

Microbiome Information for: Atherosclerosis

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 Atherosclerosis

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
Bacteroidia	class	Low	200643	Candida albicans	species	High	5476
Chlamydiaceae	family	High	809	Chlamydia pneumoniae	species	High	83558
Acidaminococcus	genus	High	904	Coxiella burnetii	species	High	777
Actinobacillus	genus	High	713	Dialister succinatiphilus	species	High	487173
Akkermansia	genus	Low	239934	Enterococcus faecalis	species	High	1351
Bifidobacterium	genus	High	1678	Escherichia coli	species	High	562
Chlamydia	genus	High	810	Eubacterium coprostanoligenes	species	Low	290054
Clostridium	genus	Low	1485	Eubacterium xylanophilum	species	Low	39497
Collinsella	genus	High	102106	Faecalibacterium prausnitzii	species	High	853
Edwardsiella	genus	High	635	Fusobacterium varium	species	High	856
Erwinia	genus	High	551	Helicobacter pylori	species	High	210
Eubacterium	genus	Low	1730	Limosilactobacillus fermentum	species	High	1613
Fusobacterium	genus	High	848	Mycoplasmoides pneumoniae	species	High	2104
Helicobacter	genus	High	209	Odoribacter splanchnicus	species	Low	28118
Lactobacillus	genus	High	1578	Phocaeicola dorei	species	Low	357276
Prevotella	genus	High	838	Phocaeicola vulgatus	species	Low	821
Proteus	genus	High	583	Porphyromonas gingivalis	species	High	837
Providencia	genus	High	586	Prevotella intermedia	species	High	28131
Rikenella	genus	Low	28138	Proteus mirabilis	species	High	584
Roseburia	genus	Low	841	Pseudoflavonifractor capillosus	species	High	106588
Ruminococcus	genus	High	1263	Pseudomonas aeruginosa	species	High	287
Actinomyces oris	species	High	544580	Roseburia intestinalis	species	Low	166486
Bacteroides fragilis	species	High	817	Tannerella forsythia	species	High	28112
				Treponema denticola	species	High	158

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

Galacto-oligosaccharides {GOS}

High glycemic diet {High-sugar diet (HSD)}

long-term, moderate-intensity exercise {exercise}

oligosaccharides {oligosaccharides}

resistant starch

synthetic disaccharide derivative of lactose {Lactulose}

Tobacco consumption {Smoking}

Retail Probiotics

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

theramedix / probiotic
jarrow formulas / bifidus balance® + fos
naturopathica (au) / gastrohealth fibrepro
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
nature's way (au) / restore probiotic bowel & colon health 30s
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+ bowel support
blackmore (au) / probiotics+ daily health
Physician Choice /60 Billion Probiotics

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.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine}
3,3',4',5,7-pentahydroxyflavone {Quercetin}
acetylsalicylic acid, aspirin
azithromycin, [CFS]
Diferuloylmethane {Curcumin}
doxycycline [CFS]
gentamicin

Lactaseibacillus rhamnosus {l. rhamnosus}
macrolide ()
Propolis {Bee glue}
resveratrol-pterostilbene {grapes, blueberries}
schisandra chinensis {magnolia berry}
Thymus vulgaris {thyme}
Vaccinium {Cranberry}
Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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

Deciphering the Interrelation of Gut Microbiota and BMI in Atherosclerosis: A Metagenomic Approach.

Canadian journal of microbiology , 2025 Nov 26

Authors Palanisamy H,Vidyalakshmi S

Low Bacteroides abundance is related to endothelial dysfunction in type 2 diabetes.

Diabetes research and clinical practice , 2025 Sep 25

Authors Omura-Ohata Y,Son C,Makino H,Koezuka R,Tochiya M,Matsubara M,Honda-Kohmo K,Tamanaha T,Noguchi M,Tomita T,Tastumi Y,Kuwabara M,Watanabe K,Kimura I,Hosoda K,Miyamoto Y,Yasuda S

Phocaeicola dorei and Phocaeicola vulgatus Protect against Atherosclerosis by Regulating Gut Immunity.

Journal of atherosclerosis and thrombosis , 2025 Jun 18

Authors Nakashima H,Shinohara R,Emoto T,Saito Y,Yoshida N,Hirata KI,Murakami T,Mori H,Toyoda A,Sugiyama T,Yamada T,Yamashita T

From coughs to complications: the story of Chlamydia pneumoniae.

Journal of medical microbiology , Volume: 74 Issue: 4 2025 Apr

Authors Tagini F,Puolakkainen M,Greub G,On Behalf Of The Escmid Study Group For Mycoplasma And Chlamydia Infections Esgmac

Gut microbiota diversity and composition in patients with atherosclerosis analyzed using full-length 16S rRNA gene sequencing.

Minerva cardiology and angiology , 2025 Mar 28

Authors Guo SK,Xu Y,Dai ST,Wang YZ,Zhang J,Hou DZ,Li RG,Gong KM

Comparison of the oral microbiota of patients with atherosclerosis and healthy controls by denaturing gradient gel electrophoresis.

Cellular and molecular biology (Noisy-le-Grand, France) , Volume: 70 Issue: 8 2024 Sep 8

Authors Nazari Z,Ramin Abiri,Mohajerani HR

Candida albicans accelerates atherosclerosis by activating intestinal hypoxia-inducible factor2a signaling.

Cell host & microbe , Volume: 32 Issue: 6 2024 Jun 12

Authors Wang X,Zhou S,Hu X,Ye C,Nie Q,Wang K,Yan S,Lin J,Xu F,Li M,Wu Q,Sun L,Liu B,Zhang Y,Yun C,Wang X,Liu H,Yin WB,Zhao D,Hang J,Zhang S,Jiang C,Pang Y

Helicobacter cinaedi bacterium association with atherosclerosis and other diseases.

Frontiers in microbiology , Volume: 15 2024

Authors Voronina AK,Arapidi GP

The potential pathogenic role of gut microbiota in rheumatic diseases: a human-centred narrative review.

Internal and emergency medicine , 2023 Dec 23

Authors Bixio R,Bertelle D,Bertoldo E,Morciano A,Rossini M

GUT MICROBIOTA COMPOSITION AND ITS METABOLITES CHANGES IN PATIENTS WITH ATHEROSCLEROSIS AND ATRIAL FIBRILLATION.

Wiadomosci lekarskie (Warsaw, Poland : 1960) , Volume: 75 Issue: 12 2022

Authors Melnychuk I,Lizogub VG

Implications of Porphyromonas gingivalis peptidyl arginine deiminase and gingipain R in human health and diseases.

Frontiers in cellular and infection microbiology , Volume: 12 2022

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

Chlamydia pneumoniae and Mycoplasma pneumoniae as Two Emerging Risk Factors in Atherosclerosis: Meta-Analysis Study and Systematic Review.

Infectious disorders drug targets , Volume: 22 Issue: 1 2022

Authors Jalili M,Nourmohammadi H,Sayehmiri K

Exploration of Crucial Mediators for Carotid Atherosclerosis Pathogenesis Through Integration of Microbiome, Metabolome, and Transcriptome.

Frontiers in physiology , Volume: 12 2021

Authors Ji L,Chen S,Gu G,Zhou J,Wang W,Ren J,Wu J,Yang D,Zheng Y

Proteus mirabilis Targets Atherosclerosis Plaques in Human Coronary Arteries via DC-SIGN (CD209).

Frontiers in immunology , Volume: 11 2020

Authors Xue Y,Li Q,Park CG,Klena JD,Anisimov AP,Sun Z,Wei X,Chen T

Metagenomic analysis of the gut microbiome in atherosclerosis patients identify cross-cohort microbial signatures and potential therapeutic target.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 34

Issue: 11 2020 Nov

Authors Liu S,Zhao W,Liu X,Cheng L

[Deficiency of Nucleotide-binding oligomerization domain-containing proteins \(NOD\) 1 and 2 reduces atherosclerosis.](#)

Basic research in cardiology , Volume: 115 Issue: 4 2020 Jun 25

Authors Vlacil AK,Schuett J,Ruppert V,Soufi M,Oberoi R,Shahin K,Wächter C,Tschernig T,Lei Y,Liu F,Tietge UJF,Schieffer B,Schuett H,Grote K

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

Microorganisms , Volume: 8 Issue: 1 2020 Jan 17

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

[Gut microbiome as a biomarker of cardiometabolic disorders.](#)

Annals of agricultural and environmental medicine : AAEM , Volume: 24 Issue: 3 2017 Sep 21

Authors Gózd-Barszczewska A,Kozioł-Montevka M,Barszczewski P,Młodzinska A,Huminska K

[A single infection with Chlamydia pneumoniae is sufficient to exacerbate atherosclerosis in ApoE deficient mice.](#)

Cellular immunology , Volume: 294 Issue: 1 2015 Mar

Authors Sorrentino R,Yilmaz A,Schubert K,Crother TR,Pinto A,Shimada K,Arditi M,Chen S

[Coxiella burnetii: a new player in atherosclerosis or an innocent bystander?](#)

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 21 Issue: 4 2015 Apr

Authors Chatzidimitriou D,Gavrilaki E,Kirmizis D,Tzimagiorgis G

[Distinct gene signatures in aortic tissue from ApoE^{-/-} mice exposed to pathogens or Western diet.](#)

BMC genomics , Volume: 15 Issue: 1 2014 Dec 24

Authors Kramer CD,Weinberg EO,Gower AC,He X,Mekasha S,Slocum C,Beaulieu LM,Wetzler L,Alekseyev Y,Gibson FC 3rd,Freedman JE,Ingalls RR,Genco CA

[Porphyromonas gingivalis HSP60 peptides have distinct roles in the development of atherosclerosis.](#)

Molecular immunology , Volume: 63 Issue: 2 2015 Feb

Authors Jeong E,Kim K,Kim JH,Cha GS,Kim SJ,Kang HS,Choi J

[Insights into the antiatherogenic molecular mechanisms of andrographolide against Porphyromonas gingivalis-induced atherosclerosis in rabbits.](#)

Naunyn-Schmiedeberg's archives of pharmacology , Volume: 387 Issue: 12 2014 Dec

Authors Al Batran R,Al-Bayaty F,Al-Obaidi MM,Ashrafi A

[Porphyromonas gingivalis infection enhances Th17 responses for development of atherosclerosis.](#)

Archives of oral biology , Volume: 59 Issue: 11 2014 Nov

Authors Cai Y,Kobayashi R,Hashizume-Takizawa T,Kurita-Ochiai T

[Transglutaminase 2 is essential for adherence of Porphyromonas gingivalis to host cells.](#)

Proceedings of the National Academy of Sciences of the United States of America , Volume: 111 Issue: 14 2014 Apr 8

Authors Boisvert H,Lorand L,Duncan MJ

[Tannerella forsythia BspA increases the risk factors for atherosclerosis in ApoE\(-/-\) mice.](#)

Oral diseases , Volume: 20 Issue: 8 2014 Nov

Authors Lee HR,Jun HK,Choi BK

[Chlamydia pneumoniae infection induces vascular smooth muscle cell migration via Rac1 activation.](#)

Journal of medical microbiology , Volume: 63 Issue: Pt 2 2014 Feb

Authors Zhang J,Wang H,Zhang L,Zhang T,Wang B,Li X,Wei J,Zhang L

[Chlamydia pneumoniae infection promotes vascular smooth muscle cell migration through a Toll-like receptor 2-related signaling pathway.](#)

Infection and immunity , Volume: 81 Issue: 12 2013 Dec

Authors Wang B,Zhang L,Zhang T,Wang H,Zhang J,Wei J,Shen B,Liu X,Xu Z,Zhang L

[Role of JNK and NF- \$\kappa\$ B pathways in Porphyromonas gingivalis LPS-induced vascular cell adhesion molecule-1 expression in human aortic endothelial cells.](#)

Molecular medicine reports , Volume: 8 Issue: 5 2013 Nov

Authors Liu B,Wang J,Cheng L,Liang J

[\[An animal experiment study on the effect of periodontitis on atherosclerosis\].](#)

Hua xi kou qiang yi xue za zhi = Huaxi kouqiang yixue zazhi = West China journal of stomatology , Volume: 30 Issue: 3 2012 Jun

Authors Wang Z,Zhang M,Yu Z,Shui Y,Ding Y,Lei Y

[Early atherosclerotic plaques show evidence of infection by Chlamydia pneumoniae.](#)

Frontiers in bioscience (Elite edition) , Volume: 4 Issue: 7 2012 Jun 1

Authors Luque A,Turu MM,Rovira N,Juan-Babot JO,Slevin M,Krupinski J

[Porphyromonas gingivalis and its lipopolysaccharide differentially regulate the expression of cathepsin B in endothelial cells.](#)

Molecular oral microbiology , Volume: 27 Issue: 3 2012 Jun

Authors Huck O,Elkaim R,Davideau JL,Tenenbaum H

[\[Role of several periodontopathogenic microorganisms and tlr4 gene Asp299Gly polymorphism in atherosclerosis pathogenesis\].](#)

Zhurnal mikrobiologii, epidemiologii i immunobiologii , Issue: 5 2011 Sep-Oct

Authors Skochko OV,Bobrova NA,Izmaylova OV,Kaidashev IP

[Association of hyperhomocysteinemia and Chlamydia pneumoniae infection with carotid atherosclerosis and coronary artery disease in Japanese patients.](#)

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 14 Issue: 3 2008 Jun

Authors Sawayama Y,Tatsukawa M,Maeda S,Ohnishi H,Furusyo N,Hayashi J

[Chronic infections and atherosclerosis.](#)

Annals of the New York Academy of Sciences , Volume: 1108 2007 Jun

Authors Ayada K,Yokota K,Kobayashi K,Shoenfeld Y,Matsuura E,Oguma K

[The effects of recurrent Pseudomonas aeruginosa infection on pulmonary parenchyma and vasculature in rats fed on a cholesterol-rich diet.](#)

Experimental lung research , Volume: 32 Issue: 7 2006 Aug

Authors Ozbudak O,Ogus C,Saba R,Turkay C,Sahin N,Ozbilim G,Kiliçarslan B

[Multiple inflammatory markers in patients with significant coronary artery disease.](#)

International journal of cardiology , Volume: 118 Issue: 1 2007 May 16

Authors Videm V,Wiseth R,Gunnes S,Madsen HO,Garred P

[Immune responses to heat shock protein in Porphyromonas gingivalis-infected periodontitis and atherosclerosis patients.](#)

Journal of periodontal research , Volume: 38 Issue: 4 2003 Aug

Authors Chung SW,Kang HS,Park HR,Kim SJ,Kim SJ,Choi JI

[Higher prevalence of Chlamydia pneumoniae seropositivity in Finnish twins compared with co-twins living in Sweden: relationships with markers of subclinical atherosclerosis.](#)

Clinical science (London, England : 1979) , Volume: 105 Issue: 3 2003 Sep

Authors Jartti L,Raitakari OT,Järvisalo MJ,Hammar N,Kaprio J,Koskenvuo M,Marniemi J,Saikk P,Rönnemaa T

[Role of Chlamydia pneumoniae-infected macrophages in atherosclerosis developments of the carotid artery.](#)

Neuropathology : official journal of the Japanese Society of Neuropathology , Volume: 23 Issue: 1 2003 Mar

Authors Kuroda S,Kobayashi T,Ishii N,Ikeda J,Shinohe Y,Houkin K,Iwasaki Y,Nagashima K

[\[The role of Chlamydia pneumoniae infection in the development of atherosclerosis in humans\].](#)

Polskie Archiwum Medycyny Wewnętrznej , Volume: 108 Issue: 6 2002 Dec

Authors Kotyla PJ,Sliwinska-Kotyla B,Kucharz EJ

[\[No detection of Chlamydia pneumoniae in normal and atherosclerotic femoral arteries by polymerase chain reaction \(PCR\)-an autopsy study\].](#)

Zeitschrift fur Kardiologie , Volume: 92 Issue: 3 2003 Mar

Authors Wessely S,Mall G

[Chlamydia pneumoniae and atherosclerosis.](#)

Acta chirurgica Belgica , Volume: 102 Issue: 5 2002 Oct

Authors Hoymans VY,Bosmans JM,Ieven M,Vrints CJ

[Chlamydia pneumoniae and hyperlipidemia are co-risk factors for atherosclerosis: infection prior to induction of hyperlipidemia does not accelerate development of atherosclerotic lesions in C57BL/6J mice.](#)

Infection and immunity , Volume: 70 Issue: 9 2002 Sep

Authors Blessing E,Campbell LA,Rosenfeld ME,Kuo CC

[Chlamydia pneumoniae infection significantly exacerbates aortic atherosclerosis in an LDLR-/- mouse model within six months.](#)

Molecular and cellular biochemistry , Volume: 215 Issue: 1-2 2000 Dec

Authors Liu L,Hu H, Ji H,Murdin AD,Pierce GN,Zhong G

[Effect of azithromycin on murine arteriosclerosis exacerbated by Chlamydia pneumoniae.](#)

The Journal of infectious diseases , Volume: 183 Issue: 2 2001 Jan 15

Authors Rothstein NM,Quinn TC,Madico G,Gaydos CA,Lowenstein CJ

[Chlamydia pneumoniae and other risk factors for atherosclerosis.](#)

The Journal of infectious diseases , Volume: 181 Suppl 3 2000 Jun

Authors Leinonen M

[Background and current knowledge of Chlamydia pneumoniae and atherosclerosis.](#)

The Journal of infectious diseases , Volume: 181 Suppl 3 2000 Jun

Authors Grayston JT

[Can an antibiotic \(macrolide\) prevent Chlamydia pneumoniae-induced atherosclerosis in a rabbit model?](#)

Clinical and diagnostic laboratory immunology , Volume: 6 Issue: 6 1999 Nov

Authors Fong IW,Chiu B,Viira E,Jang D,Fong MW,Peeling R,Mahony JB

[Infection as a risk factor for infarction and atherosclerosis.](#)

Annals of medicine , Volume: 23 Issue: 5 1991

Authors Valtonen VV

[Additional sources and private correspondence](#)

Private Correspondance , Volume: 1 Issue: 2018

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

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

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

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

The Journal of nutritional biochemistry , 2026 Jan 15

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

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

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

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

[Age-dependent effects of exercise on gut microbiota-mitochondria axis and cognitive function in aging mice.](#)

Journal of exercise rehabilitation , Volume: 21 Issue: 6 2025 Dec

Authors Park SS,Park HS,Choi GR,Kim SH,Kim TW

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

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

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

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

Frontiers in microbiology , Volume: 16 2025

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

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

Journal of ethnopharmacology , Volume: 360 2025 Dec 31

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

[Body Composition, Microbiome and Physical Activity in Workers Under Intermittent Hypobaric Hypoxia.](#)

Nutrients , Volume: 17 Issue: 24 2025 Dec 15

Authors Torres-Mejías J,Arriaza K,Mena F,Rivarola E,Paredes P,Ahmad H,López I,Soza D,Pino-Villalón JL,López-Espinoza MÁ,Duran-Agüero S,Merellano-Navarro E

[Optimising exercise intensity for gut health: Effect on microbiota composition, barrier integrity and inflammation in male Wistar rats.](#)

Experimental physiology , 2025 Dec 28

Authors Sylviana N,Karisa P,Romadona NF,Megantara I

[Lactulose as a prebiotic improved the intestinal health and metabolism of geese.](#)

Frontiers in veterinary science , Volume: 12 2025

Authors Wang X,Ye P,Zhu J,Zhu X,He X,Meng Y,Cao S,Zhao L

[Lactiseibacillus rhamnosus MS27 Potentially Prevents Ulcerative Colitis Through Modulation of Gut Microbiota.](#)

International journal of molecular sciences , Volume: 26 Issue: 23 2025 Nov 25

Authors Zhang J,Shen J,Li L,Tan P,Liu C,Zhang X,Ma X

[Resveratrol as an Adjunct Antiviral Agent in Pediatric Viral Infections: A Review on Mechanistic Insights and Gut Microbiota Modulation.](#)

International journal of molecular sciences , Volume: 26 Issue: 23 2025 Nov 24

Authors Leonardi R,Lo Bianco M,Spinello S,Betta P,Gagliano C,Calabrese V,Polizzi A,Malaguarnera G

[Berberine suppresses colon inflammation via integrated modulation of host metabolism, microbial ecology, and innate immune signaling.](#)

Theranostics , Volume: 16 Issue: 4 2026

Authors Xiao Y,Li X,Fang Y,Guo M,Shui M,Zhong G,Zhou H,Lin C,Sun B,Wang S

[Resveratrol ameliorates early-weaning stressed calves via alterations in gut microbiome and metabolome.](#)

Journal of dairy science , 2025 Dec 3

Authors Ma X,Wang D,Kuang Y,Nan S,Niu Y,Wu Y,Zhang W

A 30% high-fiber diet mitigates oxidative stress and inflammation while modulating cecal microbiota in rats undergoing high-intensity exercise.

BMC sports science, medicine & rehabilitation , 2025 Nov 29

Authors Athari SZ,Amoghli Tabrizi B,Khakpour M,Kianfar N,Khani E,Abbasi A,Nourazar MA

Quercetin hybrid-hydrogel microparticles modulate gut microbiota and improve memory in an antibiotic-induced dysbiosis rat model.

Scientific reports , Volume: 15 Issue: 1 2025 Nov 25

Authors Parappilly SJ,Vasu DA,Krishnan KAA,Yadukrishnan MB,Mohan MC,Pradeep M,Deepti A,Aneesa PA,Krishnakumar IM,Chakrapani PSB

Quercetin as a Novel Antidepressant: Mechanistic Insights into Its Neuroprotective and Anti-inflammatory Effects.

Molecular neurobiology , Volume: 63 Issue: 1 2025 Nov 24

Authors Fan X,Wang Z,Sun L,Qin Y,Liu Y,Wu S,Du L

Unveiling the survivability of probiotic CA15 strain with and without fluconazole co-administration and its effect on gut microbiota and metabolome through SHIME® model.

Food research international (Ottawa, Ont.) , Volume: 222 Issue: Pt 2 2025 Dec

Authors Vaccalluzzo A,Celano G,Calabrese FM,Pino A,Caggia C,De Angelis M,Randazzo CL

Study on the Effects of Doxycycline Treatment on Endometrial Microbiota and Pregnancy Outcomes in Chronic Endometritis.

American journal of reproductive immunology (New York, N.Y. : 1989) , Volume: 94 Issue: 5 2025 Nov

Authors Guo H,Chen L,Liu L

Metabolomics reveals the mechanisms of action of fosfomycin and azithromycin combination in the treatment of Pseudomonas aeruginosa.

Frontiers in cellular and infection microbiology , Volume: 15 2025

Authors Zhao Z,Diao S,Song M,Cao X,Zhao Y,Yu M,Lv Z,Sy SKB,Yang H

Gut microbiota composition and long-term physical activity in healthy older adults at high and low performance levels.

Experimental gerontology , Volume: 212 2025 Nov 4

Authors Fiorilli G,Medoro A,Viciani E,di Cagno A,Calcagno G,Di Costanzo A,Castagnetti A,Scapagnini G,Davinelli S

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

Multi-Strain Probiotics Alleviate Alcoholic Liver Disease Via Microbiota-Metabolism Axis: A Randomized Controlled Study.

Probiotics and antimicrobial proteins , 2025 Nov 3

Authors Feng J,Wu J,Zhang M,Chen W,Zhao J,Lv Y,Lai R,Fang S,Li Y

Lactisacibacillus rhamnosus BELR47 Mitigates Inflammatory Response in a Gardnerella vaginalis-Induced Bacterial Vaginosis Mouse Model via Gut Microbiome Modulation.

Probiotics and antimicrobial proteins , 2025 Oct 27

Authors Bae HJ,Lee DH,Choi HS,Lim HJ,Chung EC,Oh NS

Effects of home-based exercise training on gut microbiota and possible relations with cognitive function and metabolic health in postmenopausal women with type 2 diabetes mellitus: a randomized control trial.

