

Microbiome Information for: Alopecia (Hair Loss)

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 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/>)

Thorne (<https://www.thorne.com/products/dp/gut-health-test>)

Worldwide: BiomeSight (<https://biomesight.com>) - Discount Code 'MICRO'

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Alopecia (Hair Loss)

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
Acidaminococcaceae family	Low		909930	Olsenella	genus	High	133925
Eggerthellaceae family	High		1643826	Phascolarctobacterium	genus	Low	33024
Erysipelotrichaceae family	High		128827	Phyllobacterium	genus	High	28100
Lachnospiraceae family	High		186803	Pseudomonas	genus	High	286
Ruminococcaceae family	High		541000	Ruminiclostridium	genus	Low	1508657
Anaerofilum	genus	Low	52784	Sphingomonas	genus	High	13687
Anaerostipes	genus	High	207244	Bacteroides eggerthii	species	High	28111
Blautia	genus	High	572511	Eubacterium xylanophilum	species	Low	39497
Butyrivibrio	genus	Low	574697	Helicobacter pylori	species	High	210
Collinsella	genus	High	102106	Holdemania filiformis	species	High	61171
Dorea	genus	High	189330	Ligilactobacillus murinus	species	High	1622
Enterorhabdus	genus	Low	580024	Parabacteroides distasonis	species	High	823
Eubacterium	genus	High	1730	Parabacteroides johnsonii	species	High	387661
Megasphaera	genus	High	906	Ruminococcus bicirculans (ex Wegman et al. 2014)	species	Low	1160721
				Leishmania	subgenus	High	38568

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.

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

bacillus,lactobacillus,streptococcus,saccharomyces probiotic
bifidobacterium

Bifidobacterium animalis {B. animalis}

bifidobacterium longum {B.Longum} 10 BCFU/day

dietary fiber

Fiber, total dietary

fruit

fruit/legume fibre

High-fibre diet {Whole food diet}

Hordeum vulgare {Barley} 60 gram/day

Limosilactobacillus reuteri {L. Reuteri} 22 BCFU/day

long-term, moderate-intensity exercise {exercise}

oligosaccharides {oligosaccharides}

Saccharomyces cerevisiae var boulardii {S. boulardii} 6 BCFU/day

Slow digestible carbohydrates. {Low Glycemic}

wheat

whole-grain diet

Retail Probiotics

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

natviehealthcare.com/Renewbiome Mega
 Global Healing Center / FloraTrex
 Ombre / Metabolic Booster
 Probiotic 10 Billion Active Cells Daily Maintenance
 Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
 SuperSmart / Full Spectrum Probiotic Formula
 Next Generation
 Bioflora(MX) / Woman
 Swiss BioEnergetics / Full Spectrum Probiotic Defence
 Advanced Bio-Cultures / Advance Multi Strain Probiotics
 Physician Choice / 60 Billion Probiotics
 Garden of Life / Dr. Formulated Once Daily Women's
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
 Bromatech (IT) / Rotanelle plus
 SuperSmart / Oral Health
 fairvital / microflora basic
 vita miracle / ultra-30 probiotics
 bioray / cytoflora
 seed / female version
 seed / male version
 probiotic pur (de) / realdose nutrition
 elixa / probiotic
 theramedix / probiotic
 hyperbiotics / pro-15
 newrhythm / probiotics 20 stains
 nature's way (au) / restore probiotic bowel & colon health 30s
 nature's way (au) / restore probiotic 100 billion
 Realdose
 Jetson (US) / Immunity Probiotics
 ASEA VIA / BIOME
 Seeking Health / Probiota HistaminX
 CustomProbiotics.com / L. Reuteri Probiotic Powder
 CustomProbiotics.com / B. Longum Probiotic Powder
 HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
 HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
 HLH BIOPHARMA(DE) / LACTOBACT ® AAD
 OMNI-BIOTIC®/ 10 AAD
 nature's way (au) / restore probiotic daily health 90s
 nature's way (au) / restore probiotic 30 billion 30s
 blackmores (au) / probiotics + adults daily (90 capsules)
 blackmores (au) / probiotics+ immune defence
 blackmore (au) / probiotics+ eczema relief
 blackmore (au) / probiotics+ womens flora balance
 blackmore (au) / probiotics+ daily health
 naturopathica (au) / gastrohealth fibrepro
 naturopathica (au)/ gastrohealth probiotic daily care
 naturopathica (au) / gastrohealth probiotic adults 50+
 naturopathica (au) / gastrohealth women's probiotic with cranberry
 naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
 jarow formulas / fem-dophilus®
 jarow formulas / bifidus balance® + fos
 bravo europe / starter and complex
 1 md / complete probiotics platinum

renew life / ultimate flora
garden of life / primal defense
custom probiotics / d-lactate free probiotics powder
custom probiotics / five strain bifidobacteria
renew life men's probiotic - ultimate
lifted naturals / mood boosting probiotic
philips / colon health
microbiome labs / restorflora
organic 3 / gutpro
organic 3 / primal gut
organic 3 / yeastbiotic
wakamoto (jp) / wakamoto pharmaceutical intestinal drug
up4 / ultra
up4 / adult
douglas laboratories / multi probiotic 40 billion
quantum wellness / restora flora
nature's instincts / ultra spore probiotic
florastor / florastor
align / align
jarrow formulas / fem dophilus
klaire labs / ther-biotic factor 4
solaray / microbiome probiotic colon formula
jamieson (can) / probiotic 10 bcfu
fürstenmed / lacto-bifido
jarrow formulas / jarro-dophilus mood
cytoplan(uk) / dentavital bifidophilus
udo's choice /super 8 gold
spain (es) / axiboulardi
spain (es) / casenbiotic
spain (es) / gum periobalance
spain (es) / gastrus
spain (es) / reuteri gotas
spain (es) / ultralevura
spain (es) / vivomixx
spain (es) / aquilea intimus
canada (ca) / calmbiotic
visbiome
young living/life 9
optibac / for women
optibac / for every day
optibac / saccharomyces boulardii
SuperSmart / Saccharomyces Boulardii
Microbiome Labs / MEGA Genesis
Microbiome Labs / ZENBIOME Dual
PrecisionBiotics / Zenflore
PrecisionBiotics / Immune
PharmExtracta / Bowell
PharmExtracta (IT) / Gliadines buccal stickpacks
Eden's / 3-in-1 Synbiotic Superblend
Schwabe Pharma Italia / MegaStress
Schwabe Pharma Italia / AxiBoulardi
Schwabe Pharma Italia / EnteroDophilus
Botica Alternativa / Lactobacilos Reuteri
Bromatech / ENTERELLE PLUS
Northwest Natural Products / PB8
Align® Extra Strength
Align / Align® Chewables
Microbiome Plus+™ Gastrointestinal

Bromatech (IT) / Serobiome
Smidge / Sensitive Probiotic
Ombre / Mood Enhancer
Ombre / Healthy Gut
Sanogermine / AB-Kolicare
LiveWell Nutrition / Pro-45
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
bioglan bio (au) / happy probiotic 100
Wholesome Wellness / Raw Probiotic
RepHresh / Pro-B Probiotic Supplement for Women
InnovixLabs / Mood Probiotic
Metabolics / Bifidobacterium Longum Powder
JGL / Lactogyn
Genesis Bifidobacterium Complex BB Probiotic
Bromatech (IT) / Bifiselle
Bromatech (IT) / Enterelle
Bromatech (IT) / Psicobrain
Bulk Probiotics / Saccharomyces boulardii Probiotic Powder (Digestive Support)
Bulk Probiotics / L. Reuteri Probiotic Powder
Bulk Probiotics / B. Longum Probiotic Powder
SuperSmart / H. Pylori Fight
SuperSmart / Lactobacillus reuteri
SuperSmart / Lactoxira
Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
Physis / Advance Probiotics
Probiotic Sticks
Seeking Health / Probiota Bifidobacterium
Maple Life Science™ / Bifidobacterium longum
Maple Life Science™ / Lactobacillus reuteri
Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
Wakunaga / Max Probiotic
Wakunaga / Pro+ Synbiotic
Wakunaga / Daily Probiotic
Wakunaga / 50+
Ombre / Endless Energy
Ombre / Heart Health
Ombre / Restore
NOW FOODS / Clinical GI Probiotic
Krauterhaus / Lactopro
Dr. Mercola / Complete Probiotics
Lake Avenue Nutrition / Probiotics 10 Strain Blend
CVSHealth / Daily Probiotic
MegaFood / MegaFlora
imagilin / NutriLots Replenish
BioGaia / BioGaia Osfortis
BioGaia / BioGaia Products
PoolPharma (IT) / ProbioTKMIO
ProbioMax® Daily DF

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

Substance to Consider Reducing or Eliminating

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

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

Abelmoschus {Okra}	florfenicol
amikacin	Garcinia mangostana {Mangosteen}
amoxicillin [CFS]	gentamicin
ampicillin [CFS]	glycyrrhizic acid {licorice}
azithromycin,[CFS]	henopodium quinoa {Quinoa}
Below normal temperature {Cold exposure}	imipenem
benzylpenicillin sodium (antibiotic)	loperamide hydrochloride,(prescription)
Cannabis sativa {Marijuana}	meropenem
Carrageenans {Carrageenan}	metronidazole [CFS]
cefotaxime sodium salt (antibiotic)	moxifloxacin (antibiotic)
ceftazidime	norfloxacin
ciprofloxacin [CFS]	piperacillin-tazobactam
clarithromycin [CFS]	Plantago {Psyllium}
clindamycin [CFS]	resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}
cranberry bean flour	risperidone,(prescription)
Crataegus {Hawthorn}	Sodium hypochlorite {Chlorinated Drinking Water}
D-glucose {Glucose}	sparfloxacin (antibiotic)
doxycycline [CFS]	Sulforaphane {Dark Greens}
Echinacea Moench {Echinacea}	terpenophenolics {cannabinoids}
Ethyl alcohol {Grain alcohol}	tobramycin
Flavan-3-ols {Epicatechin}	tomato powder
	vancomycin (antibiotic)[CFS]

Sample of Literature Used

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

Exploring the Role of Gut Microbiota in Patients with Alopecia Areata.

