

Microbiome Information for: hypercholesterolemia (High Cholesterol)

For non-prescribing Medical professionals Review

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

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

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

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

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

In the USA

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

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of hypercholesterolemia (High Cholesterol)

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
Bacillaceae	family	High	186817	Odoribacter	genus	High	283168
Coriobacteriaceae	family	High	84107	Prevotella	genus	High	838
Erysipelotrichaceae	family	Low	128827	Rothia	genus	High	32207
Allobaculum	genus	High	174708	Rothia	genus	High	508215
Anaeroplasma	genus	Low	2086	Selenomonas	genus	Low	970
Anaerovibrio	genus	High	82373	Serratia	genus	High	613
Clostridium	genus	High	1485	Victivallis	genus	Low	172900
Enterococcus	genus	Low	1350	Chromatiales	order	High	135613
Faecalibacterium	genus	Low	216851	Eubacteriales	order	High	186802
Haemophilus	genus	Low	724	Akkermansia muciniphila	species	Low	239935
Leptotrichia	genus	High	32067	Chlamydia pneumoniae	species	High	83558
Megamonas	genus	High	158846	Enterococcus faecium	species	Low	1352
Methanosphaera	genus	High	2316	Escherichia coli	species	High	562
Mitsuokella	genus	Low	52225	Lactiplantibacillus plantarum	species	Low	1590
				Limosilactobacillus reuteri	species	Low	1598

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.

2H-1?6,2-benzothiazol-1,1,3-trione {Saccharin}	450 mg/day	Nicotine, Nicotine Patch
Arachis hypogaea {Peanut}		Tobacco consumption {Smoking}
Ferrum {Iron Supplements}	400 mg/day	Under cookded animal protein {Rare meat}
Linum usitatissimum {Flaxseed}	30 mg/day	vegetarians

Substance to Consider Reducing or Eliminating

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

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

(2->1)-beta-D-fructofuranan {Inulin}	laminaria digitata {Oarweed}
allium sativum {garlic}	Lavandula angustifolia {lavender}
bacillus subtilis {B.Subtilis }	Limosilactobacillus fermentum {L. fermentum}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Limosilactobacillus reuteri {L. Reuteri}
bifidobacterium bifidum {B. bifidum}	Metha family {Mint}
Bovine Milk Products {Dairy}	Ocimum gratissimum {Clove basil}
Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}	oligosaccharides {oligosaccharides}
Coffee	organum vulgare {oregano}
D-(-)-Fructose {Fruit sugar}	polyphenols
Diferuloylmethane {Curcumin}	Probiotic Mixture 2 {Vetafarm Probiotic}
enterococcus faecium {E. faecium}	Punica granatum {pomegranate}
Epicatechin {Green tea polyphenol}	red wine polyphenols
eugenol {Eugenic acid}	resistant starch
fructo-oligosaccharides	resveratrol-pterostilbene {grapes, blueberries}
fruit	resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}
Grape Polyphenols {Grape Flavonoids}	rosmarinus officinalis {rosemary}
green tea	Saccharomyces cerevisiae var boulardii {S. boulardii}
Honey {Honey }	Silver nanoparticles {Colloidal silver}
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	soy
Lactocaseibacillus casei {L. casei}	tea
lactobacillus acidophilus {L. acidophilus}	Thymus vulgaris {thyme}
Lactobacillus gasseri {L.gasseri}	yogurt
Lactobacillus plantarum {L. plantarum}	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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

Alterations of ileal mucosa-associated microbiota in hypercholesterolemia patients.

Heliyon , Volume: 9 Issue: 12 2023 Dec

Authors Li J, Ma J, Wang W, Du H, Tang S, Li Y, Zhu W, Zhang R, Wan J

Characterization of microbial communities from gut microbiota of hypercholesterolemic and control subjects.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Morales C, Rojas G, Rebollo C, Rojas-Herrera M, Arias-Carrasco R, Cuadros-Orellana S, Maracaja-Coutinho V, Saavedra K, Leal P, Lanas F, Salazar LA, Saavedra N

Gut microbiome alterations in preclinical Alzheimer`s disease.

PloS one , Volume: 17 Issue: 11 2022

Authors Jung JH, Kim G, Byun MS, Lee JH, Yi D, Park H, Lee DY, KBASE Research Group

Akkermansia muciniphila is Negatively Correlated with Hemoglobin A1c in Refractory Diabetes.

Microorganisms , Volume: 8 Issue: 9 2020 Sep 5

Authors Shih CT, Yeh YT, Lin CC, Yang LY, Chiang CP

Probiotic strains improve high-fat diet-induced hypercholesterolemia through modulating gut microbiota in ways different from atorvastatin.

Food & function , Volume: 10 Issue: 9 2019 Sep 18

Authors Sudun, Liu S, Xiao C, Peng C, Liang L, He X, Zhao S, Zhang G

Faecal bacterial and short-chain fatty acids signature in hypercholesterolemia.

Scientific reports , Volume: 9 Issue: 1 2019 Feb 11

Authors Granado-Serrano AB, Martín-Gari M, Sánchez V, Riart Solans M, Berdún R, Ludwig IA, Rubió L, Vilapriñó E, Portero-Otín M, Serrano JCE

Ability of lactic acid bacteria isolated from mink to remove cholesterol: in vitro and in vivo studies.

Canadian journal of microbiology , Volume: 59 Issue: 8 2013 Aug

Authors Liu H, Yang C, Jing Y, Li Z, Zhong W, Li G

[Relationship between Chlamydia pneumoniae and classical risk factors of coronary heart disease].

Kardiologia , Volume: 43 Issue: 10 2003

Authors Khasaev AS, Gadzhieva ZG

Joint effects of Chlamydia pneumoniae infection and classic coronary risk factors on risk of acute myocardial infarction.

American heart journal , Volume: 146 Issue: 2 2003 Aug

Authors Kinjo K, Sato H, Sato H, Ohnishi Y, Hishida E, Nakatani D, Mizuno H, Ohgita N, Kubo M, Shimazu T, Akehi N, Takeda H, Hori M, Osaka Acute Coronary Insufficiency Study Group

Evidence for hypocholesterolemic effect of Lactobacillus reuteri in hypercholesterolemic mice.

Journal of dairy science , Volume: 81 Issue: 9 1998 Sep

Authors Taranto MP, Medici M, Perdigon G, Ruiz Holgado AP, Valdez GF

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

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

3 Biotech , Volume: 15 Issue: 5 2025 May

Authors Thakur A, Sharma K

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

Selenium-enriched green tea extracts: chemical constituents and effects on antioxidant and anti-inflammatory factors and four major intestinal flora in mice with intestinal disorders.

Journal of the science of food and agriculture , 2025 Apr 15

Authors Yang H, Tao H, Xu C, Song J, Teng C, Pan C, Wei S

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

Bioresource technology , 2025 Apr 12

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

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

The Development and Comparative Evaluation of Rosemary Hydroalcoholic Macerate-Based Dermatocosmetic Preparations: A Study on Antioxidant, Antimicrobial, and Anti-Inflammatory Properties.

Gels (Basel, Switzerland) , Volume: 11 Issue: 3 2025 Feb 20

Authors Sahlabgi A,Lupuliasa D,Stanciu G,Lup?or S,Vlaia LL,Rotariu R,Predescu NC,Radulescu C,Olteanu RL,Stanescu SG,Hîncu L,Mititelu M

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

Food & function , 2025 Mar 20

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

Dietary supplementation with Ocimum gratissimum essential oil improves the intestinal bacterial populations of Piaractus mesopotamicus.

Brazilian journal of biology = Revista brasleira de biologia , Volume: 85 2025

Authors Moreira AP,Lima JJF,Oliveira FC,Levy-Pereira N,Chagas EC,Fernandes CE,Ferraz ALJ,Campos CM

Diet Supplementation with Pomegranate Fruit Alters Distal Gut Microbiota of Healthy Female College Students.

Microorganisms , Volume: 13 Issue: 2 2025 Jan 30

Authors Badow B,Shaaban ES,Rajakaruna S,Saleh Z,Abdelaziz SA,Hussein L,Paliy O

The Effects of Tea Polyphenols in Feed on the Immunity, Antioxidant Capacity, and Gut Microbiota of Weaned Goat Kids.

Animals : an open access journal from MDPI , Volume: 15 Issue: 4 2025 Feb 7

Authors Xiao Y,Chen L,Xu Y,He X,Gan S,Yin F

Carbon dioxide enhances Akkermansia muciniphila fitness and anti-obesity efficacy in high-fat diet mice.

The ISME journal , 2025 Feb 23

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

Exopolysaccharides from camel milk-derived Limosilactobacillus reuteri C66: Structural characterization, bioactive and rheological properties for food applications.

Food chemistry: X , Volume: 25 2025 Jan

Authors Kober AKMH,Abdin M,Subhash A,Liu SQ,Dertli E,Abu-Jdayil B,Show PL,Ayyash M

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

Nutrients , Volume: 17 Issue: 3 2025 Feb 2

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

Lactobacillus fermentum 016 Alleviates Mice Colitis by Modulating Oxidative Stress, Gut Microbiota, and Microbial Metabolism.

Nutrients , Volume: 17 Issue: 3 2025 Jan 26

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

Synergistic defecation effects of Bifidobacterium animalis subsp. lactis BL-99 and fructooligosaccharide by modulating gut microbiota.

Frontiers in immunology , Volume: 15 2024

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

Comparative Evaluation of Different Mint Species Based on Their In Vitro Antioxidant and Antibacterial Effect.

Plants (Basel, Switzerland) , Volume: 14 Issue: 1 2025 Jan 2

Authors Sfaxi A,Tavaszi-Sárosi S,Flórián K,Patonay K,Radácsi P,Juhász Á

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

Flaxseed Linusorb Alleviates Collagen-Induced Rheumatoid Arthritis in Rats via Inhibiting the TLR4/NF-?b/MAPK Signal Pathway and Modulating Gut Microbiota.

