples a day modulate human: microbiome co-metabolic processing of polyphenols, tyrosine and tryptophan.

**European journal of nutrition , 2020 Feb 26**

Authors Ulaszewska MM,Koutsos A,Trošt K,Stanstrup J,Garcia-Aloy M,Scholz M,Fava F,Natella F,Scaccini C,Vrhovsek U,Tuohy K,Lovegrove J,Mattivi F

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,Tjønnelund A,Dicksved J,Landberg R

Prebiotic activity of garlic (*Allium sativum*) extract on *Lactobacillus acidophilus*.

**Veterinary world , Volume: 12 Issue: 12 2019 Dec**

Authors Sunu P,Sunarti D,Mahfudz LD,Yunianto VD

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

Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice.

**Scientific reports** , Volume: 10 Issue: 1 2020 Feb 10

Authors Rodríguez-Daza MC, Daoust L, Boutkrabt L, Pilon G, Varin T, Dudonné S, Levy É, Marette A, Roy D, Desjardins Y

Milk fat influences proteolytic enzyme activity of dairy *Pseudomonas* species.

**International journal of food microbiology** , Volume: 320 2020 Jan 28

Authors Zhang D, Palmer J, Teh KH, Calinisan MMA, Flint S

Anti-obesity effects of  $\alpha$ -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

Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.

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

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

In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.

**Food research international (Ottawa, Ont.)** , Volume: 128 2020 Feb

Authors Henrique-Bana FC, Wang X, Costa GN, Spinosa WA, Miglioranza LHS, Scorletti E, Calder PC, Byrne CD, Gibson GR

Chungkookjang, a soy food, fermented with *Bacillus amyloliquefaciens* protects gerbils against ischemic stroke injury, and post-stroke hyperglycemia.

**Food research international (Ottawa, Ont.)** , Volume: 128 2020 Feb

Authors Jeong DY, Jeong SY, Zhang T, Wu X, Qiu JY, Park S

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.

**Gut microbes** , 2020 Jan 13

Authors Boling L, Cuevas DA, Grasis JA, Kang HS, Knowles B, Levi K, Maughan H, McNair K, Rojas MI, Sanchez SE, Smurthwaite C, Rohwer F

Food for thought about manipulating gut bacteria.

**Nature** , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM, Bindels LB

The impact of food additives, artificial sweeteners and domestic hygiene products on the human gut microbiome and its fibre fermentation capacity.

**European journal of nutrition** , Volume: 59 Issue: 7 2020 Oct

Authors Gerasimidis K, Bryden K, Chen X, Papachristou E, Verney A, Roig M, Hansen R, Nichols B, Papadopoulou R, Parrett A

Dietary *Saccharomyces cerevisiae* boulardii CNCM I-1079 Positively Affects Performance and Intestinal Ecosystem in Broilers during a *Campylobacter jejuni* Infection.

**Microorganisms** , Volume: 7 Issue: 12 2019 Nov 21

Authors Massacci FR, Lovito C, Tofani S, Tentellini M, Genovese DA, De Leo AAP, Papa P, Magistrali CF, Manuali E, Trabalza-Marinucci M, Moscati L, Forte C

Apple polysaccharide could promote the growth of *Bifidobacterium longum*.

**International journal of biological macromolecules** , Volume: 152 2020 Jun 1

Authors Li Y, Wang S, Sun Y, Zheng H, Tang Y, Gao X, Song C, Liu J, Long Y, Liu L, Mei Q

Structural Analysis of Gluco-Oligosaccharides Produced by *Leuconostoc lactis* and Their Prebiotic Effect.

**Molecules (Basel, Switzerland)** , Volume: 24 Issue: 21 2019 Nov 5

Authors Lee S, Park J, Jang JK, Lee BH, Park YS

Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota.

**Nutrients** , Volume: 11 Issue: 11 2019 Nov 3

Authors Gomes A, Oudot C, Macià A, Foito A, Carregosa D, Stewart D, Van de Wiele T, Berry D, Motilva MJ, Brenner C, Dos Santos CN

Chitooligosaccharides Prevents the Development of Colitis-Associated Colorectal Cancer by Modulating the Intestinal Microbiota and Mycobiota.

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

Authors Wu M, Li J, An Y, Li P, Xiong W, Li J, Yan D, Wang M, Zhong G

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.

**European journal of nutrition** , 2019 Oct 11

Authors Hess AL, Benítez-Páez A, Blädel T, Larsen LH, Iglesias JR, Madera C, Sanz Y, Larsen TM, MyNewGut Consortium.

[Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.](#)

**NPJ biofilms and microbiomes** , Volume: 5 2019

Authors La Carpia F,Wojczyk BS,Annajhala MK,Rebbaa A,Culp-Hill R,D`Alessandro A,Freedberg DE,Uhlemann AC,Hod EA

[Effects of grape pomace and seed polyphenol extracts on the recovery of gut microbiota after antibiotic treatment in high-fat diet-fed mice.](#)

**Food science & nutrition** , Volume: 7 Issue: 9 2019 Sep

Authors Lu F,Liu F,Zhou Q,Hu X,Zhang Y

[An examination of data from the American Gut Project reveals that the dominance of the genus Bifidobacterium is associated with the diversity and robustness of the gut microbiota.](#)

**MicrobiologyOpen** , Volume: 8 Issue: 12 2019 Dec

Authors Feng Y,Duan Y,Xu Z,Lyu N,Liu F,Liang S,Zhu B

[Bacillus coagulans R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs.](#)

**Environmental pollution (Barking, Essex : 1987)** , Volume: 255 Issue: Pt 2 2019 Sep 13

Authors Xing SC,Huang CB,Mi JD,Wu YB,Liao XD

[Influence of Bacillus subtilis GCB-13-001 on growth performance, nutrient digestibility, blood characteristics, faecal microbiota and faecal score in weanling pigs.](#)

**Journal of animal physiology and animal nutrition** , 2019 Sep 20

Authors Wang H,Kim KP,Kim IH

[A comprehensive assessment of demographic, environmental, and host genetic associations with gut microbiome diversity in healthy individuals.](#)

**Microbiome** , Volume: 7 Issue: 1 2019 Sep 13

Authors Scepanovic P,Hodel F,Mondot S,Partula V,Byrd A,Hammer C,Alanio C,Bergstedt J,Patin E,Touvier M,Lantz O,Albert ML,Duffy D,Quintana-Murci L,Fellay J,Milieu Intérieur Consortium.

[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

[Immunomodulatory Effects of Lactobacillus plantarum on Inflammatory Response Induced by Klebsiella pneumoniae.](#)

**Infection and immunity** , Volume: 87 Issue: 11 2019 Nov

Authors Vareille-Delarbre M,Miquel S,Garcin S,Bertran T,Balestrino D,Evrard B,Forestier C

[Adhesive \*Bifidobacterium\* Induced Changes in Cecal Microbiome Alleviated Constipation in Mice.](#)

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

Authors Wang L,Chen C,Cui S,Lee YK,Wang G,Zhao J,Zhang H,Chen W

[Enterococcus faecium NCIMB 10415 administration improves the intestinal health and immunity in neonatal piglets infected by enterotoxigenic Escherichia coli K88.](#)

**Journal of animal science and biotechnology** , Volume: 10 2019

Authors Peng X,Wang R,Hu L,Zhou Q,Liu Y,Yang M,Fang Z,Lin Y,Xu S,Feng B,Li J,Jiang X,Zhuo Y,Li H,Wu D,Che L

[Inhibition of Escherichia coli adhesion to human intestinal Caco-2 cells by probiotic candidate Lactobacillus plantarum strain L15.](#)

**Microbial pathogenesis** , Volume: 136 2019 Nov

Authors Alizadeh Behbahani B,Noshad M,Falah F

[Rebalancing of the gut flora and microbial metabolism is responsible for the anti-arthritis effect of kaempferol.](#)

**Acta pharmacologica Sinica** , Volume: 41 Issue: 1 2020 Jan

Authors Aa LX,Fei F,Qi Q,Sun RB,Gu SH,Di ZZ,Aa JY,Wang GJ,Liu CX

[Immunomodulatory and Prebiotic Effects of 2`-Fucosyllactose in Suckling Rats.](#)

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

Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van `t Land B,Tims S,Stahl B,Garssen J,Franch À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

[Dietary Factors and Modulation of Bacteria Strains of \*Akkermansia muciniphila\* and \*Faecalibacterium prausnitzii\*: A Systematic Review.](#)

**Nutrients** , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Diaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

[Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.](#)

**PloS one** , Volume: 14 Issue: 7 2019

Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgreen B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI

Maternal Exposure to Non-nutritive Sweeteners Impacts Progeny's Metabolism and Microbiome.**Frontiers in microbiology** , Volume: 10 2019Authors *Olivier-Van Stichelen S,Rother KI,Hanover JA*Additional Effect of Dietary Fiber in Patients with Type 2 Diabetes Mellitus Using Metformin and Sulfonylurea: An Open-Label, Pilot Trial.**Diabetes & metabolism journal** , 2019 Apr 23Authors *Lee SE,Choi Y,Jun JE,Lee YB,Jin SM,Hur KY,Ko GP,Lee MK*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 JunAuthors *Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C**Bacteroides thetaiotaomicron* Starch Utilization Promotes Quercetin Degradation and Butyrate Production by *Eubacterium ramulus*.**Frontiers in microbiology** , Volume: 10 2019Authors *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 30Authors *Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M*Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in *Citrobacter rodentium* Infected Mice.**Frontiers in microbiology** , Volume: 10 2019Authors *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 AugAuthors *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 JulAuthors *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 1Authors *Hiel S, Bindels LB, Pachikian BD, Kalala G, Broers V, Zamariola G, Chang BPI, Kambashi B, Rodríguez J, Cani PD, Neyrinck AM, Thissen JP, Luminet O, Bindelle J, Delzenne NM*High-fat diet reduces the level of secretory immunoglobulin A coating of commensal gut microbiota.**Bioscience of microbiota, food and health** , Volume: 38 Issue: 2 2019Authors *Muhomah TA, Nishino N, Katsumata E, Haoming W, Tsuruta T**Brevibacillus laterosporus* strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.**PloS one** , Volume: 14 Issue: 5 2019Authors *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 1Authors *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*Home style frying of steak and meat products: Survival of *Escherichia coli* related to dynamic temperature profiles.**International journal of food microbiology** , Volume: 300 2019 Jul 2Authors *Pesciaroli M, Chardon JE, Delfgou EHM, Kuijpers AFA, Wijnands LM, Evers EG*Apple consumption is associated with a distinctive microbiota, proteomics and metabolomics profile in the gut of Dawley Sprague rats fed a high-fat diet.**PloS one** , Volume: 14 Issue: 3 2019Authors *García-Mazcorro JF, Pedreschi R, Yuan J, Kawas JR, Chew B, Dowd SE, Noratto G*Effects of dietary supplementation of probiotic *Enterococcus faecium* on growth performance and gut microbiota in weaned piglets.**AMB Express** , Volume: 9 Issue: 1 2019 Mar 1Authors *Hu C, Xing W, Liu X, Zhang X, Li K, Liu J, Deng B, Deng J, Li Y, Tan C*Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.**Journal of agricultural and food chemistry** , Volume: 67 Issue: 33 2019 Aug 21Authors *Han Y, Song M, Gu M, Ren D, Zhu X, Cao X, Li F, Wang W, Cai X, Yuan B, Goulette T, Zhang G, Xiao H*

Dietary supplementation with strawberry induces marked changes in the composition and functional potential of the gut microbiome in diabetic mice.

**The Journal of nutritional biochemistry** , Volume: 66 2019 Apr

Authors Petersen C,Wankhade UD,Bharat D,Wong K,Mueller JE,Chintapalli SV,Piccolo BD,Jalili T,Jia Z,Symons JD,Shankar K,Anandh Babu PV

Influence of proton pump inhibitors on microbiota in chronic liver disease patients.

**Hepatology international** , Volume: 13 Issue: 2 2019 Mar

Authors Yamamoto K,Ishigami M,Honda T,Takeyama T,Ito T,Ishizu Y,Kuzuya T,Hayashi K,Goto H,Hirooka Y

Intestinal Morphologic and Microbiota Responses to Dietary *Bacillus* spp. in a Broiler Chicken Model.

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

Authors Li CL,Wang J,Zhang HJ,Wu SG,Hui QR,Yang CB,Fang RJ,Qi GH

Functional Interactions between Gut Microbiota Transplantation, Quercetin, and High-Fat Diet Determine Non-Alcoholic Fatty Liver Disease Development in Germ-Free Mice.

**Molecular nutrition & food research** , Volume: 63 Issue: 8 2019 Apr

Authors Porras D,Nistal E,Martínez-Flórez S,Olcoz JL,Jover R,Jorquera F,González-Gallego J,García-Mediavilla MV,Sánchez-Campos S

The Inflammatory Response to Enterotoxigenic *E. coli* and Probiotic *E. faecium* in a Coculture Model of Porcine Intestinal Epithelial and Dendritic Cells.

**Mediators of inflammation** , Volume: 2018 2018

Authors Loss H,Aschenbach JR,Tedin K,Ebner F,Lodemann U

Purification and Characterization of Plantaricin ZJ316, a Novel Bacteriocin against *Listeria monocytogenes* from *Lactobacillus plantarum* ZJ316.