International journal of molecular sciences , Volume: 25 Issue: 8 2024 Apr 11

Authors Lee JH,Shin JH,Kim JY,Ju HJ,Kim GM

Roles of gut microbiota in androgenetic alopecia: insights from Mendelian randomization analysis.

Frontiers in microbiology , Volume: 15 2024

Authors Fu H,Xu T,Zhao W,Jiang L,Shan S

Exploring the link between gut microbiota and alopecia areata: a two-sample Mendelian randomization analysis.

International journal of dermatology , Volume: 63 Issue: 5 2024 May

Authors Xu W,Zhang L,Song X

Detection of Leishmania major and Leishmania infantum in cats during an outbreak of cutaneous leishmaniasis in Southern Israel.

Comparative immunology, microbiology and infectious diseases , Volume: 98 2023 Jul

Authors Kleinerman G,Melloul S,Chaim L,Mergý SE,Kaufman RG,Dagan N,Nachum-Biala Y,Kitaichik S,Gross S,Astman N,Baneth G

Gut microbiota in alopecia areata.

Postepy dermatologii i alergologii , Volume: 39 Issue: 6 2022 Dec

Authors Brzychcy K,Drózd I,Skoczylas S,Płoszaj T,Sobolewska-Sztychny D,Skibinska M,Narbutt J,Lesiak A

How Our Microbiome Influences the Pathogenesis of Alopecia Areata.

Genes , Volume: 13 Issue: 10 2022 Oct 14

Authors Sánchez-Pellicer P,Navarro-Moratalla L,Núñez-Delegido E,Agüera-Santos J,Navarro-López V

Understanding the Gut Microbiota in Pediatric Patients with Alopecia Areata and their Siblings: A Pilot Study.

JID innovations : skin science from molecules to population health , Volume: 1 Issue: 4 2021 Dec

Authors Rangu S,Lee JJ,Hu W,Bittinger K,Castelo-Soccio L

Analysis of the gut microbiota in alopecia areata: identification of bacterial biomarkers.

Journal of the European Academy of Dermatology and Venereology : JEADV , Volume: 34 Issue: 2 2020 Feb

Authors Moreno-Arrones OM,Serrano-Villar S,Perez-Brocal V,Saceda-Corralo D,Morales-Raya C,Rodriguez-Barata R,Moya A,Jaen-Olasolo P,Vano-Galvan S

Intestinal Dysbiosis and Biotin Deprivation Induce Alopecia through Overgrowth of Lactobacillus murinus in Mice.

Cell reports , Volume: 20 Issue: 7 2017 Aug 15

Authors Hayashi A,Mikami Y,Miyamoto K,Kamada N,Sato T,Mizuno S,Naganuma M,Teratani T,Aoki R,Fukuda S,Suda W,Hattori M,Amagai M,Ohyama M,Kanai T

Sulforaphane attenuates DSS-induced ulcerative colitis via the Nrf2/STAT3 signaling pathway and gut microbiota modulation.

Food & function , Volume: 17 Issue: 2 2026 Jan 26

Authors Chen M,Yu G,Wu W,Lei P,Zhang X,Ren J,Jiang X,Yang M,He C

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

Limosilactobacillus reuteri NCU-37 alleviates leuporelin-induced perimenopausal syndrome in infertile women by modulating the gut microbiota: a randomized controlled trial.

Food & function , 2025 Dec 16

Authors Wu X,Chen W,Yong Q,Zeng Q,You J,Zeng K,Li T,Wei J,Xie Y,Xu T,Chen T

Dietary Full-Fat Rice Bran or Glucose Regulates Bile Acid Circulation, Colonic Microbiota, and Short-Chain Fatty Acids in Pigs During Chronic Cold Stress.

Animals : an open access journal from MDPI , Volume: 15 Issue: 22 2025 Nov 7

Authors Zheng Y,Zhao Y,Wang Z,Sun G,Teng T,Shi B

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

Depending on intensity, exercise improved or worsened pathology in a model of prodromal Parkinson's disease.

NPJ Parkinson's disease , Volume: 11 Issue: 1 2025 Nov 23

Authors Baldauf L,Feja M,Stanojlovic M,Strowig T,Visscher C,Schaeffer E,Berg D,Hankel J,Richter F

Aerobic exercise and gut flora: a key link to improved cognitive impairment in mice with Parkinson's disease.

Frontiers in aging neuroscience , Volume: 17 2025

Authors Shan WP,Yan SL,Guo YY,Yang HK,Wang JC,Xiang J

[The impact of Bifidobacterium longum CCFM1112 on chronic constipation: a randomised, double-blind, placebo-controlled study.](#)**Beneficial microbes** , 2025 Jul 21

Authors Liu W,Wang J,Xue Y,Li J,Huang Y,Zhu S,Wang L,Wang G,Chen W,Zhao J

[Multi-omics analyses the effect of Bifidobacterium longum subsp. longum BL21 supplementation on overweight and obese subjects: a randomized, double-blind, placebo-controlled study.](#)**Nutrition & metabolism** , Volume: 22 Issue: 1 2025 Jul 17

Authors Wang X,Xing Z,Wang R,Zhang G,Liu G,Li Z,Li L

[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

[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

[Prebiotic potential of wheat and dark rye: modulation of gut microbiota and short-chain fatty acid-producing bacteria.](#)**Food science and biotechnology** , Volume: 34 Issue: 11 2025 Jul

Authors Kim J,Kim J,Kim G,Kim S,Shin H

[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

[Barley polysaccharides modulate metabolic and mild cognitive impairment in naturally aging mice through the liver-gut-brain axis.](#)**International journal of biological macromolecules** , 2025 May 6

Authors Fan M,Jiang Y,Cai C,Wang Z,Chen L,Zhang X,Yin H,Hu S,Liu J,Qian Z,Huang S

[Effect of a 24-week supervised concurrent exercise intervention on fecal microbiota diversity and composition in young sedentary adults: The ACTIBATE randomized controlled trial.](#)**Clinical nutrition (Edinburgh, Scotland)** , Volume: 49 2025 Apr 15

Authors Martinez-Tellez B,Xu H,Ortiz-Alvarez L,Rodríguez-García C,Schönke M,Jurado-Fasoli L,Osuna-Prieto FJ,Alcantara JMA,Acosta FM,Amaro-Gahete FJ,Folkerts G,Vilchez-Vargas R,Link A,Plaza-Diaz J,Gil A,Labayen I,Fernandez-Veledo S,Rensen PCN,Ruiz JR

[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

[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

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

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

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

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

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

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

[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

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

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

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

[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,Iñárritu 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

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

Nutrients , Volume: 16 Issue: 23 2024 Nov 30

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

[Konjac glucomannan and ?-carrageenan improve hepatic fatty acid metabolism and colonic microbiota in suckling piglet.](#)

International journal of biological macromolecules , Volume: 288 2025 Feb

Authors Gao F,Chen Q,Sun H,Zhang W,Shi B

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

International journal of biological macromolecules , Volume: 288 2025 Feb

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

[Open Label Vancomycin in Primary Sclerosing Cholangitis-Inflammatory Bowel Disease: Improved Colonic Disease Activity and Associations With Changes in Host-Microbiome-Metabolomic Signatures.](#)

Journal of Crohn's & colitis , Volume: 19 Issue: 2 2025 Feb 4

Authors Quraishi MN,Cheesbrough J,Rimmer P,Mullish BH,Sharma N,Efstathiou E,Acharjee A,Gkoutos G,Patel A,Marchesi JR,Camuzeaux S,Chappell K,Valdivia-Garcia MA,Ferguson J,Brookes MJ,Walmsley M,Rossiter AE,van Schaik W,McInnes RS,Cooney R,Trauner M,Beggs AD,Iqbal TH,Trivedi PJ

[Timing Matters: Late, but Not Early, Exercise Training Ameliorates MASLD in Part by Modulating the Gut-Liver Axis in Mice.](#)

Journal of pineal research , Volume: 76 Issue: 8 2024 Dec

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

[Therapeutic Interventions for Pseudomonas Infections in Cystic Fibrosis Patients: A Review of Phase IV Trials.](#)

Journal of clinical medicine , Volume: 13 Issue: 21 2024 Oct 30

Authors Alqasbi M

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

Journal of applied microbiology , 2024 Nov 5

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

[Efficacy of Bismuth Quadruple Therapy in the Treatment of Helicobacter pylori-Infected Peptic Ulcer Children in Vietnam.](#)

Helicobacter , Volume: 29 Issue: 6 2024 Nov-Dec

Authors Do TMP,Tran THT,Nguyen VT,Chu TPM,Nguyen L,Nguyen KT,Hoang TBN,Phuong ALH,Yamaoka Y,Olson L,Nguyen TVH

[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

[Effect of probiotic supplementation combined with bismuth-containing quadruple therapy on gut microbiota during Helicobacter pylori eradication: a randomized, double-blind, placebo-controlled trial.](#)

Frontiers in nutrition , Volume: 11 2024

Authors Han Z,Li Y,Nan X,Zhou T,Li L,Li Y

[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

[Quinoa ameliorates polycystic ovary syndrome via regulating gut microbiota through PI3K/AKT/mTOR pathway and](#)

[autophagy.](#)

Nutrition & metabolism , Volume: 21 Issue: 1 2024 Oct 11

Authors Dou J,Wu Y,Hu R,Liu J,Zhang Y,Zhen X,Wu T,Zhang C,Liu Y,Zheng R,Jiang G

[Sulforaphane Improves Liver Metabolism and Gut Microbiota in Circadian Rhythm Disorder Mice Models Fed With High-Fat Diets.](#)