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

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

Limosilactobacillus Fermentun ZS09 Can Improve Antibiotic-Induced Motor Dysfunction in Mice by Regulating the Brain-Gut Functions.

Journal of inflammation research , Volume: 17 2024

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

Comparative Analysis of Eugenol-Loaded Ag-Co and Unloaded Ag-Co Bimetallic Nanoparticles Against Escherichia coli.

Current microbiology , Volume: 82 Issue: 1 2024 Nov 30

Authors Sahay A,Tomar RS,Shrivastava V,Verma SK,Chauhan PS

[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

[Antimicrobial Activity of Origanum vulgare Essential Oil against Staphylococcus aureus and Escherichia coli.](#)

Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 11 2024 Oct 25

Authors Tejada-Muñoz S,Cortez D,Rascón J,Chavez SG,Caetano AC,Díaz-Manchay RJ,Sandoval-Bances J,Huyhua-Gutierrez S,Gonzales L,Chenet SM,Tapia-Limonchi R

[Effect of Silver Nanoparticle Size on Antibacterial Activity.](#)

Toxics , Volume: 12 Issue: 11 2024 Nov 5

Authors Ershov VA,Ershov BG

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

Frontiers in behavioral neuroscience , Volume: 18 2024

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

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

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

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

[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,Ponprachanuvut P,Chammari K,Chatsuwan T,Wannigama DL,Shein AMS,Kueakulpattana N,Srisakul S,Sranacharoenpong K

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

Frontiers in medicine , Volume: 11 2024

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

[Growth assessment of mixed cultures of probiotics and common pathogens.](#)

Anaerobe , 2023 Oct 28

Authors Fredua-Agyeman M,Stapleton P,Gaisford S

[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

[Oregano essential oil and Bacillus subtilis role in enhancing broiler's growth, stress indicators, intestinal integrity, and gene expression under high stocking density.](#)

Scientific reports , Volume: 14 Issue: 1 2024 Oct 25

Authors Elbaz AM,El-Sonousy NK,Arafa AS,Sallam MG,Ateya A,Abdelhady AY

[Antimicrobial activity of essential oil components against Escherichia coli depends on the food components present in a food matrix.](#)

Food microbiology , Volume: 125 2025 Jan

Authors Gómez-Llorente H,Pérez-Esteve É,Barat JM,Jiménez MC,González-Bello C,Fernández-Segovia I

[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

[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

[A comprehensive update on the immunoregulatory mechanisms of Akkermansia muciniphila: insights into active ingredients, metabolites, and nutrient-driven modulation.](#)

Critical reviews in food science and nutrition , 2024 Oct 16

Authors Mei L,Wang J,Hao Y,Zeng X,Yang Y,Wu Z, Ji Y

[Impact of Microencapsulation on Ocimum gratissimum L. Essential Oil: Antimicrobial, Antioxidant Activities, and Chemical Composition.](#)

Foods (Basel, Switzerland) , Volume: 13 Issue: 19 2024 Sep 30

Authors Granados ADPF,Duarte MCT,Noguera NH,Lima DC,Rodrigues RAF

Co-Encapsulation of Coffee and Coffee By-Product Extracts with Probiotic Kluyveromyces lactis.**Foods (Basel, Switzerland) , Volume: 13 Issue: 19 2024 Sep 26**

Authors Tavares DG,Souza MAM,Santos TLD,Silva ADAD,Abreu DJM,Duarte WF

Influence of Peanut Consumption on the Gut Microbiome: A Randomized Clinical Trial.**Nutrients , Volume: 16 Issue: 19 2024 Sep 30**

Authors Nguyen SM,Tran TDC,Tran TM,Wang C,Wu J,Cai Q,Ye F,Shu XO

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

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

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

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

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

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

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

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

Candidate-Probiotic Lactobacilli and Their Postbiotics as Health-Benefit Promoters.**Microorganisms , Volume: 12 Issue: 9 2024 Sep 19**

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

Plants with Antimicrobial Activity against Escherichia coli, a Meta-Analysis for Green Veterinary Pharmacology Applications.**Microorganisms , Volume: 12 Issue: 9 2024 Aug 28**

Authors De Fazio R,Oppedisano F,Caioni G,Tilocca B,Piras C,Britti D

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

Effect of BF839 + earthworm protein supplement on motor and some non-motor symptoms of Parkinson's disease: a randomized clinical trial.**Frontiers in neurology , Volume: 15 2024**

Authors Zeng T,Lin C,Deng Y,Zhu W

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

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

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

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

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

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

Cytotoxicity assessment and antimicrobial effects of cell-free supernatants from probiotic lactic acid bacteria and yeast against multi-drug resistant Escherichia coli.**Letters in applied microbiology , Volume: 77 Issue: 9 2024 Sep 2**

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

Effects of Mint Oils on the Human Oral Microbiome: A Pilot Study.**Microorganisms , Volume: 12 Issue: 8 2024 Jul 27**

Authors Abdelrahman SM,El Samak M,El-Baz LMF,Hanora AMS,Satyral P,Dosoky NS

Lactacaseibacillus casei- and Bifidobacterium breve-fermented red pitaya promotes beneficial microbial proliferation in the colon.

Food & function , Volume: 15 Issue: 18 2024 Sep 16

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

A Novel Combination of Zinc Oxide with Two Essential Oils Exerts Antimicrobial Effect against Endodontic Pathogens In Vitro.

International journal of clinical pediatric dentistry , Volume: 17 Issue: Suppl 1 2024 Apr

Authors Dahake PT,Joshi SS,Kale YJ,Dadpe MV,Kendre SB

Yeast mixture supplementation modulates faecal microbiota and ileum morphology of weaning pigs.

Animal : an international journal of animal bioscience , Volume: 18 Issue: 9 2024 Sep

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

Oral aged garlic (Allium sativum) alleviates ulcerative colitis in mice by improving gut homeostasis.

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

Authors Han D,Guan X,Zhu F,Yang Q,Su D

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

Formulation of Garlic Essential Oil-assisted Silver Nanoparticles and Mechanistic Evaluation of their Antimicrobial Activity against a Spectrum of Pathogenic Microorganisms.

Current topics in medicinal chemistry , Volume: 24 Issue: 22 2024

Authors Sarangi A,Das BS,Panigrahi LL,Arakha M,Bhattacharya D

Probiotic Limosilactobacillus reuteri KUB-AC5 decreases urothelial cell invasion and enhances macrophage killing of uropathogenic Escherichia coli in vitro study.

Frontiers in cellular and infection microbiology , Volume: 14 2024

Authors Tantibhadrasapa A,Li S,Buddhasiri S,Sukjoi C,Mongkolkarvin P,Boonpan P,Wongpalee SP,Paenkaew P,Sutheeworapong S,Nakphaichit M,Nitisinprasert S,Hsieh MH,Thiennimitr P

Effects of dietary supplementation of Enterococcus faecium postbiotics on growth performance and intestinal health of growing male mink.

Frontiers in veterinary science , Volume: 11 2024

Authors Cao L,Sun F,Ren Q,Jiang Z,Chen J,Li Y,Wang L

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

Investigating the physicochemical, antimicrobial and antioxidant properties of chitosan film containing zero-valent iron nanoparticles and oregano essence.

Biopolymers , Volume: 115 Issue: 6 2024 Nov

Authors Khodaparast FK,Pirsa S,Toupchi FM,Mohdarami F

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

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

Authors Popov IV,Koopmans B,Venema K

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

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

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

Honey microbiota, methods for determining the microbiological composition and the antimicrobial effect of honey - A review.

Food chemistry: X , Volume: 23 2024 Oct 30

Authors Luca L,Pauliuc D,Oroian M

Effects of compatibility of Clostridium butyricum and Bacillus subtilis on growth performance, lipid metabolism, antioxidant status and cecal microflora of broilers during the starter phase.

Animal bioscience , Volume: 37 Issue: 11 2024 Nov

Authors Zhao X,Zhuang J,Zhang F,Li H,Yu J,Wang C,Lv T,Li Q,Zhang J

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

Structural characterization and human gut microbiota fermentation in vitro of a polysaccharide from Fucus vesiculosus.

International journal of biological macromolecules , Volume: 275 Issue: Pt 1 2024 Aug

Authors Jia RB,Yang G,Lai H,Zheng Q,Xia W,Zhao M

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

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

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

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

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

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

Impact of dietary Laminaria digitata with alginate lyase or carbohydrase mixture on nutrient digestibility and gut health of weaned piglets.

Animal : an international journal of animal bioscience , Volume: 18 Issue: 6 2024 Jun

Authors Ribeiro DM,Luise D,Costa M,Carvalho DFP,Martins CF,Correa F,Pinho M,Mirzapour-Kouhdasht A,Garcia-Vaquero M,Mourato MP,Trevisi P,de Almeida AM,Freire JPB,Prates JAM

Determination of cinnamaldehyde, thymol and eugenol in essential oils by LC-MS/MS and antibacterial activity of them against bacteria.

Scientific reports , Volume: 14 Issue: 1 2024 May 30

Authors Li Z,Li Y,Cheng W

Profile of stingless bee honey and microbiota produced in West Sumatra, Indonesia, by several species (Apidae, Meliponinae).

Veterinary world , Volume: 17 Issue: 4 2024 Apr

Authors Melia S,Juliyarsi I,Kurnia YF,Aritonang SN,Rusdimansyah R,Sukma A,Setiawan RD,Pratama YE,Supandil D

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

Interaction between Enrofloxacin and Three Essential Oils (Cinnamon Bark, Clove Bud and Lavender Flower)-A Study on Multidrug-Resistant Escherichia coli Strains Isolated from 1-Day-Old Broiler Chickens.