**Journal of food protection** , Volume: 81 Issue: 12 2018 Dec

Authors Chen L,Gu Q,Li P,Li Y,Song D,Yang J

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

Prevalence and Antimicrobial Susceptibility of Bacterial Uropathogens Isolated from Pediatric Patients at Yekatit 12 Hospital Medical College, Addis Ababa, Ethiopia.

**International journal of microbiology** , Volume: 2018 2018

Authors Merga Duffa Y,Terfa Kitila K,Mamuye Gebretsadik D,Bitew A

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

*Bifidobacterium adolescentis* CGMCC 15058 alleviates liver injury, enhances the intestinal barrier and modifies the gut microbiota in D-galactosamine-treated rats.

**Applied microbiology and biotechnology** , Volume: 103 Issue: 1 2019 Jan

Authors Li Y,Lv L,Ye J,Fang D,Shi D,Wu W,Wang Q,Wu J,Yang L,Bian X,Jiang X,Jiang H,Yan R,Peng C,Li L

Determination of Antimicrobial Activity of Some Commercial Fruit (Apple, Papaya, Lemon and Strawberry) Against Bacteria Causing Urinary Tract Infection.

**European journal of microbiology & immunology** , Volume: 8 Issue: 3 2018 Sep 28

Authors Liya SJ,Siddique R

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

An exploratory study on the effect of daily fruits and vegetable juice on human gut microbiota.

**Food science and biotechnology** , Volume: 27 Issue: 5 2018 Oct

Authors Choi YJ,Lee DH,Kim HS,Kim YK

Broccoli consumption affects the human gastrointestinal microbiota.

**The Journal of nutritional biochemistry** , Volume: 63 2019 Jan

Authors Kaczmarek JL,Liu X,Charron CS,Novotny JA,Jeffery EH,Seifried HE,Ross SA,Miller MJ,Swanson KS,Holscher HD

Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased *Akkermansia muciniphila* Population Modulated by Dietary Black Raspberries.

**ACS omega** , Volume: 3 Issue: 9 2018 Sep 30

Authors Tu P,Bian X,Chi L,Gao B,Ru H,Knobloch TJ,Weghorst CM,Lu K

The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease.

**The Journal of pharmacology and experimental therapeutics** , Volume: 367 Issue: 3 2018 Dec

Authors Lau WL,Vaziri ND,Nunes ACF,Comeau AM,Langille MGI,England W,Khazaeli M,Suematsu Y,Phan J,Whiteson K

Effects of Whole Milk Supplementation on Gut Microbiota and Cardiometabolic Biomarkers in Subjects with and without Lactose Malabsorption.

**Nutrients** , Volume: 10 Issue: 10 2018 Oct 2

Authors Li X,Yin J,Zhu Y,Wang X,Hu X,Bao W,Huang Y,Chen L,Chen S,Yang W,Shan Z,Liu L

Effects of daily consumption of the probiotic *Bifidobacterium animalis* subsp. *lactis* CECT 8145 on anthropometric adiposity biomarkers in abdominally obese subjects: a randomized controlled trial.

**International journal of obesity (2005)** , 2018 Sep 27

Authors Pedret A,Valls RM,Calderón-Pérez L,Llauradó E,Comanys J,Pla-Pagà L,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

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

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

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

Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.

**Molecular nutrition & food research** , Volume: 62 Issue: 22 2018 Nov

Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ

Probiotic *Bacillus amyloliquefaciens* C-1 Improves Growth Performance, Stimulates GH/IGF-1, and Regulates the Gut Microbiota of Growth-Retarded Beef Calves.

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

Authors Du R,Jiao S,Dai Y,An J,Lv J,Yan X,Wang J,Han B

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

[Microbiological profiles of pathogens causing nosocomial bacteremia in 2011, 2013 and 2016].

**Sheng wu gong cheng xue bao = Chinese journal of biotechnology** , Volume: 34 Issue: 8 2018 Aug 25

Authors Wang X,Zhao C,Li H,Chen H,Jin L,Wang Z,Liao K,Zeng J,Xu X,Jin Y,Su D,Liu W,Hu Z,Cao B,Chu Y,Zhang R,Luo Y,Hu B,Wang H

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

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

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

Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.

**The Journal of nutritional biochemistry** , Volume: 59 2018 Sep

Authors Mayta-Apaza AC,Pottgen E,De Bodt J,Papp N,Marasini D,Howard L,Abranko L, Van de Wiele T, Lee SQ, Carbonero F

A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.

**Applied and environmental microbiology** , Volume: 84 Issue: 19 2018 Oct 1

Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R

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 Hållenius F,Nyman M

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

Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections.

**Molecules (Basel, Switzerland)** , Volume: 23 Issue: 7 2018 Jul 9

Authors Ebani W,Nardoni S,Bertelloni F,Pistelli L,Mancianti F

Bifidobacterium bifidum TMC3115 Can Characteristically Influence Glucose and Lipid Profile and Intestinal Microbiota in the Middle-Aged and Elderly.

**Probiotics and antimicrobial proteins** , 2018 Jul 5

Authors Wang K,Yu X,Li Y,Guo Y,Ge L,Pu F,Ma X,Cui W,Marrota F,He F,Li M

Beneficial effects of the commercial lactic acid bacteria product, Vigis 101, on gastric mucosa and intestinal bacterial flora in rats.

**Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , 2018 Jun 23

Authors Kao L,Liu TH,Tsai TY,Pan TM

Maternal Soluble Fiber Diet during Pregnancy Changes the Intestinal Microbiota, Improves Growth Performance, and Reduces Intestinal Permeability in Piglets.

**Applied and environmental microbiology** , Volume: 84 Issue: 17 2018 Sep 1

Authors Cheng C,Wei H,Xu C,Xie X,Jiang S,Peng J

Enterococcus faecium WEFA23 from infant lessens high-fat-diet-induced hyperlipidemia via cholesterol 7-alpha-hydroxylase gene by altering the composition of gut microbiota in rats.

**Journal of dairy science** , 2018 Jun 20

Authors Huang F,Zhang F,Xu D,Zhang Z,Xu F,Tao X,Qiu L,Wei H

Composition and metabolism of fecal microbiota from normal and overweight children are differentially affected by melibiose, raffinose and raffinose-derived fructans.

**Anaerobe** , Volume: 52 2018 Aug

Authors Adamberg K,Adamberg S,Ernits K,Larionova A,Voor T,Jaagura M,Visnapuu T,Alamäe T

Probiotics L. acidophilus and B. clausii Modulate Gut Microbiota in Th1- and Th2-Biased Mice to Ameliorate Salmonella Typhimurium-Induced Diarrhea.

**Probiotics and antimicrobial proteins** , 2018 Jun 16

Authors Pradhan B,Guha D,Naik AK,Banerjee A,Tambat S,Chawla S,Senapati S,Aich P

Anti-inflammatory and antibacterial evaluation of Thymus sipyleus Boiss. subsp. sipyleus var. sipyleus essential oil against rhinosinusitis pathogens.

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

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

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

Antimicrobial Activity of Monoketone Curcuminoids Against Cariogenic Bacteria.

**Chemistry & biodiversity** , Volume: 15 Issue: 8 2018 Aug

Authors Vieira TM,Dos Santos IA,Silva TS,Martins CHG,Crotti AEM

Identification of Phenolic Compounds-Rich Grape Pomace Extracts Urine Metabolites and Correlation with Gut Microbiota Modulation.

**Antioxidants (Basel, Switzerland)** , Volume: 7 Issue: 6 2018 Jun 4

Authors Chacar S,Tarighi M,Fares N,Faivre JF,Louka N,Maroun RG

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

Antagonistic effect of isolated probiotic bacteria from natural sources against intestinal Escherichia coli pathotypes.

**Electronic physician** , Volume: 10 Issue: 3 2018 Mar

Authors Karimi S,Rashidian E,Birjandi M,Mahmoodnia L

Dietary fiber intervention on gut microbiota composition in healthy adults: a systematic review and meta-analysis.

**The American journal of clinical nutrition** , Volume: 107 Issue: 6 2018 Jun 1

Authors So D,Whelan K,Rossi M,Morrison M,Holtmann G,Kelly JT,Shanahan ER,Staudacher HM,Campbell KL

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.

**Food & function** , Volume: 9 Issue: 5 2018 May 23

*Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X*

[Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.](#)

**Nutrients** , Volume: 10 Issue: 5 2018 May 8

*Authors Klimenko NS,Tyakht AV,Popenko AS,Vasiliev AS,Altukhov IA,Ischenko DS,Shashkova TI,Efimova DA,Nikogosov DA,Osipenko DA,Musienko SV,Selezneva KS,Baranova A,Kurilshikov AM,Toshchakov SMI,Korzhnikov AA,Samarov NI,Shevchenko MA,Tepliuk AV,Alexeev DG*

[Screening and characterization of selected drugs having antibacterial potential.](#)

**Pakistan journal of pharmaceutical sciences** , Volume: 31 Issue: 3 2018 May

*Authors Javed H,Tabassum S,Erum S,Murtaza I,Muhammad A,Amin F,Nisar MF*

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

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

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

[The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.](#)

**Molecular nutrition & food research** , 2018 Apr 17

*Authors González-Sarrías A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC*

[The bacterium Pseudomonas aeruginosa senses and gradually responds to interspecific competition for iron.](#)

**Evolution; international journal of organic evolution** , 2018 Apr 17

*Authors Leinweber A,Weigert M,Kümmerli R*

[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 <i>Bacillus amyloliquefaciens</i> supplementation on growth performance, intestinal morphology, inflammatory response, and microbiota of intra-uterine growth retarded weanling piglets.](#)

**Journal of animal science and biotechnology** , Volume: 9 2018

*Authors Li Y,Zhang H,Su W,Ying Z,Chen Y,Zhang L,Lu Z,Wang T*

[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*

[Molecular Modelling reveals the inhibition mechanism and structure-activity relationship of curcumin and its analogues to Staphylococcal aureus Sortase A.](#)

**Journal of biomolecular structure & dynamics** , Volume: 37 Issue: 5 2019 Mar

*Authors Niu X,Gao Y,Yu Y,Yang Y,Wang G,Sun L,Wang H*

[Adverse effect of early-life high-fat/high-carbohydrate \("Western"\) diet on bacterial community in the distal bowel of mice.](#)

**Nutrition research (New York, N.Y.)** , Volume: 50 2018 Feb

*Authors Villamil SI,Huerlimann R,Morianos C,Sarnyai Z,Maes GE*

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

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

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

[Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.](#)

**PeerJ** , Volume: 6 2018

*Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X*

[Enhancing syntrophic associations among Clostridium butyricum, Syntrophomonas and two types of methanogen by zero valent iron in an anaerobic assay with a high organic loading.](#)

**Bioresource technology** , Volume: 257 2018 Jun

*Authors Kong X,Yu S,Fang W,Liu J,Li H*

[Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation.](#)

**Applied and environmental microbiology** , Volume: 84 Issue: 9 2018 May 1

*Authors Rivière A,Selak M,Geirnaert A,Van den Abbeele P,De Vuyst L*

- Blueberry Supplementation Influences the Gut Microbiota, Inflammation, and Insulin Resistance in High-Fat-Diet-Fed Rats.  
**The Journal of nutrition** , Volume: 148 Issue: 2 2018 Feb 1  
 Authors Lee S,Keirsey KI,Kirkland R,Grunewald ZI,Fischer JG,de La Serre CB  
Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.
- Food & function** , Volume: 9 Issue: 3 2018 Mar 1  
 Authors Zartl B,Silberbauer K,Loeppert R,Viernstein H,Praznik W,Mueller M  
Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.
- Food & function** , 2018 Feb 21  
 Authors Cheng W,Lu J,Lin W,Wei X,Li H,Zhao X,Jiang A,Yuan J  
Soluble dietary fiber improves energy homeostasis in obese mice by remodeling the gut microbiota.
- Biochemical and biophysical research communications** , Volume: 498 Issue: 1 2018 Mar 25  
 Authors Wang H,Hong T,Li N,Zang B,Wu X  
Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.
- Canadian journal of microbiology** , 2018 Feb 5  
 Authors Wang Y,Guo Y,Chen H,Wei H,Wan C  
Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.
- Plant foods for human nutrition (Dordrecht, Netherlands)** , Volume: 73 Issue: 1 2018 Mar  
 Authors Paturi G,Butts CA,Monro JA,Hedderley D  
Effects of dietary fiber levels on cecal microbiota composition in geese.
- Asian-Australasian journal of animal sciences** , Volume: 31 Issue: 8 2018 Aug  
 Authors Li Y,Yang H,Xu L,Wang Z,Zhao Y,Chen X  
Alfalfa-containing diets alter luminal microbiota structure and short chain fatty acid sensing in the caecal mucosa of pigs.
- Journal of animal science and biotechnology** , Volume: 9 2018  
 Authors Wang J,Qin C,He T,Qiu K,Sun W,Zhang X,Jiao N,Zhu W,Yin J  
The influence of long-term use of proton pump inhibitors on the gut microbiota: an age-sex-matched case-control study.
- Journal of clinical biochemistry and nutrition** , Volume: 62 Issue: 1 2018 Jan  
 Authors Takagi T,Naito Y,Inoue R,Kashiwagi S,Uchiyama K,Mizushima K,Tsuchiya S,Okayama T,Dohi O,Yoshida N,Kamada K,Ishikawa T,Handa O,Konishi H,Okuda K,Tsujimoto Y,Ohnogi H,Itoh Y  
Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.
- Carcinogenesis** , 2018 Jan 19  
 Authors Chen L,Jiang B,Zhong C,Guo J,Zhang L,Mu T,Zhang Q,Bi X  
The Relationship between Habitual Dietary Intake and Gut Microbiota in Young Japanese Women.
- Journal of nutritional science and vitaminology** , Volume: 63 Issue: 6 2017  
 Authors Seura T,Yoshino Y,Fukuwatari T  
Transferrin and Lactoferrin - Human Iron Sources for Enterococci.
- Polish journal of microbiology** , Volume: 66 Issue: 4 2017 Dec 4  
 Authors Lisiecki P  
Effect of dark sweet cherry powder consumption on the gut microbiota, short-chain fatty acids, and biomarkers of gut health in obese db/db mice.
- PeerJ** , Volume: 6 2018  
 Authors Garcia-Mazcorro JF,Lage NN,Mertens-Talcott S,Talcott S,Chew B,Dowd SE,Kawas JR,Noratto GD  
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  
Thymus mastichina L. essential oils from Murcia (Spain): Composition and antioxidant, antienzymatic and antimicrobial bioactivities.
- PloS one** , Volume: 13 Issue: 1 2018  
 Authors Cutillas AB,Carrasco A,Martinez-Gutierrez R,Tomas V,Tudela J  
Influence of a diet enriched with virgin olive oil or butter on mouse gut microbiota and its correlation to physiological and biochemical parameters related to metabolic syndrome.
- PloS one** , Volume: 13 Issue: 1 2018  
 Authors Prieto I,Hidalgo M,Segarra AB,Martinez-Rodríguez AM,Cobo A,Ramírez M,Abriouel H,Gálvez A,Martínez-Cañamero M  
Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.
- Journal of food protection** , Volume: 81 Issue: 1 2018 Jan  
 Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