Molecular nutrition & food research , Volume: 68 Issue: 21 2024 Nov

Authors He C,Chen M,Jiang X,Ren J,Ganapathiraju SV,Lei P,Yang H,Pannu PR,Zhao Y,Zhang X

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

Biology , Volume: 13 Issue: 9 2024 Aug 30

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

[Gut microbiome related to metabolic diseases after moderate-to-vigorous intensity exercise.](#)

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

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

[Empirical Therapy Versus Tailored Therapy of Helicobacter pylori in Korea: Results of the K-CREATE Study.](#)

Helicobacter , Volume: 29 Issue: 4 2024 Jul-Aug

Authors Kim JS,Kim BW,Kim JJ,Chung WC,Jung SW,Bang CS,Kim GH,Jeon SW,Joo MK,Lee SH,Lim YJ,Sung JK,Seo SY,Park SY,Lee WS,Lee HL,Kim KB,Kim HU

[Postbiotics from Saccharomyces cerevisiae fermentation stabilize microbiota in rumen liquid digesta during grain-based subacute ruminal acidosis \(SARA\) in lactating dairy cows.](#)

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

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

[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

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

International journal of obesity (2005) , 2024 Jul 20

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

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

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

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

[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,Blikslager AT,Odle J

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

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

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

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

Microbiome research reports , Volume: 3 Issue: 2 2024

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

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

Probiotics and antimicrobial proteins , 2024 Jun 3

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

[Bifidobacterium longum S3 alleviates loperamide-induced constipation by modulating intestinal acetic acid and stearic acid levels in mice.](#)

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

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

[Antibiotic susceptibility pattern of Helicobacter pylori against eight antibiotics: A study from North India.](#)

Helicobacter , Volume: 29 Issue: 3 2024 May-Jun

Authors Arfi S,Sharma P,Kumar M,Mehra S,Das K,Das R,Setya A

[A methyl esterase from Bifidobacterium longum subsp. longum reshapes the prebiotic properties of apple pectin by triggering differential modulatory capacity in faecal cultures.](#)**Microbial biotechnology** , Volume: 17 Issue: 5 2024 May

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

[An In Vitro Evaluation of the Effect of Bifidobacterium longum L556 on Microbiota Composition and Metabolic Properties in Patients with Coronary Heart Disease \(CHD\).](#)**Probiotics and antimicrobial proteins** , 2024 May 9

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

[Impact of medication dosage on Helicobacter pylori eradication rates among pediatric patients.](#)**Journal of pediatric gastroenterology and nutrition** , Volume: 79 Issue: 1 2024 Jul

Authors Andrews C,Herzlinger M,Riaz M,Liu E,Chan C,Bonilla S

[Beneficial Effects of Dietary Fiber in Young Barley Leaf on Gut Microbiota and Immunity in Mice.](#)**Molecules (Basel, Switzerland)** , Volume: 29 Issue: 8 2024 Apr 22

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

[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,Huszcz 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

[Antimicrobial, Probiotic, and Immunomodulatory Potential of Cannabis sativa Extract and Delivery Systems.](#)**Antibiotics (Basel, Switzerland)** , Volume: 13 Issue: 4 2024 Apr 17

Authors Stasilowicz-Krzemien A,Szymanowska D,Szulc P,Cielecka-Piontek J

[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

[The gut microbiota facilitate their host tolerance to extreme temperatures.](#)**BMC microbiology** , Volume: 24 Issue: 1 2024 Apr 20

Authors Wang Z,Wu Y,Li X, Ji X,Liu W

[Endurance exercise associated with a fructooligosaccharide diet modulates gut microbiota and increases colon absorptive area.](#)**Journal of gastroenterology and hepatology** , Volume: 39 Issue: 6 2024 Jun

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

[Effects of Exercise on Gut Microbiota of Adults: A Systematic Review and Meta-Analysis.](#)**Nutrients** , Volume: 16 Issue: 7 2024 Apr 5

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

[Effect of aerobic exercise and particulate matter exposure duration on the diversity of gut microbiota.](#)**Animal cells and systems** , Volume: 28 Issue: 1 2024

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

[Cognitive behavioral and mindfulness with daily exercise intervention is associated with changes in intestinal microbial taxa and systemic inflammation in patients with Crohn's disease.](#)**Gut microbes** , Volume: 16 Issue: 1 2024 Jan-Dec

Authors K I,Y M,A N,D S,G R,S,D G,V S,N,O S,M F,S R,S O,J M,G,A M

[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

[Effects of Bifidobacterium animalis subsp. lactis IU100 on Immunomodulation and Gut Microbiota in Immunosuppressed Mice.](#)**Microorganisms** , Volume: 12 Issue: 3 2024 Feb 29

Authors Zhou L,Yin X,Fang B,He J,Zhan J,Zhang X,Wang R

[Predictors of Successful First-Line Helicobacter pylori Eradication with Fluoroquinolones in Pakistan: A Prospective Exploration of Demographic and Clinical Factors.](#)**Antibiotics (Basel, Switzerland)** , Volume: 13 Issue: 3 2024 Feb 23

Authors Khadim S,Muhammad IN,Alam T,Usman S,Rehman H,Haider S

Associations Between Health Behaviors, Gastrointestinal Symptoms, and Gut Microbiota in a Cross-Sectional Sample of Cancer Survivors: Secondary Analysis from the Chemo-Gut Study.

Integrative cancer therapies , Volume: 23 2024 Jan-Dec

Authors Deleemans JM,Chleilat F,Reimer RA,Lawal OA,Baydoun M,Piedalue KA,Lowry DE,Carlson LE

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

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

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

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

Prebiotic inulin ameliorates SARS-CoV-2 infection in hamsters by modulating the gut microbiome.

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

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

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

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

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

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

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

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

Anti-diabetic effect of red quinoa polysaccharide on type 2 diabetic mellitus mice induced by streptozotocin and high-fat diet.

Frontiers in microbiology , Volume: 15 2024

Authors Zang Y,Ge Y,Cao Y,Tang H

Dynamics of Gut Microbiota and Short-Chain Fatty Acids during a Cycling Grand Tour Are Related to Exercise Performance and Modulated by Dietary Intake.

Nutrients , Volume: 16 Issue: 5 2024 Feb 27

Authors Fernandez-Sanjurjo M,Fernandez J,Martinez-Cambor P,Rodriguez-Alonso M,Ortolano-Rios R,Pinto-Hernandez P,Castilla-Silgado J,Coto-Vilcapoma A,Ruiz L,Villar CJ,Tomas-Zapico C,Margolles A,Fernandez-Garcia B,Iglesias-Gutierrez E,Lombó F

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

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

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

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

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

Frontiers in pharmacology , Volume: 15 2024

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

Bifidobacterium animalis subsp. lactis A6 attenuates hippocampal damage and memory impairments in an ADHD rat model.

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

Authors Yin X,Liu W,Feng H,Huang J,Wang Q,Zhang Q,He J,Wang R

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

Therapeutic Evaluation of Bifidobacterium animalis subsp. lactis MH-02 as an Adjunctive Treatment in Patients with Reflux Esophagitis: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 16 Issue: 3 2024 Jan 24

Authors Gan L,Wang Y,Huang S,Zheng L,Feng Q,Liu H,Liu P,Zhang K,Chen T,Fang N

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

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

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

[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

[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

[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

[Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF- \$\kappa\$ B Inflammatory Pathways and Regulating Intestinal Microbiota.](#)

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

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

[Lactobacillus reuteri derived from horse alleviates Escherichia coli-induced diarrhea by modulating gut microbiota.](#)

Microbial pathogenesis , Volume: 188 2024 Mar

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

[Effects of aerobic exercise or Tai Chi Chuan interventions on problematic mobile phone use and the potential role of intestinal flora: A multi-arm randomized controlled trial.](#)

Journal of psychiatric research , Volume: 170 2024 Feb

Authors Zhang K, Guo H, Zhang X, Yang H, Yuan G, Zhu Z, Lu X, Zhang J, Du J, Shi H, Jin G, Ren J, Hao J, Sun Y, Su P, Zhang Z

[Probiotic Bacillus licheniformis ZW3 Alleviates DSS-Induced Colitis and Enhances Gut Homeostasis.](#)

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

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

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

Nutrients , Volume: 16 Issue: 1 2023 Dec 29

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

[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

[Exposure to chlorinated drinking water alters the murine fecal microbiota.](#)

The Science of the total environment , Volume: 914 2024 Mar 1

Authors Jandova J, Schiro G, Duca FA, Laubitz D, Wondrak GT

[Dietary novel alkaline protease from Bacillus licheniformis improves broiler meat nutritional value and modulates intestinal microbiota and metabolites.](#)

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

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

[Mannan oligosaccharides improve the fur quality of raccoon dogs by regulating the gut microbiota.](#)

Frontiers in microbiology , Volume: 14 2023

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

[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

[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, Hießer 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

[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

[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

[Next-generation sequencing of the athletic gut microbiota: a systematic review.](#)

Microbiome research reports , Volume: 2 Issue: 1 2023

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

[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

[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

[Modulating the gut microbiota is involved in the effect of low-molecular-weight Glycyrrhiza polysaccharide on immune function.](#)

Gut microbes , Volume: 15 Issue: 2 2023 Dec

Authors Song W,Wang Y,Li G,Xue S,Zhang G,Dang Y,Wang H

[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

[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

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

Nutrients , Volume: 15 Issue: 19 2023 Sep 28

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

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

Nutrients , Volume: 15 Issue: 19 2023 Sep 22

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

[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

[Antibiotic Resistance Rates for Helicobacter pylori in Rural Arizona: A Molecular-Based Study.](#)

Microorganisms , Volume: 11 Issue: 9 2023 Sep 12

Authors Monroy FP,Brown HE,Acevedo-Solis CM,Rodríguez-Galaviz A,Dholakia R,Pauli L,Harris RB

[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

[Longitudinal effects of oral administration of antimicrobial drugs on fecal microbiota of horses.](#)

Journal of veterinary internal medicine , 2023 Sep 8

Authors Gomez D,Toribio R,Caddey B,Costa M,Vijan S,Dembek K

[Immunomodulatory effects of inulin and its intestinal metabolites.](#)

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G, Zhang L

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

Helicobacter , Volume: 28 Issue: 6 2023 Dec

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

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*

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

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

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

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

Food & function , 2023 Jul 14

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

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

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

Carbohydrate polymers , Volume: 316 2023 Sep 15

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

Bifidobacterium bifidum E3 Combined with *Bifidobacterium longum* subsp. *infantis* E4 Improves LPS-Induced Intestinal Injury by Inhibiting the TLR4/NF- κ B and MAPK Signaling Pathways In Vivo.