Diabetes research and clinical practice , Volume: 229 2025 Oct 17

Authors Vahed A,Molanouri Shamsi M,Siadat SD,Behmanesh M,Negaraesh R,Agh-Mohammadi S,Ebrahimi M

Coupled Impact of Anthocyanin and Mineral Concentrations in Cranberry Juice on Gut Microbiota and Function Modulation: A First Demonstration.

Molecules (Basel, Switzerland) , Volume: 30 Issue: 19 2025 Oct 4

Authors Revellat E,Dupont-Morissette J,V Varin T,Pilon G,Marete A,Bazinet L

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

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

Authors Atan Çirpici H,Kirkpinar F

Exercise-induced modulation of gut microbiota in individuals with obesity and type 2 diabetes: a systematic review and meta-analysis.

Frontiers in microbiology , Volume: 16 2025

Authors Lin W,Pu L,Qian X,Pan J,Cheng R,Sun P

Regulation of resistant starch, non-starch polysaccharides, resistant oligosaccharides and lignin on the gut microbiota and association with their health benefits.

Food & function , 2025 Oct 9

Authors Ma HK,Shen L,Zhao LM, Ji HF

Current understanding of starch-polyphenol complexes and their potential in vivo metabolism, impact on gut microbiota and treating diabetes.

Critical reviews in food science and nutrition , 2025 Oct 5

Authors Deng X,Ng WH,Zhou Z,Li C

[Comparative Molecular Profiling and Bioactivity Analysis of Algerian Propolis: Antioxidant, Antibacterial Activities, and In Silico NRF2-KEAP1 Pathway Modulation.](#)**Current issues in molecular biology , Volume: 47 Issue: 9 2025 Sep 15**

Authors Reguig A,Messai A,Bedaida IK,Pinto DCGA,Bensouici C,Ouamane AT,Silva AMS,Roy JP

[Respiratory microbiome and metabolome features associate disease severity and the need for doxycycline treatment in children with macrolide-resistant Mycoplasma pneumoniae-mediated pneumonia.](#)**Frontiers in cellular and infection microbiology , Volume: 15 2025**

Authors Liao WC,Li SW,Hsing EW,Hsiao SH,Chang IY,Chen YC,Chen YY,Pan YJ,Hsieh YC

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

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

[Impact of exercise-induced alterations on gut microbiota diversity and composition: comparing effects of different training modalities.](#)**Cell regeneration (London, England) , Volume: 14 Issue: 1 2025 Jul 2**

Authors Wang Y,Bai S,Yang T,Guo J,Zhu X,Dong Y

[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

[Exercise Remodels Akkermansia-Associated Eicosanoid Metabolism to Alleviate Intestinal Senescence: Multi-Omics Insights.](#)**Microorganisms , Volume: 13 Issue: 6 2025 Jun 13**

Authors Yu C,Liu X,Li Y,Li S,Huang Y,Liu S,Shao H,Shen Y,Fu L

[Kudzu resistant starch effectively ameliorates non-alcoholic fatty liver disease by protecting the gut microbiota intestinal barrier and suppressing inflammatory responses.](#)**Journal of the science of food and agriculture , 2025 Jun 25**

Authors Dong H,Yang X,Zhou Y,Yang M,Zhang H,Liu X,Zhu W

[Dietary Galacto-Oligosaccharides Enhance Growth Performance and Modulate Gut Microbiota in Weaned Piglets: A Sustainable Alternative to Antibiotics.](#)**Animals : an open access journal from MDPI , Volume: 15 Issue: 11 2025 May 22**

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

[Lipid-based nanocarriers for enhanced gentamicin delivery: a comparative study of liquid crystal nanoparticles and liposomes against Escherichia coli biofilms.](#)**Drug delivery and translational research , 2025 Jun 12**

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

[Lactobacillus plantarum and Galacto-Oligosaccharides Synbiotic Relieve Irritable Bowel Syndrome by Reshaping Gut Microbiota and Attenuating Mast Cell Hyperactivation.](#)**Nutrients , Volume: 17 Issue: 10 2025 May 14**

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

[Effects of Exercise on Gut Microbiome and Serum Metabolomics in Post-Traumatic Osteoarthritis Rats.](#)**Metabolites , Volume: 15 Issue: 5 2025 May 20**

Authors Hao X,Shang X,Zhang Y,Hou W,Chi R,Pan C,Liu J,Deng X,Zhang J,Xu T

[The protective effects of propolis against lipopolysaccharide-induced acute liver injury by modulating serum metabolites and gut flora.](#)**Scientific reports , Volume: 15 Issue: 1 2025 May 15**

Authors Liu Z,Li Z,Guo Y,Li Y,Xuan H

[Synergistic Biocidal Effects of Curcumin, Chitosan, and Nickel Titanate-Based Nanohybrids for Enhanced Antibacterial and Anticancer Therapies.](#)**ACS applied bio materials , 2025 May 14**

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

[Crosstalk Among Gut Microbiota, Fecal Metabolites, and Amygdala Neuropathology Genes After Ginger Polyphenol Administration in Female Rats with Neuropathic Pain: Evidence for Microbiota-Gut-Brain Connection.](#)**Nutrients , Volume: 17 Issue: 9 2025 Apr 25**

Authors Shen CL,Santos JM,Elmassry MM,Chen F, Ji G,Presto P,Kiritoshi T,Liu X,Neugebauer V

[Type 3 resistant starch prepared from euryale ferox alleviated the obesity symptoms via gut microbiota regulation.](#)**International journal of biological macromolecules , 2025 May 5**

Authors Zhang Y,Huang J,Qin Y,Chen X,Xu F,Zhu K,Zhang X,Wu Z,Zhang J,Zhang Y

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

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

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

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

Frontiers in nutrition , Volume: 12 2025

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

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

3 Biotech , Volume: 15 Issue: 5 2025 May

Authors Thakur A,Sharma K

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

Biomedicines , Volume: 13 Issue: 4 2025 Apr 9

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

Dietary resistant starch protects against post-antibiotic intestinal damage by restoring microbial homeostasis and preserving intestinal barrier function in meat duck.

Poultry science , Volume: 104 Issue: 7 2025 Apr 24

Authors Qin S,Zhu Y,Tian G,Jensen MB,Zhang K,Ding X,Bai S,Wang J,Xuan Y,Zeng Q

Buckwheat resistant starch alleviates hyperlipidaemia in mice by inhibiting lipid accumulation and regulating gut microbiota.

International journal of biological macromolecules , 2025 Apr 22

Authors Tao J,Chen Z,Xie Q,Bai H,Li Z,Jia Y,Zhang X,Xiao Y,Bu T,Yuan M,Li Q,Tang Z

Galacto-oligosaccharides alleviate experimental lactose intolerance associated with gut microbiota in mice.

Frontiers in microbiology , Volume: 16 2025

Authors Li Q,Wang X,Guo S,Wang T,Cao H,Cao Y,Dong B

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

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

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

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

Journal of agricultural and food chemistry , 2025 Mar 26

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

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

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

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

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

Chemistry & biodiversity , 2025 Feb 27

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

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

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

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

Correlation between daily physical activity and intestinal microbiota in perimenopausal women.

Sports medicine and health science , Volume: 7 Issue: 3 2025 May

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

The efficacy and underlying mechanisms of berberine in the treatment of recurrent Clostridioides difficile infection.

International journal of antimicrobial agents , Volume: 65 Issue: 5 2025 Feb 20

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

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

Biology , Volume: 13 Issue: 12 2024 Nov 21

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

Resveratrol and β -hydroxy- β -methylbutyric acid supplementation promotes ileal development and digestive function by altering microbial community abundance and metabolites in Tibetan sheep.

Frontiers in veterinary science , Volume: 11 2024

Authors Gan J,Ji Q,Su Q,Hou S,Gui L

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

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

Authors Obeidat M,Haddad MA,Ghnamat SA

[A systematic review and individual bacterial species level meta-analysis of in vitro studies on the efficacy of ceftazidime/avibactam combined with other antimicrobials against carbapenem-resistant Gram-negative bacteria.](#)

The Journal of antimicrobial chemotherapy , Volume: 80 Issue: 2 2025 Feb 3

Authors Assefa GM,Roberts JA,Aslan AT,Mohammed SA,Sime FB

[A Novel Supplement Consisting of Rice, Silkworm Pupae and a Mixture of Ginger and Holy Basil Improves Post-Stroke Cognitive Impairment.](#)

Nutrients , Volume: 16 Issue: 23 2024 Nov 29

Authors Thongwong P,Wattanathorn J,Thukham-Mee W

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

Engineering microbiology , Volume: 4 Issue: 2 2024 Jun

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

[Chitin promotes equol production via n-acetylglucosamine in human fecal cultures.](#)

Anaerobe , Volume: 91 2024 Nov 26

Authors Kadera M,Nakamura K,Yokoyama S

[Zingiber officinale Uncovered: Integrating Experimental and Computational Approaches to Antibacterial and Phytochemical Profiling.](#)

Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 11 2024 Nov 19

Authors Sulieman AME,Ibrahim SM,Alshammari M,Abdulaziz F,Idriss H,Alanazi NAH,Abdallah EM,Siddiqui AJ,Shommo SAM,Jamal A,Badraoui R

[Lactacaseibacillus rhamnosus LRa05 alleviates cyclophosphamide-induced immunosuppression and intestinal microbiota disorder in mice.](#)

Journal of food science , Volume: 89 Issue: 12 2024 Dec

Authors Zhu M,Yang L,Kong S,Bai Y,Zhao B

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

Frontiers in behavioral neuroscience , Volume: 18 2024

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

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

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

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

[Impact of resistant starch type 3 on fecal microbiota and stool frequency in Thai adults with chronic constipation randomized clinical trial.](#)

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

Authors Luk-In S,Leepiyasakulchai C,Saelee C,Keeratichamroen A,Srisangwan N,Ponprachanuwut P,Chammari K,Chatsuwan T,Wannigama DL,Shein AMS,Kueakulattana N,Srisakul S,Sranacharoenpong K

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

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

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

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

Frontiers in medicine , Volume: 11 2024

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

[The Antifungal Effects of Berberine and Its Proposed Mechanism of Action Through CYP51 Inhibition, as Predicted by Molecular Docking and Binding Analysis.](#)

Molecules (Basel, Switzerland) , Volume: 29 Issue: 21 2024 Oct 27

Authors Zhang CW,Huang DY,Rajoka MSR,Wu Y,He ZD,Ye L,Wang Y,Song X

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

Frontiers in nutrition , Volume: 11 2024

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

[Synergistic defense: Quercetin and chondroitin sulfate combat bacterial trigger of rheumatoid arthritis, Proteus mirabilis through in-vitro and in-vivo mechanisms.](#)

Microbial pathogenesis , 2024 Oct 26

Authors Priya PS,Murugan R,Srileka R,Ramya Ranjan Nayak SP,Thirumal M,Rajagopal R,Pasupuleti M,Kumarodoss KM,Arockiaraj J

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

Bone Healing via Carvacrol and Curcumin Nanoparticle on 3D Printed Scaffolds.**Small (Weinheim an der Bergstrasse, Germany)** , 2024 Oct 27

Authors Dahiya A,Chaudhari VS,Bose S

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

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

Characterization of thyme essential oil microcapsules and potato starch/pectin composite films and their impact on the quality of chilled mutton.**Food chemistry** , Volume: 464 Issue: Pt 2 2025 Feb 1

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

The effect of antibiotics on the intestinal microbiota in children - a systematic review.**Frontiers in allergy** , Volume: 5 2024

Authors Wurm J,Curtis N,Zimmermann P

Supplementation of curcumin promotes the intestinal structure, immune barrier function and cecal microbiota composition of laying hens in early laying period.**Poultry science** , Volume: 103 Issue: 12 2024 Sep 24

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

The efficacy of azithromycin combined with seven types of Chinese medicine injections in the treatment of Mycoplasma pneumoniae pneumonia in children: a systematic review and Bayesian network meta-analysis.**Frontiers in pharmacology** , Volume: 15 2024

Authors Huang X,Tao S,Liu C,Sun X,Hao Y, Ma Y,Liu Y,Liu J

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

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

Potato resistant starch improves type 2 diabetes by regulating inflammation, glucose and lipid metabolism and intestinal microbial environment.**International journal of biological macromolecules** , Volume: 281 Issue: Pt 3 2024 Nov

Authors Liu X, Ma Q,Feng Y,Wang F,Wang W,Wang J,Sun J

Alginate Oligosaccharides Enhance Gut Microbiota and Intestinal Barrier Function, Alleviating Host Damage Induced by Deoxynivalenol in Mice.**The Journal of nutrition** , Volume: 154 Issue: 11 2024 Nov

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

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

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

Effect of Purified Resveratrol Butyrate Ester Monomers against Hypertension after Maternal High-Fructose Intake in Adult Offspring.**Nutrients** , Volume: 16 Issue: 18 2024 Sep 17

Authors Tain YL,Hou CY,Tzeng HT,Lin SF, Chang-Chien GP, Lee WC,Wu KLH,Yu HR, Chan JYH,Hsu CN

Mechanism of synergistic action of colistin with resveratrol and baicalin against mcr-1-positive Escherichia coli.**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 180 2024 Nov

Authors Cheng P,Sun Y,Wang B,Liang S,Yang Y,Gui S,Zhang K,Qu S,Li L

Efficacy of Doxycycline as Pre-exposure and/or Post-exposure Prophylaxis to Prevent Sexually Transmitted Diseases: A Systematic Review and Meta-analysis.**Sexually transmitted diseases** , 2024 Sep 24

Authors Boschiero MN,Sansone NMS,Ribeiro LM,Marson FAL

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

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

Isolation and Identification of Human Gut Bacteria Capable of Converting Curcumin to Its Hydrogenated Metabolites.**Journal of agricultural and food chemistry** , Volume: 72 Issue: 37 2024 Sep 18

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

Evaluation of efficacy and safety of Lactocaseibacillus rhamnosus LRa05 in the eradication of Helicobacter pylori: a

randomized, double-blind, placebo-controlled trial.

Frontiers in immunology , Volume: 15 2024

Authors Niu Y,Li J,Qian H,Liang C,Shi X,Bu S

Effects of inulin on intestinal flora and metabolism-related indicators in obese polycystic ovary syndrome patients.

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

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

Effects of Physical Exercise on the Microbiota in Irritable Bowel Syndrome.

Nutrients , Volume: 16 Issue: 16 2024 Aug 11

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

The Effects of Aspirin Intervention on Inflammation-Associated Lingual Bacteria: A Pilot Study from a Randomized Clinical Trial.

Microorganisms , Volume: 12 Issue: 8 2024 Aug 7

Authors Onyeaghala GC,Sharma S,Oyenuga M,Staley CM,Milne GL,Demmer RT,Shaukat A,Thyagarajan B,Straka RJ,Church TR,Prizment AE

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

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

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

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

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

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

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

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

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

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

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

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

A Comparative Evaluation of Herbal Extracts and Triple Antibiotic Paste as Intracanal Medicament against Enterococcus faecalis: A Microbiological Study.

International journal of clinical pediatric dentistry , Volume: 17 Issue: 3 2024 Mar

Authors Golla S,Gambhir N,Gupta N,Singh R,Singh D

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

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

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

Quercetin Increases Growth Performance and Decreases Incidence of Diarrhea and Mechanism of Action in Weaned Piglets.

Oxidative medicine and cellular longevity , Volume: 2024 2024

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

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

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

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

Characterization and antioxidant activity of nano-formulated berberine and cyperus rotundus extracts with anti-inflammatory effects in mastitis-induced rats.

Scientific reports , Volume: 14 Issue: 1 2024 Aug 9

Authors Hashem AE,Elmasry IH,Lebda MA,El-Karim DRSG,Hagar M,Ebied SKM,Alotaibi BS,Rizk NI,Ghamry HI,Shukry M,Edres HA

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

Heliyon , Volume: 10 Issue: 14 2024 Jul 30

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

Patient-delivered partner therapy for chlamydia: health practitioner views on updated guidance in Victoria, Australia.

Sexual health , Volume: 21 2024 Jul

Authors Warda C,Bittleston H,Coombe J,O'Donnell H,Hocking JS,Goller JL

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

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

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

In Vitro Antimicrobial Potential of Portuguese Propolis Extracts from Gerês against Pathogenic Microorganisms.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 7 2024 Jul 16

Authors Oliveira RD,Araújo C,Almeida-Aguiar C

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

PloS one , Volume: 19 Issue: 7 2024

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

Enhancing gut microbiota and microbial function with inulin supplementation in children with obesity.

International journal of obesity (2005) , 2024 Jul 20

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

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

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

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

Modulation of Human Gut Microbiota In Vitro by Inulin-Type Fructan from Codonopsis pilosula Roots.

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

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

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

Nature reviews. Microbiology , 2024 Jul 15

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

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

Nutrients , Volume: 16 Issue: 13 2024 Jul 4

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

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

Frontiers in microbiology , Volume: 15 2024

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

A neurotherapeutic approach with Lactocaseibacillus rhamnosus E9 on gut microbiota and intestinal barrier in MPTP-induced mouse model of Parkinson's disease.

Scientific reports , Volume: 14 Issue: 1 2024 Jul 4

Authors Aktas B,Aslim B,Ozdemir DA

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

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

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

Resveratrol Alleviates Liver Fibrosis Induced by Long-Term Inorganic Mercury Exposure through Activating the Sirt1/PGC-1α Signaling Pathway.

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

Authors Li S,Han B,Li J,Lv Z,Jiang H,Liu Y,Yang X,Lu J,Zhang Z

Bacterial Apoptosis-Like Death through Accumulation of Reactive Oxygen Species by Quercetin in Escherichia coli.

Journal of microbiology and biotechnology , Volume: 34 Issue: 7 2024 Jul 28

Authors Kwun MS,Lee DG

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

Nutrients , Volume: 16 Issue: 12 2024 Jun 14

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

3D printed scaffolds with quercetin and vitamin D3 nanocarriers: In vitro cellular evaluation.

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

Authors Bose S,Chaudhari VS,Kushram P

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

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

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

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

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

[Differences in P-Type and Type 1 Uropathogenic Escherichia coli Urinary Anti-Adhesion Activity of Cranberry Fruit Juice Dry Extract Product and D-Mannose Dietary Supplement.](#)

Journal of dietary supplements , Volume: 21 Issue: 5 2024

Authors Howell AB,Dreyfus JF,Bosley S,Krueger CG,Birmingham A,Reed JD,Chughtai B

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

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

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

[Turmeric and curcumin as adjuncts in controlling Helicobacter pylori-associated diseases: a narrative review.](#)

Letters in applied microbiology , Volume: 77 Issue: 6 2024 Jun 3

Authors Boyanova L,Medeiros J,Yordanov D,Gergova R,Markovska R

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

Microorganisms , Volume: 12 Issue: 5 2024 May 9

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

[Ginger Polyphenols Reverse Molecular Signature of Amygdala Neuroimmune Signaling and Modulate Microbiome in Male Rats with Neuropathic Pain: Evidence for Microbiota-Gut-Brain Axis.](#)

Antioxidants (Basel, Switzerland) , Volume: 13 Issue: 5 2024 Apr 23

Authors Shen CL,Santos JM,Elmassry MM,Bhakta V,Driver Z,Ji G,Yakhnitsa V,Kiritoshi T,Lovett J,Hamood AN,Sang

S,Neugebauer V

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

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

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

[Fermented Milk Containing Lactocaseibacillus rhamnosus SNU50430 Modulates Immune Responses and Gut Microbiota in Antibiotic-Treated Mice.](#)

Journal of microbiology and biotechnology , Volume: 34 Issue: 6 2024 Jun 28

Authors Yoon S,Park S,Jung SE,Lee C,Kim WK,Choi ID,Ko G

[Berberine alleviates cholesterol and bile acid metabolism disorders induced by high cholesterol diet in mice.](#)

Biochemical and biophysical research communications , Volume: 719 2024 Jul 30

Authors Wang Q,Shen W,Shao W,Hu H

[Increased tolerance to commonly used antibiotics in a Pseudomonas aeruginosa ex vivo porcine keratitis model.](#)

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

Authors Okurowska K,Monk PN,Karunakaran E

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

Frontiers in physiology , Volume: 15 2024

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

[Determination of total phenolics, flavonoids, and testing of antioxidant and antibacterial activities of red ginger \(Zingiber officinale var. Rubrum\).](#)

Journal of advanced veterinary and animal research , Volume: 11 Issue: 1 2024 Mar

Authors Haroen U,Syafwan S,Kurniawan K,Budiansyah A

[The Canine Gut Health: The Impact of a New Feed Supplement on Microbiota Composition.](#)

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

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

[Influence of Gelatin and Propolis Extract on Honey Gummy Jelly Properties: Optimization Using D-Optimal Mixture Design.](#)

Gels (Basel, Switzerland) , Volume: 10 Issue: 4 2024 Apr 21

Authors Kaewpetch K,Yolsuriyan S,Disayathanoowat T,Phokasem P,Jannu T,Renaldi G,Samakradhamrongthai RS

[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

[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

[Obliteration of H. pylori infection through the development of a novel thyme oil laden nanoporous gastric floating](#)

microsponge.

Heliyon , Volume: 10 Issue: 8 2024 Apr 30

Authors Jafar M,Ahmad Khan MS,Akbar MJ,AISaihaty HS,Alasmari SS

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

PloS one , Volume: 19 Issue: 4 2024

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

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

Nutrients , Volume: 16 Issue: 7 2024 Apr 7

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

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

Nutrients , Volume: 16 Issue: 7 2024 Apr 5

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

Resistant Starch from Purple Sweet Potatoes Alleviates Dextran Sulfate Sodium-Induced Colitis through Modulating the Homeostasis of the Gut Microbiota.

Foods (Basel, Switzerland) , Volume: 13 Issue: 7 2024 Mar 27

Authors Wang Z,Gao M,Kan J,Cheng Q,Chen X,Tang C,Chen D,Zong S,Jin C

Anti-Quorum Sensing and Anti-Biofilm Activity of Ginger (Zingiber officinale) Rhizomes against Multidrug-Resistant Clinical Isolates of Pseudomonas aeruginosa.

Avicenna journal of medical biotechnology , Volume: 16 Issue: 1 2024 Jan-Mar

Authors Sagar PK,Sharma P,Singh R

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

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

Characterization of feline-originated probiotics Lactobacillus rhamnosus CACC612 and Bifidobacterium animalis subsp. lactis CACC789 and evaluation of their host response.

BMC veterinary research , Volume: 20 Issue: 1 2024 Apr 1

Authors Jang HJ,Kim JA,Kim Y

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

Poultry science , Volume: 103 Issue: 5 2024 May

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

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

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

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

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

PeerJ , Volume: 12 2024

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

Mannan-oligosaccharides promote gut microecological recovery after antibiotic disturbance.

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

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

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

Antibacterial Potential of Biosynthesized Silver Nanoparticles Using Berberine Extract Against Multidrug-resistant Acinetobacter baumannii and Pseudomonas aeruginosa.

Indian journal of microbiology , Volume: 64 Issue: 1 2024 Mar

Authors Tahan M,Zeraatkar S,Neshani A,Marouzi P,Behmadi M,Alavi SJ,Hashemi Shahri SH,Hosseini Bafghi M

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

Microbiome research reports , Volume: 3 Issue: 1 2024

Authors Díaz R,Garrido D

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

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

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

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

Heliyon , Volume: 10 Issue: 4 2024 Feb 29

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

Olive oil nanoemulsion containing curcumin: antimicrobial agent against multidrug-resistant bacteria.

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

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

Curcumin attenuates aflatoxin B1-induced ileum injury in ducks by inhibiting NLRP3 inflammasome and regulating TLR4/NF- κ B signaling pathway.

Mycotoxin research , Volume: 40 Issue: 2 2024 May

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

Schisandra chinensis Bee Pollen Ameliorates Colitis in Mice by Modulating Gut Microbiota and Regulating Treg/Th17 Balance.