[Dietary Broccoli Impacts Microbial Community Structure and Attenuates Chemically Induced Colitis in Mice in an Ah receptor dependent manner.](#)

**Journal of functional foods** , Volume: 37 2017 Oct

Authors Hubbard TD, Murray IA, Nichols RG, Cassel K, Podolsky M, Kuzu G, Tian Y, Smith P, Kennett MJ, Patterson AD, Perdew GH

[The Impact of Long-Term Intake of Phenolic Compounds-Rich Grape Pomace on Rat Gut Microbiota.](#)

**Journal of food science** , Volume: 83 Issue: 1 2018 Jan

Authors Chacar S, Itani T, Hajal J, Saliba Y, Louka N, Faivre JF, Maroun R, Fares N

[Evaluation of probiotic and prebiotic-like effects of Bacillus subtilis BN on growth of lactobacilli.](#)

**The Journal of general and applied microbiology** , Volume: 64 Issue: 1 2018 Mar 27

Authors Horie M, Koike T, Sugino S, Umeno A, Yoshida Y

[Systematic review: human gut dysbiosis induced by non-antibiotic prescription medications.](#)

**Alimentary pharmacology & therapeutics** , Volume: 47 Issue: 3 2018 Feb

Authors Le Bastard Q, Al-Ghalith GA, Grégoire M, Chapelet G, Javaudin F, Dailly E, Batard E, Knights D, Montassier E

[Blood lactose after dairy product intake in healthy men.](#)

**The British journal of nutrition** , Volume: 118 Issue: 12 2017 Dec

Authors Pimentel G, Burton KJ, Rosikiewicz M, Freiburghaus C, von Ah U, Mürnger LH, Pralong FP, Vionnet N, Greub G, Badertscher R, Vergères G

[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

[Genes and Gut Bacteria Involved in Luminal Butyrate Reduction Caused by Diet and Loperamide.](#)

**Genes** , Volume: 8 Issue: 12 2017 Nov 28

Authors Hwang N, Eom T, Gupta SK, Jeong SY, Jeong DY, Kim YS, Lee JH, Sadowsky MJ, Unno T

[Gut Microbiome-Induced Shift of Acetate to Butyrate Positively Manages Dysbiosis in High Fat Diet.](#)

**Molecular nutrition & food research** , Volume: 62 Issue: 3 2018 Feb

Authors Si X, Shang W, Zhou Z, Strappe P, Wang B, Bird A, Blanchard C

[Bifidobacterium infantis Potentially Alleviates Shrimp Tropomyosin-Induced Allergy by Tolerogenic Dendritic Cell-Dependent Induction of Regulatory T Cells and Alterations in Gut Microbiota.](#)

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

Authors Fu L, Song J, Wang C, Fu S, Wang Y

[Quercetin metabolism by fecal microbiota from healthy elderly human subjects.](#)

**PloS one** , Volume: 12 Issue: 11 2017

Authors Tamura M, Hoshi C, Kobori M, Takahashi S, Tomita J, Nishimura M, Nishihira J

[Balancing Herbal Medicine and Functional Food for Prevention and Treatment of Cardiometabolic Diseases through Modulating Gut Microbiota.](#)

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

Authors Lyu M, Wang YF, Fan GW, Wang XY, Xu SY, Zhu Y

[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

[Oral microbiome alterations of healthy volunteers with proton pump inhibitor.](#)

**Journal of gastroenterology and hepatology** , 2017 Nov 4

Authors Mishiro T, Oka K, Kuroki Y, Takahashi M, Tatsumi K, Saitoh T, Tobita H, Ishimura N, Sato S, Ishihara S, Sekine J, Wada K, Kinoshita Y

[Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.](#)

**Food & function** , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y, Huo D, Peng Q, Pan Y, Jiang S, Liu B, Zhang J

[The effects of iron fortification and supplementation on the gut microbiome and diarrhea in infants and children: a review.](#)

**The American journal of clinical nutrition** , Volume: 106 Issue: Suppl 6 2017 Dec

Authors Paganini D, Zimmermann MB

[Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes.](#)

**Food & function** , Volume: 8 Issue: 12 2017 Dec 13

Authors Shang W, Si X, Zhou Z, Li Y, Strappe P, Blanchard C

[Bifidobacterium longum BB536 alleviated upper respiratory illnesses and modulated gut microbiota profiles in Malaysian pre-school children.](#)

**Beneficial microbes** , Volume: 9 Issue: 1 2018 Jan 29

Authors Lau AS, Yanagisawa N, Hor YY, Lew LC, Ong JS, Chuah LO, Lee YY, Choi SB, Rashid F, Wahid N, Sugahara H, Xiao JZ, Liong MT

[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 Ruminal Microbiota in Dairy Cows Fed High-Grain Diets.](#)

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

Authors Pan X, Xue F, Nan X, Tang Z, Wang K, Beckers Y, Jiang L, Xiong B

[Effect of Functional Oligosaccharides and Ordinary Dietary Fiber on Intestinal Microbiota Diversity.](#)

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

Authors Cheng W, Lu J, Li B, Lin W, Zhang Z, Wei X, Sun C, Chi M, Bi W, Yang B, Jiang A, Yuan J

[Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.](#)

**International journal of molecular sciences** , Volume: 18 Issue: 10 2017 Oct 4

Authors Medina DA, Pinto F, Ovalle A, Thomson P, Garrido D

[Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs.](#)

**The Journal of nutrition** , Volume: 147 Issue: 11 2017 Nov

Authors Fohse JM, Gänzle MG, Beattie AD, Vasanthan T, Zijlstra RT

[Fructooligosaccharide \(FOS\) and Galactooligosaccharide \(GOS\) Increase Bifidobacterium but Reduce Butyrate Producing Bacteria with Adverse Glycemic Metabolism in healthy young population.](#)

**Scientific reports** , Volume: 7 Issue: 1 2017 Sep 18

Authors Liu F, Li P, Chen M, Luo Y, Prabhakar M, Zheng H, He Y, Qi Q, Long H, Zhang Y, Sheng H, Zhou H

[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

[Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.](#)

**Journal of food and drug analysis** , Volume: 25 Issue: 2 2017 Apr

Authors Semeniuc CA, Pop CR, Rotar AM

[Bifidobacteria exert species-specific effects on constipation in BALB/c mice.](#)

**Food & function** , Volume: 8 Issue: 10 2017 Oct 18

Authors Wang L, Hu L, Xu Q, Jiang T, Fang S, Wang G, Zhao J, Zhang H, Chen W

[Dietary pomegranate extract and inulin affect gut microbiome differentially in mice fed an obesogenic diet.](#)

**Anaerobe** , Volume: 48 2017 Dec

Authors Zhang S, Yang J, Henning SM, Lee R, Hsu M, Grojean E, Piseña R, Ly A, Heber D, Li Z

[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

[Bifidobacterium pseudocatenulatum LI09 and Bifidobacterium catenulatum LI10 attenuate D-galactosamine-induced liver injury by modifying the gut microbiota](#)

**Scientific Reports** , Volume: 7 2017 Aug 18

Authors Fang D, Shi D, Lv L, Gu S, Wu W, Chen Y, Guo J, Li A, Hu X, Guo F, Ye J, Li Y, Li L

[Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.](#)

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

Authors Shen L, Liu L, Ji HF

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

High-protein diet improves sensitivity to cholecystokinin and shifts the cecal microbiome without altering brain inflammation in diet-induced obesity in rats.

**American journal of physiology. Regulatory, integrative and comparative physiology** , Volume: 313 Issue: 4 2017 Oct 1

Authors Wang L,Jacobs JP,Lagishetty V,Yuan PQ,Wu SV,Million M,Reeve JR Jr,Pisegna JR,Taché Y

Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.

**Nutrition and cancer** , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P,Lam V,Salzman N,Huang YW,Yu J,Zhang J,Wang LS

Effects of Consuming Xylitol on Gut Microbiota and Lipid Metabolism in Mice.

**Nutrients** , Volume: 9 Issue: 7 2017 Jul 14

Authors Uebanso T,Kano S,Yoshimoto A,Naito C,Shimohata T,Mawatari K,Takahashi A

Association of Silver Nanoparticles and Curcumin Solid Dispersion: Antimicrobial and Antioxidant Properties.

**AAPS PharmSciTech** , Volume: 19 Issue: 1 2018 Jan

Authors Alves TF,Chaud MV,Grotto D,Jozala AF,Pandit R,Rai M,Dos Santos CA

Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.

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

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

Monitoring *in vitro* antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.

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

Authors Rath S,Padhy RN

Temporal microbiota changes of high-protein diet intake in a rat model.

**Anaerobe** , Volume: 47 2017 Oct

Authors Mu C,Yang Y,Luo Z,Zhu W

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

Gastrointestinal Simulation Model TWIN-SHIME Shows Differences between Human Urolithin-Metabotypes in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract.

**Journal of agricultural and food chemistry** , Volume: 65 Issue: 27 2017 Jul 12

Authors García-Villalba R,Vissenaekens H,Pitart J,Romo-Vaquero M,Espín JC,Grootaert C,Selma MV,Raes K,Smagghe G,Possemiers S,Van Camp J,Tomas-Barberan FA

Inhibition of Pseudomonas aeruginosa quorum sensing by subinhibitory concentrations of curcumin with gentamicin and azithromycin.

**Journal of global antimicrobial resistance** , Volume: 10 2017 Sep

Authors Bahari S,Zeighami H,Mirshahabi H,Roudashti S,Haghi F

Human Milk Oligosaccharides Exhibit Antimicrobial and Antibiofilm Properties against Group B Streptococcus.

**ACS infectious diseases** , Volume: 3 Issue: 8 2017 Aug 11

Authors Ackerman DL,Doster RS,Weitkamp JH,Aronoff DM,Gaddy JA,Townsend SD

Probiotic yogurt and acidified milk similarly reduce postprandial inflammation and both alter the gut microbiota of healthy, young men.

**The British journal of nutrition** , Volume: 117 Issue: 9 2017 May

Authors Burton KJ,Rosikiewicz M,Pimentel G,Bütikofer U,von Ah U,Voirol MJ,Croxatto A,Aeby S,Drai J,McTernan PG,Greub G,Pralong FP,Vergères G,Vionnet N

[Association between Yogurt Consumption and Intestinal Microbiota in Healthy Young Adults Differs by Host Gender.](#)

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

Authors Suzuki Y,Ikeda K,Sakuma K,Kawai S,Sawaki K,Asahara T,Takahashi T,Tsuji H,Nomoto K,Nagpal R,Wang C,Nagata S,Yamashiro Y

[Recovery of ethanol-induced \*Akkermansia muciniphila\* depletion ameliorates alcoholic liver disease.](#)

**Gut** , 2017 May 26

Authors Grander C,Adolph TE,Wieser V,Lowe P,Wrzosek L,Gyongyosi B,Ward DV,Grabherr F,Gerner RR,Pfister A,Enrich B,Ciocan D,Macheiner S,Mayr L,Drach M,Moser P,Moschen AR,Perlemuter G,Szabo G,Cassard AM,Tilg H

[Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.](#)

**Nutrients** , Volume: 9 Issue: 6 2017 May 24

Authors Koutsos A,Lima M,Conterno L,Gasperotti M,Bianchi M,Fava F,Vrhovsek U,Lovegrove JA,Tuohy KM

[Health benefit of vegetable/fruit juice-based diet: Role of microbiome](#)

**Scientific Reports** , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

[The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.](#)

**Science translational medicine** , Volume: 9 Issue: 390 2017 May 17

Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI

[Effect of \*Lactobacillus rhamnosus\* HN001 and \*Bifidobacterium longum\* BB536 on the healthy gut microbiota composition at phyla and species level: A preliminary study.](#)

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

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

[Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation.](#)

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

Authors Wang L,Hu L,Yan S,Jiang T,Fang S,Wang G,Zhao J,Zhang H,Chen W

[Effect of dietary supplementation with \*Lactobacillus acidophilus\* D2/CSL \(CECT 4529\) on caecum 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

[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

[Sucralose Increases Antimicrobial Resistance and Stimulates Recovery of \*Escherichia coli\* Mutants.](#)

**Current microbiology** , Volume: 74 Issue: 7 2017 Jul

Authors Qu Y,Li R,Jiang M,Wang X

[Inulin with different degrees of polymerization modulates composition of intestinal microbiota in mice.](#)

**FEMS microbiology letters** , Volume: 364 Issue: 10 2017 May 1

Authors Zhu L,Qin S,Zhai S,Gao Y,Li L

[Influence of diet on the gut microbiome and implications for human health.](#)

**Journal of translational medicine** , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

[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

[Energy-dense diet triggers changes in gut microbiota, reorganization of gut-brain vagal communication and increases body fat accumulation](#)

**Acta neurobiologiae experimentalis** , Volume: 77 Issue: 1 2017

Authors Vaughn AC,Cooper EM,DiLorenzo PM,O'Loughlin LJ,Konkel ME,Peters JH,Hajnal A,Sen T,Lee SH,de La Serre CB,Czaja K  
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

Evaluation of Phenolic Compounds and Antioxidant and Antimicrobial Activities of Some Common Herbs.