International journal of molecular sciences , Volume: 25 Issue: 10 2024 May 10

Authors Zych S,Adaszynska-Skwirzynska M,Szewczuk MA,Szczerbinska D

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

Maternal or post-weaning dietary fructo-oligosaccharide supplementation reduces stillbirth rate of sows and diarrhea of weaned piglets.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 17 2024 Jun

Authors Ma K,Su B,Li F,Li J,Nie J,Xiong W,Luo J,Huang S,Zhou T,Liang X,Li F,Deng J,Tan C

From whole genomes to probiotic candidates: A study of potential lactobacilli strains selection for vaginitis treatment.

Heliyon , Volume: 10 Issue: 9 2024 May 15

Authors Lyu J,Gao M,Zhao S,Liu X,Zhao X,Zou Y,Zhong Y,Ge L,Zhang H,Huang L,Fan S,Xiao L,Zhang X

Effects of garlic-derived fructan and oligofructose mixtures on intestinal health and constipation relief in mice.

Journal of the science of food and agriculture , Volume: 104 Issue: 12 2024 Sep

Authors Xie C,Gao W,Liang X,Chye FY

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

Food & function , 2024 May 10

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

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

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

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

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

Functional evaluation of Bacillus licheniformis PF9 for its potential in controlling enterotoxigenic Escherichia coli in weaned

piglets.

Translational animal science , Volume: 8 2024

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

Exploring the multifaceted bioactivities of Lavandula pinnata L. essential oil: promising pharmacological activities.

Frontiers in chemistry , Volume: 12 2024

Authors Haddou M,Elbouzidi A,Taibi M,Baraich A,Loukili EH,Bellaouchi R,Saalaoui E,Asehraou A,Salamatullah AM,Bourhia M,Nafidi HA,Addi M,Guerrouj BE,Chaabane K

Prebiotic utilisation provides Lactiplantibacillus plantarum a competitive advantage in vitro, but is not reflected by an increased intestinal fitness.

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

Authors Fuhren J,Schwalbe M,Boekhorst J,Rösch C,Schols HA,Kleerebezem M

Enterococcus faecium supplementation prevents enteritis caused by Escherichia coli in goats.

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

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

Effect of inulin, galacto-oligosaccharides, and polyphenols on the gut microbiota, with a focus on Akkermansia muciniphila.

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

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

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

Nutrients , Volume: 16 Issue: 6 2024 Mar 10

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

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

Nutrients , Volume: 16 Issue: 6 2024 Mar 8

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

Dietary Polyphenols Support Akkermansia muciniphila Growth via Mediation of the Gastrointestinal Redox Environment.

Antioxidants (Basel, Switzerland) , Volume: 13 Issue: 3 2024 Feb 29

Authors Van Buiten CB,Seitz VA,Metcalfe JL,Raskin I

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

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

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

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

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

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

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

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

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

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

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

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

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

Frontiers in nutrition , Volume: 10 2023

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

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

Effect of different forms of tobacco on the oral microbiome in healthy adults: a systematic review.

Frontiers in oral health , Volume: 5 2024

Authors Senaratne NLM,Yung On C,Shetty NY,Gopinath D

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

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

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

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

2'-Fucosyllactose Promotes Colonization of Akkermansia muciniphila and Prevents Colitis In Vitro and in Mice.

Journal of agricultural and food chemistry , Volume: 72 Issue: 9 2024 Mar 6

Authors Liu X,Zhang B,Zhang Y,Li W,Yin J,Shi A,Wang J,Wang S

[A novel perspective on eugenol as a natural anti-quorum sensing molecule against *Serratia* sp.](#)

Microbial pathogenesis , Volume: 189 2024 Apr

Authors Frikha F,Jardak M,Aifa S,Mnif S

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

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

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

[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

[Antimicrobial and Anti-Biofilm Activities of *Coffea arabica* L. Against the Clinical Strains Isolated From Diabetic Foot Ulcers.](#)

Cureus , Volume: 16 Issue: 1 2024 Jan

Authors Zubair M

[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

[Biochemical Profiling and Physicochemical and Biological Valorization of Iraqi Honey: A Comprehensive Analysis.](#)

Molecules (Basel, Switzerland) , Volume: 29 Issue: 3 2024 Jan 31

Authors Hameed OM,Shaker OM,Ben Slima A,Makni M

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

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

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

[Urolithin A production drives the effects of pomegranate on the gut microbial metabolism of bile acids and cholesterol in mild dyslipidaemic overweight and obese individuals.](#)

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

Authors Cortés-Martín A,Iglesias-Aguirre CE,Marín A,Romo-Vaquero M,Vallejo F,Espín JC,Victoria Selma M

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

Veterinary research communications , 2024 Feb 7

Authors Strompřová V,Štempelová L,Wolaschka T

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

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

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

[Mechanism of 2'-fucosyllactose degradation by human-associated *Akkermansia*.](#)

Journal of bacteriology , Volume: 206 Issue: 2 2024 Feb 22

Authors Padilla L,Fricker AD,Luna E,Choudhury B,Hughes ER,Panzetta ME,Valdivia RH,Flores GE

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

Heliyon , Volume: 10 Issue: 1 2024 Jan 15

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

[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

[Dietary *Bacillus* spp. supplementation to both sow and progenies improved post-weaning growth rate, gut function, and reduce the pro-inflammatory cytokine production in weaners challenged with *Escherichia coli* K88.](#)

Animal microbiome , Volume: 6 Issue: 1 2024 Jan 24

Authors Sampath V,Cho S,Jeong J,Mun S,Lee CH,Hermes RG,Taechavasonyoo A,Smeets N,Kirwan S,Han K,Kim IH

[Flaxseed Lignan Alleviates the Paracetamol-Induced Hepatotoxicity Associated with Regulation of Gut Microbiota and Serum Metabolome.](#)

Nutrients , Volume: 16 Issue: 2 2024 Jan 18

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

[Prevalence and Antimicrobial Characteristics of *Escherichia coli* in Selected Vegetables and Herbs in Bangkok, Thailand.](#)

Journal of food protection , Volume: 87 Issue: 3 2024 Mar

Authors Datta S,Ishikawa M,Chudhakorn S,Charaslertrangsi T

[Fructose dose-dependently influences colon barrier function by regulation of some main physical, immune, and biological](#)

factors in rats.**The Journal of nutritional biochemistry** , Volume: 126 2024 Apr

Authors Gan Q,Song G,Fang W,Wang Y,Qi W

Lactic acid fermentation of goji berries (Lycium barbarum) prevents acute alcohol liver injury and modulates gut microbiota and metabolites in mice.**Food & function** , Volume: 15 Issue: 3 2024 Feb 5

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

pH-responsive on-demand release of eugenol from metal-organic frameworks for synergistic bacterial killing.**Dalton transactions (Cambridge, England : 2003)** , Volume: 53 Issue: 6 2024 Feb 6

Authors Wang J,Li L,Hu X,Zhou L,Hu J

Integrated multi-omics profiling highlights the benefits of resveratrol hydroxypropyl- β -cyclodextrin inclusion complex for A53T transgenic mice through the microbiota-gut-brain axis.**Food & function** , Volume: 15 Issue: 3 2024 Feb 5

Authors Sun X,Feng S,Qin B,Ye J,Xie L,Gui J,Sang M

Lactobacillus reuteri derived from horse alleviates Escherichia coli-induced diarrhea by modulating gut microbiota.**Microbial pathogenesis** , Volume: 188 2024 Mar

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

Effects of Metabolites of Lactobacillus casei on Expression and Neutralization of Shiga Toxin by Enterohemorrhagic Escherichia coli.**Probiotics and antimicrobial proteins** , 2024 Jan 15

Authors Aditya A,Tabashsum Z,Martinez ZA,Biswas D

Bioactive compounds of honey from different regions of Brazil: the effect of simulated gastrointestinal digestion on antioxidant and antimicrobial properties.**Food & function** , Volume: 15 Issue: 3 2024 Feb 5

Authors Alcoléa M,Santana Junior MB,Oliveira KAM,Tussolini L,Leite MAG,Honorio-França AC,França EL,Pertuzatti PB

Integrated gut microbiome and metabolome analysis reveals the inhibition effect of Lactobacillus plantarum CBT against colorectal cancer.**Food & function** , Volume: 15 Issue: 2 2024 Jan 22

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

Effect of Human Milk Oligosaccharides on Learning and Memory in Mice with Alzheimer's Disease.**Journal of agricultural and food chemistry** , Volume: 72 Issue: 2 2024 Jan 17

Authors Gao H,Fang B,Sun Z,Du X,Guo H,Zhao L,Zhang M

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

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

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

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

Beneficial effects of GABA-producing potential probiotic Limosilactobacillus fermentum L18 of human origin on intestinal permeability and human gut microbiota.**Microbial cell factories** , Volume: 22 Issue: 1 2023 Dec 12

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

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

Bacillus coagulans prevents the decline in average daily feed intake in young piglets infected with enterotoxigenic Escherichia coli K88 by reducing intestinal injury and regulating the gut microbiota.**Frontiers in cellular and infection microbiology** , Volume: 13 2023

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

Curcumin alleviates traumatic brain injury induced by gas explosion through modulating gut microbiota and suppressing the LPS/TLR4/MyD88/NF- 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

Prebiotic potential of green banana flour: impact on gut microbiota modulation and microbial metabolic activity in a murine model.**Frontiers in nutrition** , Volume: 10 2023

Authors Baek GH,Kim YJ,Lee Y,Jung SC,Seo HW,Kim JS

2'-Fucosyllactose alleviates OVA-induced food allergy in mice by ameliorating intestinal microecology and regulating the imbalance of Th2/Th1 proportion.

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

Authors Kou R,Wang J,Li A,Wang Y,Fan D,Zhang B,Fu W,Liu J,Fu H,Wang S

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

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

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

Solid-State Fermented Pineapple Peel: A Novel Food Ingredient with Antioxidant and Anti-Inflammatory Properties.