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

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

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*

Quinoa Ameliorates Hepatic Steatosis, Oxidative Stress, Inflammation and Regulates the Gut Microbiota in Nonalcoholic Fatty Liver Disease Rats.

Foods (Basel, Switzerland) , Volume: 12 Issue: 9 2023 Apr 25

Authors *Zhong L, Lyu W, Lin Z, Lu J, Geng Y, Song L, Zhang H*

Multi-Omics Reveals the Effects of Cannabidiol on Gut Microbiota and Metabolic Phenotypes.

Cannabis and cannabinoid research , Volume: 9 Issue: 3 2024 Jun

Authors *He M, Liu A, Shi J, Xu YJ, Liu Y*

Corrigendum to 'Lycopene Affects Intestinal Barrier Function and the Gut Microbiota in Weaned Piglets via Antioxidant Signaling Regulation' [The Journal of Nutrition 152 (2022) 2396-2408].

The Journal of nutrition , Volume: 153 Issue: 5 2023 May

Authors *Meng Q, Zhang Y, Li J, Shi B, Ma Q, Shan A*

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

Frontiers in pharmacology , Volume: 14 2023

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

Lycopene prevents non-alcoholic fatty liver disease through regulating hepatic NF- κ B/NLRP3 inflammasome pathway and intestinal microbiota in mice fed with high-fat and high-fructose diet.

Frontiers in nutrition , Volume: 10 2023

Authors *Gao X, Zhao X, Liu M, Zhao H, Sun Y*

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

Renal failure , Volume: 45 Issue: 1 2023 Dec

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

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

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

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

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

Nutrients , Volume: 15 Issue: 6 2023 Mar 21

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

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

Lycopene Affects Intestinal Barrier Function and the Gut Microbiota in Weaned Piglets via Antioxidant Signaling Regulation.

The Journal of nutrition , Volume: 152 Issue: 11 2022 Nov

Authors Meng Q,Zhang Y,Li J,Shi B,Ma Q,Shan A

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

New regimens as first-line eradication therapy for Helicobacter pylori infection in patients allergic to penicillin: A randomized controlled trial.

Helicobacter , Volume: 28 Issue: 2 2023 Apr

Authors Zhang Y,Suo B,Tian X,Zhang H,Lu H,Yao X,Li C,Ren X,Zhou L,Song Z

Effect of Echinacea on gut microbiota of immunosuppressed ducks.

Frontiers in microbiology , Volume: 13 2022

Authors Lin R,Zhi C,Su Y,Chen J,Gao D,Li S,Shi D

Modified cereal bran (MCB) from finger millet, kodo millet, and rice bran prevents high-fat diet-induced metabolic derangements.

Food & function , Volume: 14 Issue: 3 2023 Feb 6

Authors Devi K,Kumar V,Kumar V,Mahajan N,Kaur J,Sharma S,Kumar A,Khan R,Bishnoi M,Kondepudi KK

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

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

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

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

Nutrients , Volume: 15 Issue: 1 2022 Dec 22

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

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

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

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

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

Abelmoschus Manihot ameliorates the levels of circulating metabolites in diabetic nephropathy by modulating gut microbiota in non-obese diabetes mice.

Microbial biotechnology , Volume: 16 Issue: 4 2023 Apr

Authors Shi R,Tao Y,Tang H,Wu C,Fei J,Ge H,Gu HF,Wu J

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

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

Psychiatry research , Volume: 319 2023 Jan

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

[Differential reinforcement of intestinal barrier function by various Lactobacillus reuteri strains in mice with DSS-induced acute colitis.](#)

Life sciences , Volume: 314 2023 Feb 1

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

[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

[Cannabis sativa L. alleviates loperamide-induced constipation by modulating the composition of gut microbiota in mice.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Li R,Li M,Li B,Chen WH,Liu Z

[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-Fandila 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 MJ,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

[Effects of Dietary Quinoa Seeds on Cecal Microorganisms and Muscle Fatty Acids of Female Luhua Chickens.](#)

Animals : an open access journal from MDPI , Volume: 12 Issue: 23 2022 Nov 28

Authors Wu T,Jiang X,Yang F,Wei Y,Zhao S,Jiao T

[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

[Lactobacillus reuteri improves the development and maturation of fecal microbiota in piglets through mother-to-infant microbe and metabolite vertical transmission.](#)

Microbiome , Volume: 10 Issue: 1 2022 Dec 2

Authors Wang G,Wang X,Ma Y,Cai S,Yang L,Fan Y,Zeng X,Qiao S

[The effects of Saccharomyces boulardii on rat colonic hypermotility induced by repeated water avoidance stress and the potential mechanism.](#)

PeerJ , Volume: 10 2022

Authors Liu J,Ren H,Yuan F,Shao M,Luo H

[Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.](#)

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

Authors Lee KS,Kim ES

[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

[Bifidobacterium animalis Promotes the Growth of Weaning Piglets by Improving Intestinal Development, Enhancing Antioxidant Capacity, and Modulating Gut Microbiota.](#)

Applied and environmental microbiology , Volume: 88 Issue: 22 2022 Nov 22

Authors Pang J,Liu Y,Kang L,Ye H,Zang J,Wang J,Han D

[\[A prospective randomized comparative study of the efficacy and safety of a two-week bismuth-based quadrotherapy of](#)

Helicobacter pylori infection with the inclusion of the probiotic containing Bifidobacterium longum BB-46 and Enterococcus faecium ENCfa-68].

Terapevticheskii arkhiv , Volume: 93 Issue: 8 2021 Aug 15

Authors Yakovenko EP,Strokova TV,Iakovenko AV,Ivanov AN,Soluyanov IP,Vasilyev NN

Modulation of gut microbiota by glycyrrhizic acid may contribute to its anti-NAFLD effect in rats fed a high-fat diet.

Life sciences , Volume: 310 2022 Dec 1

Authors Wang S,Li XY, Ji HF, Shen L

Integrated gut microbiota and metabolomic analysis reveals immunomodulatory effects of Echinacea extract and Astragalus polysaccharides.

Frontiers in veterinary science , Volume: 9 2022

Authors Li S,Lin R,Chen J,Hussain R,Zhang S,Su Y,Chan Y,Ghaffar A,Shi D

The combination of microbiome and metabolome to analyze the cross-cooperation mechanism of Echinacea purpurea polysaccharide with the gut microbiota in vitro and in vivo.

Food & function , Volume: 13 Issue: 19 2022 Oct 3

Authors Liu C,Jiang W,Yang F,Cheng Y,Guo Y,Yao W,Zhao Y,Qian H

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

The antidiabetic effects of Bifidobacterium longum subsp. longum BL21 through regulating gut microbiota structure in type 2 diabetic mice.

Food & function , Volume: 13 Issue: 19 2022 Oct 3

Authors Hao J,Zhang Y,Wu T,Liu R,Sui W,Zhu J,Fang S,Geng J,Zhang M

Different effects of Bacillus coagulans vegetative cells and spore isolates on constipation-induced gut microbiota dysbiosis in mice.

Food & function , Volume: 13 Issue: 18 2022 Sep 22

Authors Li L,Liu B,Cao J,Zhang H,Tian F,Yu L,Chen W,Zhai Q

Selenium-enriched Bifidobacterium longum DD98 effectively ameliorates dextran sulfate sodium-induced ulcerative colitis in mice.

Frontiers in microbiology , Volume: 13 2022

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

Bifidobacterium longum CECT 7894 Improves the Efficacy of Infliximab for DSS-Induced Colitis via Regulating the Gut Microbiota and Bile Acid Metabolism.

Frontiers in pharmacology , Volume: 13 2022

Authors Xiao F,Dong F,Li X,Li Y,Yu G,Liu Z,Wang Y,Zhang T

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

Metagenomic Changes of Gut Microbiota following Treatment of Helicobacter pylori Infection with a Simplified Low-Dose Quadruple Therapy with Bismuth or Lactobacillus reuteri.

Nutrients , Volume: 14 Issue: 14 2022 Jul 6

Authors Dore MP,Sau R,Niolu C,Abbondio M,Tanca A,Bibbò S,Loria M,Pes GM,Uzzau S

Limosilactobacillus reuteri Attenuates Atopic Dermatitis via Changes in Gut Bacteria and Indole Derivatives from Tryptophan Metabolism.

International journal of molecular sciences , Volume: 23 Issue: 14 2022 Jul 13

Authors Fang Z,Pan T,Wang H,Zhu J,Zhang H,Zhao J,Chen W,Lu W

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

Molecular carcinogenesis , Volume: 61 Issue: 10 2022 Oct

Authors Kumar R,Maurya AK,Parker KD,Kant R,Ibrahim H,Kabir MI,Kumar D,Weber AM,Agarwal R,Kuhn KA,Ryan EP,Raina K

Recombinant Bifidobacterium longum Carrying Endostatin Protein Alleviates Dextran Sodium Sulfate-Induced Colitis and Colon Cancer in Rats.

Frontiers in microbiology , Volume: 13 2022

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

Procyanidins from hawthorn (Crataegus pinnatifida) alleviate lipid metabolism disorder via inhibiting insulin resistance and oxidative stress, normalizing the gut microbiota structure and intestinal barrier, and further suppressing hepatic inflammation and lipid accumulation.