**International journal of analytical chemistry** , Volume: 2017 2017

Authors Abdul Qadir M,Shahzadi SK,Bashir A,Munir A,Shahzad S

Consumption of a diet rich in Brassica vegetables is associated with a reduced abundance of sulphate-reducing bacteria: A randomised crossover study.

**Molecular nutrition & food research** , Volume: 61 Issue: 9 2017 Sep

Authors Kellingray L,Tapp HS,Saha S,Doleman JF,Narbad A,Mithen RF

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

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

Authors Abu Hafsa SH,Ibrahim SA

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

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

Apple Polysaccharide inhibits microbial dysbiosis and chronic inflammation and modulates gut permeability in HFD-fed rats.

**International journal of biological macromolecules** , Volume: 99 2017 Jun

Authors Wang S,Li Q,Zang Y,Zhao Y,Liu N,Wang Y,Xu X,Liu L,Mei Q

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

Of the milk sugars, galactose, but not prebiotic galacto-oligosaccharide, improves insulin sensitivity in male Sprague-Dawley rats.

**PLoS one** , Volume: 12 Issue: 2 2017

Authors Stahel P,Kim JJ,Xiao C,Cant JP

Synergistic activity of sub-inhibitory concentrations of curcumin with ceftazidime and ciprofloxacin against Pseudomonas aeruginosa quorum sensing related genes and virulence traits.

**World journal of microbiology & biotechnology** , Volume: 33 Issue: 3 2017 Mar

Authors Roudashti S,Zeighami H,Mirshahabi H,Bahari S,Soltani A,Haghi F

Kodo millet whole grain and bran supplementation prevents high-fat diet induced derangements in a lipid profile, inflammatory status and gut bacteria in mice.

**Food & function** , Volume: 8 Issue: 3 2017 Mar 22

Authors Sarma SM,Khare P,Jagtap S,Singh DP,Baboota RK,Podili K,Boparai RK,Kaur J,Bhutani KK,Bishnoi M,Kondepudi KK

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

[Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.](#)

**Journal of dairy science** , Volume: 100 Issue: 4 2017 Apr

Authors Boudry G, Hamilton MK, Chichlowski M, Wickramasinghe S, Barile D, Kalanetra KM, Mills DA, Raybould HE

[Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier](#)

**World Journal of Gastroenterology** , Volume: 23 Issue: 1 2017 Jan 7

Authors Zhou D, Pan Q, Xin FZ, Zhang RN, He CX, Chen GY, Liu C, Chen YW, Fan JG

[Etiologies of community-onset urinary tract infections requiring hospitalization and antimicrobial susceptibilities of causative microorganisms.](#)

**Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , Volume: 50 Issue: 6 2017 Dec

Authors Chiu CC, Lin TC, Wu RX, Yang YS, Hsiao PJ, Lee Y, Lin JC, Chang FY

[Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals.](#)

**Proceedings of the National Academy of Sciences of the United States of America** , Volume: 114 Issue: 3 2017 Jan 17

Authors Azcarate-Peril MA, Ritter AJ, Savaiano D, Monteagudo-Mera A, Anderson C, Magness ST, Klaenhammer TR

[A metagenomic study of the preventive effect of Lactobacillus rhamnosus GG on intestinal polyp formation in Apc<sup>Min/+</sup> mice.](#)

**Journal of applied microbiology** , Volume: 122 Issue: 3 2017 Mar

Authors Ni Y, Wong VH, Tai WC, Li J, Wong WY, Lee MM, Fong FL, El-Nezami H, Panagiotou G

[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 Garcia G, Dogi C, de Moreno de LeBlanc A, Greco C, Cavaglieri L

[Oligofructose as an adjunct in treatment of diabetes in NOD mice.](#)

**Scientific reports** , Volume: 6 2016 Nov 22

Authors Chan C, Hyslop CM, Shrivastava V, Ochoa A, Reimer RA, Huang C

[Veggies and Intact Grains a Day Keep the Pathogens Away.](#)

**Cell** , Volume: 167 Issue: 5 2016 Nov 17

Authors Gazzaniga FS, Kasper DL

[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

[Fucosyllactose and L-fucose utilization of infant Bifidobacterium longum and Bifidobacterium kashiwanohense.](#)

**BMC microbiology** , Volume: 16 Issue: 1 2016 Oct 26

Authors Bunesova V, Lacroix C, Schwab C

[Unusual sub-genus associations of faecal Prevotella and Bacteroides with specific dietary patterns.](#)

**Microbiome** , Volume: 4 Issue: 1 2016 Oct 21

Authors De Filippis F, Pellegrini N, Laghi L, Gobbetti M, Ercolini D

[Oral supplementation of healthy adults with 2'-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.](#)

**The British journal of nutrition** , Volume: 116 Issue: 8 2016 Oct

Authors Elison E, Vigsnaes LK, Rindom Krogsgaard L, Rasmussen J, Sørensen N, McConnell B, Hennem T, Sommer MO, Bytzer P

[Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.](#)

**Scientific reports** , Volume: 6 2016 Oct 3

Authors Smith-Brown P, Morrison M, Krause L, Davies PS

[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,Ervolino E,Palioto DB,Souza SL,Taba M Jr,Novaeas AB Jr,Messora MR

[Draft Genome Sequence of Klebsiella pneumoniae Strain AS Isolated from Zhejiang Provincial Hospital of TCM, China.](#)

**Genome announcements** , Volume: 4 Issue: 5 2016 Sep 22

Authors Yang XJ,Wang S,Cao JM,Hou JH

[Apple peel polyphenols: a key player in the prevention and treatment of experimental inflammatory bowel disease.](#)

**Clinical science (London, England : 1979)** , Volume: 130 Issue: 23 2016 Dec 1

Authors Denis MC,Roy D,Yeganeh PR,Desjardins Y,Varin T,Haddad N,Amre D,Sané AT,Garofalo C,Furtos A,Patey N,Delvin E,Tremblay E,Marette A,Beaulieu JF,Levy E

[The Human Milk Oligosaccharide 2'-Fucosyllactose Quenches Campylobacter jejuni-Induced Inflammation in Human Epithelial Cells HEP-2 and HT-29 and in Mouse Intestinal Mucosa.](#)

**The Journal of nutrition** , Volume: 146 Issue: 10 2016 Oct

Authors Yu ZT,Nanthakumar NN,Newburg DS

[Effects of different diets on intestinal microbiota and nonalcoholic fatty liver disease development.](#)

**World journal of gastroenterology** , Volume: 22 Issue: 32 2016 Aug 28

Authors Liu JP,Zou WL,Chen SJ,Wei HY,Yin YN,Zou YY,Lu FG

[Consumption of a high-fat diet alters the seminal fluid and gut microbiomes in male mice.](#)

**Reproduction, fertility, and development** , Volume: 29 Issue: 8 2017 Aug

Authors Javurek AB,Spollen WG,Johnson SA,Bivens NJ,Bromert KH,Givan SA,Rosenfeld CS

[Iron Fortification of Foods for Infants and Children in Low-Income Countries: Effects on the Gut Microbiome, Gut Inflammation, and Diarrhea.](#)

**Nutrients** , Volume: 8 Issue: 8 2016 Aug 12

Authors Paganini D,Uyoga MA,Zimmermann MB

[Non-absorbable apple procyanidins prevent obesity associated with gut microbial and metabolomic changes.](#)

**Scientific reports** , Volume: 6 2016 Aug 10

Authors Masumoto S,Terao A,Yamamoto Y,Mukai T,Miura T,Shoji T

[Association of Intestinal Microbiota with Metabolic Markers and Dietary Habits in Patients with Type 2 Diabetes.](#)

**Digestion** , Volume: 94 Issue: 2 2016

Authors Yamaguchi Y,Adachi K,Sugiyama T,Shimozato A,Ebi M,Ogasawara N,Funaki Y,Goto C,Sasaki M,Kasugai K

[An ATP Binding Cassette Transporter Mediates the Uptake of  \$\alpha\$ -\(1,6\)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.](#)

**The Journal of biological chemistry** , Volume: 291 Issue: 38 2016 Sep 16

Authors Ejby M,Fredslund F,Andersen JM,Vujcic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M

[Antimicrobial effects of Lactobacillus plantarum and Lactobacillus acidophilus against multidrug-resistant enteroaggregative Escherichia coli.](#)

**International journal of antimicrobial agents** , Volume: 48 Issue: 3 2016 Sep

Authors Kumar M,Dhaka P,Vijay D,Vergis J,Mohan V,Kumar A,Kurkure NV,Barbuddhe SB,Malik SV,Rawool DB

[Dietary Casein and Soy Protein Isolate Modulate the Effects of Raffinose and Fructooligosaccharides on the Composition and Fermentation of Gut Microbiota in Rats.](#)

**Journal of food science** , Volume: 81 Issue: 8 2016 Aug

Authors Bai G,Ni K,Tsuruta T,Nishino N

[In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.](#)

**Journal of intercultural ethnopharmacology** , Volume: 5 Issue: 3 2016 Jun-Aug

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

[Curcumin protects mice from Staphylococcus aureus pneumonia by interfering with the self-assembly process of  \$\alpha\$ -hemolysin.](#)

**Scientific reports** , Volume: 6 2016 Jun 27

Authors Wang J,Zhou X,Li W,Deng X,Deng Y,Niu X

[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

[Prevalence and Antimicrobial Resistance Patterns of Diarrheagenic Escherichia coli in Shanghai, China.](#)

**The Pediatric infectious disease journal , Volume: 35 Issue: 8 2016 Aug**

Authors Huang Z,Pan H,Zhang P,Cao X,Ju W,Wang C,Zhang J,Meng J,Yuan Z,Xu X

[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

[Lingonberries alter the gut microbiota and prevent low-grade inflammation in high-fat diet fed mice.](#)

**Food & nutrition research , Volume: 60 2016**

Authors Heyman-Lindén L,Kotowska D,Sand E,Bjursell M,Plaza M,Turner C,Holm C,Fåk F,Berger K

[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

[Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat`s tissue homogenate.](#)

**Pakistan journal of pharmaceutical sciences , Volume: 29 Issue: 2 2016 Mar**

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

[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

[Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.](#)

**Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec**

Authors Berding K,Wang M,Monaco MH,Alexander LS,Mudd AT,Chichowski M,Waworuntu RV,Berg BM,Miller MJ,Dilger RN,Donovan SM

[Antimicrobial activities of six essential oils commonly used as condiments in Brazil against Clostridium perfringens.](#)

**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 47 Issue: 2 2016 Apr-Jun**

Authors Radaelli M,da Silva BP>Weidlich L,Hoehne L,Flach A,da Costa LA,Ethur EM

[In vitro extraction and fermentation of polyphenols from grape seeds \(Vitis vinifera\) by human intestinal microbiota.](#)

**Food & function , Volume: 7 Issue: 4 2016 Apr**

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

[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,Szwengiel A,Górecka D,Gujaska E,Kaczkowska J,Drozdzyńska A,Walkowiak J

[A comparison of the gut microbiome between long-term users and non-users of proton pump inhibitors.](#)

**Alimentary pharmacology & therapeutics , Volume: 43 Issue: 9 2016 May**

Authors Clooney AG,Bernstein CN,Leslie WD,Vagianos K,Sargent M,Laserna-Mendieta EJ,Claesson MJ,Targownik LE

[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

Lingonberries reduce atherosclerosis in Apoe(-/-) mice in association with altered gut microbiota composition and improved lipid profile.**Molecular nutrition & food research** , Volume: 60 Issue: 5 2016 May

Authors Matziouridou C,Marungruang N,Nguyen TD,Nyman M,Fåk F

Purification and characteristics of a novel bacteriocin produced by Enterococcus faecalis L11 isolated from Chinese traditional fermented cucumber.**Biotechnology letters** , Volume: 38 Issue: 5 2016 May

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

Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.**Gut** , Volume: 66 Issue: 5 2017 May

Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkourdos I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D

The Colonic Microbiome and Epithelial Transcriptome Are Altered in Rats Fed a High-Protein Diet Compared with a Normal-Protein Diet.**The Journal of nutrition** , Volume: 146 Issue: 3 2016 Mar