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

Authors Ortega-Hernández E,Martinez-Alvarado L,Acosta-Estrada BA,Antunes-Ricardo M

Antimicrobial properties of Limosilactobacillus reuteri strains for control of Escherichia coli and Salmonella strains, diarrhoea cause in weaning pigs.

Veterinarni medicina , Volume: 68 Issue: 5 2023 May

Authors Yoo Y, Lee J, Cho J, Yoon Y

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 IS,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

The Effects of Black Tea Consumption on Intestinal Microflora-A Randomized Single-Blind Parallel-Group, Placebo-Controlled Study.

Journal of nutritional science and vitaminology , Volume: 69 Issue: 5 2023

Authors Tomioka R,Tanaka Y,Suzuki M,Ebihara S

Grape seed proanthocyanidin improves intestinal inflammation in canine through regulating gut microbiota and bile acid compositions.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 37 Issue: 12 2023 Dec

Authors Zhang M,Mo R,Wang H,Liu T,Zhang G,Wu Y

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

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

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

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

Modulation of the Gut Microbiota by the Plantaricin-Producing Lactiplantibacillus plantarum D13, Analysed in the DSS-Induced Colitis Mouse Model.

International journal of molecular sciences , Volume: 24 Issue: 20 2023 Oct 18

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

Effect of grape pomace supplement on growth performance, gastrointestinal microbiota, and methane production in Tan lambs.

Frontiers in microbiology , Volume: 14 2023

Authors Cheng X,Du X,Liang Y,Degen AA,Wu X, Ji K,Gao Q,Xin G,Cong H,Yang G

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

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

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

High-fructose corn syrup aggravates colitis via microbiota dysbiosis-mediated Th17/Treg imbalance.

Clinical science (London, England : 1979) , Volume: 137 Issue: 20 2023 Oct 31

Authors Zhou M,Liu X,He J,Xu X,Ju C,Luo S,Lu X,Du P,Chen Y

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

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

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

Antitumor, Antioxidant, and Antimicrobial Properties and Anticancer Potential of Novel Environmentally Friendly Amide-Modified Gallic Acid Derivatives.

Journal of agricultural and food chemistry , 2023 Oct 6

Authors Wang X,Cong J,Zhang L,Han Z,Jiang X,Yu L

The Impact in Intestines and Microbiota in BALB/c Mice Through Consumption of Milk Fermented by Potentially Probiotic Lactocaseibacillus casei SJRP38 and Limosilactobacillus fermentum SJRP43.

Probiotics and antimicrobial proteins , 2023 Oct 5

Authors de Souza BMS,Guerra LHA,Varallo GR,Taboga SR,Penna ALB

Antibiofilm, Antimicrobial, Anti-Quorum Sensing, and Antioxidant Activities of Saudi Sidr Honey: In Vitro and Molecular Docking Studies.

Pharmaceutics , Volume: 15 Issue: 9 2023 Aug 22

Authors Bazaid AS,Alsolami A,Patel M,Khateb AM,Aldarhami A,Snoussi M,Almusheet SM,Qanash H

In Vitro Prebiotic Effects and Antibacterial Activity of Five Leguminous Honeys.

Foods (Basel, Switzerland) , Volume: 12 Issue: 18 2023 Sep 6

Authors Fratianni F,De Giulio B,d'Acierno A,Amato G,De Feo V,Coppola R,Nazzaro F

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

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

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

Isolation and characterization of potential Lactobacillus acidophilus strains isolated from pig feces.

Animal science journal = Nihon chikusan Gakkaiho , Volume: 94 Issue: 1 2023 Jan-Dec

Authors Liu Z,Zhang W,Huang T,Xiao M,Peng Z,Peng F,Guan Q,Xie MY,Xiong T

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

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

Frontiers in nutrition , Volume: 10 2023

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

Effect of Ginger Root Powder on Gastrointestinal Bacteria Composition, Gastrointestinal Symptoms, Mental Health, Fatigue, and Quality of Life: A Double-Blind Placebo-Controlled Trial.

The Journal of nutrition , Volume: 153 Issue: 11 2023 Nov

Authors Crichton M,Marshall S,Marx W,Isenring E,Vázquez-Campos X,Dawson SL,Lohning A

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

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

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

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

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

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

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

Food & function , 2023 Sep 1

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

Effect of hydrophobic property on antibacterial activities of green tea polysaccharide conjugates against Escherichia coli.

International journal of biological macromolecules , Volume: 253 Issue: Pt 1 2023 Dec 31

Authors Zhou Y,Liu W,Cao W,Cheng Y,Liu Z,Chen X

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G, Zhang L

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

Nutrients , Volume: 15 Issue: 16 2023 Aug 11

Authors Livingston DBH,Sweet A,Rodrigue A,Kishore L,Loftus J,Ghali F,Mahmoodianfard S,Celton C,Hosseinian F,Power KA
Effect of Bacillus subtilis and Oregano Oil on Performance, Gut Microbiome, and Intestinal Morphology in Pullets.

Animals : an open access journal from MDPI , Volume: 13 Issue: 16 2023 Aug 8

Authors Kim HJ,Kim HS,Yun YS,Kang HK

Antibacterial efficacy of epigallocatechin-3-gallate cross-linked small intestinal submucosa guided bone regeneration membrane.

Dental materials journal , Volume: 42 Issue: 5 2023 Sep 29

Authors Gou M,Zou C,Jiang Y,Xie H,Wang H,Song H

RND pump inhibition: in-silico and in-vitro study by Eugenol on clinical strain of E. coli and P. aeruginosa.

In silico pharmacology , Volume: 11 Issue: 1 2023

Authors Ashtiani EE,Gholizadeh Siahmazgi Z,Mirpour M,Soltani BM

Probiotic yeast Saccharomyces cerevisiae Az-12 isolated from pomegranate juice presented inhibitory effects against pathogenic bacteria.

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

Authors Latif AS,Saparbekova AA,Akhmedova ZR,Kaldybekova G,Daugaliyeva ST

The Effects of Bacillus subtilis QST713 and β -mannanase on growth performance, intestinal barrier function, and the gut microbiota in weaned piglets.

Journal of animal science , Volume: 101 2023 Jan 3

Authors Liu J,Ma X,Zhuo Y,Xu S,Hua L,Li J,Feng B,Fang Z,Jiang X,Che L,Zhu Z,Lin Y,Wu D

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

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

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

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

Probiotic Bacillus subtilis contributes to the modulation of gut microbiota and blood metabolic profile of hosts.

Comparative biochemistry and physiology. Toxicology & pharmacology : CBP , Volume: 272 2023 Oct

Authors Li G,Tong Y,Xiao Y,Huang S,Zhao T,Xia X

Protective Effects of Bacillus subtilis HH2 against Oral Enterotoxigenic Escherichia coli in Beagles.

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

Authors Yang J,Zhang X,Zhou Z,Li C,Luo R,Liu H,Fu H,Zhong Z,Shen L,Cao S,Luo Y,Li D,Peng G

The impact of antimicrobial food additives and sweeteners on the growth and metabolite production of gut bacteria.

Folia microbiologica , Volume: 68 Issue: 5 2023 Oct

Authors de Souza Lopes A,Elisabete Costa Antunes A,Idelça Aires Machado K,Sartoratto A,Cristina Teixeira Duarte M

Physicochemical, Rheological, and Sensory Characteristics of Yogurt Fermented by Lactic Acid Bacteria with Probiotic Potential and Bioprotective Properties.

Foods (Basel, Switzerland) , Volume: 12 Issue: 13 2023 Jun 29

Authors Hoxha R,Evstatieva Y,Nikolova D

Limosilactobacillus fermentum CECT5716: Clinical Potential of a Probiotic Strain Isolated from Human Milk.

Nutrients , Volume: 15 Issue: 9 2023 May 6

Authors Ozen M,Piloquet H,Schaubeck M

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

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

Authors Mueed A,Shibli S,Korma SA,Madjirebaye P,Esatbeyoglu T,Deng Z

Bacillus coagulans MZY531 alleviates intestinal mucosal injury in immunosuppressive mice via modulating intestinal barrier, inflammatory response, and gut microbiota.

Scientific reports , Volume: 13 Issue: 1 2023 Jul 10

Authors Zhao Z,Sun M,Cui X,Chen J,Liu C,Zhang X

Antibacterial Activities of Mint (Mentha piperita) Leaf Extracts (Aqueous) Against Two Food Borne infection causing pathogens: Staphylococcus aureus and Escherichia coli.

Mymensingh medical journal : MMJ , Volume: 32 Issue: 3 2023 Jul

Authors Afrin A,Ahmed AU,Zannat KE,Tanzim SM,Saha BC,Joyal JB,Aktar M,Nira NH,Sabrin F,Nahar S,Jahan S,Shimu RN,Hossain MA

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

Harnessing the probiotic properties and immunomodulatory effects of fermented food-derived *Limosilactobacillus fermentum* strains: implications for environmental enteropathy.

Frontiers in nutrition , Volume: 10 2023

Authors Prakash V, Madhavan A, Veedu AP, Babu P, Jothish A, Nair SS, Suhail A, Prabhakar M, Sain T, Rajan R, Somanathan P, Abhinand K, Nair BG, Pal S

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

Medicine , Volume: 102 Issue: 20 2023 May 19

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

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

Critical reviews in food science and nutrition , 2023 Jun 19

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

Biosynthesis of phyto-functionalized silver nanoparticles using olive fruit extract and evaluation of their antibacterial and antioxidant properties.