Food & function , Volume: 13 Issue: 14 2022 Jul 18

Authors Han X,Zhao W,Zhou Q,Chen H,Yuan J,Xiaofu Z,Zhang Z

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

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

Profiling the Effects of Systemic Antibiotics for Acne, Including the Narrow-Spectrum Antibiotic Sarecycline, on the Human Gut Microbiota.

Frontiers in microbiology , Volume: 13 2022

Authors Moura IB,Grada A,Spittal W,Clark E,Ewin D,Altringham J,Fumero E,Wilcox MH,Buckley AM

A Prebiotic Diet Alters the Fecal Microbiome and Improves Sleep in Response to Sleep Disruption in Rats.

Frontiers in neuroscience , Volume: 16 2022

Authors Bowers SJ,Summa KC,Thompson RS,González A,Vargas F,Olker C,Jiang P,Lowry CA,Dorrestein PC,Knight R,Wright KP Jr,Fleshner M,Turek FW,Vitaterna MH

The Microbiome and Gut Endocannabinoid System in the Regulation of Stress Responses and Metabolism.

Frontiers in cellular neuroscience , Volume: 16 2022

Authors Srivastava RK,Lutz B,Ruiz de Azua I

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

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

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

Probiotics synergized with conventional regimen in managing Parkinson's disease.

NPJ Parkinson's disease , Volume: 8 Issue: 1 2022 May 24

Authors Sun H,Zhao F,Liu Y,Ma T,Jin H,Quan K,Leng B,Zhao J,Yuan X,Li Z,Li F,Kwok LY,Zhang S,Sun Z,Zhang J,Zhang H

Quinoa Reduces High-Fat Diet-Induced Obesity in Mice via Potential Microbiota-Gut-Brain-Liver Interaction Mechanisms.

Microbiology spectrum , Volume: 10 Issue: 3 2022 Jun 29

Authors Wang TY,Tao SY,Wu YX,An T,Lv BH,Liu JX,Liu YT,Jiang GJ

Drinking water chlorination has minor effects on the intestinal flora and resistomes of Bangladeshi children.

Nature microbiology , Volume: 7 Issue: 5 2022 May

Authors Nadimpalli ML,Lanza VF,Montealegre MC,Sultana S,Fuhrmeister ER,Worby CJ,Teichmann L,Caduff L,Swarthout JM,Crider YS,Earl AM,Brown J,Luby SP,Islam MA,Julian TR,Pickering AJ

Cold exposure, gut microbiota, and hypertension: A mechanistic study.

The Science of the total environment , Volume: 833 2022 Aug 10

Authors Wang B,Liu J,Lei R,Xue B,Li Y,Tian X,Zhang K,Luo B

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

Lactobacillus reuteri CCFM8631 Alleviates Hypercholesterolaemia Caused by the Paigen Atherogenic Diet by Regulating the Gut Microbiota.

Nutrients , Volume: 14 Issue: 6 2022 Mar 17

Authors Wang Q,He Y,Li X,Zhang T,Liang M,Wang G,Zhao J,Zhang H,Chen W

Relationships between barley consumption and gut microbiome characteristics in a healthy Japanese population: a cross-sectional study.

BMC nutrition , Volume: 8 Issue: 1 2022 Mar 14

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

Different Alterations in Gut Microbiota between Bifidobacterium longum and Fecal Microbiota Transplantation Treatments in Propionic Acid Rat Model of Autism.

Nutrients , Volume: 14 Issue: 3 2022 Jan 30

Authors Abujaamel TS,Al-Otaibi NM,Abuaish S,AlHarbi RH,Assas MB,Alzahrani SA,Alotaibi SM,El-Ansary A,Abed K

Effect of Dietary Bacillus licheniformis Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.

Frontiers in veterinary science , Volume: 9 2022

Authors Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z

Effects of drinking water supplementation with Lactobacillus reuteri, and a mixture of reuterin and microcin J25 on the growth performance, caecal microbiota and selected metabolites of broiler chickens.

Journal of animal science and biotechnology , Volume: 13 Issue: 1 2022 Mar 5

Authors Zhang L,Ben Said L,Hervé N,Zirah S,Diarra MS,Fliss I

Licorice extract ameliorates hyperglycemia through reshaping gut microbiota structure and inhibiting TLR4/NF- κ B signaling pathway in type 2 diabetic mice.

Food research international (Ottawa, Ont.) , Volume: 153 2022 Mar

Authors Zhang Y,Xu Y,Zhang L,Chen Y,Wu T,Liu R,Sui W,Zhu Q,Zhang M

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

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

Crosstalk between gut microbiota and host lipid metabolism in a mouse model of alcoholic liver injury by chronic baijiu or ethanol feeding.

Food & function , Volume: 13 Issue: 2 2022 Jan 24

Authors Fang C,Zhou Q,Liu Q,Jia W,Xu Y

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

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

Authors Donati Zeppa S,Amatori S,Sisti D,Gervasi M,Agostini D,Piccoli G,Pazienza V,Gobbi P,Rocchi MBL,Sestili P,Stocchi V

Comparison of Drug Resistance of Helicobacter pylori Between Children and Adults in Jilin, China.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 32 Issue: 12 2021 Dec

Authors Wang L,Zhang J,Hu M,Pang X

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

Saccharomyces boulardii Combined With Quadruple Therapy for Helicobacter pylori Eradication Decreased the Duration and Severity of Diarrhea: A Multi-Center Prospective Randomized Controlled Trial.

Frontiers in medicine , Volume: 8 2021

Authors Zhao Y,Yang Y,Aruna,Xiao J,Song J,Huang T,Li S,Kou J,Huang L, Ji D,Xiong S,Peng W,Xu S,Cheng B

Bacillus subtilis Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with Schistosoma japonicum.

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

Increasing Helicobacter pylori clarithromycin resistance in Australia over 20 years.

Internal medicine journal , 2021 Dec 5

Authors Schubert JP,Warner MS,Rayner CK,Roberts-Thomson IC,Mangoni AA,Costello S,Bryant RV

Gut microbiome and metabolome in a non-human primate model of chronic excessive alcohol drinking.

Translational psychiatry , Volume: 11 Issue: 1 2021 Dec 1

Authors Piacentino D,Grant-Beurmann S,Vizioli C,Li X,Moore CF,Ruiz-Rodado V, Lee MR,Joseph PV,Fraser CM,Weerts EM,Leggjo L

The anti-inflammatory effect of bacterial short chain fatty acids is partially mediated by endocannabinoids.

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

Authors Vijay A,Kouraki A,Gohir S,Turnbull J,Kelly A,Chapman V,Barrett DA,Bulsiewicz WJ,Valdes AM

[Beneficial effect of whole-grain wheat on liver fat: a role for the gut microbiota?](#)

Hepatobiliary surgery and nutrition , Volume: 10 Issue: 5 2021 Oct

Authors Gérard P

[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

[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

[Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.](#)

Journal of animal science , 2021 Oct 23

Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

[Alleviation Effects of Bifidobacterium animalis subsp. lactis XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.](#)

Microorganisms , Volume: 9 Issue: 10 2021 Oct 3

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

[In vitro study of the effect of quinoa and quinoa polysaccharides on human gut microbiota.](#)

Food science & nutrition , Volume: 9 Issue: 10 2021 Oct

Authors Zeyneb H,Pei H,Cao X,Wang Y,Wen Y,Gong L

[Unravelling the collateral damage of antibiotics on gut bacteria.](#)

Nature , Volume: 599 Issue: 7883 2021 Nov

Authors Maier L,Goemans CV,Wirbel J,Kuhn M,Eberl C,Pruteanu M,Müller P,Garcia-Santamarina S,Cacace E,Zhang B,Gekeler C,Banerjee T,Anderson EE,Milanesi A,Löber U,Forslund SK,Patil KR,Zimmermann M,Stecher B,Zeller G,Bork P,Typas A

[Epigallocatechin Gallate \(EGCG\) Promotes the Immune Function of Ileum in High Fat Diet Fed Mice by Regulating Gut Microbiome Profiling and Immunoglobulin Production.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Liu X,Zhao K,Jing N,Kong Q,Yang X

[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

[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

[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

[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

[Total Flavone of Abelmoschus manihot Ameliorates Stress-Induced Microbial Alterations Drive Intestinal Barrier Injury in DSS Colitis.](#)

Drug design, development and therapy , Volume: 15 2021

Authors Wang R,Chen T,Wang Q,Yuan XM,Duan ZL,Feng ZY,Ding Y,Bu F,Shi GP,Chen YG

[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

[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

[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

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

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

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

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

Clearance of *Clostridioides difficile* Colonization Is Associated with Antibiotic-Specific Bacterial Changes.

mSphere , Volume: 6 Issue: 3 2021 May 5

Authors Lesniak NA,Schubert AM,Sinani H,Schloss PD

Co-delivery of hesperidin and clarithromycin in a nanostructured lipid carrier for the eradication of *Helicobacter pylori* in vitro.

Bioorganic chemistry , Volume: 112 2021 Jul

Authors Sharaf M,Arif M,Khan S,Abdalla M,Shabana S,Chi Z,Liu C

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

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

Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.

Frontiers in bioengineering and biotechnology , Volume: 9 2021

Authors Fu J,Wang Y,Tan S,Wang J

The effect of acute moderate-intensity exercise on the serum and fecal metabolomes and the gut microbiota of cross-country endurance athletes.

Scientific reports , Volume: 11 Issue: 1 2021 Feb 11

Authors Tabone M,Bressa C,García-Merino JA,Moreno-Pérez D,Van EC,Castelli FA,Fenaille F,Larrosa M

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

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

The Effect of Xylooligosaccharide, Xylan, and Whole Wheat Bran on the Human Gut Bacteria.