Authors Mu C,Yang Y,Luo Z,Guan L,Zhu W

High purity galacto-oligosaccharides enhance specific Bifidobacterium species and their metabolic activity in the mouse gut microbiome.**Beneficial microbes** , Volume: 7 Issue: 2 2016

Authors Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA

The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 (IBRC-M 10784) as Probiotic Bacteria in vitro.**Archives of Iranian medicine** , Volume: 19 Issue: 2 2016 Feb

Authors Mahboubi M,Kazempour N

Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.**Journal of dairy science** , Volume: 99 Issue: 3 2016 Mar

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

Antibacterial Activity of Probiotic Lactobacillus plantarum HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.**Probiotics and antimicrobial proteins** , Volume: 5 Issue: 2 2013 Jun

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

Microbial Metabolism Shifts Towards an Adverse Profile with Supplementary Iron in the TIM-2 In vitro Model of the Human Colon.**Frontiers in microbiology** , Volume: 6 2015

Authors Kortman GA,Dutilh BE,Maathuis AJ,Engelke UF,Boekhorst J,Keegan KP,Nielsen FG,Betley J,Weir JC,Kingsbury Z,Kluijtmans LA,Swinkels DW,Venema K,Tjalsma H

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

Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets.**The Journal of nutrition** , Volume: 146 Issue: 2 2016 Feb

Authors Jacobi SK,Yatsunenko T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J

Evidence for synergistic activity of plant-derived essential oils against fungal pathogens of food.**Food microbiology** , Volume: 53 Issue: Pt B 2016 Feb

Authors Hossain F,Follett P,Dang Vu K,Harich M,Salmieri S,Lacroix M

CHEMICAL COMPOSITION AND ANTIBACTERIAL ACTIVITY OF SOME MEDICINAL PLANTS FROM LAMIACEAE FAMILY.**Acta poloniae pharmaceutica** , Volume: 72 Issue: 4 2015 Jul-Aug

Authors Kozłowska M, Laudy AE, Przybył J, Ziarno M, Majewska E

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

Role of colonic microbiota in colorectal carcinogenesis: a systematic review.**Revista española de enfermedades digestivas** , Volume: 107 Issue: 11 2015 Nov

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

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

Table grape consumption reduces adiposity and markers of hepatic lipogenesis and alters gut microbiota in butter fat-fed mice.**The Journal of nutritional biochemistry** , Volume: 27 2016 Jan

Authors Baldwin J, Collins B, Wolf PG, Martinez K, Shen W, Chuang CC, Zhong W, Cooney P, Cockrell C, Chang E, Gaskins HR, McIntosh MK

Enhanced butyrate formation by cross-feeding between *Faecalibacterium prausnitzii* and *Bifidobacterium adolescentis*.**FEMS microbiology letters** , Volume: 362 Issue: 21 2015 Nov

Authors Rios-Covian D, Gueimonde M, Duncan SH, Flint HJ, de los Reyes-Gavilan CG

[Effect of probiotic product containing bifidobacteria and bioigel from brown algae on the intestinal microflora and parameters of innate immunity in mice with experimental drug dysbacteriosis].**Voprosy pitaniia** , Volume: 84 Issue: 1 2015

Authors Kuznetsova TA, Makarenkova ID, Koneva EL, Aminina NM, Yakush EV

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, Montemurno E, Vannini L, Cosola C, Cavallo N, Gozzi G, Maranzano V, Di Cagno R, Gobbetti M, Gesualdo L

[Grape seed proanthocyanidin extracts inhibit lipopolysaccharide of *Porphyromonas gingivalis*].**Shanghai kou qiang yi xue = Shanghai journal of stomatology** , Volume: 24 Issue: 4 2015 Aug

Authors Ci XK, Chen LP, Ou XY

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

Influence of diet and spiramycin on *Actinomyces viscosus*-associated experimental periodontitis.**Newsletter (International Academy of Periodontology)** , Volume: 2 Issue: 1 1992 Mar

Authors Keyes PH, Rams TE, Jordan HV

[Probiotic Bifidobacterium longum alters gut luminal metabolism through modification of the gut microbial community.](#)

**Scientific reports** , Volume: 5 2015 Aug 28

Authors Sugahara H, Odamaki T, Fukuda S, Kato T, Xiao JZ, Abe F, Kikuchi J, Ohno H

[\[Lactobacillus rhamnosus GG inhibits Cronobacter-induced meningitis in neonatal rats\].](#)

**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

[Characterization of the Intestinal Lactobacilli Community following Galactooligosaccharides and Polydextrose](#)

[Supplementation in the Neonatal Piglet.](#)

**PloS one** , Volume: 10 Issue: 8 2015

Authors Hoeflinger JL, Kashtanov DO, Cox SB, Dowd SE, Jouni ZE, Donovan SM, Miller MJ

[Effect of starch source \(corn, oats or wheat\) and concentration on fermentation by equine faecal microbiota in vitro.](#)

**Journal of applied microbiology** , Volume: 119 Issue: 5 2015 Nov

Authors Harlow BE, Donley TM, Lawrence LM, Flythe MD

[In vitro and in vivo examination of anticolonization of pathogens by Lactobacillus paracasei FJ861111.1.](#)

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

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

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

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

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

[Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.](#)

**Biology of sex differences** , Volume: 6 2015

Authors Shastri P, McCarville J, Kalmokoff M, Brooks SP, Green-Johnson JM

[Effect of daily intake of pomegranate juice on fecal microbiota and feces metabolites from healthy volunteers.](#)

**Molecular nutrition & food research** , Volume: 59 Issue: 10 2015 Oct

Authors Mosele JI, Gosalbes MJ, Macià A, Rubió L, Vázquez-Castellanos JF, Jiménez Hernández N, Moya A, Latorre A, Motilva MJ

[The Role of Curcumin in Modulating Colonic Microbiota During Colitis and Colon Cancer Prevention.](#)

**Inflammatory bowel diseases** , Volume: 21 Issue: 11 2015 Nov

Authors McFadden RM, Larmonier CB, Shehab KW, Midura-Kiela M, Ramalingam R, Harrison CA, Besselsen DG, Chase JH, Caporaso JG, Jobin C, Ghishan FK, Kiela PR

[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

[Gelucire-Based Nanoparticles for Curcumin Targeting to Oral Mucosa: Preparation, Characterization, and Antimicrobial Activity Assessment.](#)

**Journal of pharmaceutical sciences** , Volume: 104 Issue: 11 2015 Nov

Authors Hazzah HA, Farid RM, Nasra MMA, Hazzah WA, El-Massik MA, Abdallah OY

[Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.](#)

**Food & function** , Volume: 6 Issue: 8 2015 Aug

Authors Li Z, Henning SM, Lee RP, Lu QY, Summanen PH, Thames G, Corbett K, Downes J, Tseng CH, Finegold SM, Heber D

[Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.](#)

**Molecular nutrition & food research** , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y, Nyman M, Fåk F

[Wheat and barley differently affect porcine intestinal microbiota.](#)

**Journal of the science of food and agriculture** , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E, Aumiller T, Spindler HK, Rosenfelder P, Eklund M, Witzig M, Jørgensen H, Bach Knudsen KE, Mosenthin R

[In vitro 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

[In vitro characterisation of the fermentation profile and prebiotic capacity of gold-fleshed kiwifruit.](#)

**Beneficial microbes** , Volume: 6 Issue: 6 2015

Authors Blatchford P, Bentley-Hewitt KL, Stoklosinski H, McGhie T, Gearry R, Gibson G, Ansell J

[In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.](#)

**Journal of microbiology and biotechnology** , Volume: 25 Issue: 9 2015 Sep

Authors Jung TH, Jeon WM, Han KS

[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

[Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.](#)

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

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

[Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.](#)

**Anaerobe** , Volume: 34 2015 Aug

Authors Li Z, Summanen PH, Komoriya T, Henning SM, Lee RP, Carlson E, Heber D, Finegold SM

[Interactions between Diet, Bile Acid Metabolism, Gut Microbiota, and Inflammatory Bowel Diseases.](#)

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

Authors Devkota S, Chang EB

[Antimicrobial activity and antibiotic susceptibility of \*Lactobacillus\* and \*Bifidobacterium\* spp. intended for use as starter and probiotic cultures.](#)

**Biotechnology, biotechnological equipment** , Volume: 29 Issue: 1 2015 Jan 2

Authors Georgieva R, Yocheva L, Tserovska L, Zhelezova G, Stefanova N, Atanasova A, Danguleva A, Ivanova G, Karapetkov N, Rumyan N, Karaivanova E

[Review article: dietary fibre-microbiota interactions.](#)

**Alimentary pharmacology & therapeutics** , Volume: 42 Issue: 2 2015 Jul

Authors Simpson HL, Campbell BJ

[Effectiveness of inactivation of foodborne pathogens during simulated home pan frying of steak, hamburger or meat strips.](#)

**International journal of food microbiology** , Volume: 206 2015 Aug 3

Authors Lahou E, Wang X, De Boeck E, Verguldt E, Geeraerd A, Devlieghere F, Uyttendaele M

[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

[Design of a papain immobilized antimicrobial food package with curcumin as a crosslinker.](#)

**PloS one** , Volume: 10 Issue: 4 2015

Authors Manohar CM, Prabhawathi V, Sivakumar PM, Doble M

[A study of the effect of dietary fiber fractions obtained from artichoke \(\*Cynara cardunculus\* L. var. \*scolymus\*\) on the growth of intestinal bacteria associated with health.](#)

**Food & function** , Volume: 6 Issue: 5 2015 May

Authors Fissore EN, Santo Domingo C, Gerschenson LN, Giannuzzi L

[Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.](#)

**The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi** , Volume: 65 Issue: 4 2015 Apr

Authors Shadnough M, Hosseini RS, Khalilnezhad A, Navai L, Goudarzi H, Vaezjalali M

[Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets.](#)

**The British journal of nutrition** , Volume: 113 Issue: 10 2015 May 28

Authors Zhong Y, Marungruang N, Fåk F, Nyman M

[Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.](#)

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

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

[Effects of sub-lethal concentrations of thyme and oregano essential oils, carvacrol, thymol, citral and trans-2-hexenal on membrane fatty acid composition and volatile molecule profile of \*Listeria monocytogenes\*, \*Escherichia coli\* and \*Salmonella enteritidis\*.](#)

**Food chemistry** , Volume: 182 2015 Sep 1

Authors Siroli L, Patrignani F, Gardini F, Lanciotti R

[Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.](#)

**International journal of food microbiology** , Volume: 202 2015 Jun 2

Authors Akdemir Evrendilek G

Inhibition of adhesion of intestinal pathogens (Escherichia coli, Vibrio cholerae, Campylobacter jejuni, and Salmonella Typhimurium) by common oligosaccharides.

**Foodborne pathogens and disease** , Volume: 12 Issue: 4 2015 Apr

Authors Wang S,Wang J,Mou H,Luo B,Jiang X

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

High amount of dietary fiber not harmful but favorable for Crohn disease.

**The Permanente journal** , Volume: 19 Issue: 1 2015 Winter

Authors Chiba M,Tsujii T,Nakane K,Komatsu M

In vitro fermentation of fructooligosaccharides with human gut bacteria.

**Food & function** , Volume: 6 Issue: 3 2015 Mar

Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.

**Beneficial microbes** , Volume: 6 Issue: 4 2015

Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.

**Journal of pediatric gastroenterology and nutrition** , Volume: 60 Issue: 6 2015 Jun

Authors Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM

Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber.

**The American journal of clinical nutrition** , Volume: 101 Issue: 2 2015 Feb

Authors Vitaglione P,Mennella I,Ferracane R,Rivellese AA,Giacco R,Ercolini D,Gibbons SM,La Stora A,Gilbert JA,Jonnalagadda S,Thielecke F,Gallo MA,Scalfi L,Fogliano V

Phenotypic and Molecular Characterization of Extended-Spectrum  $\beta$ -Lactamase Produced by Escherichia coli, and Klebsiella pneumoniae Isolates in an Educational Hospital.

**Jundishapur journal of microbiology** , Volume: 7 Issue: 10 2014 Oct

Authors Gholipour A,Soleimani N,Shokri D,Mobasherizadeh S,Kardi M,Baradaran A

[Clinical benefits after soluble dietary fiber supplementation: a randomized clinical trial in adults with slow-transit constipation].

**Zhonghua yi xue za zhi** , Volume: 94 Issue: 48 2014 Dec 30

Authors Xu L,Yu W,Jiang J,Li N

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,Colombi 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

Metagenomic insights into the effects of fructo-oligosaccharides (FOS) on the composition of fecal microbiota in mice.

**Journal of agricultural and food chemistry** , Volume: 63 Issue: 3 2015 Jan 28

Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W

Nature of the antimicrobial activity of Lactobacillus casei, Bifidobacterium bifidum and Bifidobacterium animalis against foodborne pathogenic and spoilage microorganisms.

**Natural product research** , Volume: 29 Issue: 22 2015

Authors de Oliveira CP,da Silva JA,de Siqueira-Júnior JP

In situ prebiotics for weaning piglets: in vitro production and fermentation of potato galacto-rhamnogalacturonan.

**Applied and environmental microbiology** , Volume: 81 Issue: 5 2015 Mar

Authors Strube ML,Ravn HC,Ingerslev HC,Meyer AS,Boye M

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

Metatranscriptomic analyses of plant cell wall polysaccharide degradation by microorganisms in the cow rumen.