Frontiers in chemistry , Volume: 11 2023

Authors Ullah S, Khalid R, Rehman MF, Irfan MI, Abbas A, Alhoshani A, Anwar F, Amin HMA

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

Carbohydrate polymers , Volume: 316 2023 Sep 15

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

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

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

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

Engineered *Bacillus subtilis* alleviates intestinal oxidative injury through Nrf2-Keap1 pathway in enterotoxigenic *Escherichia coli* (ETEC) K88-infected piglet.

Journal of Zhejiang University. Science. B , Volume: 24 Issue: 6 2023 Jun 15

Authors Wen C, Zhang H, Guo Q, Duan Y, Chen S, Han M, Li F, Jin M, Wang Y

Bacillus coagulans (*Weizmannia coagulans*) XY2 attenuates Cu-induced oxidative stress via DAF-16/FoxO and SKN-1/Nrf2 pathways and gut microbiota regulation.

Journal of hazardous materials , Volume: 457 2023 Sep 5

Authors Gao Y, Yu T, Wu Y, Huang X, Teng J, Zhao N, Zheng X, Yan F

Dietary *Lactobacillus reuteri* SL001 Improves Growth Performance, Health-Related Parameters, Intestinal Morphology and Microbiota of Broiler Chickens.

Animals : an open access journal from MDPI , Volume: 13 Issue: 10 2023 May 19

Authors Chai C, Guo Y, Mohamed T, Bumbie GZ, Wang Y, Zeng X, Zhao J, Du H, Tang Z, Xu Y, Sun W

Comparison of the Effects of Enzymolysis Seaweed Powder and *Saccharomyces boulardii* on Intestinal Health and Microbiota Composition in Kittens.

Metabolites , Volume: 13 Issue: 5 2023 May 8

Authors Zhang M, Mo R, Li M, Qu Y, Wang H, Liu T, Liu P, Wu Y

The Effect of Increasing Concentrations of Omega-3 Fatty Acids from either Flaxseed Oil or Preformed Docosahexaenoic Acid on Fatty Acid Composition, Plasma Oxylipin, and Immune Response of Laying Hens.

The Journal of nutrition , Volume: 153 Issue: 7 2023 Jul

Authors Li S, Jing M, Mohamed N, Rey-Dubois C, Zhao S, Aukema HM, House JD

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

Microencapsulation of *Lactobacillus plantarum* MBO01 and its probiotic effect on growth performance, cecal microbiome and gut integrity of broiler chickens in a tropical climate.

Animal bioscience , Volume: 36 Issue: 8 2023 Aug

Authors Vimom S, Angkanaporn K, Nuengjamnong C

Effect of the combination of *Lactobacillus acidophilus* (probiotic) with vitamin K3 and vitamin E on *Escherichia coli* and *Staphylococcus aureus*: An in vitro pathogen model.

Molecular medicine reports , Volume: 27 Issue: 6 2023 Jun

Authors Celebi O,Taghizadehghalehjoughi A,Celebi D,Mesnager R,Golokhvast KS,Arsene AL,Spandidos DA,Tsatsakis A

Prevention of High-Fat-Diet-Induced Dyslipidemia by Lactobacillus plantarum LP104 through Mediating Bile Acid Enterohepatic Axis Circulation and Intestinal Flora.

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

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

Sea cucumber sulfated polysaccharides and Lactobacillus gasseri synergistically ameliorate the overweight induced by altered gut microbiota in mice.

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

Authors Liu Z,Ai C,Lin X,Guo X,Song S,Zhu B

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

Frontiers in immunology , Volume: 14 2023

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

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

Experimental gerontology , Volume: 176 2023 Jun 1

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

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

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

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

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

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

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

Antimicrobial and immunoregulatory effects of Lactobacillus delbrueckii 45E against genitourinary pathogens.

Journal of biomedical science , Volume: 30 Issue: 1 2023 Mar 23

Authors Bnfaa AA,Lee KW,Than LTL,Amin-Nordin S

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

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

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

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

Frontiers in microbiology , Volume: 14 2023

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

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

Metabolites , Volume: 13 Issue: 2 2023 Jan 30

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

Dietary Supplementation with Probiotic Bacillus licheniformis S6 Improves Intestinal Integrity via Modulating Intestinal Barrier Function and Microbial Diversity in Weaned Piglets.

Biology , Volume: 12 Issue: 2 2023 Feb 2

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

Intestinal microbial composition changes induced by Lactobacillus plantarum GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.

Journal of animal science and technology , Volume: 64 Issue: 6 2022 Nov

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

Chemical Composition and Antimicrobial Activity of New Honey Varietals.

International journal of environmental research and public health , Volume: 20 Issue: 3 2023 Jan 30

Authors Kunat-Budzynska M,Rysiak A,Wiater A,Graz M,Andrejko M,Budzynski M,Brys MS,Sudzinski M,Tomczyk M,Gancarz M,Rusinek R,Ptaszynska AA

Lactocaseibacillus casei T1 attenuates Helicobacter pylori-induced inflammation and gut microbiota disorders in mice.

BMC microbiology , Volume: 23 Issue: 1 2023 Feb 11

Authors Yu Z,Cao M,Peng J,Wu D,Li S,Wu C,Qing L,Zhang A,Wang W,Huang M,Zhao J

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

Frontiers in microbiomes , Volume: 1 2022

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

The effect of Bacillus subtilis and its delivery route on hatch and growth performance, blood biochemistry, immune status, gut morphology, and microbiota of broiler chickens.

Poultry science , Volume: 102 Issue: 4 2023 Apr

Authors Oladokun S,Adewole D

A diet enriched in omega-3 PUFA and inulin prevents type 1 diabetes by restoring gut barrier integrity and immune homeostasis in NOD mice.

Frontiers in immunology , Volume: 13 2022

Authors Lo Conte M,Antonini Cencicchio M,Ulaszewska M,Nobili A,Cosorich I,Ferrarese R,Massimino L,Andolfo A,Ungaro F,Mancini N,Falcone M

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

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

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

Lactobacillus plantarum ZJUIDS14 alleviates non-alcoholic fatty liver disease in mice in association with modulation in the gut microbiota.

Frontiers in nutrition , Volume: 9 2022

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

Impact of grape polyphenols on Akkermansia muciniphila and the gut barrier.

AIMS microbiology , Volume: 8 Issue: 4 2022

Authors Mezhibovsky E,Wu Y,Bawagan FG,Tveter KM,Szeto S,Roopchand D

Amelioration of cognitive impairment using epigallocatechin-3-gallate in ovariectomized mice fed a high-fat diet involves remodeling with Prevotella and Bifidobacteriales.

Frontiers in pharmacology , Volume: 13 2022

Authors Qu Y,Wu Y,Cheng W,Wang D,Zeng L,Wang Y,Li T,Zhang L,Yang J,Sun L,Ai J

Lactobacillus acidophilus (LA) Fermenting Astragalus Polysaccharides (APS) Improves Calcium Absorption and Osteoporosis by Altering Gut Microbiota.

Foods (Basel, Switzerland) , Volume: 12 Issue: 2 2023 Jan 6

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

Modulatory Effect of Fermented Black Soybean and Adlay on Gut Microbiota Contributes to Healthy Aging.

Molecular nutrition & food research , Volume: 67 Issue: 5 2023 Mar

Authors Koh YC,Kuo LH,Chang YY,Tung YC,Lo YC,Pan MH

Cranberry-lingonberry juice affects the gut and urinary microbiome in children - a randomized controlled trial.

APMIS : acta pathologica, microbiologica, et immunologica Scandinavica , Volume: 131 Issue: 3 2023 Mar

Authors Hakola M,Vehviläinen P,Muotka J,Tejesvi MV,Pokka T,Vähäsarja P,Hanni AM,Renko M,Uhari M,Salo J,Tapiainen T

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

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

Frontiers in microbiology , Volume: 13 2022

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

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

Poultry science , Volume: 102 Issue: 3 2023 Mar

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

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

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

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

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

Journal of animal science , 2022 Dec 27

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

Dietary Supplementation with Black Raspberries Altered the Gut Microbiome Composition in a Mouse Model of Colitis-Associated Colorectal Cancer, although with Differing Effects for a Healthy versus a Western Basal Diet.

Nutrients , Volume: 14 Issue: 24 2022 Dec 10

Authors Rodríguez DM,Hintze KJ,Rompato G,Wettere AJV,Ward RE,Phatak S,Neal C,Armbrust T,Stewart EC,Thomas AJ,Benninghoff AD

[Effects of a Specific Pre- and Probiotic Combination and Parent Stock Vaccination on Performance and Bacterial Communities in Broilers Challenged with a Multidrug-Resistant Escherichia coli.](#)

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 12 2022 Nov 26

Authors Fuhrmann L,Zentek J,Vahjen W,Günther R,Saliu EM

[Dietary Capsaicin: A Spicy Way to Improve Cardio-Metabolic Health?](#)

Biomolecules , Volume: 12 Issue: 12 2022 Nov 29

Authors Szallasi A

[Empire Apple \(Malus domestica\) Juice, Pomace, and Pulp Modulate Intestinal Functionality, Morphology, and Bacterial Populations In Vivo \(Gallus gallus\).](#)

Nutrients , Volume: 14 Issue: 23 2022 Nov 22

Authors Jackson C,Shukla V,Kolba N,Agarwal N,Padilla-Zakour OI,Tako E

[Tea polyphenol and epigallocatechin gallate ameliorate hyperlipidemia via regulating liver metabolism and remodeling gut microbiota.](#)

Food chemistry , Volume: 404 Issue: Pt A 2023 Mar 15

Authors Wen JJ,Li MZ,Chen CH,Hong T,Yang JR,Huang XJ,Geng F,Hu JL,Nie SP

[Investigation of Immunostimulatory Effects of Heat-Treated Lactiplantibacillus plantarum LM1004 and Its Underlying Molecular Mechanism.](#)

Food science of animal resources , Volume: 42 Issue: 6 2022 Nov

Authors Bae WY,Jung WH,Shin SL,Kwon S,Sohn M,Kim TR

[Response of gut microbiota and ileal transcriptome to inulin intervention in HFD induced obese mice.](#)