Frontiers in microbiology , Volume: 11 2020

Authors Chen M,Liu S,Imam KMSU,Sun L,Wang Y,Gu T,Wen B,Xin F

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

Exopolysaccharide Producing *Bifidobacterium animalis* subsp. *lactis* Strains Modify the Intestinal Microbiota and the Plasmatic Cytokine Levels of BALB/c Mice According to the Type of Polymer Synthesized.

Frontiers in microbiology , Volume: 11 2020

Authors Sabater C,Molinero-García N,Castro-Bravo N,Diez-Echave P,Hidalgo-García L,Delgado S,Sánchez B,Gálvez J,Margolles A,Ruas-Madiedo P

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

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

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

Berry Polyphenols and Fibers Modulate Distinct Microbial Metabolic Functions and Gut Microbiota Enterotype-Like Clustering in Obese Mice.

Frontiers in microbiology , Volume: 11 2020

Authors Rodríguez-Daza MC,Roquim M,Dudonné S,Pilon G,Levy E,Marette A,Roy D,Desjardins Y

Effects of Concurrent Omega-3 and Cranberry Juice Consumption Along with Standard Antibiotic Therapy on the Eradication of Helicobacter pylori, Gastrointestinal Symptoms, Some Serum Inflammatory and Oxidative Stress Markers in Adults with Helicobacter pylori Infection: A Study Protocol for a Randomized Controlled Trial.

Infection and drug resistance , Volume: 13 2020

Authors Zare Javid A,Maghsoomi-Norouzabad L,Bazyar H,Aghamohammadi V,Alavinejad P

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

FengLiao affects gut microbiota and the expression levels of Na⁺/H⁺ exchangers, aquaporins and acute phase proteins in mice with castor oil-Induced diarrhea.

PloS one , Volume: 15 Issue: 7 2020

Authors Chen W,Peng X,Yu J,Chen X,Yuan M,Xiang R,He L,Yu D,Kang H,Pan Y,Xu Z

Long-term Consumption of 2-O-?-D-Glucopyranosyl-L-ascorbic Acid from the Fruits of Lycium barbarum Modulates Gut Microbiota in C57BL/6 Mice.

Journal of agricultural and food chemistry , 2020 Jul 24

Authors Dong W,Huang K,Yan Y,Wan P,Peng Y,Zeng X,Cao Y

Effect of 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

Exercise training modulates the gut microbiota profile and impairs inflammatory signaling pathways in obese children.

Experimental & molecular medicine , Volume: 52 Issue: 7 2020 Jul

Authors Quiroga R,Nistal E,Estébanez B,Porras D,Juárez-Fernández M,Martínez-Flórez S,García-Mediavilla MV,de Paz

JA,González-Gallego J,Sánchez-Campos S,Cuevas MJ

Amoxicillin Increased Functional Pathway Genes and Beta-Lactam Resistance Genes by Pathogens Bloomed in Intestinal Microbiota Using a Simulator of the Human Intestinal Microbial Ecosystem.

Frontiers in microbiology , Volume: 11 2020

Authors Liu L,Wang Q,Lin H,Das R,Wang S,Qi H,Yang J,Xue Y,Mao D,Luo Y

Oral Supplements of Combined Bacillus licheniformis Zhengchangsheng® and Xylooligosaccharides Improve High-Fat Diet-Induced Obesity and Modulate the Gut Microbiota in Rats.

BioMed research international , Volume: 2020 2020

Authors Li Y,Liu M,Liu H,Wei X,Su X,Li M,Yuan J

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

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

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

Authors Skinner CM,Nookaew I,Ewing LE,Wongsurawat T,Jenjaroenpun P,Quick CM,Yee EU,Piccolo BD,ElSohly M,Walker

LA,Gurley B,Koturbash I

Lactobacillus murinus Improved the Bioavailability of Orally Administered Glycyrrhizic Acid in Rats.

Frontiers in microbiology , Volume: 11 2020

Authors Yuan T,Wang J,Chen L,Shan J,Di L

[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

[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

[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

[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

[Anti-obesity effects of α-amylase inhibitor enriched-extract from white common beans \(Phaseolus vulgaris L.\) associated with the modulation of gut microbiota composition in high-fat diet-induced obese rats.](#)**Food & function** , Volume: 11 Issue: 2 2020 Feb 26

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

[Bifidobacterium longum R0175 Protects Rats against d-Galactosamine-Induced Acute Liver Failure.](#)**mSphere** , Volume: 5 Issue: 1 2020 Jan 29

Authors Wang K,Lv L,Yan R,Wang Q,Jiang H,Wu W,Li Y,Ye J,Wu J,Yang L,Bian X,Jiang X,Lu Y,Xie J,Wang Q,Shen J,Li L

[Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome.](#)**Beneficial microbes** , Volume: 10 Issue: 8 2019 Dec 9

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

[Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.](#)**Nutrients** , Volume: 12 Issue: 1 2020 Jan 17

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

[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

[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

[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

[Wheat Gluten Regulates Cholesterol Metabolism by Modulating Gut Microbiota in Hamsters with Hyperlipidemia.](#)**Journal of oleo science** , Volume: 68 Issue: 9 2019

Authors Liang TT,Tong LT,Geng DH,Wang LL,Zhou XR,Pu HY,Jia W,Wu QP,Huang JR

[*Lactobacillus reuteri* DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.](#)**American journal of physiology. Gastrointestinal and liver physiology** , 2019 Sep 4

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM

[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

[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

[Exercise Training Modulates Gut Microbiota Profile and Improves Endotoxemia.](#)**Medicine and science in sports and exercise** , Volume: 52 Issue: 1 2020 Jan

Authors Motiani KK, Collado MC, Eskelinen JJ, Virtanen KA, Löyttyniemi E, Salminen S, Nuutila P, Kallioikoski KK, Hannukainen JC
Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.

Frontiers in immunology , Volume: 10 2019

Authors Azagra-Boronat I, Massot-Cladera M, Mayneris-Perxachs J, Knipping K, Van't Land B, Tims S, Stahl B, Garssen J, Franch À, Castell M, Rodríguez-Lagunas MJ, Pérez-Cano FJ

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

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

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

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

Bacteroides thetaiotaomicron Starch Utilization Promotes Quercetin Degradation and Butyrate Production by *Eubacterium ramulus*.

Frontiers in microbiology , Volume: 10 2019

Authors Rodríguez-Castaño GP, Dorris MR, Liu X, Bolling BW, Acosta-Gonzalez A, Rey FE

Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

Authors Chen M, Hou P, Zhou M, Ren Q, Wang X, Huang L, Hui S, Yi L, Mi M

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

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

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

A Pilot Study on Anti-Obesity Mechanisms of *Kappaphycus Alvarezii*: The Role of Native γ -Carrageenan and the Leftover Sans-Carrageenan Fraction.

Nutrients , Volume: 11 Issue: 5 2019 May 21

Authors Chin YX, Mi Y, Cao WX, Lim PE, Xue CH, Tang QJ

Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.

PloS one , Volume: 14 Issue: 5 2019

Authors Miljkovic M, Jovanovic S, O'Connor PM, Mirkovic N, Jovicic B, Filipic B, Dinic M, Studholme DJ, Fira D, Cotter PD, Kojic M

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

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

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

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

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

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

In vitro modulation of human gut microbiota composition and metabolites by *Bifidobacterium longum* BB-46 and a citric pectin.

Food research international (Ottawa, Ont.) , Volume: 120 2019 Jun

Authors Bianchi F, Larsen N, Tieghi TM, Adorno MAT, Saad SMI, Jespersen L, Sivieri K

The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.

Frontiers in nutrition , Volume: 6 2019

Authors Jefferson A, Adolphus K

Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.

Journal of agricultural and food chemistry , Volume: 67 Issue: 33 2019 Aug 21

Authors Han Y, Song M, Gu M, Ren D, Zhu X, Cao X, Li F, Wang W, Cai X, Yuan B, Goulette T, Zhang G, Xiao H

Intestinal Morphologic and Microbiota Responses to Dietary *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

The Effect of Psyllium Husk on Intestinal Microbiota in Constipated Patients and Healthy Controls.

International journal of molecular sciences , Volume: 20 Issue: 2 2019 Jan 20

Authors Jalanka J, Major G, Murray K, Singh G, Nowak A, Kurtz C, Silos-Santiago I, Johnston JM, de Vos WM, Spiller R

Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.

Gut microbes , 2018 Nov 5

Authors Valcheva R,Koleva P,Martínez I,Walter J,Gänzle MG,Dieleman LA

Simultaneous Supplementation of <i>Bacillus subtilis</i> and Antibiotic Growth Promoters by Stages Improved Intestinal Function of 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

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

Six-Week Endurance Exercise Alters Gut Metagenome That Is not Reflected in Systemic Metabolism in Over-weight Women.

Frontiers in microbiology , Volume: 9 2018

Authors Munukka E,Ahtiainen JP,Puigbó P,Jalkanen S,Pahkala K,Keskitalo A,Kujala UM,Pietilä S,Holmén M,Elo L,Huovinen P,D'Auria G,Pekkala S

Anti-inflammatory effects of Kaempferol on Helicobacter pylori-induced inflammation.

Bioscience, biotechnology, and biochemistry , Volume: 83 Issue: 1 2019 Jan

Authors Yeon MJ, Lee MH, Kim DH, Yang JY, Woo HJ, Kwon HJ, Moon C, Kim SH, Kim JB

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 <i>Bacillus amyloliquefaciens</i> 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

[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

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 SO, 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

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

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

Changes in metabolism and microbiota after 24-week risperidone treatment in drug naïve, normal weight patients with first episode schizophrenia.

Schizophrenia research , 2018 May 30

Authors Yuan X, Zhang P, Wang Y, Liu Y, Li X, Kumar BU, Hei G, Lv L, Huang XF, Fan X, Song X

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.

Food & function , Volume: 9 Issue: 5 2018 May 23

Authors Luo J, Han L, Liu L, Gao L, Xue B, Wang Y, Ou S, Miller M, Peng X

Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.