Foods (Basel, Switzerland) , Volume: 13 Issue: 4 2024 Feb 15

Authors Cheng N,Wang X,Zhou Y,Zhao X,Chen M,Zhao H,Cao W

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

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

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

Synergistic antimicrobial interaction of plant essential oils and extracts against foodborne pathogens.

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

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

Milk to mucus: How *B. fragilis* colonizes the gut.

Cell host & microbe , Volume: 32 Issue: 2 2024 Feb 14

Authors Olm MR,Mueller NT

Antibacterial activity of plant-derived compounds and cream formulations against canine skin bacteria.

Veterinary research communications , 2024 Feb 7

Authors Strompfová V,Štempelová L,Wolaschka T

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

Effect of ginger supplementation on the fecal microbiome in subjects with prior colorectal adenoma.

Scientific reports , Volume: 14 Issue: 1 2024 Feb 5

Authors Prakash A,Rubin N,Staley C,Onyeaghalo G,Wen YF,Shaukat A,Milne G,Straka RJ,Church TR,Prizment A

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

Food & function , 2024 Feb 2

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

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

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

Authors Huo A,Wang F

A Double-Blind Randomised Controlled Trial of Prebiotic Supplementation in Children with Autism: Effects on Parental Quality of Life, Child Behaviour, Gastrointestinal Symptoms, and the Microbiome.

Journal of autism and developmental disorders , Volume: 55 Issue: 3 2025 Mar

Authors Palmer JK,van der Pols JC,Sullivan KA,Staudacher HM,Byrne 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

Structural characterization, antioxidant and antibacterial activity of three pectin polysaccharides from blueberry.

International journal of biological macromolecules , Volume: 262 Issue: Pt 1 2024 Mar

Authors Qiao Y,Shen Y,Jiang H,Li D,Li B

Stachyose in combination with *L. rhamnosus* GG ameliorates acute hypobaric hypoxia-induced intestinal barrier dysfunction through alleviating inflammatory response and oxidative stress.

Free radical biology & medicine , Volume: 212 2024 Feb 20

Authors Ren D,Ding M,Su J,Ye J,He X,Zhang Y,Shang X

Synthesis of New Derivatives of Berberine Canagliflozin and Study of Their Antibacterial Activity and Mechanism.**Molecules (Basel, Switzerland) , Volume: 29 Issue: 1 2024 Jan 4**

Authors Li J,Hou X,Xiao J,Zhu L,Deng Y,Li Z,Zhao Z,Luo Z,Wei H

A systematic review on the effects of exercise on gut microbial diversity, taxonomic composition, and microbial metabolites: identifying research gaps and future directions.**Frontiers in physiology , Volume: 14 2023**

Authors Cullen JMA,Shahzad S,Dhillon J

Quercetin: a promising virulence inhibitor of Pseudomonas aeruginosa LasB in vitro.**Applied microbiology and biotechnology , Volume: 108 Issue: 1 2024 Dec**

Authors Ren Y,Zhu R,You X,Li D,Guo M,Fei B,Liu Y,Yang X,Liu X,Li Y

Therapeutic effects of curcumin on constipation-predominant irritable bowel syndrome is associated with modulating gut microbiota and neurotransmitters.**Frontiers in microbiology , Volume: 14 2023**

Authors Tu X,Ren H,Bu S

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

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

Cranberry, but not D-mannose and ibuprofen, prevents against uropathogenic Escherichia coli-induced cell damage and cell death in MDCK cells.**Frontiers in microbiology , Volume: 14 2023**

Authors Konesan J,Wang J,Moore KH,Mansfield KJ,Liu L

Identification of inulin-responsive bacteria in the gut microbiota via multi-modal activity-based sorting.**Nature communications , Volume: 14 Issue: 1 2023 Dec 14**

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

Impact of structurally diverse polysaccharides on colonic mucin O-glycosylation and gut microbiota.**NPJ biofilms and microbiomes , Volume: 9 Issue: 1 2023 Dec 11**

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

The effects of 6 wk of resistance training on the gut microbiome and cardiometabolic health in young adults with overweight and obesity.**Journal of applied physiology (Bethesda, Md. : 1985) , Volume: 136 Issue: 2 2024 Feb 1**

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

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

Plant Phenolics Inhibit Focal Adhesion Kinase and Suppress Host Cell Invasion by Uropathogenic Escherichia coli.**bioRxiv : the preprint server for biology , 2023 Nov 23**

Authors Lewis AJ,Richards AC,Mendez AA,Dhakal BK,Jones TA,Sundsbak JL,Eto DS,Mulvey MA

Curcumin alleviates traumatic brain injury induced by gas explosion through modulating gut microbiota and suppressing the LPS/TLR4/MyD88/NF- κ B pathway.**Environmental science and pollution research international , Volume: 31 Issue: 1 2024 Jan**

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

Green synthesis of biogenic selenium nanoparticles functionalized with ginger dietary extract targeting virulence factor and biofilm formation in Candida albicans.**Microbial pathogenesis , Volume: 186 2024 Jan**

Authors Thombre D,Shelar A,Nakhale S,Khairnar B,Karale N,Sangshetti J,Nile SH,Patil R

The Impact of Berberine Loaded Selenium Nanoparticles on K. pneumoniae and Candida albicans Antibiotics Resistance Isolates.**Archives of Razi Institute , Volume: 78 Issue: 3 2023 Jun**

Authors Hasan MF,Jawad Kadhim M,Al-Awady MJ

Gut microbiome supplementation as therapy for metabolic syndrome.**World journal of diabetes , Volume: 14 Issue: 10 2023 Oct 15**

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

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

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

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

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

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

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

Environmental science & technology , 2023 Nov 9

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

Spices as Sustainable Food Preservatives: A Comprehensive Review of Their Antimicrobial Potential.

Pharmaceuticals (Basel, Switzerland) , Volume: 16 Issue: 10 2023 Oct 12

Authors Sulieman AME,Abdallah EM,Alanazi NA,Ed-Dra A,Jamal A,Idriss H,Alshammari AS,Shommo SAM

Pectic oligosaccharides ameliorate high-fat diet-induced obesity and hepatic steatosis in association with modulating gut microbiota in mice.

Food & function , Volume: 14 Issue: 21 2023 Oct 30

Authors Yu S,Wang H,Cui L,Wang J,Zhang Z,Wu Z,Lin X,He N,Zou Y,Li S

Bifidobacteria metabolize lactulose to optimize gut metabolites and prevent systemic infection in patients with liver disease.

Nature microbiology , Volume: 8 Issue: 11 2023 Nov

Authors Odenwald MA,Lin H,Lehmann C,Dylla NP,Cole CG,Mostad JD,Pappas TE,Ramaswamy R,Moran A,Hutchison AL,Stutz MR,Dela Cruz M,Adler E,Boissiere J,Khalid M,Cantoral J,Haro F,Oliveira RA,Waligurski E,Cotter TG,Light SH,Beavis KG,Sundararajan A,Sidebottom AM,Reddy KG,Paul S,Pillai A,Te HS,Rinella ME,Charlton MR,Pamer EG,Aronsohn AI

Thymus Vulgaris Oil Nanoemulsion: Synthesis, Characterization, Antimicrobial and Anticancer Activities.

Molecules (Basel, Switzerland) , Volume: 28 Issue: 19 2023 Oct 2

Authors Doghish AS,Shehabeldine AM,El-Mahdy HA,Hassanin MMH,Al-Askar AA,Marey SA,AbdElgawad H,Hashem AH

Do NSAIDs and Other Pain Relief Drugs Can Inhibit the Growth of Lactobacillaceae?

Polish journal of microbiology , Volume: 72 Issue: 4 2023 Dec 1

Authors Kruszevska H,Zawistowska-Rojek A,Tyski S

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

Food chemistry: X , Volume: 19 2023 Oct 30

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

Retracted: Efficacy of Jiedu Pingsou Decoction Combined with Azithromycin in the Treatment of Children with Mycoplasma Pneumonia and Its Effects on Inflammatory Factors and Immune Function.

Journal of healthcare engineering , Volume: 2023 2023

Authors Healthcare Engineering JO

Berberine: An inspiring resource for the treatment of colorectal diseases.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 167 2023 Nov

Authors Cao F,Xia W,Dai S,Wang C,Shi R,Yang Y,Guo C,Xu XL,Luo J

Mannan oligosaccharides selenium ameliorates intestinal mucosal barrier, and regulate intestinal microbiota to prevent Enterotoxigenic Escherichia coli -induced diarrhea in weaned piglets.

Ecotoxicology and environmental safety , Volume: 264 2023 Oct 1

Authors Zha A,Tu R,Qi M,Wang J,Tan B,Liao P,Wu C,Yin Y

Curcumin-sulfobutyl-ether beta cyclodextrin inclusion complex: preparation, spectral characterization, molecular modeling and antimicrobial activity.

Journal of biomolecular structure & dynamics , Volume: 42 Issue: 19 2024

Authors Sravani AB,Shenoy K M,Chandrika B,Kumar B H,Kini SG,Pai K SR,Lewis SA

Impact of azithromycin, doxycycline and redox-active small molecules on amoxicillin-induced Chlamydia pneumoniae persistence.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 167 2023 Nov

Authors Taavitsainen-Wahlroos E,Reigada I,Sulmona I,Hanski L

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

Effect of ginger essential oil and 6-gingerol on a multispecies biofilm of Listeria monocytogenes, Salmonella Typhimurium, and Pseudomonas aeruginosa.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 54 Issue: 4 2023 Dec

Authors Dos Santos EAR,Tadielo LE,Schmiedt JA,Possebon FS,Pereira MO,Pereira JG,Dos Santos Bersot L

Antidepressant properties of voluntary exercise mediated by gut microbiota.

Bioscience, biotechnology, and biochemistry , Volume: 87 Issue: 11 2023 Oct 25

Authors Watanabe C,Oyanagi E,Aoki T,Hamada H,Kawashima M,Yamagata T,Kremenik MJ,Yano H

Voluntary exercise does not increase gastrointestinal motility but increases spatial memory, intestinal eNOS, Akt levels, and Bifidobacteria abundance in the microbiome.

Frontiers in physiology , Volume: 14 2023

Authors Bakonyi P,Kolonics A,Aczel D,Zhou L,Mozaffaritarab S,Molnár K,László L,Kutasi B,Tanisawa K,Park J,Gu Y,Pinho RA,Radak Z

Antibiotic-Potentiating Effect of Some Bioactive Natural Products against Planktonic Cells, Biofilms, and Virulence Factors of Pseudomonas aeruginosa.

BioMed research international , Volume: 2023 2023

Authors Chimi LY,Bisso BN,Njateng GSS,Dzoyem JP

Comparing the Influences of Metformin and Berberine on the Intestinal Microbiota of Rats With Nonalcoholic Steatohepatitis.

In vivo (Athens, Greece) , Volume: 37 Issue: 5 2023 Sep-Oct

Authors Chen D,Xiong J,Chen G,Zhang Z,Liu Y,Xu J,Xu H

Curcumin alleviates imiquimod-induced psoriasis-like inflammation and regulates gut microbiota of mice.

Immunity, inflammation and disease , Volume: 11 Issue: 8 2023 Aug

Authors Cai Z,Wang W,Zhang Y,Zeng Y

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G,Zhang L

Antibacterial activity of Thymus vulgaris (thyme) essential oil against strains of Pseudomonas aeruginosa, Klebsiella pneumoniae and Staphylococcus saprophyticus isolated from meat product.

Brazilian journal of biology = Revista brasleira de biologia , Volume: 83 2023

Authors Diniz AF,Santos B,Nóbrega LMMO,Santos VRL,Mariz WS,Cruz PSC,Nóbrega RO,Silva RL,Paula AFR,Santos JRDA,Pessôa HLF,Oliveira-Filho AA

Supplementation of ginger root extract into broiler chicken diet: effects on growth performance and immunocompetence.

Poultry science , Volume: 102 Issue: 10 2023 Jul 11

Authors Dosu G,Obanla TO,Zhang S,Sang S,Adetunji AO,Fahrenheit AC,Ferket PR,Nagabhushanam K,Fasina YO

Phase Inversion-Based Doxycycline Hyclate-Incorporated Borneol In Situ Gel for Periodontitis Treatment.

Gels (Basel, Switzerland) , Volume: 9 Issue: 7 2023 Jul 7

Authors Lertsuphotvanit N,Tuntarawongsa S,Chantadee T,Phaechamud T

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

Physiology & behavior , Volume: 270 2023 Oct 15

Authors Zhu Y,Zhu J,Song G

Lactobacillus rhamnosus GG ATCC53103 and Lactobacillus plantarum JLO1 improved nitrogen metabolism in weaned piglets by regulating the intestinal flora structure and portal vein metabolites.

Frontiers in microbiology , Volume: 14 2023

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

Phyto-Inhibitory and Antimicrobial Activity of Brown Propolis from Romania.

Antibiotics (Basel, Switzerland) , Volume: 12 Issue: 6 2023 Jun 5

Authors Vica ML,Glevitzky M,Heghedus-Mîndru RC,Dumitrel GA,Heghedus-Mîndru G,Popa M,Faur DM,Bâlici ?,Teodoru CA

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

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

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

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

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

Cureus , Volume: 15 Issue: 5 2023 May

Authors Patil AV,Shetty SS,Padhye AM

The improvement of intestinal dysbiosis and hepatic metabolic dysfunction in dextran sulfate sodium-induced colitis mice: effects of curcumin.

Journal of gastroenterology and hepatology , Volume: 38 Issue: 8 2023 Aug

Authors Zhou F,Mai T,Wang Z,Zeng Z,Shi J,Zhang F,Kong N,Jiang H,Guo L,Xu M,Lin J

The Impact of Smoking on Microbiota: A Narrative Review.

Biomedicines , Volume: 11 Issue: 4 2023 Apr 10

Authors Cicchinelli S,Rosa F,Manca F,Zanza C,Ojetti V,Covino M,Candelli M,Gasbarrini A,Franceschi F,Piccioni A

Preparation and characterization of curcumin/chitosan conjugate as an efficient photodynamic antibacterial agent.

Carbohydrate polymers , Volume: 313 2023 Aug 1

Authors Zhao L,Ding X,Khan IM,Yue L,Zhang Y,Wang Z

Supplementation with inulin-type fructans affects gut microbiota and attenuates some of the cardiometabolic benefits of a plant-based diet in individuals with overweight or obesity.

Frontiers in nutrition , Volume: 10 2023

Authors Aldubayan MA,Mao X,Laursen MF,Pigsborg K,Christensen LH,Roager HM,Nielsen DS,Hjorth MF,Magkos F

Gentamicin alleviates cholestatic liver injury by decreasing gut microbiota-associated bile salt hydrolase activity in rats.

European journal of pharmacology , Volume: 951 2023 May 12

Authors Ma Y,Wang H,Yang J,Xin M,Wu X

Cross-talks between gut microbiota and tobacco smoking: a two-sample Mendelian randomization study.

BMC medicine , Volume: 21 Issue: 1 2023 Apr 28

Authors Fan J,Zhou Y,Meng R,Tang J,Zhu J,Aldrich MC,Cox NJ,Zhu Y,Li Y,Zhou D

Lactulose regulates gut microbiota dysbiosis and promotes short-chain fatty acids production in acute pancreatitis patients with intestinal dysfunction.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 163 2023 Jul

Authors Wang J,Jiang M,Hu Y,Lei Y,Zhu Y,Xiong H,He C

Effects of an inulin fiber diet on the gut microbiome, colon, and inflammatory biomarkers in aged mice.

Experimental gerontology , Volume: 176 2023 Jun 1

Authors Hutchinson NT,Wang SS,Rund LA,Caetano-Silva ME,Allen JM,Johnson RW,Woods JA

Ethanol extract of propolis regulates type 2 diabetes in mice via metabolism and gut microbiota.

Journal of ethnopharmacology , Volume: 310 2023 Jun 28

Authors Guan R,Ma N,Liu G,Wu Q,Su S,Wang J,Geng Y

Which trial do we need? Aminopenicillin-gentamicin versus aminopenicillin-ceftioxaone for Enterococcus faecalis endocarditis.

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 29 Issue: 6 2023 Jun

Authors Luque-Paz D,Cuervo G,Miró JM,Tattevin P

The Dietary Fermentable Fiber Inulin Alters the Intestinal Microbiome and Improves Chronic Kidney Disease Mineral-Bone Disorder in a Rat Model of CKD.

bioRxiv : the preprint server for biology , 2023 Jan 31

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

The Antimicrobial Activity of Curcumin and Xanthohumol on Bacterial Biofilms Developed over Dental Implant Surfaces.

International journal of molecular sciences , Volume: 24 Issue: 3 2023 Jan 25

Authors Alonso-Español A,Bravo E,Ribeiro-Vidal H,Virto L,Herrera D,Alonso B,Sanz M

Inulin supplementation prior to mild traumatic brain injury mitigates gut dysbiosis, and brain vascular and white matter deficits in mice.

Frontiers in microbiomes , Volume: 1 2022

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

Comparative study between two different morphological structures based on polylactic acid, nanocellulose and magnetite for co-delivery of fluorouracil and curcumin.

International journal of biological macromolecules , Volume: 230 2023 Mar 1

Authors Bakr EA,Gaber M,Saad DR,Salahuddin N

Lactisacibacillus rhamnosus Hao9 exerts antidiabetic effects by regulating gut microbiome, glucagon metabolism, and insulin levels in type 2 diabetic mice.

Frontiers in nutrition , Volume: 9 2022

Authors Han M,Liao W,Dong Y,Bai C,Gai Z

Antibacterial Effect of 16 Essential Oils and Modulation of mex Efflux Pumps Gene Expression on Multidrug-Resistant Pseudomonas aeruginosa Clinical Isolates: Is Cinnamon a Good Fighter?

Antibiotics (Basel, Switzerland) , Volume: 12 Issue: 1 2023 Jan 12

Authors Co?eriu RL,Vintila C,Pribac M,Mare AD,Ciurea CN,Toganel RO,Cighir A,Simion A,Man A

The high dose of inulin exacerbated food allergy through the excess accumulation of short-chain fatty acids in a BABL/c mouse model.

International journal of biological macromolecules , Volume: 230 2023 Mar 1

Authors Xie Q,Mu K,Chen C,Gu S,Luo D,Fu W,Xue W

Characterization of the Cafeteria Diet as Simulation of the Human Western Diet and Its Impact on the Lipidomic Profile and Gut Microbiota in Obese Rats.

Nutrients , Volume: 15 Issue: 1 2022 Dec 24

Authors de la Garza AL,Martínez-Tamez AM,Mellado-Negrete A,Arjonilla-Becerra S,Peña-Vázquez GI,Marín-Obispo LM,Hernández-Brenes C

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

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

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

Enhanced antimicrobial and antioxidant capacity of Thymus vulgaris, Lippia sidoides, and Cymbopogon citratus emulsions when combined with mannosylerythritol a lipid biosurfactant.

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

Authors Zanutto AW,Kanemaru MYS,de Souza FG,Duarte MCT,de Andrade CJ,Pastore GM

Thyme (Thymus vulgaris L.) polyphenols ameliorate DSS-induced ulcerative colitis of mice by mitigating intestinal barrier damage, regulating gut microbiota, and suppressing TLR4/NF- κ B-NLRP3 inflammasome pathways.

Food & function , Volume: 14 Issue: 2 2023 Jan 23

Authors Zhou Z,He W,Tian H,Zhan P,Liu J

Curcumin loaded gold nanoparticles-chitosan/sodium alginate nanocomposite for nanotheranostic applications.

Journal of biomaterials science. Polymer edition , Volume: 34 Issue: 7 2023 May

Authors Kolathupalayam Shanmugam B,Rajendran N,Arumugam K,Rangaraj S,Subramani K,Srinivasan S,Nayagam L,Aicher WK,Venkatachalam R

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

Galactooligosaccharides ameliorate dietary advanced glycation end product-induced intestinal barrier damage in C57BL/6 mice by modulation of the intestinal microbiome.

Food & function , 2022 Dec 20

Authors Nie C,Xie X,Liu H,Yuan X,Ma Q,Tu A,Zhang M,Chen Z,Li J

Assessment of the Gut Microbiota during Juice Fasting with and without Inulin Supplementation: A Feasibility Study in Healthy Volunteers.

Foods (Basel, Switzerland) , Volume: 11 Issue: 22 2022 Nov 16

Authors Thriene K,Stanislas V,Amend L,Strowig T,Michels KB

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

Frontiers in nutrition , Volume: 9 2022

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

Amination Potentially Augments the Ameliorative Effect of Curcumin on Inhibition of the IL-6/Stat3/c-Myc Pathway and Gut Microbial Modulation in Colitis-Associated Tumorigenesis.

Journal of agricultural and food chemistry , Volume: 70 Issue: 46 2022 Nov 23

Authors Koh YC,Tsai YW,Lee PS,Nagabhushanam K,Ho CT,Pan MH

Lactobacillus rhamnosus TR08 Improves Dyslipidemia in Mice Fed with a High Fat Diet by Regulating the Intestinal Microbiota, Reducing Systemic Inflammatory Response, and Promoting Sphingomolipid Metabolism.

Molecules (Basel, Switzerland) , Volume: 27 Issue: 21 2022 Oct 29

Authors Feng X,Ding L,Ma G,Zhang Y,Sun Y,Li Z,Tao X,Ali A,Wang D,Wu L

Long-Term Lactulose Administration Improves Dysbiosis Induced by Antibiotic and C. difficile in the PathoGut(TM) SHIME Model.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 11 2022 Oct 24

Authors Calatayud M,Duysburgh C,Van den Abbeele P,Franckenstein D,Kuchina-Koch A,Marzorati M

Structural Insights into Amelioration Effects of Quercetin and Its Glycoside Derivatives on NAFLD in Mice by Modulating the Gut Microbiota and Host Metabolism.

Journal of agricultural and food chemistry , Volume: 70 Issue: 46 2022 Nov 23

Authors Shi Z,Zhang C,Lei H,Chen C,Cao Z,Song Y,Chen G,Wu F,Zhou J,Lu Y,Zhang L

Molecular actions of different functional oligosaccharides on intestinal integrity, immune function and microbial community in weanling pigs.

Food & function , Volume: 13 Issue: 23 2022 Nov 28

Authors Gao H,Sun F,Lin G,Guo Y,Zhao J

Curcumin carbon dots inhibit biofilm formation and expression of esp and gelE genes of Enterococcus faecium.

Microbial pathogenesis , Volume: 173 Issue: Pt A 2022 Dec

Authors Sadaqat MH,Mobarez AM,Nikkhah M

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

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

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

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

Microorganisms , Volume: 10 Issue: 10 2022 Oct 17

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

Curcumin encapsulation in self-assembled nanoparticles based on amphiphilic palmitic acid-grafted-quaternized chitosan with enhanced cytotoxic, antimicrobial and antioxidant properties.

International journal of biological macromolecules , Volume: 222 Issue: Pt B 2022 Dec 1

Authors Xie Y,Gong X,Jin Z,Xu W,Zhao K

Treadmill Exercise Modulates Intestinal Microbes and Suppresses LPS Displacement to Alleviate Neuroinflammation in the Brains of APP/PS1 Mice.

Nutrients , Volume: 14 Issue: 19 2022 Oct 5

Authors Yuan S,Yang J,Jian Y,Lei Y,Yao S,Hu Z,Liu X,Tang C,Liu W

Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF- κ B pathway mediated by gut microbiota disturbance in obese dogs.

Research in veterinary science , Volume: 152 2022 Dec 20

Authors Lu J,Zhu D,Lu J,Liu J,Wu Z,Liu L

Swimming exercise ameliorates depressive-like behavior by anti-inflammation activity, rebalancing gut Escherichia coli and Lactobacilli.

Brain research , Volume: 1797 2022 Dec 15

Authors Ding Z,Du L

Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.

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

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

The potential role of lactulose pharmacotherapy in the treatment and prevention of diabetes.

Frontiers in endocrinology , Volume: 13 2022

Authors Chu N,Ling J,Jie H,Leung K,Poon E

Alginate hydrogel with enhanced curcumin release through HP β CD assisted host-guest interaction.