International journal of biological macromolecules , Volume: 225 2023 Jan 15

Authors Zhang H,Zhang Y,Mu T,Cao J,Liu X,Yang X,Ren D,Zhao K

[Epigallocatechin-3-Gallate Decreases Plasma and Urinary Levels of p-Cresol by Modulating Gut Microbiota in Mice.](#)

ACS omega , Volume: 7 Issue: 44 2022 Nov 8

Authors Unno T,Ichitani M

[Co-Cultures of Lactobacillus acidophilus and Bacillus subtilis Enhance Mucosal Barrier by Modulating Gut Microbiota-Derived Short-Chain Fatty Acids.](#)

Nutrients , Volume: 14 Issue: 21 2022 Oct 25

Authors Xie Z,Li M,Qian M,Yang Z,Han X

[Effects of Proteases from Pineapple and Papaya on Protein Digestive Capacity and Gut Microbiota in Healthy C57BL/6 Mice and Dose-Manner Response on Mucosal Permeability in Human Reconstructed Intestinal 3D Tissue Model.](#)

Metabolites , Volume: 12 Issue: 11 2022 Oct 26

Authors Kostiuhenko O,Kravchenko N,Markus J,Burleigh S,Fedkiv O,Cao L,Letasiova S,Skibo G,Fåk Hållenius F,Prykhodko O

[Effect of garlic extract on weight loss and gut microbiota composition in obese women: A double-blind randomized controlled trial.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Ettehad-Marvasti F,Ejtahed HS,Siadat SD,Soroush AR,Hoseini-Tavassol Z,Hasani-Ranjbar S,Larijani B

[Flavones interact with fiber to affect fecal bacterial communities in vitro.](#)

Food chemistry , Volume: 404 Issue: Pt B 2023 Mar 15

Authors Loo YT,Howell K,Suleria H,Zhang P,Liu S,Ng K

[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

[Curcumin alleviates LPS-induced intestinal homeostatic imbalance through reshaping gut microbiota structure and regulating group 3 innate lymphoid cells in chickens.](#)

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

Authors Ruan D,Wu S,Fouad AM,Zhu Y,Huang W,Chen Z,Gou Z,Wang Y,Han Y,Yan S,Zheng C,Jiang S

[Baseline gut microbial profiles are associated with the efficacy of Bacillus subtilis and Enterococcus faecium in IBS-D.](#)

Scandinavian journal of gastroenterology , Volume: 58 Issue: 4 2023 Apr

Authors Hong G,Li Y,Yang M,Li G,Jin Y,Xiong H,Qian W,Hou X

[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

[The effects of peppermint \(Mentha piperita L.\) and chicory \(Cichorium intybus L.\) in comparison with a prebiotic on](#)

productive performance, blood constituents, immunity and intestinal microflora in broiler chickens.

Animal biotechnology , Volume: 34 Issue: 7 2023 Dec

Authors Tufarelli V,Ghavami N,Nosrati M,Rasouli B,Kadim IT,Suárez Ramírez L,Gorlov I,Slozhenkina M,Mosolov A,Seidavi A,Ayasan T,Laudadio V

[Bifidobacterium bifidum TMC3115 Promotes Early Life Intestinal Microbiota Building to Alleviate Symptoms of Inflammatory Bowel Disease].

Sichuan da xue xue bao. Yi xue ban = Journal of Sichuan University. Medical science edition , Volume: 53 Issue: 5 2022 Sep

Authors Peng CR,Wang YM,Wang SL,Wu SM,Li JX,Cheng RY,He F,Shen X

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

Role of a probiotic strain in the modulation of gut microbiota and cytokines in inflammatory bowel disease.

Anaerobe , Volume: 78 2022 Dec

Authors Bamola VD,Dubey D,Samanta P,Kedia S,Ahuja V,Madempudi RS,Neelamraju J,Chaudhry R

Synbiotic microencapsulation of Enterococcus faecium Rp1: a potential probiotic isolated from ragi porridge with antiproliferative property against colon carcinoma cell line.

Journal of food science and technology , Volume: 59 Issue: 10 2022 Oct

Authors Ashwanandhini G,Reshma R,Preetha R

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

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

Antibacterial and antibiofilm activity of Lactobacillus strains secretome and extraction against Escherichia coli isolated from urinary tract infection.

Biotechnology reports (Amsterdam, Netherlands) , Volume: 36 2022 Dec

Authors Soltani N,Abbasi S,Baghaeifar S,Taheri E,Farhoudi Sefidan Jadid M,Emami P,Abolhasani K,Aslanshirzadeh F

Comparing the Effects of Concord Grape (Vitis labrusca L.) Puree, Juice, and Pomace on Intestinal Morphology, Functionality, and Bacterial Populations In Vivo (Gallus gallus).

Nutrients , Volume: 14 Issue: 17 2022 Aug 27

Authors Agarwal N,Shukla V,Kolba N,Jackson C,Cheng J,Padilla-Zakour OI,Tako E

Impact of Clarified Apple Juices with Different Processing Methods on Gut Microbiota and Metabolomics of Rats.

Nutrients , Volume: 14 Issue: 17 2022 Aug 25

Authors Xu L,Yang S,Wang K,Lu A,Wang X,Xu Z

Green tea extract alters gut microbiota and their metabolism of adults with metabolic syndrome in a host-free human colonic model.

Food research international (Ottawa, Ont.) , Volume: 160 2022 Oct

Authors Zhang S,Xu M,Sun X,Shi H,Zhu J

[Protective effect and mechanism of Bifidobacterium bifidum TMC3115 on long-term colitis in mice which exposed to antibiotic in early life].

Wei sheng yan jiu = Journal of hygiene research , Volume: 51 Issue: 4 2022 Jul

Authors Wang S,Peng C,Li J,Cheng R,He F,Yang L,Lu J,Shen X

Milk fat globule membrane supplementation to obese rats during pregnancy and lactation promotes neurodevelopment in offspring via modulating gut microbiota.

Frontiers in nutrition , Volume: 9 2022

Authors Yuan Q,Gong H,Du M,Li T,Mao X

Effects of Bacillus subtilis natto JLCC513 on gut microbiota and intestinal barrier function in obese rats.

Journal of applied microbiology , Volume: 133 Issue: 6 2022 Dec

Authors Sun R,Niu H,Sun M,Miao X,Jin X,Xu X,Yanping C,Mei H,Wang J,Da L,Su Y

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

Chicken Gut Microbiota Responses to Dietary Bacillus subtilis Probiotic in the Presence and Absence of Eimeria Infection.

Microorganisms , Volume: 10 Issue: 8 2022 Jul 31

Authors Memon FU,Yang Y,Zhang G,Leghari IH,Lv F,Wang Y,Laghari F,Khushk FA,Si H

Nutritionally rich biochemical profile in essential oil of various Mentha species and their antimicrobial activities.

Protoplasma , Volume: 260 Issue: 2 2023 Mar

Authors Fazal H,Akram M,Ahmad N,Qaisar M,Kanwal F,Rehman G,Ullah I

Mechanistic study of copper oxide, zinc oxide, cadmium oxide, and silver nanoparticles-mediated toxicity on the probiotic Lactobacillus reuteri.

Drug and chemical toxicology , 2022 Aug 5

Authors Eid AM,Sayed OM,Hozayen W,Dishisha T

Oregano Essential Oils Mediated Intestinal Microbiota and Metabolites and Improved Growth Performance and Intestinal Barrier Function in Sheep.

Frontiers in immunology , Volume: 13 2022

Authors Jia L,Wu J,Lei Y,Kong F,Zhang R,Sun J,Wang L,Li Z,Shi J,Wang Y,Wei Y,Zhang K,Lei Z

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

Dysregulation of intestinal flora: excess prepackaged soluble fibers damage the mucus layer and induce intestinal inflammation.

Food & function , Volume: 13 Issue: 16 2022 Aug 15

Authors Chen K,Man S,Wang H,Gao C,Li X,Liu L,Wang H,Wang Y,Lu F

Preparation and Structure Characterization of High-Value Laminaria digitata Oligosaccharides.

Frontiers in nutrition , Volume: 9 2022

Authors Cheong KL,Li JK,Zhong S

Lactobacillus plantarum Alleviates Obesity by Altering the Composition of the Gut Microbiota in High-Fat Diet-Fed Mice.

Frontiers in nutrition , Volume: 9 2022

Authors Ma Y,Fei Y,Han X,Liu G,Fang J

Alteration of gut microbiota in high-fat diet-induced obese mice using carnosic acid from rosemary.

Food science & nutrition , Volume: 10 Issue: 7 2022 Jul

Authors He X,Zhang M,Li ST,Li X,Huang Q,Zhang K,Zheng X,Xu XT,Zhao DG,Ma YY

Effect of ellagic acid and mesocarp extract of Punica granatum on productive and reproductive performances of laying hens.

Tropical animal health and production , Volume: 54 Issue: 4 2022 Jul 9

Authors Gul H,Geng Z,Habib G,Hayat A,Rehman MU,Khan I

Identification of Nordic Berries with Beneficial Effects on Cognitive Outcomes and Gut Microbiota in High-Fat-Fed Middle-Aged C57BL/6J Mice.

Nutrients , Volume: 14 Issue: 13 2022 Jun 30

Authors Huang F,Marungruang N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållenius FF,Heyman-Lindén L

Binary Synergistic Combinations of Lavender and Fennel Essential Oils with Amoxicillin.

Planta medica , Volume: 89 Issue: 8 2023 Jul

Authors Karadağ AE,Çaskurlu A,Demirci B,Demirci F

Fermented milk of cheese-derived Lactobacillus delbrueckii subsp. bulgaricus displays potentials in alleviating alcohol-induced hepatic injury and gut dysbiosis in mice.