**Applied and environmental microbiology** , Volume: 81 Issue: 4 2015 Feb

*Authors Dai X,Tian Y,Li J,Luo Y,Liu D,Zheng H,Wang J,Dong Z,Hu S,Huang L*

[Characterization and determination of antibiotic resistance profiles of a single clone *Acinetobacter baumannii* strains isolated from blood cultures].

**Mikrobiyoloji bulteni** , Volume: 48 Issue: 4 2014 Oct

*Authors Karagöz A,Baran I,Aksu N,Acar S,Durmaz R*

[Risk factors and antibiotic use in methicillin-resistant *Staphylococcus aureus* bacteremia in hospitalized patients at Hacettepe University Adult and Oncology Hospitals (2004-2011) and antimicrobial susceptibilities of the isolates: a nested case-control study].

**Mikrobiyoloji bulteni** , Volume: 48 Issue: 4 2014 Oct

*Authors Atmaca O,Zarakolu P,Karahan C,Cakir B,Unal S*

Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.

**PloS one** , Volume: 9 Issue: 11 2014

*Authors Koleva P,Ketabi A,Valcheva R,Gänzle MG,Dieleman LA*

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*

The probiotic *Bifidobacterium breve* B632 inhibited the growth of Enterobacteriaceae within colicky infant microbiota cultures.

**BioMed research international** , Volume: 2014 2014

*Authors Simone M,Gozzoli C,Quartieri A,Mazzola G,Di Gioia D,Amaretti A,Raimondi S,Rossi M*

Prebiotic effect of an infant formula supplemented with galacto-oligosaccharides: randomized multicenter trial.

**Journal of the American College of Nutrition** , Volume: 33 Issue: 5 2014

*Authors Giovannini M,Verduci E,Gregori D,Ballali S,Soldi S,Ghisleni D,Riva E,PLAGOS Trial Study Group.*

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*

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*

Retardation of *Listeria monocytogenes* growth in mozzarella cheese using antimicrobial sachets containing rosemary oil and thyme oil.

**Journal of food science** , Volume: 79 Issue: 11 2014 Nov

*Authors Han JH,Patel D,Kim JE,Min SC*

Total Phenolic Content and Antibacterial Activity of Five Plants of Labiatae against Four Foodborne and Some Other Bacteria.

**Iranian journal of pharmaceutical research : IJPR** , Volume: 13 Issue: 2 2014 Spring

*Authors Mahboubi A,Kamalinejad M,Ayatollahi AM,Babaeian M*

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*

Long-term intake of a high prebiotic fiber diet but not high protein reduces metabolic risk after a high fat challenge and uniquely alters gut microbiota and hepatic gene expression.

**Nutrition research (New York, N.Y.)** , Volume: 34 Issue: 9 2014 Sep

*Authors Saha DC,Reimer RA*

Iron fortification adversely affects the gut microbiome, increases pathogen abundance and induces intestinal inflammation in Kenyan infants.

**Gut** , Volume: 64 Issue: 5 2015 May

*Authors Jaeggi T,Kortman GA,Moretti D,Chassard C,Holding P,Dostal A,Boekhorst J,Timmerman HM,Swinkels DW,Tjalsma H,Njenga J,Mwangi A,Kvalsvig J,Lacroix C,Zimmermann MB*

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  
Effect of traditional leafy vegetables on the growth of lactobacilli and bifidobacteria.
- International journal of food sciences and nutrition** , Volume: 65 Issue: 8 2014 Dec  
 Authors Kassim MA,Bajjnath H,Odhav B  
Effect of Feeding Bacillus subtilis natto on Hindgut Fermentation and Microbiota of Holstein Dairy Cows.
- Asian-Australasian journal of animal sciences** , Volume: 27 Issue: 4 2014 Apr  
 Authors Song DJ,Kang HY,Wang JQ,Peng H,Bu DP  
Cereal byproducts have prebiotic potential in mice fed a high-fat diet.
- Journal of agricultural and food chemistry** , Volume: 62 Issue: 32 2014 Aug 13  
 Authors Berger K,Falck P,Linninge C,Nilsson U,Axling U,Grey C,Stålbrand H,Nordberg Karlsson E,Nyman M,Holm C,Adlercreutz P  
Effect of oral consumption of probiotic Lactobacillus plantarum 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  
In vitro activity of curcumin in combination with epigallocatechin gallate (EGCG) versus multidrug-resistant Acinetobacter baumannii.
- BMC microbiology** , Volume: 14 2014 Jun 27  
 Authors Betts JW,Wareham DW  
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  
Bacteriologic profile and antibiogram of blood culture isolates from a children`s hospital in Kabul.
- Journal of the College of Physicians and Surgeons—Pakistan : JCPSP** , Volume: 24 Issue: 6 2014 Jun  
 Authors Tariq TM  
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  
Exploring the effects of galacto-oligosaccharides on the gut microbiota of healthy adults receiving amoxicillin treatment.
- The British journal of nutrition** , Volume: 112 Issue: 4 2014 Aug 28  
 Authors Ladirat SE,Schoterman MH,Rahaoui H,Mars M,Schuren FH,Gruppen H,Nauta A,Schols HA  
Efficacy of Papacarie® in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.
- Clinics (Sao Paulo, Brazil)** , Volume: 69 Issue: 5 2014  
 Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MIF  
Effects of probiotics on the growth performance and intestinal micro flora of broiler chickens.
- Pakistan journal of pharmaceutical sciences** , Volume: 27 Issue: 3 Suppl 2014 May  
 Authors Li YB,Xu QQ,Yang CJ,Yang X,Lv L,Yin CH,Liu XL,Yan H  
In vitro assessment of marine Bacillus for use as livestock probiotics.
- Marine drugs** , Volume: 12 Issue: 5 2014 Apr 30  
 Authors Prieto ML,O` Sullivan L,Tan SP,McLoughlin P,Hughes H,Gutierrez M,Lane JA,Hickey RM,Lawlor PG,Gardiner GE  
Combinatorial antimicrobial effect of curcumin with selected phytochemicals on Staphylococcus epidermidis.
- Journal of Asian natural products research** , Volume: 16 Issue: 5 2014  
 Authors Sharma G,Raturi K,Dang S,Gupta S,Gabrani R  
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

[Evaluation of the efficacy and safety of a marine-derived Bacillus strain for use as an in-feed probiotic for newly weaned pigs.](#)

**PloS one** , Volume: 9 Issue: 2 2014

Authors Prieto ML,O'Sullivan L,Tan SP,McLoughlin P,Hughes H,O'Donovan O,Rea MC,Kent RM,Cassidy JP,Gardiner GE,Lawlor PG

[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

[Multi-drug resistant gram-negative enteric bacteria isolated from flies at Chengdu Airport, China.](#)

**The Southeast Asian journal of tropical medicine and public health** , Volume: 44 Issue: 6 2013 Nov

Authors Liu Y,Yang Y,Zhao F,Fan X,Zhong W,Qiao D,Cao Y

[Lactobacillus paracasei subsp. paracasei LC01 positively modulates intestinal microflora in healthy young adults.](#)

**Journal of microbiology (Seoul, Korea)** , Volume: 51 Issue: 6 2013 Dec

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

[Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.](#)

**Clinical nutrition (Edinburgh, Scotland)** , Volume: 33 Issue: 6 2014 Dec

Authors Majid HA,Cole J,Emery PW,Whelan K

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

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

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

[In vitro anti-bacterial and anti-adherence effects of Lactobacillus delbrueckii subsp bulgaricus on Escherichia coli.](#)

**Research in pharmaceutical sciences** , Volume: 8 Issue: 4 2013 Oct

Authors Abedi D,Feizizadeh S,Akbari V,Jafarian-Dehkordi A

[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

[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

[Antimicrobial activity of essential oils against vancomycin-resistant enterococci \(vre\) and Escherichia coli o157:h7 in feta soft cheese and minced beef meat.](#)

**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology]** , Volume: 42 Issue: 1 2011 Jan

Authors Selim S

[High-fat diet alters gut microbiota physiology in mice.](#)

**The ISME journal** , Volume: 8 Issue: 2 2014 Feb

Authors Daniel H,Gholami AM,Berry D,Desmarchelier C,Hahne H,Loh G,Mondot S,Lepage P,Rothballer M,Walker A,Böhm C,Wenning M,Wagner M,Blaut M,Schmitt-Kopplin P,Kuster B,Haller D,Clavel T

[Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.](#)

**Glycobiology** , Volume: 23 Issue: 11 2013 Nov

Authors Yu ZT,Chen C,Newburg DS

[Kiwifruit \(Actinidia deliciosa\) changes intestinal microbial profile.](#)

**Microbial ecology in health and disease** , Volume: 23 2012

Authors Lee YK,Low KY,Siah K,Drummond LM,Gwee KA

[Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.](#)

**Molecular nutrition & food research** , Volume: 57 Issue: 12 2013 Dec

Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

[Effects of dietary supplementation of Bacillus amyloliquefaciens CECT 5940 and Enterococcus faecium CECT 4515 in adult healthy dogs.](#)

**Archives of animal nutrition** , Volume: 67 Issue: 5 2013

Authors González-Ortiz G,Castillejos L,Mallo JJ,Àngels Calvo-Torras M,Dolores Baucells M

[Effects of micronized okara dietary fiber on cecal microbiota, serum cholesterol and lipid levels in BALB/c mice.](#)

**International journal of food sciences and nutrition** , Volume: 64 Issue: 8 2013 Dec

Authors Li T,Zhong JZ,Wan J,Liu CM,Le BY,Liu W,Fu GM

[Lowbush wild blueberries have the potential to modify gut microbiota and xenobiotic metabolism in the rat colon.](#)

**PLoS one** , Volume: 8 Issue: 6 2013

Authors Lacombe A,Li RW,Klimis-Zacas D,Kristo AS,Tadepalli S,Krauss E,Young R,Wu VC

[Effects of microencapsulated \*Enterococcus faecalis\* CG1.0007 on growth performance, antioxidation activity, and intestinal microbiota in broiler chickens.](#)

**Journal of animal science** , Volume: 91 Issue: 9 2013 Sep

Authors Han W,Zhang XL,Wang DW,Li LY,Liu GL,Li AK,Zhao YX

[Intestinal microbiology in early life: specific prebiotics can have similar functionalities as human-milk oligosaccharides.](#)

**The American journal of clinical nutrition** , Volume: 98 Issue: 2 2013 Aug

Authors Oozeer R,van Limpt K,Ludwig T,Ben Amor K,Martin R,Wind RD,Boehm G,Knol J

[Fiber and prebiotics: mechanisms and health benefits.](#)

**Nutrients** , Volume: 5 Issue: 4 2013 Apr 22

Authors Slavin J

[Inulin-type fructans with different degrees of polymerization improve lipid metabolism but not glucose metabolism in rats fed a high-fat diet under energy restriction.](#)

**Digestive diseases and sciences** , Volume: 58 Issue: 8 2013 Aug

Authors Han KH,Tsuchihira H,Nakamura Y,Shimada K,Ohba K,Aritsuka T,Uchino H,Kikuchi H,Fukushima M

[Influence of coffee \(\*Coffea arabica\*\) and galacto-oligosaccharide consumption on intestinal microbiota and the host responses.](#)

**FEMS microbiology letters** , Volume: 343 Issue: 2 2013 Jun

Authors Nakayama T,Oishi K

[Impact of \*Bifidobacterium bifidum\* MIMBb75 on mouse intestinal microorganisms.](#)

**FEMS microbiology ecology** , Volume: 85 Issue: 2 2013 Aug

Authors Singh N,Arioli S,Wang A,Villa CR,Jahani R,Song YS,Mora D,Guglielmetti S,Comelli EM

[Antibacterial activity and mode of action of ferulic and gallic acids against pathogenic bacteria.](#)

**Microbial drug resistance (Larchmont, N.Y.)** , Volume: 19 Issue: 4 2013 Aug

Authors Borges A,Ferreira C,Saavedra MJ,Simões M

[Comparative analysis of microbial profiles in cow rumen fed with different dietary fiber by tagged 16S rRNA gene pyrosequencing.](#)

**Current microbiology** , Volume: 67 Issue: 2 2013 Aug

Authors Thoetkiattikul H,Mhuantong W,Laathanachareon T,Tangphatsornruang S,Pattarajinda V,Eurwilaichitr L,Champreda V

[Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.](#)

**FEMS microbiology ecology** , Volume: 84 Issue: 3 2013 Jun

Authors Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS

[Metagenomic analyses of alcohol induced pathogenic alterations in the intestinal microbiome and the effect of \*Lactobacillus rhamnosus\* GG treatment.](#)

**PLoS one** , Volume: 8 Issue: 1 2013

Authors Bull-Otterson L,Feng W,Kirpich I,Wang Y,Qin X,Liu Y,Gobejishvili L,Joshi-Barve S,Ayvaz T,Petrosino J,Kong M,Barker D,McClain C,Barve S

[The inhibitory effect of polyphenols on human gut microbiota.](#)

**Journal of physiology and pharmacology : an official journal of the Polish Physiological Society** , Volume: 63 Issue: 5 2012 Oct

Authors Duda-Chodak A

[In vitro fermentation of commercial  \$\alpha\$ -gluco-oligosaccharide by faecal microbiota from lean and obese human subjects.](#)

**The British journal of nutrition** , Volume: 109 Issue: 11 2013 Jun

Authors Sarbini SR,Kolida S,Gibson GR,Rastall RA

[Gut microbiome composition is linked to whole grain-induced immunological improvements.](#)

**The ISME journal** , Volume: 7 Issue: 2 2013 Feb

Authors Martinez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

[The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota.](#)

**Glycobiology** , Volume: 23 Issue: 2 2013 Feb

Authors Yu ZT,Chen C,Kling DE,Liu B,McCoy JM,Merighi M,Heidtman M,Newburg DS

[Chemical composition, olfactory analysis and antibacterial activity of \*Thymus vulgaris\* chemotypes geraniol, 4-thujanol/terpinen-4-ol, thymol and linalool cultivated in southern France.](#)

**Natural product communications , Volume: 7 Issue: 8 2012 Aug**

Authors Schmidt E,Wanner J,Hiiferl M,Jirovetz L,Buchbauer G,Gochev V,Girova T,Stoyanova A,Geissler M

Assessment of the in vitro inhibitory activity of specific probiotic bacteria against different Escherichia coli strains.