Biomaterials advances , Volume: 141 2022 Oct

Authors Mohammadi A,Sahabi M,Beigi-Boroujeni S,Abdolvand H,Makvandi P,Pournaghshband Isfahani A,Gharibi R,Ebrahimibagha M

Biological activity of galacto-oligosaccharides: A review.

Frontiers in microbiology , Volume: 13 2022

Authors Mei Z,Yuan J,Li D

Effect and Mechanism of Pharmaceutical Excipients on Berberine to Alleviate Ulcerative Colitis via Regulating Gut Microbiota.

Molecules (Basel, Switzerland) , Volume: 27 Issue: 18 2022 Sep 15

Authors Wu C,Zheng T,Chen H,Zou P,Zhang M,Wang J,Li N,Zhang Y,Li Y,Dong Z

Thymol screening, phenolic contents, antioxidant and antibacterial activities of Iranian populations of Trachyspermum ammi (L.) Sprague (Apiaceae).

Scientific reports , Volume: 12 Issue: 1 2022 Sep 19

Authors Modareskia M,Fattahi M,Mirjalili MH

Synthesis, spectroscopic characterization, density functional theory study, antimicrobial and antioxidant activities of curcumin and alanine-curcumin Schiff base.

Journal of biomolecular structure & dynamics , Volume: 41 Issue: 16 2023 Sep-Oct

Authors Layaida H,Hellal A,Chafai N,Haddadi I,Imene K,Anis B,Mouna E,Bensouici C,Sobhi W,Attoui A,Lilia A

Impact of Propolis on Escherichia coli and Bacillus subtilis Based on Total DNA, RNA and Protein Levels.

Pakistan journal of biological sciences : PJBS , Volume: 25 Issue: 9 2022 Jan

Authors Nafea EA,Yousef AD,Dereny SHE,Abdel-Hameed KHM,Mahfouz HM,Farghaly DS

Effect of aqueous and organic solvent extraction on in-vitro antimicrobial activity of two varieties of fresh ginger (Zingiber officinale) and garlic (Allium sativum).

Heliyon , Volume: 8 Issue: 9 2022 Sep

Authors Akullo JO,Kiagi B,Nakimbugwe D,Kinyuru J

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

Frontiers in microbiology , Volume: 13 2022

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

Nano-Microemulsions of CaCO₃-Encapsulated Curcumin Ester Derivatives With High Antioxidant and Antimicrobial Activities and pH Sensitivity.

Frontiers in veterinary science , Volume: 9 2022

Authors Wang L,Wang X,Guo Z,Xia Y,Geng M,Liu D,Zhang Z,Yang Y

Anticandidal and Antibiofilm Effect of Synbiotics including Probiotics and Inulin-Type Fructans.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 8 2022 Aug 21

Authors García-Gamboa R,Domínguez-Simi M,Gradilla-Hernández MS,Bravo J,Moya A,Ruiz-Álvarez B,González-Avila M

Synergistic antibacterial and anti-biofilm activities of resveratrol and polymyxin B against multidrug-resistant *Pseudomonas aeruginosa*.

The Journal of antibiotics , Volume: 75 Issue: 10 2022 Oct

Authors Qi L,Liang R,Duan J,Song S,Pan Y,Liu H,Zhu M,Li L

Antimicrobial Properties of Acrylic Resin Incorporated with Propolis Nanoparticles.

Frontiers in dentistry , Volume: 18 2021

Authors Arab S,Bahador A,Sodagar A,Pourhajibagher M,Akhavan A,Hafith AN,Pornamazeh T

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

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

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

Probiotic *Lactobacillus rhamnosus* GR-1 supplementation attenuates Pb-induced learning and memory deficits by reshaping the gut microbiota.

Frontiers in nutrition , Volume: 9 2022

Authors Gu X,Bi N,Wang T,Huang C,Wang R,Xu Y,Wang HL

Bacillus coagulans in Combination with Chitooligosaccharides Regulates Gut Microbiota and Ameliorates the DSS-Induced Colitis in Mice.

Microbiology spectrum , Volume: 10 Issue: 4 2022 Aug 31

Authors Liu Z,Jiang Z,Zhang Z,Liu T,Fan Y,Liu T,Peng N

Beneficial Shifts in Gut Microbiota by *Lactocaseibacillus rhamnosus* R0011 and *Lactobacillus helveticus* R0052 in Alcoholic Hepatitis.

Microorganisms , Volume: 10 Issue: 7 2022 Jul 21

Authors Gupta H,Kim SH,Kim SK,Han SH,Kwon HC,Suk KT

Antimicrobial Activity of Essential Oils Evaluated In Vitro against *Escherichia coli* and *Staphylococcus aureus*.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 7 2022 Jul 20

Authors Galgano M,Capozza P,Pellegrini F,Cordisco M,Sposato A,Sblano S,Camero M,Lanave G,Fracchiolla G,Corrente M,Cirone F,Trotta A,Tempesta M,Buonavoglia D,Pratelli A

Antioxidant and Anti-Inflammatory Effects of Thyme (*Thymus vulgaris* L.) Essential Oils Prepared at Different Plant Phenophases on *Pseudomonas aeruginosa* LPS-Activated THP-1 Macrophages.

Antioxidants (Basel, Switzerland) , Volume: 11 Issue: 7 2022 Jul 6

Authors Pandur E,Micalizzi G,Mondello L,Horváth A,Sipos K,Horváth G

Inulin-type fructans change the gut microbiota and prevent the development of diabetic nephropathy.

Pharmacological research , Volume: 183 2022 Sep

Authors Luo L,Luo J,Cai Y,Fu M,Li W,Shi L,Liu J,Dong R,Xu X,Tu L,Yang Y

Berberubine, a Main Metabolite of Berberine, Alleviates Non-Alcoholic Fatty Liver Disease via Modulating Glucose and Lipid Metabolism and Restoring Gut Microbiota.

Frontiers in pharmacology , Volume: 13 2022

Authors Yang S,Cao S,Li C,Zhang J,Liu C,Qiu F,Kang N

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

Pharmacological research , Volume: 182 2022 Aug

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

Dietary resistant starch ameliorating lipopolysaccharide-induced inflammation in meat ducks associated with the alteration in gut microbiome and glucagon-like peptide 1 signaling.

Journal of animal science and biotechnology , Volume: 13 Issue: 1 2022 Jul 15

Authors Qin S,Bai W,Applegate TJ,Zhang K,Tian G,Ding X,Bai S,Wang J,Lv L,Peng H,Xuan Y,Zeng Q

Effect of chicory-derived inulin-type fructans on abundance of Bifidobacterium and on bowel function: a systematic review with meta-analyses.

Critical reviews in food science and nutrition , Volume: 63 Issue: 33 2023 Nov

Authors Nagy DU,Sándor-Bajusz KA,Bódy B,Decsi T, Van Harsseelaar J,Theis S,Lohner S

16S rRNA gene sequencing reveals an altered composition of gut microbiota in children with Mycoplasma pneumoniae pneumonia treated with azithromycin.

The Journal of general and applied microbiology , Volume: 68 Issue: 6 2023 Mar 6

Authors Deng Q,Wang Z,Wu P,Liang H,Wu H,Zhang L,Ying J

Lactacaseibacillus rhamnosus LS8 Ameliorates Azoxymethane/Dextran Sulfate Sodium-Induced Colitis-Associated Tumorigenesis in Mice via Regulating Gut Microbiota and Inhibiting Inflammation.

Probiotics and antimicrobial proteins , Volume: 14 Issue: 5 2022 Oct

Authors Wang T,Zheng J,Dong S,Ismael M,Shan Y,Wang X,Lü X

Hepatoprotective effect of curcumin against bisphenol A-induced hepatic steatosis via modulating gut microbiota dysbiosis and related gut-liver axis activation in CD-1 mice.

The Journal of nutritional biochemistry , Volume: 109 2022 Nov

Authors Hong T,Jiang X,Zou J,Yang J,Zhang H,Mai H,Ling W,Feng D

In-Vitro Antibacterial Activity of Curcumin-Loaded Nanofibers Based on Hyaluronic Acid against Multidrug-Resistant ESKAPE Pathogens.

Pharmaceutics , Volume: 14 Issue: 6 2022 May 31

Authors Snetkov P,Rogacheva E,Kremleva A,Morozkina S,Uspenskaya M,Kraeva L

Resistant Maltodextrin Consumption in a Double-Blind, Randomized, Crossover Clinical Trial Induces Specific Changes in Potentially Beneficial Gut Bacteria.

Nutrients , Volume: 14 Issue: 11 2022 May 25

Authors Mai V,Burns AM,Solch RJ,Dennis-Wall JC,Ukhanova M,Langkamp-Henken B

Lactobacillus rhamnosus colonisation antagonizes Candida albicans by forcing metabolic adaptations that compromise pathogenicity.

Nature communications , Volume: 13 Issue: 1 2022 Jun 9

Authors Alonso-Roman R,Last A,Mirhakkak MH,Sprague JL,Möller L,Großmann P,Graf K,Gratz R,Mogavero S,Vylkova S,Panagiotou G,Schäuble S,Hube B,Gresnigt MS

The Antimicrobial Efficacy Against Selective Oral Microbes, Antioxidant Activity and Preliminary Phytochemical Screening of Zingiber officinale.

Infection and drug resistance , Volume: 15 2022

Authors Ahmed N,Karobari MI,Yousaf A,Mohamed RN,Arshad S,Basheer SN,Peeran SW,Noorani TY,Assiry AA,Alharbi AS,Yean CY

Zingiber officinale and Panax ginseng ameliorate ulcerative colitis in mice via modulating gut microbiota and its metabolites.

Journal of chromatography. B, Analytical technologies in the biomedical and life sciences , Volume: 1203 2022 Jul 1

Authors Wan Y,Yang L,Li H,Ren H,Zhu K,Dong Z,Jiang S,Shang E,Qian D,Duan J

The Protective Effects of Inulin-Type Fructans Against High-Fat/Sucrose Diet-Induced Gestational Diabetes Mice in Association With Gut Microbiota Regulation.

Frontiers in microbiology , Volume: 13 2022

Authors Miao M,Wang Q,Wang X,Fan C,Luan T,Yan L,Zhang Y,Zeng X,Dai Y,Li P

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

Biology , Volume: 11 Issue: 3 2022 Mar 21

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

Lactulose Modulates the Structure of Gut Microbiota and Alleviates Colitis-Associated Tumorigenesis.

Nutrients , Volume: 14 Issue: 3 2022 Feb 3

Authors Hiraishi K,Zhao F,Kurahara LH,Li X,Yamashita T,Hashimoto T,Matsuda Y,Sun Z,Zhang H,Hirano K

Intestinal Microbiota Contributes to the Improvement of Alcoholic Hepatitis in Mice Treated With Schisandra chinensis Extract.

Frontiers in nutrition , Volume: 9 2022

Authors Xiang JY,Chi YY,Han JX,Shi X,Cai Y,Xiang H,Xie Q

An Integrative Multiomics Approach to Characterize Prebiotic Inulin Effects on Faecalibacterium prausnitzii.

Frontiers in bioengineering and biotechnology , Volume: 10 2022

Authors Park JH,Song WS, Lee J,Jo SH, Lee JS, Jeon HJ, Kwon JE, Kim YR, Baek JH, Kim MG, Yang YH, Kim BG, Kim YG

Evaluating the effects of a standardized polyphenol mixture extracted from poplar-type propolis on healthy and diseased

human gut microbiota.**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 148 2022 Apr***Authors Garzarella EU,Navajas-Porras B,Pérez-Burillo S,Ullah H,Esposito C,Santarcangelo C,Hinojosa-Nogueira D,Pastoriza S,Zaccaria V,Xiao J,Rufián-Henares JÁ,Daglia M*Evaluation of a Zingiber officinale and Bixa orellana Supplement on the Gut Microbiota of Male Athletes: A Randomized Placebo-Controlled Trial.**Planta medica , Volume: 88 Issue: 13 2022 Oct***Authors Domínguez-Balmaseda D,Bressa C,Fernández-Romero A,de Lucas B,Pérez-Ruiz M,San Juan AF,Roller M,Issaly N,Larrosa M*Pre-Administration of Berberine Exerts Chemopreventive Effects in AOM/DSS-Induced Colitis-Associated Carcinogenesis Mice via Modulating Inflammation and Intestinal Microbiota.**Nutrients , Volume: 14 Issue: 4 2022 Feb 9***Authors Deng J,Zhao L,Yuan X,Li Y,Shi J,Zhang H,Zhao Y,Han L,Wang H,Yan Y,Zhao H,Wang H,Zou F*Cigarette Smoking and Human Gut Microbiota in Healthy Adults: A Systematic Review.**Biomedicines , Volume: 10 Issue: 2 2022 Feb 21***Authors Antinozzi M,Giffi M,Sini N,Gallè F,Valeriani F,De Vito C,Liguori G,Romano Spica V,Cattaruzza MS*Curcumin Alleviates Dextran Sulfate Sodium-Induced Colitis in Mice Through Regulating Gut Microbiota.**Molecular nutrition & food research , Volume: 66 Issue: 8 2022 Apr***Authors Guo X,Xu Y,Geng R,Qiu J,He X*Substitution of Refined Conventional Wheat Flour with Wheat High in Resistant Starch Modulates the Intestinal Microbiota and Fecal Metabolites in Healthy Adults: A Randomized, Controlled Trial.**The Journal of nutrition , 2022 Jan 31***Authors Gondalia SV,Wymond B,Benassi-Evans B,Berbezzy P,Bird AR,Belobrajdic DP*Oligosaccharide and Flavanoid Mediated Prebiotic Interventions to Treat Gut Dysbiosis Associated Cognitive Decline.**Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology , Volume: 17 Issue: 1-2 2022 Jun***Authors Sarkar SR,Mazumder PM,Banerjee S*Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.**International journal of molecular sciences , Volume: 23 Issue: 1 2021 Dec 24***Authors Wellington VNA,Sundaram VL,Singh S,Sundaram U*Berberine ameliorates aGVHD by gut microbiota remodelling, TLR4 signalling suppression and colonic barrier repairment for NLRP3 inflammasome inhibition.**Journal of cellular and molecular medicine , Volume: 26 Issue: 4 2022 Feb***Authors Zhao Y,Huang J,Li T,Zhang S,Wen C,Wang L*Dietary Quercetin Supplementation Attenuates Diarrhea and Intestinal Damage by Regulating Gut Microbiota in Weanling Piglets.**Oxidative medicine and cellular longevity , Volume: 2021 2021***Authors Xu B,Qin W,Xu Y,Yang W,Chen Y,Huang J,Zhao J,Ma L*Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients.**Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec***Authors Amadiou C,Coste V,Neyrinck AM,Thijssen V,Leyrolle Q,Bindels LB,Piessevaux H,Stärkel P,de Timary P,Delzenne NM,Leclercq S*Nine weeks of high-intensity indoor cycling training induced changes in the microbiota composition in non-athlete healthy male college students.**Journal of the International Society of Sports Nutrition , Volume: 18 Issue: 1 2021 Dec 18***Authors Donati Zeppa S,Amatori S,Sisti D,Gervasi M,Agostini D,Piccoli G,Pazienza V,Gobbi P,Rocchi MBL,Sestili P,Stocchi V*Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats.**Frontiers in cellular and infection microbiology , Volume: 11 2021***Authors Wang X,Ye P,Fang L,Ge S,Huang F,Polverini PJ,Heng W,Zheng L,Hu Q,Yan F,Wang W*Antibacterial efficacy of different combinations of clove, eucalyptus, ginger, and selected antibiotics against clinical isolates of Pseudomonas aeruginosa.**Ayu , Volume: 41 Issue: 2 2020 Apr-Jun***Authors Sagar PK,Sharma P,Singh R*Correction to "ZnO/Curcumin Nanocomposites for the Enhanced Inhibition of Pseudomonas aeruginosa Virulence via LasR-RhlR Quorum Sensing Systems".**Molecular pharmaceutics , 2021 Dec 7**

Authors Prateeksha,Rao CV,Das AK,Barik SK,Singh BN

[The relationship between human milk, a functional nutrient, and microbiota.](#)

Critical reviews in food science and nutrition , 2021 Dec 6

Authors Sakarya E,Sanlier NT,Sanlier N

[Azithromycin resistance in Shiga-toxin Producing *Escherichia coli* in France between 2004 and 2020 and detection of *mef\(C\)-mph\(G\)* genes.](#)

Antimicrobial agents and chemotherapy , 2021 Dec 6

Authors Bizot E,Cointe A,Bidet P,Mariani-Kurkdjian P,Hobson CA,Courroux C,Liguori S,Bridier-Nahmias A,Magnan M,Merimèche M,Camélène F,Berçot B,Weill FX,Lefèvre S,Bonacorsi S,Birgy A

[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

[Prevalence of genotypic antimicrobial resistance in clinical Shiga toxin-producing *Escherichia coli* in Norway, 2018 to 2020.](#)

Journal of medical microbiology , Volume: 70 Issue: 12 2021 Dec

Authors Ramstad SN,Brandal LT,Taxt AM,Wasteson Y,Bjørnholt JV,Naseer U

[Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.](#)

Frontiers in immunology , Volume: 12 2021

Authors Ding S,Jiang H,Fang J,Liu G

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

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

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

[Lactobacillus rhamnosus LB1 Alleviates Enterotoxigenic *Escherichia coli*-Induced Adverse Effects in Piglets by Improving Host Immune Response and Anti-Oxidation Stress and Restoring Intestinal Integrity.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Wu T,Shi Y,Zhang Y,Zhang M,Zhang L,Ma Z,Zhao D,Wang L,Yu H,Hou Y,Gong J

[Inulin-grown *Faecalibacterium prausnitzii* cross-feeds fructose to the human intestinal epithelium.](#)

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

Authors Fagundes RR,Bourgonje AR,Saeed A,Vich Vila A,Plomp N,Blokzijl T,Sadaghian Sadabad M,von Martels JZH,van Leeuwen SS,Weersma RK,Dijkstra G,Harmsen HJM,Faber KN

[Berberine inhibits dendritic cells differentiation in DSS-induced colitis by promoting *Bacteroides fragilis*.](#)

International immunopharmacology , Volume: 101 Issue: Pt A 2021 Dec

Authors Zheng C,Wang Y,Xu Y,Zhou L,Hassan S,Xu G,Zou X,Zhang M

[Chitooligosaccharides: Digestion characterization and effect of the degree of polymerization on gut microorganisms to manage the metabolome functional diversity in vitro.](#)

Carbohydrate polymers , Volume: 275 2022 Jan 1

Authors Ji X,Zhu L,Chang K,Zhang R,Chen Y,Yin H,Jin J,Zhao L

[Bifidobacterium catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection.](#)

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

Authors Heiss BE,Ehrlich AM,Maldonado-Gomez MX,Taft DH,Larke JA,Goodson ML,Slupsky CM,Tancredi DJ,Raybould HE,Mills DA

[Lactobacillus rhamnosus ProBio-M9 Improves the Quality of Life in Stressed Adults by Gut Microbiota.](#)

Foods (Basel, Switzerland) , Volume: 10 Issue: 10 2021 Oct 8

Authors Zheng Y,Yu Z,Zhang W,Sun T

[Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces *Enterobacteriaceae* Family Abundance and Elevates Propionate in a Bioreactor Model.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

[Gut microbiota mediates the effects of inulin on enhancing sulfomucin production and mucosal barrier function in a pig model.](#)

Food & function , Volume: 12 Issue: 21 2021 Nov 1

Authors Xia B,Wu W,Zhang L,Wen X,Xie J,Zhang H

[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,Milanese A,Löber U,Forslund SK,Patil KR,Zimmermann M,Stecher B,Zeller G,Bork P,Typas A

[Remodelling of gut microbiota by Berberine attenuates trimethylamine N-oxide-induced platelet hyperreaction and](#)

thrombus formation.

European journal of pharmacology , Volume: 911 2021 Nov 15

Authors Xie Z,Liu X,Huang X,Liu Q,Yang M,Huang D,Zhao P,Tian J,Wang X,Hou J

Prebiotic Inulin Supplementation and Peripheral Insulin Sensitivity in adults at Elevated Risk for Type 2 Diabetes: A Pilot Randomized Controlled Trial.

Nutrients , Volume: 13 Issue: 9 2021 Sep 17

Authors Mitchell CM,Davy BM,Ponder MA,McMillan RP,Hughes MD,Hulver MW,Neilson AP,Davy KP

Short-Chain Inulin Modulates the Cecal Microbiota Structure of Leptin Knockout Mice in High-Fat Diet.

Frontiers in microbiology , Volume: 12 2021

Authors Feng Y,Feng J,Wang L,Meng A,Wei S,Cui J,Hu X,Yan L

The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.

Advances in nutrition (Bethesda, Md.) , 2021 Sep 23

Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD

Inulin-type prebiotics reduce serum uric acid levels via gut microbiota modulation: a randomized, controlled crossover trial in peritoneal dialysis patients.

European journal of nutrition , Volume: 61 Issue: 2 2022 Mar

Authors He S,Xiong Q,Tian C,Li L,Zhao J,Lin X,Guo X,He Y,Liang W,Zuo X,Ying C

Quercetin modulates the gut microbiota as well as the metabolome in a rat model of osteoarthritis.

Bioengineered , Volume: 12 Issue: 1 2021 Dec

Authors Lan H,Hong W,Qian D,Peng F,Li H,Liang C,Du M,Gu J,Mai J,Bai B,Peng G

Eight-week exercise training in humans with obesity: Marked improvements in insulin sensitivity and modest changes in gut microbiome.

Obesity (Silver Spring, Md.) , Volume: 29 Issue: 10 2021 Oct

Authors Verheggen RJHM,Konstanti P,Smidt H,Hermus ARMM,Thijssen DHJ,Hopman MTE

Quercetin Ameliorates Insulin Resistance and Restores Gut Microbiome in Mice on High-Fat Diets.

Antioxidants (Basel, Switzerland) , Volume: 10 Issue: 8 2021 Aug 5

Authors Tan Y,Tam CC,Rolston M,Alves P,Chen L,Meng S,Hong H,Chang SKC,Yokoyama W

Dietary Inulin Regulated Gut Microbiota and Improved Neonatal Health in a Pregnant Sow Model.

Frontiers in nutrition , Volume: 8 2021

Authors Li H,Ma L,Zhang L,Liu N,Li Z,Zhang F,Liu X,Ma X

Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.

Frontiers in nutrition , Volume: 8 2021

Authors Karakan T,Tuohy KM,Janssen-van Solingen G

Effects of Smoking on Inflammatory Markers in a Healthy Population as Analyzed via the Gut Microbiota.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Yan S,Ma Z,Jiao M,Wang Y,Li A,Ding S

Effectiveness and safety of Bifidobacterium and berberine in human hyperglycemia and their regulatory effect on the gut microbiota: a multi-center, double-blind, randomized, parallel-controlled study.

Genome medicine , Volume: 13 Issue: 1 2021 Aug 9

Authors Ming J,Yu X,Xu X,Wang L,Ding C,Wang Z,Xie X,Li S,Yang W,Luo S,He Q,Du Y,Tian Z,Gao X,Ma K,Fang Y,Li C,Zhao J,Wang X, Ji Q

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn's disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 8 2021 Jun 23

Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Stagg AJ,Lindsay JO,Whelan K

The effects of sustained fitness improvement on the gut microbiome: A longitudinal, repeated measures case-study approach.