Food research international (Ottawa, Ont.) , Volume: 157 2022 Jul

Authors Liu M,Liu M,Yang S,Shen C,Wang X,Liu W,Guo Y

Regulatory Effect of Lactiplantibacillus plantarum 2-33 on Intestinal Microbiota of Mice With Antibiotic-Associated Diarrhea.

Frontiers in nutrition , Volume: 9 2022

Authors Bao W,He Y,Yu J,Liu M,Yang X,Ta N,Zhang E,Liang C

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

Pharmaceutics , Volume: 14 Issue: 6 2022 May 31

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

Antioxidative, Antibacterial and Antiproliferative Properties of Honey Types from the Western Balkans.

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

Authors Sakac M,Jovanov P,Maric A,Cetojevic-Simin D,Novakovic A,Plavšić D,Škrobot D,Kovac R

A Novel Probiotic *Bacillus subtilis* Strain Confers Cytoprotection to Host Pig Intestinal Epithelial Cells during Enterotoxigenic *Escherichia coli* Infection.

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

Authors Sudan S,Zhan X,Li J

Effect of dietary *Bacillus coagulans* on the performance and intestinal microbiota of weaned piglets.

Animal : an international journal of animal bioscience , Volume: 16 Issue: 7 2022 Jul

Authors Sun T,Miao H,Zhang C,Wang Y,Liu S,Jiao P,Li W,Li Y,Huang Z

Saccharomyces boulardii, a yeast probiotic, inhibits gut motility through upregulating intestinal serotonin transporter and modulating gut microbiota.

Pharmacological research , Volume: 181 2022 Jul

Authors Gu Y,Wang C,Qin X,Zhou B,Liu X,Liu T,Xie R,Liu J,Wang B,Cao H

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

Beneficial Effects of Linseed Supplementation on Gut Mucosa-Associated Microbiota in a Physically Active Mouse Model of Crohn's Disease.

International journal of molecular sciences , Volume: 23 Issue: 11 2022 May 24

Authors Plissonneau C,Sivignon A,Chassaing B,Capel F,Martin V,Etienne M,Wawrzyniak I,Chausse P,Dutheil F,Maïresse G,Chesneau G,Boisseau N,Barnich N

In vitro Intervention of *Lactobacillus paracasei* N1115 Can Alter Fecal Microbiota and Their SCFAs Metabolism of Pregnant Women with Constipation and Diarrhea.

Current microbiology , Volume: 79 Issue: 7 2022 Jun 7

Authors Dang C,Zhao K,Xun Y,Feng L,Zhang D,Cui L,Cui Y,Jia X,Wang S

The Probiotic *Lactobacillus paracasei* Ameliorates Diarrhea Cause by *Escherichia coli* O(8) via Gut Microbiota Modulation(1).

Frontiers in nutrition , Volume: 9 2022

Authors Ren S,Wang C,Chen A,Lv W,Gao R

***Lactobacillus reuteri* J1 prevents obesity by altering the gut microbiota and regulating bile acid metabolism in obese mice.**

Food & function , Volume: 13 Issue: 12 2022 Jun 20

Authors Zhang C,Fang R,Lu X,Zhang Y,Yang M,Su Y,Jiang Y,Man C

Green Synthesis of Silver Nanoparticles (AgNPs), Structural Characterization, and their Antibacterial Potential.

Dose-response : a publication of International Hormesis Society , Volume: 20 Issue: 1 2022 Jan-Mar

Authors Asif M,Yasmin R,Asif R,Ambreen A,Mustafa M,Umbreen S

***Bacillus amyloliquefaciens* SC06 alleviates the obesity of ob/ob mice and improves their intestinal microbiota and bile acid metabolism.**

Food & function , Volume: 13 Issue: 9 2022 May 10

Authors Zeng Z,Zhou Y,Xu Y,Wang S,Wang B,Zeng Z,Wang Q,Ye X,Jin L,Yue M,Tang L,Zou P,Zhao P,Li W

Potential Effects of Sucralose and Saccharin on Gut Microbiota: A Review.

Nutrients , Volume: 14 Issue: 8 2022 Apr 18

Authors Del Pozo S,Gómez-Martínez S,Díaz LE,Nova E,Urriarte R,Marcos A

Effect of *Enterococcus faecium* NCIMB 10415 on Gut Barrier Function, Internal Redox State, Proinflammatory Response and Pathogen Inhibition Properties in Porcine Intestinal Epithelial Cells.

Nutrients , Volume: 14 Issue: 7 2022 Apr 2

Authors Palkovicsné Pézsa N,Kovács D,Gálfi P,Rácz B,Farkas O

A novel *Lactobacillus bulgaricus* isolate can maintain the intestinal health, improve the growth performance and reduce the colonization of *E. coli* O157:H7 in broilers.

British poultry science , Volume: 63 Issue: 5 2022 Oct

Authors Xiang L,Ying Z,Xue M,Xiaoxian P,Xiaorong L,Chunyang L,Yu W,Mingcheng L,Binxian L

Changes in Gut Microbiota by the *Lactobacillus casei* Anchoring the K88 Fimbrial Protein Prevented Newborn Piglets From Clinical Diarrhea.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Qin D,Bai Y,Li Y,Huang Y,Li L,Wang G,Qu Y,Wang J,Yu LY,Hou X

In vitro evaluation of probiotic properties of lactic acid bacteria isolated from the vagina of yak (*Bos grunniens*).

PeerJ , Volume: 10 2022

Authors Zhang Q,Pan Y,Wang M,Sun L,Xi Y,Li M,Zeng Q

Effects of the potential probiotic *Bacillus subtilis* D1-2 on growth, digestion, immunity and intestinal flora in juvenile sea cucumber, *Apostichopus japonicus*.

Fish & shellfish immunology , Volume: 124 2022 May

Authors Wang M,Lv C,Chen Y,Bi X,Yang D,Zhao J

[Spirulina platensis biomass enhances the proliferation rate of Lactobacillus acidophilus 5 \(La-5\) and combined with La-5 impact the gut microbiota of medium-age healthy individuals through an in vitro gut microbiome model.](#)**Food research international (Ottawa, Ont.)** , Volume: 154 2022 Apr

Authors Barros de Medeiros VP,Salgaço MK,Pimentel TC,Rodrigues da Silva TC,Sartoratto A,Lima MDS,Sassi CFDC,Mesa V,Magnani M,Sivieri K

[Gut microbiome and plasma metabolome changes in rats after oral gavage of nanoparticles: sensitive indicators of possible adverse health effects.](#)**Particle and fibre toxicology** , Volume: 19 Issue: 1 2022 Mar 23

Authors Landsiedel R,Hahn D,Ossig R,Ritz S,Sauer L,Buesen R,Rehm S,Wohlleben W,Groeters S,Strauss V,Sperber S,Wami H,Dobrindt U,Prior K,Harmsen D,van Ravenzwaay B,Schnekenburger J

[Antibacterial and Antibiofilm Activity of Selected Medicinal Plant Leaf Extracts Against Pathogens Implicated in Poultry Diseases.](#)**Frontiers in veterinary science** , Volume: 9 2022

Authors Olawuwo OS,Famuyide IM,McGaw LJ

[Antimicrobial and Larvicidal Activities of Different Ocimum Essential Oils Extracted by Ultrasound-Assisted Hydrodistillation.](#)**Molecules (Basel, Switzerland)** , Volume: 27 Issue: 5 2022 Feb 22

Authors Sneha K,Narayanankutty A,Job JT,Olatunji OJ,Alfarhan A,Famurewa AC,Ramesh V

[Biocomposites of Silk-Elastin and Essential Oil from Mentha piperita Display Antibacterial Activity.](#)**ACS omega** , Volume: 7 Issue: 8 2022 Mar 1

Authors Gomes DS,da Costa A,Pereira AM,Casal M,Machado R

[Effects of drinking water supplementation with Lactobacillus reuteri, and a mixture of reuterin and microcin J25 on the growth performance, caecal microbiota and selected metabolites of broiler chickens.](#)**Journal of animal science and biotechnology** , Volume: 13 Issue: 1 2022 Mar 5

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

[Enzymatic Preparation of Low-Molecular-Weight Laminaria japonica Polysaccharides and Evaluation of Its Effect on Modulating Intestinal Microbiota in High-Fat-Diet-Fed Mice.](#)**Frontiers in bioengineering and biotechnology** , Volume: 9 2021

Authors Fu X,Zhan Y,Li N,Yu D,Gao W,Gu Z,Zhu L,Li R,Zhu C

[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

[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,Berbezy P,Bird AR,Belobrajdic DP

[Effects of Bacillus amyloliquefaciens TL106 Isolated from Tibetan Pigs on Probiotic Potential and Intestinal Microbes in Weaned Piglets.](#)**Microbiology spectrum** , Volume: 10 Issue: 1 2022 Jan 26

Authors Du H,Yao W,Kulyar MF,Ding Y,Zhu H,Pan H,Li K,Bhutta ZA,Liu S,Li J

[Physicochemical Properties of the Soluble Dietary Fiber from Laminaria japonica and Its Role in the Regulation of Type 2 Diabetes Mice.](#)**Nutrients** , Volume: 14 Issue: 2 2022 Jan 13

Authors Wang X,Zhang L,Qin L,Wang Y,Chen F,Qu C,Miao J

[A Synbiotic Formulation Comprising Bacillus subtilis DSM 32315 and L-Alanyl-L-Glutamine Improves Intestinal Butyrate Levels and Lipid Metabolism in Healthy Humans.](#)**Nutrients** , Volume: 14 Issue: 1 2021 Dec 29

Authors Tom Dieck H,Schön C,Wagner T,Pankoke HC,Fluegel M,Speckmann B

[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

[Effects of Dietary Supplementation With Bacillus subtilis, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.](#)**Frontiers in nutrition** , Volume: 8 2021

Authors Qiu K,Li CL,Wang J,Qi GH,Gao J,Zhang HJ,Wu SG

[Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Wang X,Ye P,Fang L,Ge S,Huang F,Polverini PJ,Heng W,Zheng L,Hu Q,Yan F,Wang W

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

Frontiers in cell and developmental biology , Volume: 9 2021

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

Potential effects of Saudi Shaoka (Fagonia bruguieri) honey against multi-drug-resistant bacteria and cancer cells in comparison to Manuka honey.