**Journal of clinical gastroenterology , Volume: 46 Suppl 2012 Oct**

Authors Mogna L,Del Piano M,Deidda F,Nicola S,Soattini L,Debiaggi R,Sforza F,Strozzi G,Mogna G

Effects of potato fiber and potato-resistant starch on biomarkers of colonic health in rats fed diets containing red meat.

**Journal of food science , Volume: 77 Issue: 10 2012 Oct**

Authors Paturi G,Nyanhanda T,Butts CA,Herath TD,Monro JA,Ansell J

The comparison of fluoroquinolones to nonfluoroquinolone antibacterial agents for the prevention of endophthalmitis in a rabbit model.

**Journal of ocular pharmacology and therapeutics : the official journal of the Association for Ocular Pharmacology and Therapeutics , Volume: 28 Issue: 6 2012 Dec**

Authors Kowalski RP,Romanowski EG,Shanks RM,Mah FS

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

Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.

**FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan**

Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C

Enzyme deactivation treatments did not decrease the beneficial role of oat food in intestinal microbiota and short-chain fatty acids: an in vivo study.

**Journal of the science of food and agriculture , Volume: 93 Issue: 3 2013 Feb**

Authors Hu X,Xing X,Zhen H

Effect of chito-oligosaccharide on growth performance, intestinal barrier function, intestinal morphology and cecal microflora in weaned pigs.

**Journal of animal science , Volume: 90 Issue: 8 2012 Aug**

Authors Yang CM,Ferket PR,Hong QH,Zhou J,Cao GT,Zhou L,Chen AG

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

Gaseous CO<sub>2</sub> signal initiates growth of butyric-acid-producing Clostridium butyricum in both pure culture and mixed cultures with Lactobacillus brevis.

**Canadian journal of microbiology , Volume: 58 Issue: 7 2012 Jul**

Authors Hakalehto E,Hänninen O

Synthesis and evaluation of antimicrobial activity of 4H-pyrimido[2,1-b]benzothiazole, pyrazole and benzylidene derivatives of curcumin.

**European journal of medicinal chemistry , Volume: 54 2012 Aug**

Authors Sahu PK,Sahu PK,Gupta SK,Thavaselvam D,Agarwal DD

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

The antimicrobial action of chitosan, low molar mass chitosan, and chito-oligosaccharides on human colonic bacteria.

**Folia microbiologica , Volume: 57 Issue: 4 2012 Jul**

Authors Simunek J,Brandysová V,Koppová I,Simunek J Jr

Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal

inflammation and Smad 7 cell signaling.

**FEMS immunology and medical microbiology** , Volume: 65 Issue: 3 2012 Aug

Authors Foye OT,Huang IF,Chiou CC,Walker WA,Shi HN

Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

**The Journal of nutrition** , Volume: 142 Issue: 4 2012 Apr

Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM

Changes in gut microbiota in children with atopic dermatitis administered the bacteria Lactobacillus casei DN-114001.

**Polish journal of microbiology** , Volume: 60 Issue: 4 2011

Authors Klewicka E,Cukrowska B,Libudzisz Z,Slizewska K,Motyl I

Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.

**The British journal of nutrition** , Volume: 108 Issue: 9 2012 Nov 14

Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA

Synergistic activity of coriander oil and conventional antibiotics against Acinetobacter baumannii.

**Phytomedicine : international journal of phytotherapy and phytopharmacology** , Volume: 19 Issue: 3-4 2012 Feb 15

Authors Duarte A,Ferreira S,Silva F,Domingues FC

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

The antimicrobial activity of essential oils and extracts of some medicinal plants grown in Ash-shoubak region - South of Jordan.

**Pakistan journal of pharmaceutical sciences** , Volume: 25 Issue: 1 2012 Jan

Authors Abu-Darwish MS,Al-Ramamneh EA,Kyslychenko VS,Karpiuk UV

Effect of the oral intake of yogurt containing Bifidobacterium longum BB536 on the cell numbers of enterotoxigenic Bacteroides fragilis in microbiota.

**Anaerobe** , Volume: 18 Issue: 1 2012 Feb

Authors Odamaki T,Sugahara H,Yonezawa S,Yaeshima T,Iwatsuki K,Tanabe S,Tominaga T,Togashi H,Benno Y,Xiao JZ

Influence of dietary blueberry and broccoli on cecal microbiota activity and colon morphology in mdr1a(-/-) mice, a model of inflammatory bowel diseases.

**Nutrition (Burbank, Los Angeles County, Calif.)** , Volume: 28 Issue: 3 2012 Mar

Authors Paturi G,Mandimika T,Butts CA,Zhu S,Roy NC,McNabb WC,Ansell J

Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut.

**Journal of agricultural and food chemistry** , Volume: 59 Issue: 24 2011 Dec 28

Authors Vendrame S,Guglielmetti S,Riso P,Arioli S,Klimis-Zacas D,Porrini M

The effect of probiotics on faecal microbiota and genotoxic activity of faecal water in patients with atopic dermatitis: a randomized, placebo-controlled study.

**Clinical nutrition (Edinburgh, Scotland)** , Volume: 31 Issue: 1 2012 Feb

Authors Roessler A,Forssten SD,Glei M,Ouwehand AC,Jahreis G

High-level dietary fibre up-regulates colonic fermentation and relative abundance of saccharolytic bacteria within the human faecal microbiota in vitro.

**European journal of nutrition** , Volume: 51 Issue: 6 2012 Sep

Authors Shen Q,Zhao L,Tuohy KM

Inhibition of growth of highly resistant bacterial and fungal pathogens by a natural product.

**The open microbiology journal** , Volume: 5 2011

Authors Hafidh RR,Abdulmir AS,Vern LS,Abu Bakar F,Abas F,Jahanshiri F,Sekawi Z

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

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

Authors Toroglu S

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

Effect of banana consumption on faecal microbiota: a randomised, controlled trial.

**Anaerobe** , Volume: 17 Issue: 6 2011 Dec

Authors Mitsou EK,Kougia E,Nomikos T,Yannakoulia M,Mountzouris KC,Kyriacou A

Antimicrobial activity of plant essential oils against bacterial and fungal species involved in food poisoning and/or food

decay.

**Roumanian archives of microbiology and immunology** , Volume: 69 Issue: 4 2010 Oct-Dec

*Authors Lixandru BE,Dracea NO,Dragomirescu CC,Dragulescu EC,Coldea IL,Anton L,Dobre E,Rovinaru C,Codita I*

Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.

**Pharmaceutical biology** , Volume: 49 Issue: 4 2011 Apr

*Authors Ozcelik B,Kartal M,Orhan I*

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

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

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

High-throughput method for comparative analysis of denaturing gradient gel electrophoresis profiles from human fecal samples reveals significant increases in two bifidobacterial species after inulin-type prebiotic intake.

**FEMS microbiology ecology** , Volume: 75 Issue: 2 2011 Feb

*Authors Joossens M,Huys G, Van Steen K,Cnockaert M,Vermeire S,Rutgeerts P,Verbeke K,Vandamme P,De Preter V*

Development of biosensor-based assays to identify anti-infective oligosaccharides.

**Analytical biochemistry** , Volume: 410 Issue: 2 2011 Mar 15

*Authors Lane JA,Mehra RK,Carrington SD,Hickey RM*

The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote d'Ivoire.

**The American journal of clinical nutrition** , Volume: 92 Issue: 6 2010 Dec

*Authors Zimmermann MB,Chassard C,Rohner F,N'goran EK,Nindjin C,Dostal A,Utzing J,Ghaffas H,Lacroix C,Hurrell RF*

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*

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

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

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

In vitro evaluation of the microbiota modulation abilities of different sized whole oat grain flakes.

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

*Authors Connolly ML,Lovegrove JA,Tuohy KM*

Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.

**Journal of animal science** , Volume: 88 Issue: 9 2010 Sep

*Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr*

The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota.

**International journal of food microbiology** , Volume: 140 Issue: 2-3 2010 Jun 15

*Authors Bialonska D,Ramnani P,Kasimsetty SG,Muntha KR,Gibson GR,Ferreira D*

Low levels of faecal lactobacilli in women with iron-deficiency anaemia in south India.

**The British journal of nutrition** , Volume: 104 Issue: 7 2010 Oct

*Authors Balamurugan R,Mary RR,Chittaranjan S,Jancy H,Shobana Devi R,Ramakrishna BS*

Consumption of human milk oligosaccharides by gut-related microbes.

**Journal of agricultural and food chemistry** , Volume: 58 Issue: 9 2010 May 12

*Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA*

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,Strozzii GP,Carlini N,Zervas G,Tsakalidou E*

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

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

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

Probiotics have clinical, microbiologic, and immunologic efficacy in acute infectious diarrhea.

**The Pediatric infectious disease journal** , Volume: 29 Issue: 2 2010 Feb

*Authors Chen CC,Kong MS,Lai MW,Chao HC,Chang KW,Chen SY,Huang YC,Chiu CH,Li WC,Lin PY,Chen CJ,Li TY*

Human gut bacterial communities are altered by addition of cruciferous vegetables to a controlled fruit- and vegetable-free diet.

**The Journal of nutrition** , Volume: 139 Issue: 9 2009 Sep

*Authors Li F,Hullar MA,Schwarz Y,Lampe JW*

Characterization and antimicrobial spectrum of bacteriocins produced by lactic acid bacteria isolated from traditional Bulgarian dairy products.

**Journal of applied microbiology** , Volume: 106 Issue: 2 2009 Feb

*Authors Simova ED,Beshkova DB,Dimitrov ZhP*

Splenda alters gut microflora and increases intestinal p-glycoprotein and cytochrome p-450 in male rats.

**Journal of toxicology and environmental health. Part A** , Volume: 71 Issue: 21 2008

*Authors Abou-Donia MB,E-Masry EM,Abdel-Rahman AA,McLendon RE,Schiffman SS*

In vitro effects of selected synbiotics on the human faecal microbiota composition.

**FEMS microbiology ecology** , Volume: 66 Issue: 3 2008 Dec

*Authors Saulnier DM,Gibson GR,Kolida S*

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*

Effect of thymol on microbial diversity in the porcine jejunum.

**International journal of food microbiology** , Volume: 126 Issue: 1-2 2008 Aug 15

*Authors Janczyk P,Trevisi P,Souffrant WB,Bosi P*

Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.

**Applied and environmental microbiology** , Volume: 74 Issue: 15 2008 Aug

*Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG*

In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.

**FEMS microbiology ecology** , Volume: 64 Issue: 3 2008 Jun

*Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA*

The antimicrobial efficacy of plant essential oil combinations and interactions with food ingredients.

**International journal of food microbiology** , Volume: 124 Issue: 1 2008 May 10

*Authors Gutierrez J,Barry-Ryan C,Bourke P*

Synergistic antibacterial activity between Thymus vulgaris and Pimpinella anisum essential oils and methanol extracts.

**Journal of ethnopharmacology** , Volume: 116 Issue: 3 2008 Mar 28

*Authors Al-Bayati FA*

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*

Oral administration of Bifidobacterium longum prevents gut-derived Pseudomonas aeruginosa sepsis in mice.

**Journal of applied microbiology** , Volume: 104 Issue: 3 2008 Mar

*Authors Matsumoto T,Ishikawa H,Tateda K,Yaeshima T,Ishibashi N,Yamaguchi K*

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*

Antimicrobial activity against gram negative bacilli from Yaounde Central Hospital, Cameroon.

**African health sciences** , Volume: 6 Issue: 4 2006 Dec

*Authors Gangoue-Pieboji J,Koulla-Shiro S,Ngassam P,Adiogo D,Ndumbe P*

Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.

**Journal of agricultural and food chemistry** , Volume: 55 Issue: 11 2007 May 30

*Authors López P,Sanchez C,Batlle R,Nerín C*

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

Physiological effects of extraction juices from apple, grape, and red beet pomaces in rats.

**Journal of agricultural and food chemistry** , Volume: 54 Issue: 26 2006 Dec 27

Authors Sembries S, Dongowski G, Mehrländer K, Will F, Dietrich H

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

Antagonistic activity of probiotic lactobacilli and bifidobacteria against entero- and uropathogens.

**Journal of applied microbiology** , Volume: 100 Issue: 6 2006 Jun

Authors Hütt P, Shchepetova J, Löivukene K, Kullisaar T, Mikelsaar M

Antimicrobial and antiplasmid activities of essential oils.

**Fitoterapia** , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z, Molnar J, Hohmann J

Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.