Translational sports medicine , Volume: 4 Issue: 2 2021 Mar

Authors Barton W,Cronin O,Garcia-Perez I,Whiston R,Holmes E,Woods T,Molloy CB,Molloy MG,Shanahan F,Cotter PD,O'Sullivan O

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

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

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

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

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

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

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

[Shuanghuanglian oral preparations combined with azithromycin for treatment of Mycoplasma pneumoniae pneumonia in Asian children: A systematic review and meta-analysis of randomized controlled trials.](#)

PloS one , Volume: 16 Issue: 7 2021

Authors Peng Y,Chen Z,Li Y,Lu Q,Li H,Han Y,Sun D,Li X

[Cranberry \(Vaccinium macrocarpon\) dietary supplementation and fecal microbiota of Wistar rats.](#)

AIMS microbiology , Volume: 7 Issue: 2 2021

Authors Chettaoui R,Mayot G,De Almeida L,Di Martino P

[Intestinal Microbiota Mediates High-Fructose and High-Fat Diets to Induce Chronic Intestinal Inflammation.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Tan R,Dong H,Chen Z,Jin M,Yin J,Li H,Shi D,Shao Y,Wang H,Chen T,Yang D,Li J

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

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

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

[Curcumin modulates gut microbiota and improves renal function in rats with uric acid nephropathy.](#)

Renal failure , Volume: 43 Issue: 1 2021 Dec

Authors Xu X,Wang H,Guo D,Man X,Liu J,Li J,Luo C,Zhang M,Zhen L,Liu X

[Dietary resveratrol attenuation of intestinal inflammation and oxidative damage is linked to the alteration of gut microbiota and butyrate in piglets challenged with deoxynivalenol.](#)

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 16

Authors Qiu Y,Yang J,Wang L,Yang X,Gao K,Zhu C,Jiang Z

[Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.](#)

Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation , 2021 Jun 11

Authors Birute A,Cross TL,Allen JM,Kistler BM,de Loo H,Evenepoel P,Fahey GC Jr,Bauer L,Swanson KS,Wilund KR

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

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

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

[Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.](#)

Nutrients , Volume: 13 Issue: 5 2021 May 20

Authors Milton-Laskibar I,Marcos-Zambrano LJ,Gómez-Zorita S,Fernández-Quintela A,Carrillo de Santa Pau E,Martínez JA,Portillo MP

[Preparation and photodynamic bactericidal effects of curcumin-β-cyclodextrin complex.](#)

Food chemistry , Volume: 361 2021 Nov 1

Authors Lai D,Zhou A,Tan BK,Tang Y,Sarah Hamzah S,Zhang Z,Lin S,Hu J

[Proanthocyanidin-enriched cranberry extract induces resilient bacterial community dynamics in a gnotobiotic mouse model.](#)

Microbial cell (Graz, Austria) , Volume: 8 Issue: 6 2021 Apr 29

Authors Neto CC,Mortzfeld BM,Turbitt JR,Bhattarai SK,Yeliseyev V,DiBenedetto N,Bry L,Bucci V

[Tobacco Smoking and the Fecal Microbiome in a Large, Multi-ethnic Cohort.](#)

Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology , Volume: 30 Issue: 7 2021 Jul

Authors Prakash A,Peters BA,Cobbs E,Beggs D,Choi H,Li H,Hayes RB,Ahn J

[Curcumin alleviates high-fat diet-induced hepatic steatosis and obesity in association with modulation of gut microbiota in mice.](#)

Food research international (Ottawa, Ont.) , Volume: 143 2021 May

Authors Li S,You J,Wang Z,Liu Y,Wang B,Du M,Zou T

[Lactobacillus rhamnosus from human breast milk ameliorates ulcerative colitis in mice via gut microbiota modulation.](#)

Food & function , Volume: 12 Issue: 11 2021 Jun 8

Authors Pang B,Jin H,Liao N,Li J,Jiang C,Shao D,Shi J

[Bifidobacterium response to lactulose ingestion in the gut relies on a solute-binding protein-dependent ABC transporter.](#)

Communications biology , Volume: 4 Issue: 1 2021 May 10

Authors Yoshida K,Hirano R,Sakai Y,Choi M,Sakanaka M,Kurihara S,Iino H,Xiao JZ,Katayama T,Odumaki T

[Porphyrin-derived oligosaccharides alleviate NAFLD and related cecal microbiota dysbiosis in mice.](#)

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 35

Issue: 6 2021 Jun

Authors Wang X,Liu D,Wang Z,Cai C,Jiang H,Yu G

Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice.

Nutrients , Volume: 13 Issue: 5 2021 Apr 24

Authors Neyrinck AM,Sánchez CR,Rodríguez J,Cani PD,Bindels LB,Delzenne NM

Sub-Inhibitory Concentrations of Ciprofloxacin Alone and Combinations with Plant-Derived Compounds against P. aeruginosa Biofilms and Their Effects on the Metabolomic Profile of P. aeruginosa Biofilms.

Antibiotics (Basel, Switzerland) , Volume: 10 Issue: 4 2021 Apr 9

Authors Kart D,Reçber T,Nemutlu E,Sagiroglu M

Berberine attenuates choline-induced atherosclerosis by inhibiting trimethylamine and trimethylamine-N-oxide production via manipulating the gut microbiome.

NPJ biofilms and microbiomes , Volume: 7 Issue: 1 2021 Apr 16

Authors Li X,Su C,Jiang Z,Yang Y,Zhang Y,Yang M,Zhang X,Du Y,Zhang J,Wang L,Jiang J,Hong B

Berberine, a potential prebiotic to indirectly promote Akkermansia growth through stimulating gut mucin secretion.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 139 2021 Jul

Authors Dong C,Yu J,Yang Y,Zhang F,Su W,Fan Q,Wu C,Wu S

[Ginger-separated moxibustion for chronic fatigue syndrome and its effect on intestinal flora].

Zhongguo zhen jiu = Chinese acupuncture & moxibustion , Volume: 41 Issue: 3 2021 Mar 12

Authors Lin YF,Jin XQ,Zhu JF,Chen YD,Sheng JL,He JJ,Jin YY

Quercetin as a Precursor for the Synthesis of Novel Nanoscale Cu (II) Complex as a Catalyst for Alcohol Oxidation with High Antibacterial Activity.

Bioinorganic chemistry and applications , Volume: 2021 2021

Authors Moodi Z,Bagherzade G,Peters J

Potato resistant starch inhibits diet-induced obesity by modifying the composition of intestinal microbiota and their metabolites in obese mice.

International journal of biological macromolecules , Volume: 180 2021 Mar 9

Authors Liang D,Zhang L,Chen H,Zhang H,Hu H,Dai X

Gut Microbiota Variation With Short-Term Intake of Ginger Juice on Human Health.

Frontiers in microbiology , Volume: 11 2020

Authors Wang X,Zhang D,Jiang H,Zhang S,Pang X,Gao S,Zhang H,Zhang S,Xiao Q,Chen L,Wang S,Qi D,Li Y

Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice.

mSystems , Volume: 6 Issue: 1 2021 Feb 23

Authors Shi Z,Lei H,Chen G,Yuan P,Cao Z,Ser HL,Zhu X,Wu F,Liu C,Dong M,Song Y,Guo Y,Chen C,Hu K,Zhu Y,Zeng XA,Zhou J,Lu Y,Patterson AD,Zhang L

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

Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial.

European journal of nutrition , Volume: 60 Issue: 6 2021 Sep

Authors Neyrinck AM,Rodríguez J,Zhang Z,Seethaler B,Sánchez CR,Roumain M,Hiel S,Bindels LB,Cani PD,Paquot N,Cnop M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM

Pretreatment with chitosan oligosaccharides attenuate experimental severe acute pancreatitis via inhibiting oxidative stress and modulating intestinal homeostasis.

Acta pharmacologica Sinica , 2021 Jan 25

Authors Mei QX,Hu JH,Huang ZH,Fan JJ,Huang CL,Lu YY,Wang XP,Zeng Y

Berberine ameliorates ovariectomy-induced anxiety-like behaviors by enrichment in equol generating gut microbiota.

Pharmacological research , Volume: 165 2021 Mar

Authors Fang Y,Zhang J,Zhu S,He M,Ma S,Jia Q,Sun Q,Song L,Wang Y,Duan L

A pilot study on the relationship between Lactobacillus, Bifidobacterium counts and inflammatory factors following exercise training.

Archives of physiology and biochemistry , Volume: 129 Issue: 3 2023 Jun

Authors Mahdiah MS,Maryam J,Bita B,Neda F,Motahare M,Mahboobeh B,LeBris S Q,Kalani Behrooz S

Inulin ameliorates schizophrenia via modulation of the gut microbiota and anti-inflammation in mice.

Food & function , Volume: 12 Issue: 3 2021 Feb 15

Authors Guo L,Xiao P,Zhang X,Yang Y,Yang M,Wang T,Lu H,Tian H,Wang H,Liu J

[Berberine alters gut microbial function through modulation of bile acids.](#)

BMC microbiology , Volume: 21 Issue: 1 2021 Jan 11

Authors Wolf PG,Devendran S,Doden HL,Ly LK,Moore T,Takei H,Nittono H,Murai T,Kurosawa T,Chlipala GE,Green SJ,Kakiyama G,Kashyap P,McCracken VJ,Gaskins HR,Gillevet PM,Ridlon JM

[Dietary Inulin Supplementation Modulates Short-Chain Fatty Acid Levels and Cecum Microbiota Composition and Function in Chickens Infected With Salmonella.](#)

Frontiers in microbiology , Volume: 11 2020

Authors Song J,Li Q,Everaert N,Liu R,Zheng M,Zhao G,Wen J

[Lactulose ingestion causes an increase in the abundance of gut-resident bifidobacteria in Japanese women: a randomised, double-blind, placebo-controlled crossover trial.](#)

Beneficial microbes , 2021 Jan 4

Authors Sakai Y,Hamano H,Ochi H,Abe F,Masuda K,Iino H

[Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M²-Nuclear Factor- \$\kappa\$ B-Nod-Like Receptor Protein 3 Pathway via gut-Liver Axis in Mice.](#)

Frontiers in pharmacology , Volume: 11 2020

Authors Bao T,He F,Zhang X,Zhu L,Wang Z,Lu H,Wang T,Li Y,Yang S,Wang H

[Selective Utilization of the Human Milk Oligosaccharides 2'-Fucosyllactose, 3-Fucosyllactose, and Difucosyllactose by Various Probiotic and Pathogenic Bacteria.](#)

Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13

Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Angenius H,Maukonen J

[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

[Diet Rich in Simple Sugars Promotes Pro-Inflammatory Response via Gut Microbiota Alteration and TLR4 Signaling.](#)

Cells , Volume: 9 Issue: 12 2020 Dec 16

Authors Fajstova A,Galanova N,Coufal S,Malkova J,Kostovcik M,Cermakova M,Pelantova H,Kuzma M,Sediva B,Hudcovic T,Hrncir T,Tlaskalova-Hogenova H,Kverka M,Kostovcikova K

[Berberine improves colitis by triggering AhR activation by microbial tryptophan catabolites.](#)

Pharmacological research , Volume: 164 2021 Feb

Authors Jing W,Dong S,Luo X,Liu J,Wei B,Du W,Yang L,Luo H,Wang Y,Wang S,Lu H

[\[Synergistic Antibacterial Activity of Berberine in Combination with Amylmetacresol Against Enterococcus faecalis in vitro\].](#)

Sichuan da xue xue bao. Yi xue ban = Journal of Sichuan University. Medical science edition , Volume: 51 Issue: 6 2020 Nov

Authors Gong T,Cui YJ,Zhou XD,Tang BY,Ren B,Li YQ

[A comparative evaluation of the antibacterial efficacy of Thymus vulgaris, Salvadora persica, Acacia nilotica, Calendula arvensis, and 5% sodium hypochlorite against Enterococcus faecalis: An in-vitro study.](#)

Journal of conservative dentistry : JCD , Volume: 23 Issue: 1 2020 Jan-Feb

Authors Gupta D,Kamat S,Hugar S,Nanjannawar G,Kulkarni R

[Resistant starch intake alleviates collagen-induced arthritis in mice by modulating gut microbiota and promoting concomitant propionate production.](#)

Journal of autoimmunity , Volume: 116 2021 Jan

Authors Bai Y,Li Y,Marion T,Tong Y,Zaiss MM,Tang Z,Zhang Q,Liu Y,Luo Y

[Effects of Different Human Milk Oligosaccharides on Growth of Bifidobacteria in Monoculture and Co-culture With Faecalibacterium prausnitzii.](#)

Frontiers in microbiology , Volume: 11 2020

Authors Cheng L,Kiewiet MBG,Logtenberg MJ,Groeneveld A,Nauta A,Schols HA,Walvoort MTC,Harmsen HJM,de Vos P

[Effect of Five Commercial Probiotic Formulations on Candida Albicans Growth: In Vitro Study.](#)

The Journal of clinical pediatric dentistry , Volume: 44 Issue: 5 2020 Sep 1

Authors Hernández-Bautista LM,Márquez-Preciado R,Ortiz-Magdaleno M,Pozos-Guillén A,Aranda-Romo S,Sánchez-Vargas LO

[Curcumin inhibits lipopolysaccharide and lipoteichoic acid-induced expression of proinflammatory cytokines and production of PGE\(2\) in the primary bubaline endometrial stromal cells.](#)

Molecular biology reports , Volume: 47 Issue: 12 2020 Dec

Authors Ali A,Dar RR,Ahmad SF,Singh SK,Patra MK,Panigrahi M,Kumar H,Krishnaswamy N

[Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice.](#)

European journal of nutrition , Volume: 60 Issue: 4 2021 Jun

Authors Guo Y,Yu Y,Li H,Ding X,Li X,Jing X,Chen J,Liu G,Lin Y,Jiang C,Liu Z,He Y,Li C,Tian Z

[Assessing the Effects of Ginger Extract on Polyphenol Profiles and the Subsequent Impact on the Fecal Microbiota by](#)

Simulating Digestion and Fermentation In Vitro.**Nutrients** , Volume: 12 Issue: 10 2020 Oct 19

Authors Wang J,Chen Y,Hu X,Feng F,Cai L,Chen F

Effect of resveratrol and quercetin on the susceptibility of Escherichia coli to antibiotics.**World journal of microbiology & biotechnology** , Volume: 36 Issue: 11 2020 Oct 6

Authors Oktyabrsky ON,Bezmaternykh KV,Smirnova GV,Tyulenev AV

The Influence of Essential Oils on Gut Microbial Profiles in Pigs.**Animals : an open access journal from MDPI** , Volume: 10 Issue: 10 2020 Sep 24

Authors Ruzauskas M,Bartkiene E,Stankevicius A,Bernatoniene J,Zadeike D,Lele V,Starkute V,Zavistanaviciute P,Grigas J,Zokaityte E,Pautienius A,Juodeikiene G,Jakstas V

Synergistic Effect of Berberine-Based Chinese Medicine Assembled Nanostructures on Diarrhea-Predominant Irritable Bowel Syndrome In Vivo.**Frontiers in pharmacology** , Volume: 11 2020

Authors Li L,Cui H,Li T,Qi J,Chen H,Gao F,Tian X,Mu Y,He R,Lv S,Chu F,Xu B,Wang P,Lei H,Xu H,Wang C

Does Curcumin Have a Role in the Interaction between Gut Microbiota and Schistosoma mansoni in Mice?**Pathogens (Basel, Switzerland)** , Volume: 9 Issue: 9 2020 Sep 19

Authors Anter A,El-Ghany MA,Abou El Dahab M,Mahana N

Feasibility and effects on the gut microbiota of a 12-week high-intensity interval training plus lifestyle education intervention on inactive adults with celiac disease.**Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme** , Volume: 46 Issue: 4 2021 Apr

Authors Warbeck C,Dowd AJ,Kronlund L,Parmer C,Daun JT,Wytsma-Fisher K,Millet GY,Schick A,Reimer RA,Fung T,Culos-Reed SN

Modulatory Effects of Triphala and Manjistha Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.**Journal of alternative and complementary medicine (New York, N.Y.)** , 2020 Sep 18

Authors Peterson CT,Pourang A,Dhaliwal S,Kohn JN,Uchitel S,Singh H,Mills PJ,Peterson SN,Sivamani RK

Effects of Brazilian green propolis extract on planktonic cells and biofilms of multidrug-resistant strains of Klebsiella pneumoniae and Pseudomonas aeruginosa.**Biofouling** , Volume: 36 Issue: 7 2020 Aug

Authors Santos PBDRED,Ávila DDS,Ramos LP,Yu AR,Santos CEDR,Berretta AA,Camargo SEA,Oliveira JR,Oliveira LD

Exercise Preconditioning Attenuates the Response to Experimental Colitis and Modifies Composition of Gut Microbiota in Wild-Type Mice.**Life (Basel, Switzerland)** , Volume: 10 Issue: 9 2020 Sep 14

Authors Cho J,Kim D,Kang H

Micronized curcumin fabricated by supercritical CO₂ to improve antibacterial activity against Pseudomonas aeruginosa.**Artificial cells, nanomedicine, and biotechnology** , Volume: 48 Issue: 1 2020 Dec

Authors Xue B,Huang J,Zhang H,Li B,Xu M,Zhang Y,Xie M,Li X

Antibacterial Activity and Mechanism of Ginger Essential Oil against Escherichia coli and Staphylococcus aureus.**Molecules (Basel, Switzerland)** , Volume: 25 Issue: 17 2020 Aug 30

Authors Wang X,Shen Y,Thakur K,Han J,Zhang JG,Hu F,Wei ZJ

Periodic Genotype Shifts in Clinically Prevalent Mycoplasma pneumoniae Strains in Japan.**Frontiers in cellular and infection microbiology** , Volume: 10 2020

Authors Kenri T,Suzuki M,Sekizuka T,Ohya H,Oda Y,Yamazaki T,Fujii H,Hashimoto T,Nakajima H,Katsukawa C,Kuroda M,Shibayama K

Antimicrobial Effect of Natural Berry Juices on Common Oral Pathogenic Bacteria.**Antibiotics (Basel, Switzerland)** , Volume: 9 Issue: 9 2020 Aug 24

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

A novel inulin-type fructan from Asparagus cochinchinensis and its beneficial impact on human intestinal microbiota.**Carbohydrate polymers** , Volume: 247 2020 Nov 1

Authors Sun Q,Zhu L,Li Y,Cui Y,Jiang S,Tao N,Chen H,Zhao Z,Xu J,Dong C

Suppression of Helicobacter pylori infection by daily cranberry intake: A double-blind, randomized, placebo-controlled trial.**Journal of gastroenterology and hepatology** , Volume: 36 Issue: 4 2021 Apr

Authors Li ZX,Ma JL,Guo Y,Liu WD,Li M,Zhang LF,Zhang Y,Zhou T,Zhang JY,Gao HE,Guo XY,Ye DM,Li WQ,You WC,Pan KF

Randomised clinical study: oral aspirin 325 mg daily vs placebo alters gut microbial composition and bacterial taxa associated with colorectal cancer risk.**Alimentary pharmacology & therapeutics** , Volume: 52 Issue: 6 2020 Sep

Authors Prizment AE,Staley C,Onyeaghalala GC,Vivek S,Thyagarajan B,Straka RJ,Demmer RT,Knights D,Meyer KA,Shaukat

A,Sadowsky MJ,Church TR

Schisandra chinensis ameliorates depressive-like behaviors by regulating microbiota-gut-brain axis via its anti-inflammation activity.

Phytotherapy research : PTR , 2020 Aug 5

Authors Yan T,Wang N,Liu B,Wu B,Xiao F,He B,Jia Y

Dietary Mannan-oligosaccharides potentiate the beneficial effects of Bifidobacterium bifidum in broiler chicken.

Letters in applied microbiology , Volume: 71 Issue: 5 2020 Nov

Authors Dev K,Akbar Mir N,Biswas A,Kannoujia J,Begum J,Kant R

Curcumin, a Natural Antimicrobial Agent with Strain-Specific Activity.

Pharmaceuticals (Basel, Switzerland) , Volume: 13 Issue: 7 2020 Jul 16

Authors Adamczak A,Ozarowski M,Karpinski TM

Ameliorative effects and molecular mechanisms of vine tea on western diet-induced NAFLD.

Food & function , Volume: 11 Issue: 7 2020 Jul 1

Authors Xie K ,He X ,Chen K ,Sakao K ,Hou DX

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

[Anti-microbial activity of Rosmarinus officinalis and Zingiber officinale extracts on the species of the genus Candida and on Streptococcus pneumonia].

Annales pharmaceutiques francaises , Volume: 79 Issue: 1 2021 Jan

Authors Akroum S

Effect of chitooligosaccharides on human gut microbiota and antiglycation.

Carbohydrate polymers , Volume: 242 2020 Aug 15

Authors Liu W,Li X,Zhao Z,Pi X,Meng Y,Fei D,Liu D,Wang X

Quercetin inhibits Pseudomonas aeruginosa biofilm formation via the vfr-mediated lasIR system.

Microbial pathogenesis , Volume: 149 2020 Dec

Authors Ouyang J,Feng W,Lai X,Chen Y,Zhang X,Rong L,Sun F,Chen Y

Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.

International journal of molecular sciences , Volume: 21 Issue: 11 2020 Jun 10

Authors Spisni E,Petrocelli G,Imbesi V,Spigarelli R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC

Thymus vulgaris L. Essential Oil Solid Formulation: Chemical Profile and Spasmolytic and Antimicrobial Effects.

Biomolecules , Volume: 10 Issue: 6 2020 Jun 4

Authors Micucci M,Protti M,Aldini R,Frosini M,Corazza I,Marzetti C,Mattioli LB,Tocci G,Chiarini A,Mercolini L,Budriesi R

Synergetic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs.

European journal of nutrition , Volume: 60 Issue: 2 2021 Mar

Authors He J,Xie H,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H

Unsaturated alginate oligosaccharides attenuated obesity-related metabolic abnormalities by modulating gut microbiota in high-fat-diet mice.

Food & function , Volume: 11 Issue: 5 2020 May 1

Authors Li S ,Wang L ,Liu B ,He N

[Discussion on the curative effect and mechanisms of berberine in rats with non-alcoholic fatty liver].

Zhonghua gan zang bing za zhi = Zhonghua ganzangbing zazhi = Chinese journal of hepatology , Volume: 28 Issue: 4 2020 Apr 20

Authors Li DH,Liu YT,Hao SR,Zheng JM,Hou HT,Wang YZ

Characteristics of the Gut Microbiome of Healthy Young Male Soldiers in South Korea: The Effects of Smoking.

Gut and liver , Volume: 15 Issue: 2 2021 Mar 15

Authors Yoon H,Lee DH,Lee JH,Kwon JE,Shin CM,Yang SJ,Park SH,Lee JH,Kang SW,Lee JS,Kim BY

Berberine and its structural analogs have differing effects on functional profiles of individual gut microbiomes.

Gut microbes , Volume: 11 Issue: 5 2020 Sep 2

Authors Li L,Chang L,Zhang X,Ning Z,Mayne J,Ye Y,Stintzi A,Liu J,Figeys D

The Protective Effects of 2`-Fucosyllactose against E. Coli O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.

Nutrients , Volume: 12 Issue: 5 2020 May 1

Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S

Effect of chicory inulin-type fructan-containing snack bars on the human gut microbiota in low dietary fiber consumers in a randomized crossover trial.

The American journal of clinical nutrition , Volume: 111 Issue: 6 2020 Jun 1

Authors Reimer RA,Soto-Vaca A,Nicolucci AC,Mayengbam S,Park H,Madsen KL,Menon R,Vaughan EE

Cultivation of the Next-Generation Probiotic Akkermansia muciniphila, Methods of Its Safe Delivery to the Intestine, and Factors Contributing to Its Growth In Vivo.

Current microbiology , Volume: 77 Issue: 8 2020 Aug

Authors Ropot AV,Karamzin AM,Sergeyev OV

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

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

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

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

Conserved and variable responses of the gut microbiome to resistant starch type 2

Nutrition research (New York, N.Y.) , Volume: 77 2020 Feb 22

Authors Bendiks ZA,Knudsen KEB,Keenan MJ,Marco ML

Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE^{-/-} Mice.

Frontiers in pharmacology , Volume: 11 2020

Authors Wu M,Yang S,Wang S,Cao Y,Zhao R,Li X,Xing Y,Liu L

Dynamic changes in gut microbiota under the influence of smoking and TNF- α -blocker in patients with ankylosing spondylitis.