Nutrients , Volume: 10 Issue: 5 2018 May 8

Authors Klimenko NS, Tyakht AV, Popenko AS, Vasiliev AS, Altukhov IA, Ischenko DS, Shashkova TI, Efimova DA, Nikogosov DA, Osipenko DA, Musienko SV, Selezneva KS, Baranova A, Kurilshikov AM, Toshchakov SM, Korzhenkov AA, Samarov NI, Shevchenko MA, Tepluk AV, Alexeev DG

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

Frontiers in microbiology , Volume: 9 2018

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

[Role of *Lactobacillus reuteri* in Human Health and Diseases.](#)**Frontiers in microbiology** , Volume: 9 2018

Authors Mu Q,Tavella VJ,Luo XM

[The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.](#)**Molecular nutrition & food research** , 2018 Apr 17

Authors González-Sarriás A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC

[Extensive impact of non-antibiotic drugs on human gut bacteria.](#)**Nature** , Volume: 555 Issue: 7698 2018 Mar 29

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

[Multidrug-resistant gram-negative bacterial infections in a teaching hospital in Ghana.](#)**Antimicrobial resistance and infection control** , Volume: 7 2018

Authors Agyepong N,Govinden U,Owusu-Ofori A,Essack SY

[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

[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

[Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.](#)**Frontiers in microbiology** , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

[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

[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

[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

[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

[Update of incidence and antimicrobial susceptibility trends of Escherichia coli and Klebsiella pneumoniae isolates from Chinese intra-abdominal infection patients.](#)**BMC infectious diseases** , Volume: 17 Issue: 1 2017 Dec 18

Authors Zhang H,Yang Q,Liao K,Ni Y,Yu Y,Hu B,Sun Z,Huang W,Wang Y,Wu A,Feng X,Luo Y,Chu Y,Chen S,Cao B,Su J,Duan Q,Zhang S,Shao H,Kong H,Gui B,Hu Z,Badal R,Xu Y

[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

[Probiotics in 14-day triple therapy for Asian pediatric patients with Helicobacter pylori infection: a network meta-analysis.](#)**Oncotarget** , Volume: 8 Issue: 56 2017 Nov 10

Authors Wen J,Peng P,Chen P,Zeng L,Pan Q,Wei W,He J

[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

<i>Bifidobacterium infantis</i> 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

Exercise Alters Gut Microbiota Composition and Function in Lean and Obese Humans.**Medicine and science in sports and exercise** , Volume: 50 Issue: 4 2018 Apr

Authors Allen JM,Mailing LJ,Niemiro GM,Moore R,Cook MD,White BA,Holscher HD,Woods JA

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

Blockade of CB1 cannabinoid receptor alters gut microbiota and attenuates inflammation and diet-induced obesity.**Scientific reports** , Volume: 7 Issue: 1 2017 Nov 15

Authors Mehrpouya-Bahrami P,Chitralla KN,Ganewatta MS,Tang C,Murphy EA,Enos RT,Velazquez KT,McCellan J,Nagarkatti M,Nagarkatti P

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

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

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 Foulse 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

Moderate-Intensity Exercise Affects Gut Microbiome Composition and Influences Cardiac Function in Myocardial Infarction Mice.**Frontiers in microbiology** , Volume: 8 2017

Authors Liu Z,Liu HY,Zhou H,Zhan Q,Lai W,Zeng Q,Ren H,Xu D

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

Effects of One-Week Empirical Antibiotic Therapy on the Early Development of Gut Microbiota and Metabolites in Preterm Infants**Scientific Reports** , Volume: 7 2017 Aug 14

Authors Zhu D,Xiao S,Yu J,Ai Q,He Y,Cheng C,Zhang Y,Pan Y

Effects of oral florfenicol and azithromycin on gut microbiota and adipogenesis in mice.**PloS one** , Volume: 12 Issue: 7 2017

Authors Li R,Wang H,Shi Q,Wang N,Zhang Z,Xiong C,Liu J,Chen Y,Jiang L,Jiang Q

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

Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.**Scientific reports** , Volume: 7 Issue: 1 2017 Jul 17

Authors Suriano F, Bindels LB, Verspreet J, Courtin CM, Verbeke K, Cani PD, Neyrinck AM, Delzenne NM

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

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

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 Kaewtaapee C, Burbach K, Tomforde G, Hartinger T, Camarinha-Silva A, Heinritz S, Seifert J, Wltafsky M, Mosenthin R, Rosenfelder-Kuon P

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

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

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

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

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

Cytokine changes in gastric and colonic epithelial cell in response to *Planta ovata* extract.

Journal of complementary & integrative medicine , Volume: 14 Issue: 2 2017 Mar 21

Authors Yakoob J, Jafri W, Mehmood MH, Abbas Z, Tariq K

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

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

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

The Fungal Mycobiome and Its Interaction with Gut Bacteria in the Host.

International journal of molecular sciences , Volume: 18 Issue: 2 2017 Feb 4

Authors Sam QH, Chang MW, Chai LY

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

[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

[Prospective randomized controlled study on the effects of *Saccharomyces boulardii* CNCM I-745 and amoxicillin-clavulanate or the combination on the gut microbiota of healthy volunteers.](#)

Gut microbes, Volume: 8 Issue: 1 2017 Jan 2

Authors Kabbani TA, Pallav K, Dowd SE, Villafuerte-Galvez J, Vanga RR, Castillo NE, Hansen J, Dennis M, Leffler DA, Kelly CP

[Early-Life Sugar Consumption Affects the Rat Microbiome Independently of Obesity.](#)

The Journal of nutrition, Volume: 147 Issue: 1 2017 Jan

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

[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

[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

[Short- and long-term effects of oral vancomycin on the human intestinal microbiota.](#)

The Journal of antimicrobial chemotherapy, Volume: 72 Issue: 1 2017 Jan

Authors Isaac S, Scher JU, Djukovic A, Jiménez N, Littman DR, Abramson SB, Pamer EG, Ubeda C

[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

[To evaluate of the effect of adding licorice to the standard treatment regimen of *Helicobacter pylori*.](#)

The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases, Volume: 20 Issue: 6 2016 Nov-Dec

Authors Hajiaghamohammadi AA, Zargar A, Oveisi S, Samimi R, Reisian S

[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

[Altered Microbiota Contributes to Reduced Diet-Induced Obesity upon Cold Exposure.](#)

Cell metabolism, Volume: 23 Issue: 6 2016 Jun 14

Authors Zietak M, Kovatcheva-Datchary P, Markiewicz LH, Ståhlman M, Kozak LP, Bäckhed F

[In vitro bactericidal activity of promising nutraceuticals for targeting multidrug resistant *Pseudomonas aeruginosa*.](#)

Nutrition (Burbank, Los Angeles County, Calif.), Volume: 32 Issue: 7-8 2016 Jul-Aug

Authors Chakotiya AS, Chawla R, Thakur P, Tanwar A, Narula A, Grover SS, Goel R, Arora R, Sharma RK

[Effect of Formula Containing *Lactobacillus reuteri* DSM 17938 on Fecal Microbiota of Infants Born by Cesarean-Section.](#)

Journal of pediatric gastroenterology and nutrition, Volume: 63 Issue: 6 2016 Dec

Authors Garcia Rodenas CL, Lepage M, Ngom-Bru C, Fotiou A, Papagaroufalos K, Berger B

[Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.](#)

Journal of pediatric gastroenterology and nutrition, Volume: 63 Issue: 6 2016 Dec

Authors Berding K, Wang M, Monaco MH, Alexander LS, Mudd AT, Chichlowski M, Waworuntu RV, Berg BM, Miller MJ, Dilger RN, Donovan SM

[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

Diets enriched with cranberry beans alter the microbiota and mitigate colitis severity and associated inflammation.

The Journal of nutritional biochemistry , Volume: 28 2016 Feb

Authors Monk JM,Lepp D,Zhang CP,Wu W,Zarepoor L,Lu JT,Pauls KP,Tsao R,Wood GA,Robinson LE,Power KA

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

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,Yatsunenkov T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J

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

Prevention of Diet-Induced Obesity Effects on Body Weight and Gut Microbiota in Mice Treated Chronically with Δ^9 -Tetrahydrocannabinol.

PloS one , Volume: 10 Issue: 12 2015

Authors Cluny NL,Keenan CM,Reimer RA,Le Foll B,Sharkey KA

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

Immunomodulatory Effects of Psyllium Extract on *Helicobacter pylori* Interaction With Gastric Epithelial Cells.

Journal of evidence-based complementary & alternative medicine , Volume: 21 Issue: 4 2016 Oct

Authors Yakoob J,Jafri W,Mehmood MH,Abbas Z,Tariq K

Effects of dietary supplementation with lysine-yielding *Bacillus subtilis* on gut morphology, cecal microflora, and intestinal immune response of Linwu ducks.

Journal of animal science , Volume: 93 Issue: 7 2015 Jul

Authors Xing Y,Wang S,Fan J,Oso AO,Kim SW,Xiao D,Yang T,Liu G,Jiang G,Li Z,Li L,Zhang B

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

Saccharomyces boulardii CNCM I-745 supports regeneration of the intestinal microbiota after diarrheic dysbiosis - a review.

Clinical and experimental gastroenterology , Volume: 8 2015

Authors Moré M,Swidsinski A

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

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

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

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 JJ,Gosalbes MJ,Macià A,Rubió L,Vázquez-Castellanos JF,Jiménez Hernández N,Moya A,Latorre A,Motilva MJ

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,Finagold 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 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

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

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

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

In vitro fermentation of fructooligosaccharides with human gut bacteria.

Food & function , Volume: 6 Issue: 3 2015 Mar

Authors Mao B, Li D, Zhao J, Liu X, Gu Z, Chen YQ, Zhang H, Chen W

Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.

Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun

Authors Wang M, Li M, Wu S, Lebrilla CB, Chapkin RS, Ivanov I, Donovan SM

Whole grain oats improve insulin sensitivity and plasma cholesterol profile and modify gut microbiota composition in C57BL/6J mice.