**Acta paediatrica (Oslo, Norway : 1992). Supplement** , Volume: 94 Issue: 449 2005 Oct

Authors Knol J, Boehm G, Lidestri M, Negretti F, Jelinek J, Agosti M, Stahl B, Marini A, Mosca F

Propolis: anti-Staphylococcus aureus activity and synergism with antimicrobial drugs.

**Memorias do Instituto Oswaldo Cruz** , Volume: 100 Issue: 5 2005 Aug

Authors Fernandes Júnior A, Balestrin EC, Betoni JE, Orsi Rde O, da Cunha Mde L, Montelli AC

Molecular and microbiological analysis of caecal microbiota in rats fed with diets supplemented either with prebiotics or probiotics.

**International journal of food microbiology** , Volume: 98 Issue: 3 2005 Feb 15

Authors Montesi A, García-Albiach R, Pozuelo MJ, Pintado C, Goñi I, Rotger R

Microbiological effects of consuming a synbiotic containing Bifidobacterium bifidum, Bifidobacterium lactis, and oligofructose in elderly persons, determined by real-time polymerase chain reaction and counting of viable bacteria.

**Clinical infectious diseases : an official publication of the Infectious Diseases Society of America** , Volume: 40 Issue: 1 2005 Jan 1

Authors Bartosch S, Woodmansey EJ, Paterson JC, McMurdo ME, Macfarlane GT

Contribution of acetate to butyrate formation by human faecal bacteria.

**The British journal of nutrition** , Volume: 91 Issue: 6 2004 Jun

Authors Duncan SH, Holtrop G, Loble GE, Calder AG, Stewart CS, Flint HJ

Antimicrobial susceptibility of the pathogens of bacteraemia in the UK and Ireland 2001-2002: the BSAC Bacteraemia Resistance Surveillance Programme.

**The Journal of antimicrobial chemotherapy** , Volume: 53 Issue: 6 2004 Jun

Authors Reynolds R, Potz N, Colman M, Williams A, Livermore D, MacGowan A, BSAC Extended Working Party on Bacteraemia Resistance Surveillance.

Lactose utilization in Klebsiella pneumoniae: the slow utilization of lactose by resting cells of lactose fermenting strains.

**Journal of bacteriology** , Volume: 70 Issue: 1 1955 Jul

Authors CABELLI VJ

The significance of lactose fermentation and its relationship to resistance in Klebsiella pneumoniae.

**Journal of bacteriology** , Volume: 66 Issue: 4 1953 Oct

Authors CABELLI VJ, PICKETT MJ

The suppressive effect of bifidobacteria on Bacteroides vulgatus, a putative pathogenic microbe in inflammatory bowel disease.

**Microbiology and immunology** , Volume: 47 Issue: 6 2003

Authors Shiba T, Aiba Y, Ishikawa H, Ushiyama A, Takagi A, Mine T, Koga Y

Trends in antimicrobial susceptibilities among Enterobacteriaceae isolated from hospitalized patients in the United States from 1998 to 2001.

**Antimicrobial agents and chemotherapy** , Volume: 47 Issue: 5 2003 May

Authors Karlowsky JA, Jones ME, Thornsberry C, Friedland IR, Sahm DF

Antimicrobial resistance in Cairo, Egypt 1999-2000: a survey of five hospitals.

**The Journal of antimicrobial chemotherapy** , Volume: 51 Issue: 3 2003 Mar

Authors El Kholy A, Baseem H, Hall GS, Procop GW, Longworth DL

Interaction between probiotic lactic acid bacteria and canine enteric pathogens: a risk factor for intestinal Enterococcus faecium colonization?

**Veterinary microbiology** , Volume: 92 Issue: 1-2 2003 Mar 20

Authors Rinkinen M, Jalava K, Westermarck E, Salminen S, Ouwehand AC

Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.

**The Journal of nutrition** , Volume: 132 Issue: 12 2002 Dec

Authors Dongowski G, Huth M, Gebhardt E, Flamme W

Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.

**Applied and environmental microbiology** , Volume: 68 Issue: 10 2002 Oct

Authors Apajalahti JH, Kettunen H, Kettunen A, Holben WE, Nurminen PH, Rautonen N, Mutanen M

Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.

**The British journal of nutrition** , Volume: 88 Suppl 1 2002 Sep

Authors Bomba A, Nemcová R, Gancarcíková S, Herich R, Guba P, Mudronová D

Inhibition of listeriolysin O and phosphatidylcholine-specific production in *Listeria monocytogenes* by subinhibitory concentrations of plant essential oils.

**Journal of medical microbiology** , Volume: 51 Issue: 7 2002 Jul

Authors Smith-Palmer A, Stewart J, Fyfe L

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

High frequency of antibiotic resistance among Gram-negative isolates in intensive care units at 10 Swedish hospitals.

**Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases** , Volume: 3 Issue: 2 1997 Apr

Authors Hanberger H, Nilsson LE, Swedish Study Group .

Screening of the antibacterial effects of a variety of essential oils on respiratory tract pathogens, using a modified dilution assay method.

**Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy** , Volume: 7 Issue: 4 2001 Dec

Authors Inouye S, Yamaguchi H, Takizawa T

Prebiotic treatment of experimental colitis with germinated barley foodstuff: a comparison with probiotic or antibiotic treatment.

**International journal of molecular medicine** , Volume: 9 Issue: 1 2002 Jan

Authors Fukuda M, Kanauchi O, Araki Y, Andoh A, Mitsuyama K, Takagi K, Toyonaga A, Sata M, Fujiyama Y, Fukuoka M, Matsumoto Y, Bamba T

Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.

**The British journal of nutrition** , Volume: 86 Issue: 2 2001 Aug

Authors Kleessen B, Hartmann L, Blaut M

Enrichment of bifidobacteria in the hen caeca by dietary inulin.

**Folia microbiologica** , Volume: 46 Issue: 1 2001

Authors Rada V, Dusková D, Marounek M, Petr J

Suppressive effects of bifidobacteria on lipid peroxidation in the colonic mucosa of iron-overloaded mice.

**Journal of dairy science** , Volume: 84 Issue: 7 2001 Jul

Authors Ito M, Sawada H, Ohishi K, Yoshida Y, Yokoi W, Watanabe T, Yokokura T

Probiotic activities of *Lactobacillus casei rhamnosus*: in vitro adherence to intestinal cells and antimicrobial properties.

**Research in microbiology** , Volume: 152 Issue: 2 2001 Mar

Authors Forestier C, De Champs C, Vatoux C, Joly B

Probiotics in foods not containing milk or milk constituents, with special reference to *Lactobacillus plantarum* 299v.

**The American journal of clinical nutrition** , Volume: 73 Issue: 2 Suppl 2001 Feb

Authors Molin G

Evaluation of the in vitro activity of 9 antimicrobials against bacterial strains isolated from patients in intensive care units in Brazil: MYSTIC Antimicrobial Surveillance Program.

**The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases** , Volume: 4 Issue: 5 2000 Oct

Authors Mendes C, Hsiung A, Kiffer C, Oplustil C, Sinto S, Mimica I, Zoccoli C, Mystic Study Group.

[Sensitivity to antibiotics of bacteria from nosocomial infections. Evolution in resuscitation services of military hospitals].

**Presse medicale (Paris, France : 1983)** , Volume: 29 Issue: 27 2000 Sep 23

Authors Garrabé E, Cavallo JD, Brisou P, Chapalain JC, Coué JC, Courrier P, Granic G, Hervé V, Koeck JL, Morillon M, Claude JD, Roubay Y, Teysou R

Screening of some Palestinian medicinal plants for antibacterial activity.**Journal of ethnopharmacology** , Volume: 70 Issue: 3 2000 Jun

Authors Essawi T, Srour M

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

Antimicrobial activity of essential oils and other plant extracts.**Journal of applied microbiology** , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA, Carson CF, Riley TV

Changes in fecal microflora induced by intubation of mice with Bacillus subtilis (natto) spores are dependent upon dietary components.**Canadian journal of microbiology** , Volume: 45 Issue: 1 1999 Jan

Authors Hosoi T, Ametani A, Kiuchi K, Kaminogawa S

Does probiotics administration decrease serum endotoxin levels in infants?**Journal of pediatric surgery** , Volume: 34 Issue: 2 1999 Feb

Authors Urao M, Fujimoto T, Lane GJ, Seo G, Miyano T

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

Antibiotic susceptibility of potentially probiotic Lactobacillus species.**Journal of food protection** , Volume: 61 Issue: 12 1998 Dec

Authors Charteris WP, Kelly PM, Morelli L, Collins JK

Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.**Journal of applied microbiology** , Volume: 85 Issue: 4 1998 Oct

Authors Sghir A, Chow JM, Mackie RI

[Susceptibilities of bacteria isolated from patients with lower respiratory infectious diseases to antibiotics (1996)].**The Japanese journal of antibiotics** , Volume: 51 Issue: 7 1998 Jul

Authors Ikemoto H, Watanabe K, Mori T, Igari J, Oguri T, Shimizu Y, Terai T, Inoue H, Nakadate T, Ito C, Yoshida T, Ohno I, Tanno Y, Arakawa M, Igarashi K, Okada M, Ozaki K, Aoki N, Kitamura N, Sekine O, Suzuki Y, Nakata K, Nakatani T, Inagawa H, Kusano N

Antibiotic susceptibility of potentially probiotic Bifidobacterium isolates from the human gastrointestinal tract.**Letters in applied microbiology** , Volume: 26 Issue: 5 1998 May

Authors Charteris WP, Kelly PM, Morelli L, Collins JK

Public health hazards from small ruminant meat products in Europe.**Revue scientifique et technique (International Office of Epizootics)** , Volume: 16 Issue: 2 1997 Aug

Authors Pépin M, Russo P, Pardon P

Health benefits of non-digestible oligosaccharides.**Advances in experimental medicine and biology** , Volume: 427 1997

Authors Roberfroid MB

Bromelain prevents secretion caused by Vibrio cholerae and Escherichia coli enterotoxins in rabbit ileum in vitro.**Gastroenterology** , Volume: 113 Issue: 1 1997 Jul

Authors Mynott TL, Guandalini S, Raimondi F, Fasano A

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

Antimicrobial and antioxidant activities of unripe papaya.**Life sciences** , Volume: 53 Issue: 17 1993

Authors Osato JA, Santiago LA, Remo GM, Cuadra MS, Mori A

Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture.

**FEMS microbiology letters** , Volume: 118 Issue: 1-2 1994 May 1

Authors Gibson GR,Wang X

In vitro antimicrobial activity of fluoroquinolones against clinical isolates obtained in 1989 and 1990.

**Journal of the Formosan Medical Association = Taiwan yi zhi** , Volume: 92 Issue: 12 1993 Dec

Authors Chen YC,Chang SC,Hsu LY,Hsieh WC,Luh KT

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

Comparative activities of the oxa-beta-lactam LY127935, cefotaxime, cefoperazone, cefamandole, and ticarcillin against multiply resistant gram-negative bacilli.

**Antimicrobial agents and chemotherapy** , Volume: 17 Issue: 2 1980 Feb

Authors Hall WH,Opfer BJ,Gerding DN

[In vitro sensitivity at 18 antibiotics of 192 strains of Pseudomonas aeruginosa isolated at Garches Hospital].

**Pathologie-biologie** , Volume: 35 Issue: 5 1987 May

Authors Ronco E,Vacheron F,Orabona A

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

The influence of sucralose on bacterial metabolism.

**Journal of dental research** , Volume: 69 Issue: 8 1990 Aug

Authors Young DA,Bowen WH

Diet and faecal flora in the newborn: iron.

**Archives of disease in childhood** , Volume: 66 Issue: 12 1991 Dec

Authors Balmer SE,Wharton BA

Fermentation of mucins and plant polysaccharides by anaerobic bacteria from the human colon.

**Applied and environmental microbiology** , Volume: 34 Issue: 5 1977 Nov

Authors Salyers AA,West SE,Vercellotti JR,Wilkins TD

R-plasmid linked lactose fermentation in Klebsiella pneumoniae.

**The Indian journal of medical research** , Volume: 70 1979 Nov

Authors Walia SK,Chugh TD,Sharma KB,Bhat MB

[Antibacterial activity of sisomicin in comparison with gentamicin].

**Arzneimittel-Forschung** , Volume: 26 Issue: 5 1976

Authors Scheer M

Additional sources and private correspondance

**Private Correspondance** , Volume: 1 Issue: 2018

Effects of probiotic Enterococcus faecium NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing

**Animal Feed Science and Technology** , Volume: 201 2015 Mar

Authors Edward Alain B.Pajarillo,Dae-Kyung Kang,Chan-Soo Park,Hyeun Bum Kim,Marilen P Balolong

Curated database of commensal, symbiotic and pathogenic microbiota

**Generative Bioinformatics** , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

**The FASEB Journal** , Volume: 26 Issue: 1 2012 Apr 1

Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

## Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma  
Allergic Rhinitis (Hay Fever)  
Allergies  
Allergy to milk products  
Alopecia (Hair Loss)  
Alzheimer's disease  
Amyotrophic lateral sclerosis (ALS) Motor Neuron  
Ankylosing spondylitis  
Anorexia Nervosa  
Antiphospholipid syndrome (APS)  
Asthma  
Atherosclerosis  
Atrial fibrillation  
Autism  
Autoimmune Disease  
Barrett esophagus cancer  
benign prostatic hyperplasia  
Biofilm  
Bipolar Disorder  
Brain Trauma  
Breast Cancer  
Cancer (General)  
Carcinoma  
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  
liver fibrosis  
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**