Clinical rheumatology , Volume: 39 Issue: 9 2020 Sep

Authors Zhang F,Ma C,Zhang B,Bi L

Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.

The British journal of nutrition , Volume: 124 Issue: 3 2020 Aug 14

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

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

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

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

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.

Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun

Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B

Stable Colonization of Orally Administered Lactobacillus casei SY13 Alters the Gut Microbiota.

BioMed research international , Volume: 2020 2020

Authors Yue Y,Xu X,Yang B,Lu J,Zhang S,Liu L,Nassar K,Zhang C,Zhang M,Pang X,Lv J

Prebiotic activity of garlic (*Allium sativum*) extract on *Lactobacillus acidophilus*.

Veterinary world , Volume: 12 Issue: 12 2019 Dec

Authors Sunu P,Sunarti D,Mahfudz LD,Yunianto VD

Effect of berberine on spleen transcriptome and gut microbiota composition in experimental autoimmune uveitis.

International immunopharmacology , Volume: 81 2020 Apr

Authors Du Z,Wang Q,Huang X,Yi S,Mei S,Yuan G,Su G,Cao Q,Zhou C,Wang Y,Kijlstra A,Yang P

Antibacterial Effects of Schisandra chinensis Extract on Escherichia coli and its Applications in Cosmetic.

Current microbiology , Volume: 77 Issue: 5 2020 May

Authors Cui SM,Li T,Wang Q,He KK,Zheng YM,Liang HY,Song LY

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

Berberine combined with stachyose induces better glycometabolism than berberine alone through modulating gut microbiota and fecal metabolomics in diabetic mice.

Phytotherapy research : PTR , 2019 Dec 13

Authors Li CN,Wang X,Lei L,Liu MZ,Li RC,Sun SJ,Liu SN,Huan Y,Zhou T,Liu Q,Cao H,Bai GL,Han YW,Shen ZF

Lactobacillus rhamnosus from human breast milk shows therapeutic function against foodborne infection by multi-drug resistant Escherichia coli in mice.

Food & function , Volume: 11 Issue: 1 2020 Jan 29

Authors Li N ,Pang B ,Liu G ,Zhao X ,Xu X ,Jiang C ,Yang B ,Liu Y ,Shi J

Structural Analysis of Gluco-Oligosaccharides Produced by *Leuconostoc lactis* and Their Prebiotic Effect.

Molecules (Basel, Switzerland) , Volume: 24 Issue: 21 2019 Nov 5

Authors Lee S,Park J,Jang JK, Lee BH,Park YS

Chitooligosaccharides Prevents the Development of Colitis-Associated Colorectal Cancer by Modulating the Intestinal Microbiota and Mycobiota.

Frontiers in microbiology , Volume: 10 2019

Authors Wu M,Li J,An Y,Li P,Xiong W,Li J,Yan D,Wang M,Zhong G

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.

European journal of nutrition , 2019 Oct 11

Authors Hess AL,Benítez-Páez A,Blædel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.

Intestinal microbiome analysis demonstrates azithromycin post-treatment effects improve when combined with lactulose.

World journal of pediatrics : WJP , Volume: 16 Issue: 2 2020 Apr

Authors Nikolaou E,Kamilari E,Savkov D,Sergeev A,Zakharova I,Vogazianos P,Tomazou M,Antoniades A,Shammas C

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

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

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

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

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

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

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,Löytniemi E,Salminen S,Nuutila P,Kalliokoski KK,Hannukainen JC

Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.

Frontiers in immunology , Volume: 10 2019

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

Improvement of non-invasive markers of NAFLD from an individualised, web-based exercise program.

Alimentary pharmacology & therapeutics , Volume: 50 Issue: 8 2019 Oct

Authors Huber Y,Pfirrmann D,Gebhardt I,Labenz C,Gehrke N,Straub BK,Ruckes C,Bantel H,Belda E,Clément K,Leeming DJ,Karsdal MA,Galle PR,Simon P,Schattenberg JM

Dietary Factors and Modulation of Bacteria Strains of *Akkermansia muciniphila* and *Faecalibacterium prausnitzii*: A Systematic Review.

Nutrients , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

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

Protective effects of a-galacto-oligosaccharides against a high-fat/western-style diet-induced metabolic abnormalities in mice.

Food & function , Volume: 10 Issue: 6 2019 Jun 19

Authors Dai Z,Feng S,Liu AB,Wang H,Zeng X,Yang CS

Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in *Citrobacter rodentium* Infected Mice.

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

Effects of a Lactulose-Rich Diet on Fecal Microbiome and Metabolome in Pregnant Mice.

Journal of agricultural and food chemistry , Volume: 67 Issue: 27 2019 Jul 10

Authors Zhang Z,Chen X,Zhao J,Tian C,Wei X,Li H,Lin W,Jiang A,Feng R,Yuan J,Zhao X

Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10

Authors Sakai Y,Seki N,Hamano K,Ochi H,Abe F,Masuda K,Iino H

Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10

Authors Sakai Y,Seki N,Hamano K,Ochi H,Abe F,Masuda K,Iino H

Stability of probiotics with antibiotics via gastric tube by simple suspension method: An in vitro study.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , 2019 May 21

Authors Mitsuboshi S,Muto K,Okubo K,Fukuhara 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

Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.

The American journal of clinical nutrition , Volume: 109 Issue: 6 2019 Jun 1

Authors Hiel S, Bindels LB, Pachikian BD, Kalala G, Broers V, Zamariola G, Chang BPI, Kambashi B, Rodriguez J, Cani PD, Neyrinck AM, Thissen JP, Luminet O, Bindelle J, Delzenne NM

A study of the prebiotic effect of lactulose at low dosages in healthy Japanese women.

Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019

Authors Sakai Y,Seki N,Hamano H,Ochi H,Abe F,Shimizu F,Masuda K,Iino H

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

Beneficial effects of ginger on prevention of obesity through modulation of gut microbiota in mice.

European journal of nutrition , Volume: 59 Issue: 2 2020 Mar

Authors Wang J, Wang P, Li D, Hu X, Chen F

Targeting the Gut Microbiota to Investigate the Mechanism of Lactulose in Negating the Effects of a High-Salt Diet on Hypertension.

Molecular nutrition & food research , Volume: 63 Issue: 11 2019 Jun

Authors Zhang Z,Zhao J,Tian C,Chen X,Li H,Wei X,Lin W,Zheng N,Jiang A,Feng R,Yuan J,Zhao X

Functional Interactions between Gut Microbiota Transplantation, Quercetin, and High-Fat Diet Determine Non-Alcoholic Fatty Liver Disease Development in Germ-Free Mice.

Molecular nutrition & food research , Volume: 63 Issue: 8 2019 Apr

Authors Porras D, Nistal E, Martínez-Flórez S, Olcoz JL, Jover R, Jorquera F, González-Gallego J, García-Mediavilla MV, Sánchez-Campos S

Effects of short-term endurance exercise on gut microbiota in elderly men.

Physiological reports , Volume: 6 Issue: 23 2018 Dec

Authors Taniguchi H, Tanisawa K, Sun X, Kubo T, Hoshino Y, Hosokawa M, Takeyama H, Higuchi M

Effects of Schisandra chinensis polysaccharides on rats with antibiotic-associated diarrhea.

International journal of biological macromolecules , Volume: 124 2019 Mar 1

Authors Qi Y, Chen L, Gao K, Shao Z, Huo X, Hua M, Liu S, Sun Y, Li S

Identification of factors involved in Enterococcus faecalis biofilm under quercetin stress.

Microbial pathogenesis , Volume: 126 2019 Jan

Authors Qayyum S, Sharma D, Bisht D, Khan AU

Strategies to promote abundance of *Akkermansia muciniphila*, an emerging probiotics in the gut, evidence from dietary intervention studies.

Journal of functional foods , Volume: 33 2017 Jun

Authors Zhou K

Prevalence and Antimicrobial Susceptibility of Bacterial Uropathogens Isolated from Pediatric Patients at Yekatit 12

Hospital Medical College, Addis Ababa, Ethiopia.

International journal of microbiology , Volume: 2018 2018

Authors Merga Duffa Y, Terfa Kitila K, Mamuye Gebretsadik D, Bitew A

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, Hollmén M, Elo L, Huovinen P, D'Auria G, Pekkala S

Metagenomic Insights into the Degradation of Resistant Starch by Human Gut Microbiota.

Applied and environmental microbiology , Volume: 84 Issue: 23 2018 Dec 1

Authors Vital M, Howe A, Bergeron N, Krauss RM, Jansson JK, Tiedje JM

The Effects of Berberine on the Gut Microbiota in Apc ^{min/+} Mice Fed with a High Fat Diet.

Molecules (Basel, Switzerland) , Volume: 23 Issue: 9 2018 Sep 8

Authors Wang H, Guan L, Li J, Lai M, Wen X

Antifungal efficacy of herbs.

Journal of oral biology and craniofacial research , Volume: 9 Issue: 1 2019 Jan-Mar

Authors Samadi FM, Suhail S, Sonam M, Sharma N, Singh S, Gupta S, Dobhal A, Pradhan H

Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.

Archives of animal nutrition , Volume: 72 Issue: 6 2018 Dec

Authors Li B, Schroyen M, Leblois J, Wavreille J, Soyeurt H, Bindelle J, Everaert N

[Microbiological profiles of pathogens causing nosocomial bacteremia in 2011, 2013 and 2016].

Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 34 Issue: 8 2018 Aug 25

Authors Wang X, Zhao C, Li H, Chen H, Jin L, Wang Z, Liao K, Zeng J, Xu X, Jin Y, Su D, Liu W, Hu Z, Cao B, Chu Y, Zhang R, Luo Y, Hu B, Wang H

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

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

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

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Singh A, Zapata RC, Pezeshki A, Reidelberger RD, Chelikani PK

Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections.

Molecules (Basel, Switzerland) , Volume: 23 Issue: 7 2018 Jul 9

Authors Ebani VV, Nardoni S, Bertelloni F, Pistelli L, Mancianti F

In Vivo Anti-Inflammatory, Anti-Bacterial and Anti-Diarrhoeal Activity of Ziziphus Jujuba Fruit Extract.

Open access Macedonian journal of medical sciences , Volume: 6 Issue: 5 2018 May 20

Authors Mesaik AM, Poh HW, Bin OY, Elawad I, Alsayed B

Dietary fiber intervention on gut microbiota composition in healthy adults: a systematic review and meta-analysis.

The American journal of clinical nutrition , Volume: 107 Issue: 6 2018 Jun 1

Authors So D, Whelan K, Rossi M, Morrison M, Holtmann G, Kelly JT, Shanahan ER, Staudacher HM, Campbell KL

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

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

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

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

Screening and characterization of selected drugs having antibacterial potential.

Pakistan journal of pharmaceutical sciences , Volume: 31 Issue: 3 2018 May

Authors Javed H, Tabassum S, Erum S, Murtaza I, Muhammad A, Amin F, Nisar MF

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

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

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

Smoking and the intestinal microbiome.

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

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

Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57BL/6J mice.

MicrobiologyOpen , Volume: 7 Issue: 6 2018 Dec

Authors Zhai S,Zhu L,Qin S,Li L

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

Nature , Volume: 555 Issue: 7698 2018 Mar 29

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

Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.

Nutrition & diabetes , Volume: 8 Issue: 1 2018 Mar 7

Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

PeerJ , Volume: 6 2018

Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X

Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation.

Applied and environmental microbiology , Volume: 84 Issue: 9 2018 May 1

Authors Rivière A,Selak M,Geirnaert A,Van den Abbeele P,De Vuyst L

Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.

The British journal of nutrition , Volume: 119 Issue: 2 2018 Jan

Authors Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J

Thymus mastichina L. essential oils from Murcia (Spain): Composition and antioxidant, antienzymatic and antimicrobial bioactivities.

PloS one , Volume: 13 Issue: 1 2018

Authors Cutillas AB,Carrasco A,Martinez-Gutierrez R,Tomas V,Tudela J

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

Berberine treatment increases Akkermansia in the gut and improves high-fat diet-induced atherosclerosis in Apoe(-/-) mice.

Atherosclerosis , Volume: 268 2018 Jan

Authors Zhu L,Zhang D,Zhu H,Zhu J,Weng S,Dong L,Liu T,Hu Y,Shen X

Amelioration of Intestinal Barrier Dysfunction by Berberine in the Treatment of Nonalcoholic Fatty Liver Disease in Rats.

Pharmacognosy magazine , Volume: 13 Issue: 52 2017 Oct-Dec

Authors Li D,Zheng J,Hu Y,Hou H,Hao S,Liu N,Wang Y

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

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

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

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

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

Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.

International journal of molecular sciences , Volume: 18 Issue: 10 2017 Oct 4

Authors Medina DA,Pinto F,Ovalle A,Thomson P,Garrido D

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

Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.**Journal of food and drug analysis** , Volume: 25 Issue: 2 2017 Apr

Authors Semeniciu CA,Pop CR,Rotar AM

A single early-in-life macrolide course has lasting effects on murine microbial network topology and immunity**Nature Communications** , Volume: 8 2017 Sep 11

Authors Ruiz VE,Battaglia T,Kurtz ZD,Bijnens L,Ou A,Engstrand I,Zheng X,Iizumi T,Mullins BJ,Müller CL,Cadwell K,Bonneau R,Perez-Perez GI,Blaser MJ

Changes in the intestinal microbiota following the administration of azithromycin in a randomised placebo-controlled trial among infants in south India**Scientific Reports** , Volume: 7 2017 Aug 23

Authors Parker EP,Praharaj I,John J,Kaliappan SP,Kampmann B,Kang G,Grassly NC

Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.**Food & nutrition research** , Volume: 61 Issue: 1 2017

Authors Shen L,Liu L,ji HF

Dietary Propolis Ameliorates Dextran Sulfate Sodium-Induced Colitis and Modulates the Gut Microbiota in Rats Fed a Western Diet.**Nutrients** , Volume: 9 Issue: 8 2017 Aug 14

Authors Wang K,Jin X,You M,Tian W,Le Leu RK,Topping DL,Conlon MA,Wu L,Hu F

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

Dose-Dependent Prebiotic Effect of Lactulose in a Computer-Controlled In Vitro Model of the Human Large Intestine.**Nutrients** , Volume: 9 Issue: 7 2017 Jul 18

Authors Bothe MK,Maathuis AJH,Bellmann S,van der Vossen JMBM,Berressem D,Koehler A,Schwejda-Guettes S,Gaigg B,Kuchinka-Koch A,Stover JF

Association of Silver Nanoparticles and Curcumin Solid Dispersion: Antimicrobial and Antioxidant Properties.**AAPS PharmSciTech** , Volume: 19 Issue: 1 2018 Jan

Authors Alves TF,Chaud MV,Grotto D,Jozala AF,Pandit R,Rai M,Dos Santos CA

Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.**Journal of food science** , Volume: 82 Issue: 8 2017 Aug

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

Monitoring *in vitro* antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.**Integrative medicine research** , Volume: 3 Issue: 3 2014 Sep

Authors Rath S,Padhy RN

Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects.**Omics : a journal of integrative biology** , Volume: 22 Issue: 2 2018 Feb

Authors Bekiares N,Krueger CG,Meudt JJ,Shanmuganayagam D,Reed JD

Inhibition of Pseudomonas aeruginosa quorum sensing by subinhibitory concentrations of curcumin with gentamicin and azithromycin.**Journal of global antimicrobial resistance** , Volume: 10 2017 Sep

Authors Bahari S,Zeighami H,Mirshahabi H,Roudashti S,Haghi F

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

Influence of chronic azithromycin treatment on the composition of the oropharyngeal microbial community in patients with severe asthma.**BMC microbiology** , Volume: 17 Issue: 1 2017 May 10

Authors Lopes Dos Santos Santiago G,Brusselle G,Dauwe K,Deschaght P,Verhofstede C,Vaneechoutte D,Deschepper E,Jordens P,Joos G,Vaneechoutte M

Characterization of non-dialyzable constituents from cranberry juice that inhibit adhesion, co-aggregation and biofilm formation by oral bacteria.**Food & function** , Volume: 8 Issue: 5 2017 May 24

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

I,Weiss EI

Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.

Molecular medicine reports , Volume: 15 Issue: 5 2017 May

Authors Xu JH,Liu XZ,Pan W,Zou DJ

Inulin with different degrees of polymerization modulates composition of intestinal microbiota in mice.

FEMS microbiology letters , Volume: 364 Issue: 10 2017 May 1

Authors Zhu L,Qin S,Zhai S,Gao Y,Li L

Zingiber officinale: Its antibacterial activity on Pseudomonas aeruginosa and mode of action evaluated by flow cytometry.

Microbial pathogenesis , Volume: 107 2017 Jun

Authors Chakotiya AS,Tanwar A,Narula A,Sharma RK

Influence of diet on the gut microbiome and implications for human health.

Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

Antibiotic use in childhood alters the gut microbiota and predisposes to overweight

Microbial Cell , Volume: 3 Issue: 7 2016 Jun 20

Authors Korpela K,de Vos WM

Good Bugs vs Bad Bugs: Evaluation of Inhibitory Effect of Selected Probiotics against Enterococcus faecalis.

The journal of contemporary dental practice , Volume: 18 Issue: 4 2017 Apr 1

Authors Bohora AA,Kokate SR

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

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

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

Evaluation of Phenolic Compounds and Antioxidant and Antimicrobial Activities of Some Common Herbs.

International journal of analytical chemistry , Volume: 2017 2017

Authors Abdul Qadir M,Shahzadi SK,Bashir A,Munir A,Shahzad S

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

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

Authors Abu Hafsa SH,Ibrahim SA

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

Synergistic activity of sub-inhibitory concentrations of curcumin with ceftazidime and ciprofloxacin against Pseudomonas aeruginosa quorum sensing related genes and virulence traits.

World journal of microbiology & biotechnology , Volume: 33 Issue: 3 2017 Mar

Authors Roudashti S,Zeighami H,Mirshahabi H,Bahari S,Soltani A,Haghi F

Characterization of ginger essential oil/palygorskite composite (GEO-PGS) and its anti-bacteria activity.

Materials science & engineering. C, Materials for biological applications , Volume: 73 2017 Apr 1

Authors Lei H,Wei Q,Wang Q,Su A,Xue M,Liu Q,Hu Q

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

Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals.

Proceedings of the National Academy of Sciences of the United States of America , Volume: 114 Issue: 3 2017 Jan 17

Authors Azcarate-Peril MA,Ritter AJ,Savaiano D,Monteagudo-Mera A,Anderson C,Magness ST,Klaenhammer TR

Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.

Diabetes , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM,Kim TT,Denou E,Soltys CM,Hamza SM,Byrne NJ,Masson G,Park H,Wishart DS,Madsen KL,Schertzer JD,Dyck JR

Breaking the resistance of Escherichia coli: Antimicrobial activity of Berberis lycium Royle.

Microbial pathogenesis , Volume: 102 2017 Jan

Authors Malik TA,Kamili AN,Chishti MZ,Ahad S,Tantray MA,Hussain PR,Johri RK

[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

[Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.](#)

International journal of food microbiology , Volume: 241 2017 Jan 16

Authors Moens F,Verce M,De Vuyst L

[Fucosyllactose and L-fucose utilization of infant Bifidobacterium longum and Bifidobacterium kashiwanohense.](#)

BMC microbiology , Volume: 16 Issue: 1 2016 Oct 26

Authors Bunesova V,Lacroix C,Schwab C

[Oral supplementation of healthy adults with 2`-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.](#)

The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct

Authors Elison E,Vigsnaes LK,Rindom Krogsgaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P

[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

[Berberine Is a Novel Type Efflux Inhibitor Which Attenuates the MexXY-Mediated Aminoglycoside Resistance in Pseudomonas aeruginosa.](#)

Frontiers in microbiology , Volume: 7 2016

Authors Morita Y,Nakashima K,Nishino K,Kotani K,Tomida J,Inoue M,Kawamura Y

[An ATP Binding Cassette Transporter Mediates the Uptake of \$\alpha\$ -\(1,6\)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.](#)

The Journal of biological chemistry , Volume: 291 Issue: 38 2016 Sep 16

Authors Ejby M,Fredslund F,Andersen JM,Vujicic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M

[Randomised, double-blind, placebo-controlled trial with azithromycin selects for anti-inflammatory microbial metabolites in the emphysematous lung.](#)

Thorax , Volume: 72 Issue: 1 2017 Jan

Authors Segal LN,Clemente JC,Wu BG,Wikoff WR,Gao Z,Li Y,Ko JP,Rom WN,Blaser MJ,Weiden MD

[In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.](#)

Journal of intercultural ethnopharmacology , Volume: 5 Issue: 3 2016 Jun-Aug

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

[Microbiome-Metabolome Responses in the Cecum and Colon of Pig to a High Resistant Starch Diet.](#)

Frontiers in microbiology , Volume: 7 2016

Authors Sun Y,Su Y,Zhu W

[Significant pharmacokinetic differences of berberine are attributable to variations in gut microbiota between Africans and Chinese.](#)

Scientific reports , Volume: 6 2016 Jun 10

Authors Alolga RN,Fan Y,Chen Z,Liu LW,Zhao YJ,Li J,Chen Y,Lai MD,Li P,Qi LW

[The effect of berberine hydrochloride on Enterococcus faecalis biofilm formation and dispersion in vitro.](#)

Microbiological research , Volume: 186-187 2016 May-Jun

Authors Chen L,Bu Q,Xu H,Liu Y,She P,Tan R,Wu Y

[Obese ZDF rats fermented resistant starch with effects on gut microbiota but no reduction in abdominal fat.](#)

Molecular nutrition & food research , Volume: 61 Issue: 1 2017 Jan

Authors Goldsmith F,Guice J,Page R,Welsh DA,Taylor CM,Blanchard EE,Luo M,Raggio AM,Stout RW,Carvajal-Aldaz D,Gaither A,Pelkman C,Ye J,Martin RJ,Geaghan J,Durham HA,Coulon D,Keenan MJ

[Prevalence and Antimicrobial Resistance Patterns of Diarrheagenic Escherichia coli in Shanghai, China.](#)

The Pediatric infectious disease journal , Volume: 35 Issue: 8 2016 Aug

Authors Huang Z,Pan H,Zhang P,Cao X,Ju W,Wang C,Zhang J,Meng J,Yuan Z,Xu X

[Survey of the Antibiofilm and Antimicrobial Effects of Zingiber officinale \(in Vitro Study\).](#)

Jundishapur journal of microbiology , Volume: 9 Issue: 2 2016 Feb

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

[Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat`s tissue homogenate.](#)

Pakistan journal of pharmaceutical sciences , Volume: 29 Issue: 2 2016 Mar

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

Successful Doxycycline Therapy in a Patient With Escherichia coli and Multidrug-Resistant Klebsiella pneumoniae Urinary Tract Infection.

Journal of pharmacy practice , Volume: 30 Issue: 4 2017 Aug

Authors White CR,Jodlowski TZ,Atkins DT,Holland NG

Nondigestible Fructans Alter Gastrointestinal Barrier Function, Gene Expression, Histomorphology, and the Microbiota Profiles of Diet-Induced Obese C57BL/6J Mice.

The Journal of nutrition , Volume: 146 Issue: 5 2016 May

Authors Liu TW,Cephas KD,Holscher HD,Kerr KR,Mangian HF,Tappenden KA,Swanson KS

Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.

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

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

Anti-Adhesion Activity of A2-type Proanthocyanidins (a Cranberry Major Component) on Uropathogenic E. coli and P. mirabilis Strains.

Antibiotics (Basel, Switzerland) , Volume: 3 Issue: 2 2014 Apr 3

Authors Nicolosi D,Tempera G,Genovese C,Furneri PM

Antimicrobial activities of six essential oils commonly used as condiments in Brazil against Clostridium perfringens.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 47 Issue: 2 2016 Apr-Jun

Authors Radaelli M,da Silva BP,Weidlich L,Hoehne L,Flach A,da Costa LA,Ethur EM

In vitro extraction and fermentation of polyphenols from grape seeds (Vitis vinifera) by human intestinal microbiota.