The Journal of nutrition , Volume: 145 Issue: 2 2015 Feb

Authors Zhou AL, Hergert N, Rompato G, Lefevre M

Intestinal microbial dysbiosis and colonic epithelial cell hyperproliferation by dietary α -mangostin is independent of mouse strain.

Nutrients , Volume: 7 Issue: 2 2015 Jan 22

Authors Gutierrez-Orozco F, Thomas-Ahner JM, Galley JD, Bailey MT, Clinton SK, Lesinski GB, Failla ML

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

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 prebiotics on the fecal microbiota of elderly volunteers after dietary supplementation of *Bacillus coagulans* GBI-30, 6086.

Anaerobe , Volume: 30 2014 Dec

Authors Nyangale EP, Farmer S, Keller D, Chernoff D, Gibson GR

Synbiotic *Lactobacillus acidophilus* NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial.

FEMS microbiology ecology , Volume: 90 Issue: 1 2014 Oct

Authors van Zanten GC, Krych L, Røytö H, Forssten S, Lahtinen SJ, Abu Al-Soud W, Sørensen S, Svensson B, Jespersen L, Jakobsen M

Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW, Pinchak WE, Dowd S, Dorton K, Yoon I, Min BR, Fulford JD, Wickersham TA, Malinowski DP

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

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

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

In vitro activity of tigecycline and comparators against Gram-positive and Gram-negative isolates collected from the Middle East and Africa between 2004 and 2011

International journal of antimicrobial agents , Volume: 43 Issue: 2 2014 Feb

Authors Kanj SS, Whitelaw A, Dowzicky MJ

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, Mhuanong W, Laothanachareon T, Tangphatsornruang S, Pattarajinda V, Eurwilaichitr L, Champreda V

Gut microbiome composition is linked to whole grain-induced immunological improvements.

The ISME journal , Volume: 7 Issue: 2 2013 Feb

Authors Martínez I, Lattimer JM, Hubach KL, Case JA, Yang J, Weber CG, Louk JA, Rose DJ, Kyureghian G, Peterson DA, Haub MD, Walter J

Does the piperacillin minimum inhibitory concentration for Pseudomonas aeruginosa influence clinical outcomes of children with pseudomonal bacteremia?

Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 55 Issue: 6 2012 Sep

Authors Tamma PD, Turnbull AE, Milstone AM, Hsu AJ, Carroll KC, Cosgrove SE

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

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

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

The antimicrobial action of chitosan, low molar mass chitosan, and chitooligosaccharides on human colonic bacteria.

Folia microbiologica , Volume: 57 Issue: 4 2012 Jul

Authors Simunek J, Brandysová V, Koppová I, Simunek J Jr

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

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, Abdulamir AS, Vern LS, Abu Bakar F, Abas F, Jahanshiri F, Sekawi Z

Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.

Pharmaceutical biology , Volume: 49 Issue: 4 2011 Apr

Authors Özçelik B, Kartal M, Orhan I

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

Short-term antibiotic treatment has differing long-term impacts on the human throat and gut microbiome.

PloS one , Volume: 5 Issue: 3 2010 Mar 24

Authors Jakobsson HE, Jernberg C, Andersson AF, Sjölund-Karlsson M, Jansson JK, Engstrand L

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

Ceftazidime, a pseudomonas-active cephalosporin: in-vitro antimicrobial activity evaluation including recommendations for disc diffusion susceptibility tests.

The Journal of antimicrobial chemotherapy , Volume: 8 Suppl B 1981 Sep

Authors Jones RN, Barry AL, Thornsberry C, Gerlach EH, Fuchs PC, Gavan TL, Sommers HM

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

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

[Surveillance of antimicrobial resistance among nosocomial gram-negative pathogens from 15 teaching hospitals in China in 2005].

Zhonghua yi xue za zhi , Volume: 87 Issue: 39 2007 Oct 23

Authors Yang QW,Xu YC,Chen MJ,Hu YJ,Ni YX,Sun JY,Yu YS,Kong HS,He L,Wu WY,Ye HF,Yang YM,Zhu LN,Guo SH,ji P,Zhu ZH,Ren JK,Zhang LX,Sun ZY,Zhu XH,Tong MQ,Zhao WS,Mei YN,Liu Y,Zhang ZJ,Duan Q,Li D,Liu PP,Wang J,Han LX,Wang H,Xie XL

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

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

Berry anthocyanins as novel antioxidants in human health and disease prevention.

Molecular nutrition & food research , Volume: 51 Issue: 6 2007 Jun

Authors Zafrá-Stone S,Yasmin T,Bagchi M,Chatterjee A,Vinson JA,Bagchi D

Bacteremia in children at a regional hospital in Trinidad.

International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases , Volume: 11 Issue: 2 2007 Mar

Authors Orrett FA,Changoor E

Effects of combining extracts (from propolis or Zingiber officinale) with clarithromycin on Helicobacter pylori.

Phytotherapy research : PTR , Volume: 20 Issue: 3 2006 Mar

Authors Nostro A,Cellini L,Di Bartolomeo S,Cannatelli MA,Di Campli E,Procopio F,Grande R,Marzio L,Alonzo V

Inhibition of Helicobacter pylori in vitro by various berry extracts, with enhanced susceptibility to clarithromycin.

Molecular and cellular biochemistry , Volume: 265 Issue: 1-2 2004 Oct

Authors Chatterjee A,Yasmin T,Bagchi D,Stohs SJ

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.

Glycosylated compounds from okra inhibit adhesion of Helicobacter pylori to human gastric mucosa.

Journal of agricultural and food chemistry , Volume: 52 Issue: 6 2004 Mar 24

Authors Lengsfeld C,Titgemeyer F,Faller G,Hensel A

Argentinean collaborative multicenter study on the in vitro comparative activity of piperacillin-tazobactam against selected bacterial isolates recovered from hospitalized patients.

Diagnostic microbiology and infectious disease , Volume: 47 Issue: 3 2003 Nov

Authors Casellas JM,Tomé G,Bantar C,Bertolini P,Blázquez N,Borda N,Couto E,Cudmani N,Guerrera J,Juárez MJ,López T,Littvik A,Méndez E,Notario R,Ponce G,Quinteros M,Salamone F,Sparo M,Sutich E,Vaylet S,Wolff L

Anti-Helicobacter pylori flavonoids from licorice extract.

Life sciences , Volume: 71 Issue: 12 2002 Aug 9

Authors Fukai T,Marumo A,Kaitou K,Kanda T,Terada S,Nomura T

Evaluation of N-acetylchitooligosaccharides as the main carbon sources for the growth of intestinal bacteria.

FEMS microbiology letters , Volume: 209 Issue: 1 2002 Mar 19

Authors Chen HC,Chang CC,Mau WJ,Yen LS

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 .

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

[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,Rouby Y,Teyssou R

[Comparative effects of moxifloxacin and clarithromycin on the normal intestinal microflora.](#)

Scandinavian journal of infectious diseases , Volume: 32 Issue: 1 2000

Authors Edlund C,Beyer G,Hiemer-Bau M,Ziege S,Lode H,Nord CE

[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

[Helicobacter pylori eradication treatment reduces the severity of rosacea.](#)

Journal of the American Academy of Dermatology , Volume: 40 Issue: 3 1999 Mar

Authors Utas S,Ozbakir O,Turason A,Utas C

[\[Relationship between the sensitivity of Pseudomonas aeruginosa and the post-antibiotic effect of sparfloxacin and ciprofloxacin\].](#)

Revista espanola de quimioterapia : publicacion oficial de la Sociedad Espanola de Quimioterapia , Volume: 11 Issue: 4 1998 Dec

Authors Pastor A,Cantón E,Pemán J

[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

[Efficacy and safety of high dose intravenous ciprofloxacin in the treatment of bacterial pneumonia. Italian Ciprofloxacin Study Group.](#)

International journal of antimicrobial agents , Volume: 10 Issue: 3 1998 Aug

Authors Periti P,Mazzei T,Curti ME

[\[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,Terao 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

[Cefuroxime compared to amoxicillin-clavulanic acid in the treatment of community-acquired pneumonia.](#)

Singapore medical journal , Volume: 37 Issue: 3 1996 Jun

Authors Oh HM,Ng AW,Lee SK

[In vitro evaluation of activities of nitazoxanide and tizoxanide against anaerobes and aerobic organisms.](#)

Antimicrobial agents and chemotherapy , Volume: 40 Issue: 10 1996 Oct

Authors Dubreuil L,Houcke I,Mouton Y,Rossignol JF

[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

[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

[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

[\[Evaluation of imipenem/cilastatin sodium in the treatment of respiratory tract infections\].](#)

The Japanese journal of antibiotics , Volume: 43 Issue: 1 1990 Jan

Authors Shimokata K,Kawazu H,Nishiwaki K,Yamamoto M,Sakai S,Senda Y,Torii Y,Amano H,Saka H,Saito H

[Topical norfloxacin therapy in Pseudomonas corneal ulceration.](#)

Cornea , Volume: 10 Issue: 3 1991 May

Authors Vajpayee RB,Gupta SK,Angra SK,Munjial A

Additional sources and private correspondance

Private Correspondance , Volume: 1 Issue: 2018

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Biofilm

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)

Carcinoma

cdkl5 deficiency disorder

Celiac Disease

Cerebral Palsy

Chronic Fatigue Syndrome

Chronic Kidney Disease

Chronic Lyme

Chronic Obstructive Pulmonary Disease (COPD)

Chronic Urticaria (Hives)

Coagulation / Micro clot triggering bacteria

Cognitive Function

Colorectal Cancer

Constipation

Coronary artery disease

COVID-19

Crohn's Disease

Cushing's Syndrome (hypercortisolism)

cystic fibrosis

d-lactic acidosis (one form of brain fog)

deep vein thrombosis

Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
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