Food & function , Volume: 7 Issue: 4 2016 Apr

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

Modulation of Gut Microbiota by Berberine Improves Steatohepatitis in High-Fat Diet-Fed BALB/C Mice.

Archives of Iranian medicine , Volume: 19 Issue: 3 2016 Mar

Authors Cao Y,Pan Q,Cai W,Shen F,Chen GY,Xu LM,Fan JG

Manipulation of the gut microbiota using resistant starch is associated with protection against colitis-associated colorectal cancer in rats.

Carcinogenesis , Volume: 37 Issue: 4 2016 Apr

Authors Hu Y,Le Leu RK,Christophersen CT,Somashekar R,Conlon MA,Meng XQ,Winter JM,Woodman RJ,McKinnon R,Young GP

High purity galacto-oligosaccharides enhance specific Bifidobacterium species and their metabolic activity in the mouse gut microbiome.

Beneficial microbes , Volume: 7 Issue: 2 2016

Authors Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA

The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 (IBRC-M 10784) as Probiotic Bacteria in vitro.

Archives of Iranian medicine , Volume: 19 Issue: 2 2016 Feb

Authors Mahboubi M,Kazempour N

Quercetin is an effective inhibitor of quorum sensing, biofilm formation and virulence factors in Pseudomonas aeruginosa.

Journal of applied microbiology , Volume: 120 Issue: 4 2016 Apr

Authors Ouyang J,Sun F,Feng W,Sun Y,Qiu X,Xiong L,Liu Y,Chen Y

Western diet induces a shift in microbiota composition enhancing susceptibility to Adherent-Invasive E. coli infection and intestinal inflammation.

Scientific reports , Volume: 6 2016 Jan 8

Authors Agus A,Denizot J,Thévenot J,Martinez-Medina M,Massier S,Sauvanet P,Bernalier-Donadille A,Denis S,Hofman P,Bonnet R,Billard E,Barnich N

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

An in vitro evaluation of antimicrobial activity of five herbal extracts and comparison of their activity with 2.5% sodium hypochlorite against Enterococcus faecalis.

Indian journal of dental research : official publication of Indian Society for Dental Research , Volume: 26 Issue: 5 2015 Sep-Oct

Authors Saxena D,Saha SG,Saha MK,Dubey S,Khatrri M

Adjuvant effect of cranberry proanthocyanidin active fraction on antivirulent property of ciprofloxacin against Pseudomonas aeruginosa.

Microbial pathogenesis , Volume: 90 2016 Jan

Authors Vadekeetil A,Alexandar V,Chhibber S,Harjai K

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

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

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

The Influence of Nonsteroidal Anti-Inflammatory Drugs on the Gut Microbiome

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 22 Issue: 2 2015 Oct 16

Authors Rogers MA,Aronoff DM

The effect of dietary resistant starch type 2 on the microbiota and markers of gut inflammation in rural Malawi children.

Microbiome , Volume: 3 2015 Sep 3

Authors Ordiz MI,May TD,Mihindukulasuriya K,Martin J,Crowley J,Tarr PI,Ryan K,Mortimer E,Gopalsamy G,Maleta K,Mitreva M,Young G,Manary MJ

Azithromycin Synergizes with Cationic Antimicrobial Peptides to Exert Bactericidal and Therapeutic Activity Against Highly Multidrug-Resistant Gram-Negative Bacterial Pathogens.

EBioMedicine , Volume: 2 Issue: 7 2015 Jul

Authors Lin L,Nonjeuie P,Munguia J,Hollands A,Olson J,Dam Q,Kumaraswamy M,Rivera H Jr,Corriden R,Rohde M,Hensler ME,Burkart MD,Pogliano J,Sakoulas G,Nizet V

Characterization of the Intestinal Lactobacilli Community following Galactooligosaccharides and Polydextrose Supplementation in the Neonatal Piglet.

PloS one , Volume: 10 Issue: 8 2015

Authors Hoeflinger JL,Kashtanov DO,Cox SB,Dowd SE,Jouni ZE,Donovan SM,Miller MJ

Allium cepa L. and Quercetin Inhibit RANKL/ Porphyromonas gingivalis LPS-Induced Osteoclastogenesis by Downregulating NF- κ B Signaling Pathway.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2015 2015

Authors Oliveira T,Figueiredo CA,Brito C,Stavroullakis A,Ferreira AC,Nogueira-Filho G,Prakki A

TLC-Direct Bioautography as a Bioassay Guided Method for Investigation of Antibacterial Compounds in Hypericum perforatum L.

Journal of AOAC International , Volume: 98 Issue: 4 2015 Jul-Aug

Authors Jesionek W,Móricz ÁM,Alberti Á,Ott PG,Kocsis B,Horváth G,Choma IM

Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.

Biology of sex differences , Volume: 6 2015

Authors Shastri P,McCarville J,Kalmokoff M,Brooks SP,Green-Johnson JM

Influence of galacto-oligosaccharide mixture (B-GOS) on gut microbiota, immune parameters and metabonomics in elderly persons.

The British journal of nutrition , Volume: 114 Issue: 4 2015 Aug 28

Authors Vulevic J,Juric A,Walton GE,Claus SP,Tzortzis G,Toward RE,Gibson GR

Agave Inulin Supplementation Affects the Fecal Microbiota of Healthy Adults Participating in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial.

The Journal of nutrition , Volume: 145 Issue: 9 2015 Sep

Authors Holscher HD,Bauer LL,Gourineni V,Pelkman CL,Fahey GC Jr,Swanson KS

Gelucire-Based Nanoparticles for Curcumin Targeting to Oral Mucosa: Preparation, Characterization, and Antimicrobial Activity Assessment.

Journal of pharmaceutical sciences , Volume: 104 Issue: 11 2015 Nov

Authors Hazzah HA,Farid RM,Nasra MMA,Hazzah WA,El-Massik MA,Abdallah OY

The Lignan-containing Extract of Schisandra chinensis Berries Inhibits the Growth of Chlamydia pneumonia.

Natural product communications , Volume: 10 Issue: 6 2015 Jun

Authors Hakala E,Hanski LL,Yrjönen T,Vuorela HJ,Vuorela PM

In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.

Journal of microbiology and biotechnology , Volume: 25 Issue: 9 2015 Sep

Authors Jung TH,Jeon WM,Han KS

Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.

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

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

Antimicrobial activity and antibiotic susceptibility of *Lactobacillus* and *Bifidobacterium* spp. intended for use as starter and probiotic cultures.

Biotechnology, biotechnological equipment , Volume: 29 Issue: 1 2015 Jan 2

Authors Georgieva R,Yocheva L,Tserovska L,Zhelezova G,Stefanova N,Atanasova A,Danguleva A,Ivanova G,Karapetkov N,Rumyan N,Karaivanova E

Dibenzocyclooctadiene lignans from Schisandra spp. selectively inhibit the growth of the intracellular bacteria Chlamydia

pneumoniae and Chlamydia trachomatis.

The Journal of antibiotics , Volume: 68 Issue: 10 2015 Oct

Authors Hakala E,Hanski L,Uvell H,Yrjönen T,Vuorela H,Elofsson M,Vuorela PM

Quercetin Potently Reduces Biofilm Formation of the Strain Pseudomonas aeruginosa PAO1 in vitro.

Current pharmaceutical biotechnology , Volume: 16 Issue: 8 2015

Authors Pejic B,Ciric A,Markovic JD,Glamoclija J,Nikolic M,Stanimirovic B,Sokovic M

Inhibitory effects of emodin, baicalin, schizandrin and berberine on hefA gene: treatment of Helicobacter pylori-induced multidrug resistance.

World journal of gastroenterology , Volume: 21 Issue: 14 2015 Apr 14

Authors Huang YQ,Huang GR,Wu MH,Tang HY,Huang ZS,Zhou XH,Yu WQ,Su JW,Mo XQ,Chen BP,Zhao LJ,Huang XF,Wei HY,Wei LD

Antifungal and antibacterial metabolites from a French poplar type propolis.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2015 2015

Authors Boisard S,Le Ray AM,Landreau A,Kempf M,Cassisa V,Flurin C,Richomme P

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

Food chemistry , Volume: 183 2015 Sep 15

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

Effects of sub-lethal concentrations of thyme and oregano essential oils, carvacrol, thymol, citral and trans-2-hexenal on membrane fatty acid composition and volatile molecule profile of Listeria monocytogenes, Escherichia coli and Salmonella enteritidis.

Food chemistry , Volume: 182 2015 Sep 1

Authors Siroli L,Patrignani F,Gardini F,Lanciotti R

Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.

International journal of food microbiology , Volume: 202 2015 Jun 2

Authors Akdemir Evrendilek G

Reshaping faecal gut microbiota composition by the intake of trans-resveratrol and quercetin in high-fat sucrose diet-fed rats.

The Journal of nutritional biochemistry , Volume: 26 Issue: 6 2015 Jun

Authors Etxeberria U,Arias N,Boqué N,Macarulla MT,Portillo MP,Martínez JA,Milagro FI

Berberine inhibits Chlamydia pneumoniae infection-induced vascular smooth muscle cell migration through downregulating MMP3 and MMP9 via PI3K.

European journal of pharmacology , Volume: 755 2015 May 15

Authors Ma L,Zhang L,Wang B,Wei J,Liu J,Zhang L

Characteristics of Metroxylon sagu resistant starch type III as prebiotic substance.

Journal of food science , Volume: 80 Issue: 4 2015 Apr

Authors Zi-Ni T,Rosma A,Napisah H,Karim AA,Liong MT

6-Gingerol reduces Pseudomonas aeruginosa biofilm formation and virulence via quorum sensing inhibition.

Scientific reports , Volume: 5 2015 Mar 2

Authors Kim HS,Lee SH,Byun Y,Park HD

Inhibition of adhesion of intestinal pathogens (Escherichia coli, Vibrio cholerae, Campylobacter jejuni, and Salmonella Typhimurium) by common oligosaccharides.

Foodborne pathogens and disease , Volume: 12 Issue: 4 2015 Apr

Authors Wang S,Wang J,Mou H,Luo B,Jiang X

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

Phenotypic and Molecular Characterization of Extended-Spectrum β -Lactamase Produced by Escherichia coli, and Klebsiella pneumoniae Isolates in an Educational Hospital.

Jundishapur journal of microbiology , Volume: 7 Issue: 10 2014 Oct

Authors Gholipour A,Soleimani N,Shokri D,Mobasherizadeh S,Kardi M,Baradaran A

Efficacy of contemporary and novel Intracanal medicaments against enterococcus faecalis.

The Journal of clinical pediatric dentistry , Volume: 39 Issue: 1 2014 Fall

Authors Marickar RF,Geetha RV,Neelakantan P

Inhibitory effects of different lactobacilli on Candida albicans hyphal formation and biofilm development.

Journal of biological regulators and homeostatic agents , Volume: 28 Issue: 4 2014 Oct-Dec

Authors Orsi CF,Sabia C,Ardizzoni A,Colombi B,Neglia RG,Peppoloni S,Morace G,Blasi E

Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed

[chardonnay grape seed flour.](#)

Journal of agricultural and food chemistry , Volume: 63 Issue: 5 2015 Feb 11

Authors Kim H, Kim DH, Seo KH, Chon JW, Nah SY, Bartley GE, Arvik T, Lipson R, Yokoyama W

[Distinct gene signatures in aortic tissue from ApoE^{-/-} mice exposed to pathogens or Western diet.](#)

BMC genomics , Volume: 15 Issue: 1 2014 Dec 24

Authors Kramer CD, Weinberg EO, Gower AC, He X, Mekasha S, Slocum C, Beaulieu LM, Wetzler L, Alekseyev Y, Gibson FC 3rd, Freedman JE, Ingalls RR, Genco CA

[Effect of Lactobacillus rhamnosus hsrlym 1301 on the Gut Microbiota and Lipid Metabolism in Rats Fed a High-Fat Diet.](#)

Journal of microbiology and biotechnology , Volume: 25 Issue: 5 2015 May

Authors Chen D, Yang Z, Chen X, Huang Y, Yin B, Guo F, Zhao H, Huang J, Wu Y, Gu R

[Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.](#)

PloS one , Volume: 9 Issue: 11 2014

Authors Koleva P, Ketabi A, Valcheva R, Gänzle MG, Dieleman LA

[Prebiotic effect of an infant formula supplemented with galacto-oligosaccharides: randomized multicenter trial.](#)

Journal of the American College of Nutrition , Volume: 33 Issue: 5 2014

Authors Giovannini M, Verduci E, Gregori D, Ballali S, Soldi S, Ghisleni D, Riva E, PLAGOS Trial Study Group.

[Total Phenolic Content and Antibacterial Activity of Five Plants of Labiatae against Four Foodborne and Some Other Bacteria.](#)

Iranian journal of pharmaceutical research : IJPR , Volume: 13 Issue: 2 2014 Spring

Authors Mahboubi A, Kamalinejad M, Ayatollahi AM, Babaeian M

[Effects of diet on gut microbiota profile and the implications for health and disease.](#)

Bioscience of microbiota, food and health , Volume: 32 Issue: 1 2013

Authors Lee YK

[Exploring the effects of galacto-oligosaccharides on the gut microbiota of healthy adults receiving amoxicillin treatment.](#)

The British journal of nutrition , Volume: 112 Issue: 4 2014 Aug 28

Authors Ladirat SE, Schoterman MH, Rahaoui H, Mars M, Schuren FH, Gruppen H, Nauta A, Schols HA

[Synergetic antimicrobial effects of mixtures of ethiopian honeys and ginger powder extracts on standard and resistant clinical bacteria isolates.](#)

Evidence-based complementary and alternative medicine : eCAM , Volume: 2014 2014

Authors Ewnetu Y, Lemma W, Birhane N

[Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.](#)

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E, Van de Wiele T, Jiménez-Girón A, Muñoz-González I, Martín-Alvarez PJ, Moreno-Arribas MV, Bartolomé B, Peláez C, Martínez-Cuesta MC, Requena T

[Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.](#)

Food & function , Volume: 5 Issue: 6 2014 Jun

Authors Qiao Y, Sun J, Xia S, Tang X, Shi Y, Le G

[Anti-staphylococcal activity of C-methyl flavanones from propolis of Australian stingless bees \(Tetragonula carbonaria\) and fruit resins of Corymbia torelliana \(Myrtaceae\).](#)

Fitoterapia , Volume: 95 2014 Jun

Authors Massaro CF, Katouli M, Grkovic T, Vu H, Quinn RJ, Heard TA, Carvalho C, Manley-Harris M, Wallace HM, Brooks P

[Anti-quorum sensing activity of Psidium guajava L. flavonoids against Chromobacterium violaceum and Pseudomonas aeruginosa PAO1.](#)

Microbiology and immunology , Volume: 58 Issue: 5 2014 May

Authors Vasavi HS, Arun AB, Rekha PD

[Abnormal Weight Gain and Gut Microbiota Modifications Are Side Effects of Long-Term Doxycycline and Hydroxychloroquine Treatment](#)

Antimicrobial Agents and Chemotherapy , Volume: 58 Issue: 6 2014 Jun

Authors Angelakis E, Million M, Kankoe S, Lagier JC, Armougom F, Giorgi R, Raoult D

[Changes chemopreventive markers in colorectal cancer development after inulin supplementation.](#)

Bratislavske lekarske listy , Volume: 115 Issue: 2 2014

Authors Hijova E, Szabadsova V, Strojny L, Bomba A

[RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.](#)

Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr

Authors Tannock GW, Lawley B, Munro K, Sims IM, Lee J, Butts CA, Roy N

[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

Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.

Clinical nutrition (Edinburgh, Scotland) , Volume: 33 Issue: 6 2014 Dec

Authors Majid HA,Cole J,Emery PW,Whelan K

Assessment of berberine as a multi-target antimicrobial: a multi-omics study for drug discovery and repositioning.

Omics : a journal of integrative biology , Volume: 18 Issue: 1 2014 Jan

Authors Karaosmanoglu K,Sayar NA,Kurnaz IA,Akbulut BS

Antimicrobial activity of essential oils against vancomycin-resistant enterococci (vre) and Escherichia coli o157:h7 in feta soft cheese and minced beef meat.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 42 Issue: 1 2011 Jan

Authors Selim S

Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.

Glycobiology , Volume: 23 Issue: 11 2013 Nov

Authors Yu ZT,Chen C,Newburg DS

Functional ginger extracts from supercritical fluid carbon dioxide extraction via in vitro and in vivo assays: antioxidation, antimicroorganism, and mice xenografts models.

TheScientificWorldJournal , Volume: 2013 2013

Authors Lee CC,Chiou LY,Wang JY,Chou SY,Lan JC,Huang TS,Huang KC,Wang HM

Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.

Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec

Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

Antimicrobial effect of natural polyphenols with or without antibiotics on Chlamydia pneumoniae infection in vitro.

Microbial drug resistance (Larchmont, N.Y.) , Volume: 20 Issue: 1 2014 Feb

Authors Rizzo A,Carratelli CR,Losacco A,Iovene MR

Resveratrol in Chlamydia pneumoniae-induced foam cell formation and interleukin-17A synthesis.

Journal of biological regulators and homeostatic agents , Volume: 27 Issue: 2 2013 Apr-Jun

Authors Di Pietro M,De Santis F,Schiavoni G,Filardo S,Sessa R

Intestinal microbiology in early life: specific prebiotics can have similar functionalities as human-milk oligosaccharides.

The American journal of clinical nutrition , Volume: 98 Issue: 2 2013 Aug

Authors Oozeer R,van Limpt K,Ludwig T,Ben Amor K,Martin R,Wind RD,Boehm G,Knol J

Cranberry impairs selected behaviors essential for virulence in Proteus mirabilis HI4320.

Canadian journal of microbiology , Volume: 59 Issue: 6 2013 Jun

Authors McCall J,Hidalgo G,Asadishad B,Tufenkji N

In vitro evaluation of Portuguese propolis and floral sources for antiprotozoal, antibacterial and antifungal activity.

Phytotherapy research : PTR , Volume: 28 Issue: 3 2014 Mar

Authors Falcão SI,Vale N,Cos P,Gomes P,Freire C,Maes L,Vilas-Boas M

Associations between the human intestinal microbiota, Lactobacillus rhamnosus GG and serum lipids indicated by integrated analysis of high-throughput profiling data.

PeerJ , Volume: 1 2013

Authors Lahti L,Salonen A,Kekkonen RA,Salojärvi J,Jalanka-Tuovinen J,Palva A,Orešić M,de Vos WM

Fiber and prebiotics: mechanisms and health benefits.

Nutrients , Volume: 5 Issue: 4 2013 Apr 22

Authors Slavin J

Potential antibacterial activity of berberine against multi drug resistant enterovirulent Escherichia coli isolated from yaks (Poephagus grunniens) with haemorrhagic diarrhoea.

Asian Pacific journal of tropical medicine , Volume: 6 Issue: 4 2013 Apr 13

Authors Bandyopadhyay S,Patra PH,Mahanti A,Mondal DK,Dandapat P,Bandyopadhyay S,Samanta I,Lodh C,Bera AK,Bhattacharyya D,Sarkar M,Baruah KK

Inulin-type fructans with different degrees of polymerization improve lipid metabolism but not glucose metabolism in rats fed a high-fat diet under energy restriction.

Digestive diseases and sciences , Volume: 58 Issue: 8 2013 Aug

Authors Han KH,Tsuchihira H,Nakamura Y,Shimada K,Ohba K,Aritsuka T,Uchino H,Kikuchi H,Fukushima M

Influence of coffee (Coffea arabica) and galacto-oligosaccharide consumption on intestinal microbiota and the host responses.

FEMS microbiology letters , Volume: 343 Issue: 2 2013 Jun

Authors Nakayama T,Oishi K

The effect of American cranberry (*Vaccinium macrocarpon*) constituents on the growth inhibition, membrane integrity, and injury of *Escherichia coli* O157:H7 and *Listeria monocytogenes* in comparison to *Lactobacillus rhamnosus*.

Food microbiology , Volume: 34 Issue: 2 2013 Jun

Authors Lacombe A,McGivney C,Tadepalli S,Sun X,Wu VC

Smoking cessation induces profound changes in the composition of the intestinal microbiota in humans.

PloS one , Volume: 8 Issue: 3 2013

Authors Biedermann L,Zeit J,Mwinyi J,Sutter-Minder E,Rehman A,Ott SJ,Steurer-Stey C,Frei A,Frei P,Scharl M,Loessner MJ,Vavricka SR,Fried M,Schreiber S,Schuppler M,Rogler G

Effectiveness of curcumin against *Enterococcus faecalis* biofilm.

Acta odontologica Scandinavica , Volume: 71 Issue: 6 2013 Nov

Authors Neelakantan P,Subbarao C,Sharma S,Subbarao CV,Garcia-Godoy F,Gutmann JL

A diet high in resistant starch modulates microbiota composition, SCFA concentrations, and gene expression in pig intestine.

The Journal of nutrition , Volume: 143 Issue: 3 2013 Mar

Authors Haenen D,Zhang J,Souza da Silva C,Bosch G,van der Meer IM,van Arkel J,van den Borne JJ,Pérez Gutiérrez O,Smidt H,Kemp B,Müller M,Hooiveld GJ

In vitro antimicrobial assessment of Cuban propolis extracts.

Memorias do Instituto Oswaldo Cruz , Volume: 107 Issue: 8 2012 Dec

Authors Monzote L,Cuesta-Rubio O,Campo Fernandez M,Márquez Hernandez I,Fraga J,Pérez K,Kerstens M,Maes L,Cos P

The inhibitory effect of polyphenols on human gut microbiota.

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 63 Issue: 5 2012 Oct

Authors Duda-Chodak A

Synergistic effects of honey and propolis toward drug multi-resistant *Staphylococcus aureus*, *Escherichia coli* and *Candida albicans* isolates in single and polymicrobial cultures.

International journal of medical sciences , Volume: 9 Issue: 9 2012

Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K

In vitro fermentation of commercial a-gluco-oligosaccharide by faecal microbiota from lean and obese human subjects.

The British journal of nutrition , Volume: 109 Issue: 11 2013 Jun

Authors Sarbini SR,Kolida S,Gibson GR,Rastall RA

Vitamin C inhibits *staphylococcus aureus* growth and enhances the inhibitory effect of quercetin on growth of *Escherichia coli* in vitro.

Planta medica , Volume: 78 Issue: 17 2012 Nov

Authors Kallio J,Jaakkola M,Mäki M,Kilpeläinen P,Virtanen V

The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota.

Glycobiology , Volume: 23 Issue: 2 2013 Feb

Authors Yu ZT,Chen C,Kling DE,Liu B,McCoy JM,Merighi M,Heidtman M,Newburg DS

Chemical composition, olfactory analysis and antibacterial activity of *Thymus vulgaris* chemotypes geraniol, 4-thujanol/terpinen-4-ol, thymol and linalool cultivated in southern France.

Natural product communications , Volume: 7 Issue: 8 2012 Aug

Authors Schmidt E,Wanner J,Hiiferl M,Jirovetz L,Buchbauer G,Gochev V,Girova T,Stoyanova A,Geissler M

The intestinal microbiota in aged mice is modulated by dietary resistant starch and correlated with improvements in host responses.

FEMS microbiology ecology , Volume: 83 Issue: 2 2013 Feb

Authors Tachon S,Zhou J,Keenan M,Martin R,Marco ML

The inhibitory activity of typified propolis against *Enterococcus* species.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 67 Issue: 5-6 2012 May-Jun

Authors Moncla BJ,Guevara PW,Wallace JA,Marcucci MC,Nor JE,Bretz WA

Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.

PloS one , Volume: 7 Issue: 8 2012

Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L

Effect of berberine on *Escherichia coli*, *Bacillus subtilis*, and their mixtures as determined by isothermal microcalorimetry.

Applied microbiology and biotechnology , Volume: 96 Issue: 2 2012 Oct

Authors Kong WJ,Xing XY,Xiao XH,Zhao YL,Wei JH,Wang JB,Yang RC,Yang MH

Efficacy of berberine, an antimicrobial plant alkaloid, as an endodontic irrigant against a mixed-culture biofilm in an in vitro tooth model.

Journal of endodontics , Volume: 38 Issue: 8 2012 Aug

Authors Xie Q,Johnson BR,Wenckus CS,Fayad MI,Wu CD

Effect of chito-oligosaccharide on growth performance, intestinal barrier function, intestinal morphology and cecal microflora in weaned pigs.

Journal of animal science , Volume: 90 Issue: 8 2012 Aug

Authors Yang CM,Ferket PR,Hong QH,Zhou J,Cao GT,Zhou L,Chen AG

Inulin modifies the bifidobacteria population, fecal lactate concentration, and fecal pH but does not influence iron absorption in women with low iron status.

The American journal of clinical nutrition , Volume: 96 Issue: 2 2012 Aug

Authors Petry N,Egli I,Chassard C,Lacroix C,Hurrell R

Synthesis and evaluation of antimicrobial activity of 4H-pyrimido[2,1-b]benzothiazole, pyrazole and benzylidene derivatives of curcumin.

European journal of medicinal chemistry , Volume: 54 2012 Aug

Authors Sahu PK,Sahu PK,Gupta SK,Thavaselvam D,Agarwal DD

Microbiota benefits after inulin and partially hydrolyzed guar gum supplementation: a randomized clinical trial in constipated women.

Nutricion hospitalaria , Volume: 27 Issue: 1 2012 Jan-Feb

Authors Linetzky Waitzberg D,Alves Pereira CC,Logullo L,Manzoni Jacintho T,Almeida D,Teixeira da Silva ML,Matos de Miranda Torrinhas RS

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

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

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

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

Folia microbiologica , Volume: 57 Issue: 4 2012 Jul

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

Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr

Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM

Effects of cranberry extracts on growth and biofilm production of Escherichia coli and Staphylococcus species.

Phytotherapy research : PTR , Volume: 26 Issue: 9 2012 Sep

Authors LaPlante KL,Sarkisian SA,Woodmansee S,Rowley DC,Seeram NP

Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.

The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14

Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA

Grape antioxidant dietary fiber stimulates Lactobacillus growth in rat cecum.

Journal of food science , Volume: 77 Issue: 2 2012 Feb

Authors Pozuelo MJ,Agís-Torres A,Hervet-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I

The antimicrobial activity of essential oils and extracts of some medicinal plants grown in Ash-shoubak region - South of Jordan.

Pakistan journal of pharmaceutical sciences , Volume: 25 Issue: 1 2012 Jan

Authors Abu-Darwish MS,Al-Ramamneh EA,Kyslychenko VS,Karpiuk UV

Macrolides in the treatment of asthma.

Current opinion in pulmonary medicine , Volume: 18 Issue: 1 2012 Jan

Authors Good JT Jr,Rollins DR,Martin RJ

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

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

Authors Toroglu S

Schisandra chinensis a-iso-cubeenol induces heme oxygenase-1 expression through PI3K/Akt and Nrf2 signaling and has anti-inflammatory activity in Porphyromonas gingivalis lipopolysaccharide-stimulated macrophages.

International immunopharmacology , Volume: 11 Issue: 11 2011 Nov

Authors Park SY,Park DJ,Kim YH,Kim Y,Choi YW,Lee SJ

Upregulation of heme oxygenase-1 via PI3K/Akt and Nrf-2 signaling pathways mediates the anti-inflammatory activity of Schisandrin in Porphyromonas gingivalis LPS-stimulated macrophages.

Immunology letters , Volume: 139 Issue: 1-2 2011 Sep 30

Authors Park SY,Park DJ,Kim YH,Kim Y,Kim SG,Shon KJ,Choi YW,Lee SJ

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

Poultry science , Volume: 90 Issue: 3 2011 Mar

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

[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

[Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.](#)

Food microbiology , Volume: 27 Issue: 7 2010 Oct

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

[Dominant and diet-responsive groups of bacteria within the human colonic microbiota.](#)

The ISME journal , Volume: 5 Issue: 2 2011 Feb

Authors Walker AW,Ince J,Duncan SH,Webster LM,Holtrop G,Ze X,Brown D,Stares MD,Scott P,Bergerat A,Louis P,McIntosh

F,Johnstone AM,Lobley GE,Parkhill J,Flint HJ

[Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.](#)

Journal of animal science , Volume: 88 Issue: 9 2010 Sep

Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr

[Consumption of human milk oligosaccharides by gut-related microbes.](#)

Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12

Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA

[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

[Comparisons of subgingival microbial profiles of refractory periodontitis, severe periodontitis, and periodontal health using the human oral microbe identification microarray.](#)

Journal of periodontology , Volume: 80 Issue: 9 2009 Sep

Authors Colombo AP,Boches SK,Cotton SL,Goodson JM,Kent R,Haffajee AD,Socransky SS,Hasturk H,Van Dyke TE,Dewhirst F,Paster BJ

[In vitro inhibitory effect of cranberry \(Vaccinium macrocarpum Ait.\) juice on pathogenic microorganisms.](#)

Prikladnaia biokhimiia i mikrobiologiya , Volume: 44 Issue: 3 2008 May-Jun

Authors Magariños HL,Sahr C,Selaive SD,Costa ME,Figuerola FE,Pizarro OA

[Effect of thymol on microbial diversity in the porcine jejunum.](#)

International journal of food microbiology , Volume: 126 Issue: 1-2 2008 Aug 15

Authors Janczyk P,Trevisi P,Souffrant WB,Bosi P

[A study of chemical composition and antimicrobial activity of Bulgarian propolis.](#)

Folia medica , Volume: 49 Issue: 3-4 2007

Authors Gardjeva PA,Dimitrova SZ,Kostadinov ID,Murdjeva MA,Peyche LP,Lukanov LK,Stanimirova IV,Alexandrov AS

[Quercetin in a lotus leaves extract may be responsible for antibacterial activity.](#)

Archives of pharmacal research , Volume: 31 Issue: 5 2008 May

Authors Li M,Xu Z

[Metabolism of prebiotic products containing beta\(2-1\) fructan mixtures by two Lactobacillus strains.](#)

Anaerobe , Volume: 14 Issue: 3 2008 Jun

Authors Bañuelos O,Fernández L,Corral JM,Valdivieso-Ugarte M,Adrio JL,Velasco J

[The antimicrobial efficacy of plant essential oil combinations and interactions with food ingredients.](#)

International journal of food microbiology , Volume: 124 Issue: 1 2008 May 10

Authors Gutierrez J,Barry-Ryan C,Bourke P

[Baseline microbiota activity and initial bifidobacteria counts influence responses to prebiotic dosing in healthy subjects.](#)

Alimentary pharmacology & therapeutics , Volume: 27 Issue: 6 2008 Mar 15

Authors de Preter V,Vanhoutte T,Huys G,Swings J,Rutgeerts P,Verbeke K

[Inhibitory effect of cranberry polyphenol on biofilm formation and cysteine proteases of Porphyromonas gingivalis.](#)

Journal of periodontal research , Volume: 42 Issue: 6 2007 Dec

Authors Yamanaka A,Kouchi T,Kasai K,Kato T,Ishihara K,Okuda K

[Brazilian green propolis on Helicobacter pylori infection. a pilot clinical study.](#)

Helicobacter , Volume: 12 Issue: 5 2007 Oct

Authors Coelho LG,Bastos EM,Resende CC,Paula e Silva CM,Sanches BS,de Castro FJ,Moretzsohn LD,Vieira WL,Trindade OR

[Evaluation of fermentable oligosaccharides in diets fed to dogs in comparison to fiber standards.](#)

Journal of animal science , Volume: 85 Issue: 11 2007 Nov

Authors Middelbos IS,Fasting ND,Fahey GC Jr

[Antimicrobial activity against gram negative bacilli from Yaounde Central Hospital, Cameroon.](#)

African health sciences , Volume: 6 Issue: 4 2006 Dec

Authors Gangoue-Pieboji J,Koulla-Shiro S,Ngassam P,Adiogo D,Ndumbe P

Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.

Journal of agricultural and food chemistry , Volume: 55 Issue: 11 2007 May 30

Authors López P,Sanchez C,Batlle R,Nerín C

Jerusalem artichoke and chicory inulin in bakery products affect faecal microbiota of healthy volunteers.

The British journal of nutrition , Volume: 98 Issue: 3 2007 Sep

Authors Kleessen B,Schwarz S,Boehm A,Fuhrmann H,Richter A,Henle T,Krueger M

Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.

Asia Pacific journal of clinical nutrition , Volume: 16 Issue: 1 2007

Authors Kim SH,Lee DH,Meyer D

Molecular monitoring of the fecal microbiota of healthy human subjects during administration of lactulose and *Saccharomyces boulardii*.

Applied and environmental microbiology , Volume: 72 Issue: 9 2006 Sep

Authors Vanhoutte T,De Preter V,De Brandt E,Verbeke K,Swings J,Huys G

In vitro activity of Bulgarian propolis against 94 clinical isolates of anaerobic bacteria.

Anaerobe , Volume: 12 Issue: 4 2006 Aug

Authors Boyanova L,Kolarov R,Gergova G,Mitov I

Susceptibility of *Prevotella intermedia*/*Prevotella nigrescens* (and *Porphyromonas gingivalis*) to propolis (bee glue) and other antimicrobial agents.

Anaerobe , Volume: 8 Issue: 1 2002 Feb

Authors Santos FA,Bastos EM,Rodrigues PH,de Uzeda M,de Carvalho MA,Farias Lde M,Moreira ES

Antimicrobial and antiplasmid activities of essential oils.

Fitoterapia , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z,Molnar J,Hohmann J

Rheumatoid arthritis is an autoimmune disease triggered by *Proteus* urinary tract infection.

Clinical & developmental immunology , Volume: 13 Issue: 1 2006 Mar

Authors Ebringer A,Rashid T

Preparation and antimicrobial activity of gelatin microparticles containing propolis against oral pathogens.

Drug development and industrial pharmacy , Volume: 32 Issue: 2 2006 Feb

Authors Bruschi ML,Lara EH,Martins CH,Vinholis AH,Casemiro LA,Panzeri H,Gremião MP

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

In vitro susceptibility of *Helicobacter pylori* to botanical extracts used traditionally for the treatment of gastrointestinal disorders.

Phytotherapy research : PTR , Volume: 19 Issue: 11 2005 Nov

Authors Mahady GB,Pendland SL,Stoia A,Hamill FA,Fabricant D,Dietz BM,Chadwick LR

Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.

Acta paediatrica (Oslo, Norway : 1992). Supplement , Volume: 94 Issue: 449 2005 Oct

Authors Knol J,Boehm G,Lidestri M,Negretti F,Jelinek J,Agosti M,Stahl B,Marini A,Mosca F

Antibacterial effect of plant extracts against *Helicobacter pylori*.

Phytotherapy research : PTR , Volume: 19 Issue: 3 2005 Mar

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

Chemical compositions and antimicrobial activities of four different Anatolian propolis samples.

Microbiological research , Volume: 160 Issue: 2 2005

Authors Uzel A,Sorkun K,Onçag O,Cogulu D,Gençay O,Salih B

Chemical composition and antibacterial activity of propolis collected by three different races of honeybees in the same region.

Journal of ethnopharmacology , Volume: 99 Issue: 1 2005 May 13

Authors Silici S,Kutluca S

Activity of Bulgarian propolis against 94 *Helicobacter pylori* strains in vitro by agar-well diffusion, agar dilution and disc diffusion methods.

Journal of medical microbiology , Volume: 54 Issue: Pt 5 2005 May

Authors Boyanova L,Gergova G,Nikolov R,Derejian S,Lazarova E,Katsarov N,Mitov I,Krastev Z

In vitro anti-*Helicobacter pylori* action of 30 Chinese herbal medicines used to treat ulcer diseases.

Journal of ethnopharmacology , Volume: 98 Issue: 3 2005 Apr 26

Authors Li Y,Xu C,Zhang Q,Liu JY,Tan RX

Propolis extract as an adjuvant to periodontal treatment.

Oral health & preventive dentistry , Volume: 1 Issue: 1 2003

Authors Gebara EC,Pustiglioni AN,de Lima LA,Mayer MP

Contribution of acetate to butyrate formation by human faecal bacteria.

The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun

Authors Duncan SH,Holtrop G,Lobley GE,Calder AG,Stewart CS,Flint HJ

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.

Lactulose ingestion increases faecal bifidobacterial counts: a randomised double-blind study in healthy humans.

European journal of clinical nutrition , Volume: 58 Issue: 3 2004 Mar

Authors Bouhnik Y,Attar A,Joly FA,Riottot M,Dyard F,Flourié B

In vitro antimicrobial activity of propolis and synergism between propolis and antimicrobial drugs.

Microbiological research , Volume: 158 Issue: 4 2003

Authors Stepanovic S,Antic N,Dakic I,Svabic-Vlahovic M

Influence of ginger rhizome (Zingiber officinale Rosc) on survival, glutathione and lipid peroxidation in mice after whole-body exposure to gamma radiation.

Radiation research , Volume: 160 Issue: 5 2003 Nov

Authors Jagetia GC,Baliga MS,Venkatesh P,Ulloor JN

The effect of Lactobacillus rhamnosus on enterohemorrhagic Escherichia coli infection of human intestinal cells in vitro.

Microbiology and immunology , Volume: 47 Issue: 6 2003

Authors Hirano J,Yoshida T,Sugiyama T,Koide N,Mori I,Yokochi T

Resveratrol and red wine extracts inhibit the growth of CagA+ strains of Helicobacter pylori in vitro.

The American journal of gastroenterology , Volume: 98 Issue: 6 2003 Jun

Authors Mahady GB,Pendland SL,Chadwick LR

Aspirin inhibits Chlamydia pneumoniae-induced NF-kappa B activation, cyclo-oxygenase-2 expression and prostaglandin E2 synthesis and attenuates chlamydial growth.

Journal of medical microbiology , Volume: 52 Issue: Pt 5 2003 May

Authors Yoneda H,Miura K,Matsushima H,Sugi K,Murakami T,Ouchi K,Yamashita K,Itoh H,Nakazawa T,Suzuki M,Shirai M

Trends in antimicrobial susceptibilities among Enterobacteriaceae isolated from hospitalized patients in the United States from 1998 to 2001.

Antimicrobial agents and chemotherapy , Volume: 47 Issue: 5 2003 May

Authors Karlowsky JA,Jones ME,Thornsberry C,Friedland IR,Sahm DF

Brazilian propolis: physicochemical properties, plant origin and antibacterial activity on periodontopathogens.

Phytotherapy research : PTR , Volume: 17 Issue: 3 2003 Mar

Authors Santos FA,Bastos EM,Maia AB,Uzeda M,Carvalho MA,Farias LM,Moreira ES

Turmeric (Curcuma longa) and curcumin inhibit the growth of Helicobacter pylori, a group 1 carcinogen.

Anticancer research , Volume: 22 Issue: 6C 2002 Nov-Dec

Authors Mahady GB,Pendland SL,Yun G,Lu ZZ

Antimicrobial activity of berberine—a constituent of Mahonia aquifolium.

Folia microbiologica , Volume: 47 Issue: 4 2002

Authors Cernáková M,Kostálová D

Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.

Applied and environmental microbiology , Volume: 68 Issue: 10 2002 Oct

Authors Apajalahti JH,Kettunen H,Kettunen A,Holben WE,Nurminen PH,Rautonen N,Mutanen M

Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.

The British journal of nutrition , Volume: 88 Suppl 1 2002 Sep

Authors Bomba A,Nemcová R,Gancarcíková S,Herich R,Guba P,Mudronová D

Aspirin inhibits Chlamydia pneumoniae-induced nuclear factor-kappa B activation, cytokine expression, and bacterial development in human endothelial cells.

Arteriosclerosis, thrombosis, and vascular biology , Volume: 22 Issue: 7 2002 Jul 1

Authors Tiran A,Gruber HJ,Graier WF,Wagner AH,Van Leeuwen EB,Tiran B

Macrolides for chronic asthma.

The Cochrane database of systematic reviews , Issue: 1 2002

Authors Richeldi L,Ferrara G,Fabbri LM,Gibson PG

High frequency of antibiotic resistance among Gram-negative isolates in intensive care units at 10 Swedish hospitals.

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 3 Issue: 2 1997 Apr

Authors Hanberger H,Nilsson LE,Swedish Study Group .

Screening of the antibacterial effects of a variety of essential oils on respiratory tract pathogens, using a modified dilution assay method.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 7 Issue: 4 2001 Dec

Authors Inouye S,Yamaguchi H,Takizawa T

Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.

The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug

Authors Kleessen B,Hartmann L,Blaut M

Enrichment of bifidobacteria in the hen caeca by dietary inulin.

Folia microbiologica , Volume: 46 Issue: 1 2001

Authors Rada V,Dusková D,Marounek M,Petr J

Egyptian propolis: 1-antimicrobial activity and chemical composition of Upper Egypt propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 56 Issue: 1-2 2001 Jan-Feb

Authors Hegazi AG,El Hady FK

Azithromycin: a new 15-membered macrolide.

The Japanese journal of antibiotics , Volume: 54 Suppl A 2001 Feb

Authors Treadway G

Phenolic compounds from Brazilian propolis with pharmacological activities.

Journal of ethnopharmacology , Volume: 74 Issue: 2 2001 Feb

Authors Marcucci MC,Ferreres F,García-Viguera C,Bankova VS,De Castro SL,Dantas AP,Valente PH,Paulino N

Effect of azithromycin on murine arteriosclerosis exacerbated by Chlamydia pneumoniae.

The Journal of infectious diseases , Volume: 183 Issue: 2 2001 Jan 15

Authors Rothstein NM,Quinn TC,Madico G,Gaydos CA,Lowenstein CJ

A high molecular mass constituent of cranberry juice inhibits helicobacter pylori adhesion to human gastric mucus.

FEMS immunology and medical microbiology , Volume: 29 Issue: 4 2000 Dec

Authors Burger O,Ofek I,Tabak M,Weiss EI,Sharon N,Neeman I

Study on propolis quality from China and Uruguay.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 9-10 2000 Sep-Oct

Authors Serra Bonvehí J,Ventura Coll F

Evaluation of the in vitro activity of 9 antimicrobials against bacterial strains isolated from patients in intensive care units in brazil: MYSTIC Antimicrobial Surveillance Program.

The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 4 Issue: 5 2000 Oct

Authors Mendes C,Hsiung A,Kiffer C,Oplustil C,Sinto S,Mimica I,Zoccoli C,Mystic Study Group.

[Sensitivity to antibiotics of bacteria from nosocomial infections. Evolution in resuscitation services of military hospitals].

Presse medicale (Paris, France : 1983) , Volume: 29 Issue: 27 2000 Sep 23

Authors Garrabé E,Cavallo JD,Brisou P,Chapalain JC,Coué JC,Courrier P,Granic G,Hervé V,Koeck JL,Morillon M,Claude JD,Rouby Y,Teyssou R

Seasonal effect on Brazilian propolis antibacterial activity.

Journal of ethnopharmacology , Volume: 73 Issue: 1-2 2000 Nov

Authors Sforcin JM,Fernandes A Jr,Lopes CA,Bankova V,Funari SR

Screening of some Palestinian medicinal plants for antibacterial activity.

Journal of ethnopharmacology , Volume: 70 Issue: 3 2000 Jun

Authors Essawi T,Srouf M

Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.

Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May

Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG

Berberine.

Alternative medicine review : a journal of clinical therapeutic , Volume: 5 Issue: 2 2000 Apr

Authors

Chemical composition and antimicrobial activity of European propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 1-2 2000 Jan-Feb

Authors Hegazi AG, Abd El Hady FK, Abd Allah FA

Can an antibiotic (macrolide) prevent Chlamydia pneumoniae-induced atherosclerosis in a rabbit model?

Clinical and diagnostic laboratory immunology , Volume: 6 Issue: 6 1999 Nov

Authors Fong IW, Chiu B, Viira E, Jang D, Fong MW, Peeling R, Mahony JB

In vitro activities of azithromycin and ofloxacin against Chlamydia pneumoniae in a continuous-infection model.

Antimicrobial agents and chemotherapy , Volume: 43 Issue: 9 1999 Sep

Authors Kutlin A, Roblin PM, Hammerschlag MR

Antimicrobial activity of essential oils and other plant extracts.

Journal of applied microbiology , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA, Carson CF, Riley TV

Antibiotic susceptibility of potentially probiotic Lactobacillus species.

Journal of food protection , Volume: 61 Issue: 12 1998 Dec

Authors Charteris WP, Kelly PM, Morelli L, Collins JK

Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.

Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct

Authors Sghir A, Chow JM, Mackie RI

[Susceptibilities of bacteria isolated from patients with lower respiratory infectious diseases to antibiotics (1996)].

The Japanese journal of antibiotics , Volume: 51 Issue: 7 1998 Jul

Authors Ikemoto H, Watanabe K, Mori T, Igari J, Oguri T, Shimizu Y, Terai T, Inoue H, Nakadate T, Ito C, Yoshida T, Ohno I, Tanno

Y, Arakawa M, Igarashi K, Okada M, Ozaki K, Aoki N, Kitamura N, Sekine O, Suzuki Y, Nakata K, Nakatani T, Inagawa H, Kusano N

Antibiotic susceptibility of potentially probiotic Bifidobacterium isolates from the human gastrointestinal tract.

Letters in applied microbiology , Volume: 26 Issue: 5 1998 May

Authors Charteris WP, Kelly PM, Morelli L, Collins JK

Health benefits of non-digestible oligosaccharides.

Advances in experimental medicine and biology , Volume: 427 1997

Authors Roberfroid MB

Effects of lactulose and lactitol on colonic microflora and enzymatic activity.

Scandinavian journal of gastroenterology. Supplement , Volume: 222 1997

Authors Ballongue J, Schumann C, Quignon P

Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.

The American journal of clinical nutrition , Volume: 65 Issue: 5 1997 May

Authors Kleessen B, Sykura B, Zunft HJ, Blaut M

Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture.

FEMS microbiology letters , Volume: 118 Issue: 1-2 1994 May 1

Authors Gibson GR, Wang X

In vitro antimicrobial activity of fluoroquinolones against clinical isolates obtained in 1989 and 1990.

Journal of the Formosan Medical Association = Taiwan yi zhi , Volume: 92 Issue: 12 1993 Dec

Authors Chen YC, Chang SC, Hsu LY, Hsieh WC, Luh KT

Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin.

Gastroenterology , Volume: 108 Issue: 4 1995 Apr

Authors Gibson GR, Beatty ER, Wang X, Cummings JH

The fermentation of lactulose by colonic bacteria.

Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS, Bramley PM, Menzies IS

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

Immunomodulatory action of propolis: IV. Prophylactic activity against gram-negative infections and adjuvant effect of the water-soluble derivative.

Vaccine , Volume: 10 Issue: 12 1992

Authors Dimov V, Ivanovska N, Bankova V, Popov S

Combined action of semisynthetic penicillin and macrolide antibiotic on Pseudomonas aeruginosa in vitro and in vivo.

The Japanese journal of experimental medicine , Volume: 49 Issue: 5 1979 Oct

Authors Kawaharajo K,Kasai T,Homma JY

[Antibacterial activity of sisomicin in comparison with gentamicin].

Arzneimittel-Forschung , Volume: 26 Issue: 5 1976

Authors Scheer M

Infectious Disease and Antibmicrobial Agents

antimicrobe: Infectious Disease and Antibmicrobial Agents , Volume:

Authors E-Sun Technologies

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1

Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

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

cdk15 deficiency disorder

Celiac Disease

Cerebral Palsy

Chronic Fatigue Syndrome

Chronic Kidney Disease

Chronic Lyme

Chronic Obstructive Pulmonary Disease (COPD)

Chronic Urticaria (Hives)

Coagulation / Micro clot triggering bacteria

Cognitive Function

Colorectal Cancer

Constipation

Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
liver fibrosis
Long COVID
Low bone mineral density
Lung Cancer
Lymphoma
Mast Cell Issues/ mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy

Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing
Vitiligo