Saudi journal of biological sciences , Volume: 28 Issue: 12 2021 Dec

Authors Halawani EM

Multidimensional exploration of essential oils generated via eight oregano cultivars: Compositions, chemodiversities, and antibacterial capacities.

Food chemistry , Volume: 374 2022 Apr 16

Authors Hao Y,Kang J,Yang R,Li H,Cui H,Bai H,Tsitsilin A,Li J,Shi L

Polydextrose with and without Bifidobacterium animalis ssp. lactis 420 drives the prevalence of Akkermansia and improves liver health in a multi-compartmental obesogenic mice study.

PloS one , Volume: 16 Issue: 12 2021

Authors Yde CC,Jensen HM,Christensen N,Servant F,Lelouvier B,Lahtinen S,Stenman LK,Airaksinen K,Kailanto HM

A Pilot Study of the Effect of Lactobacillus casei Obtained from Long-Lived Elderly on Blood Biochemical, Oxidative, and Inflammatory Markers, and on Gut Microbiota in Young Volunteers.

Nutrients , Volume: 13 Issue: 11 2021 Oct 29

Authors Mei LH,Zheng WX,Zhao ZT,Meng N,Zhang QR,Zhu WJ,Li RD,Liang XL,Li QY

Impacts of Cigarette Smoking Status on Metabolomic and Gut Microbiota Profile in Male Patients With Coronary Artery Disease: A Multi-Omics Study.

Frontiers in cardiovascular medicine , Volume: 8 2021

Authors Hu X,Fan Y,Li H,Zhou R,Zhao X,Sun Y,Zhang S

Lactobacillus casei ATCC 393 and its metabolites alleviate dextran sulphate sodium-induced ulcerative colitis in mice through the NLRP3-Caspase-1/IL-1 β pathway.

Food & function , Volume: 12 Issue: 23 2021 Nov 29

Authors Dou X,Qiao L,Chang J,Yan S,Song X,Chen Y,Xu Q,Xu C

Antimicrobial, immunological and biochemical effects of florfenicol and garlic (Allium sativum) on rabbits infected with Escherichia coli serotype O55: H7.

Veterinary research communications , 2021 Nov 10

Authors Farag VM,El-Shafei RA,Elkenany RM,Ali HS,Eladl AH

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

Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces Enterobacteriaceae Family Abundance and Elevates Propionate in a Bioreactor Model.

Frontiers in microbiology , Volume: 12 2021

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

Influence of Diet on the Effect of the Probiotic Lactobacillus paracasei in Rats Suffering From Allergic Asthma.

Frontiers in microbiology , Volume: 12 2021

Authors Xie A,Song J,Lu S,Liu Y,Tang L,Wen S

Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.

Microbiology spectrum , 2021 Oct 6

Authors Liu A,Ma T,Xu N,Jin H,Zhao F,Kwok LY,Zhang H,Zhang S,Sun Z

Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.

Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov

Authors Marzorati M,Van den Abbeele P,Bubeck S,Bayne T,Krishnan K,Young A

Bacillus pumilus and Bacillus subtilis Promote Early Maturation of Cecal Microbiota in Broiler Chickens.

Microorganisms , Volume: 9 Issue: 9 2021 Sep 7

Authors Bilal M,Achard C,Barbe F,Chevaux E,Ronholm J,Zhao X

Lactobacillus reuteri FYNJ109L1 Attenuating Metabolic Syndrome in Mice via Gut Microbiota Modulation and Alleviating Inflammation.

Foods (Basel, Switzerland) , Volume: 10 Issue: 9 2021 Sep 2

Authors Yang B,Zheng F,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

[The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.](#)

Advances in nutrition (Bethesda, Md.) , Volume: 2021 Sep 23

Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD

[Percentage Destabilization Effect of Some West African Medicinal Plants on the Outer Membrane of Various Bacteria Involved in Infectious Diarrhea.](#)

BioMed research international , Volume: 2021 2021

Authors Doughton V,Hounsa E,Agbodjento E,Kellah LP,Legba BB,Sintondji K,Afaton A,Klotoe JR,Baba-Moussa L,Bankole H

[Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.](#)

Journal of the science of food and agriculture , Volume: 102 Issue: 5 2022 Mar 30

Authors Song H,Shen X,Chu Q,Zheng X

[Variation of bitter components of the asparagus juices during lactic acid bacteria fermentation.](#)

Bioscience, biotechnology, and biochemistry , Volume: 85 Issue: 11 2021 Oct 21

Authors Guan C,Yuan Y,Zhang W,Ding X,Zhang C,Chen D,Lu M,Gu R,Chen X

[Chemical Profile, In Vitro Biological Activity and Comparison of Essential Oils from Fresh and Dried Flowers of *Lavandula angustifolia* L.](#)

Molecules (Basel, Switzerland) , Volume: 26 Issue: 17 2021 Sep 1

Authors Caprari C,Fantasma F,Divino F,Bucci A,Iorizzi M,Naclerio G,Ranalli G,Saviano G

[Gut microbiota from green tea polyphenol-dosed mice improves intestinal epithelial homeostasis and ameliorates experimental colitis.](#)

Microbiome , Volume: 9 Issue: 1 2021 Sep 7

Authors Wu Z,Huang S,Li T,Li N,Han D,Zhang B,Xu ZZ,Zhang S,Pang J,Wang S,Zhang G,Zhao J,Wang J

[Inulin-type prebiotics reduce serum uric acid levels via gut microbiota modulation: a randomized, controlled crossover trial in peritoneal dialysis patients.](#)

European journal of nutrition , Volume: 61 Issue: 2 2022 Mar

Authors He S,Xiong Q,Tian C,Li L,Zhao J,Lin X,Guo X,He Y,Liang W,Zuo X,Ying C

[Effects of Dietary Supplementation of *Lactobacillus delbrueckii* on Gut Microbiome and Intestinal Morphology in Weaned Piglets.](#)

Frontiers in veterinary science , Volume: 8 2021

Authors Wang XL,Liu ZY,Li YH,Yang LY,Yin J,He JH,Hou DX,Liu YL,Huang XG

[Effects of *Bacillus subtilis* on jejunal integrity, redox status, and microbial composition of intrauterine growth restriction suckling piglets.](#)

Journal of animal science , Volume: 99 Issue: 10 2021 Oct 1

Authors Yun Y, Ji S, Yu G, Jia P, Niu Y, Zhang H, Zhang X, Wang T, Zhang L

[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

[In Vitro Assessment of *Lactobacillus crispatus* UBLCP01, *Lactobacillus gasseri* UBLG36, and *Lactobacillus johnsonii* UBLJ01 as a Potential Vaginal Probiotic Candidate.](#)

Probiotics and antimicrobial proteins , Volume: 15 Issue: 2 2023 Apr

Authors Ahire JJ,Sahoo S,Kashikar MS,Heerekar A,Lakshmi SG,Madempudi RS

[Effects of dietary rosemary extract supplementation on growth performance, nutrient digestibility, antioxidant capacity, intestinal morphology, and microbiota of weaning pigs.](#)

Journal of animal science , Volume: 99 Issue: 9 2021 Sep 1

Authors Yang M,Yin Y,Wang F,Bao X,Long L,Tan B,Yin Y,Chen J

[A bovine lactoferricin-lactoferrampin-encoding *Lactobacillus reuteri* C021 regulates the intestinal mucosal immunity and enhances the protection of piglets against enterotoxigenic *Escherichia coli* K88 challenge.](#)

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

Authors Xie W,Song L,Wang X,Xu Y,Liu Z,Zhao D,Wang S,Fan X,Wang Z,Gao C,Wang X,Wang L,Qiao X,Zhou H,Cui W,Jiang Y,Li Y,Tang L

[Effects of Smoking on Inflammatory Markers in a Healthy Population as Analyzed via the Gut Microbiota.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Yan S, Ma Z, Jiao M, Wang Y, Li A, Ding S

[Heteropolysaccharides from *S. cerevisiae* show anti-adhesive properties against *E. coli* associated with Crohn's disease.](#)

Carbohydrate polymers , Volume: 271 2021 Nov 1

Authors Sivignon A,Yu SY,Ballet N,Vandekerckove P,Barnich N,Guerardel Y

[Effect of the use of probiotic *Bacillus subtilis* \(QST 713\) as a growth promoter in broilers: an alternative to bacitracin methylene disalicylate.](#)

Poultry science , Volume: 100 Issue: 9 2021 Sep

Authors Rivera-Pérez W,Barquero-Calvo E,Chaves AJ

Assessment of Lactobacillus casei rhamnosus (LGG) therapy in children with biliary atresia - Randomized placebo controlled trial.

Clinics and research in hepatology and gastroenterology , Volume: 45 Issue: 6 2021 Nov

Authors Orlowska E,Czubkowski P,Wolochowska K,Jarzebicka D,Motyl I,Socha P

Lactobacillus casei LC89 exerts antidiabetic effects through regulating hepatic glucagon response and gut microbiota in type 2 diabetic mice.

Food & function , Volume: 12 Issue: 18 2021 Sep 20

Authors Zhang Y,Wu T,Li W,Zhao Y,Long H,Liu R,Sui W,Zhang M

Microencapsulated and Lyophilized Lactobacillus acidophilus Improved Gut Health and Immune Status of Preruminant Calves.

Probiotics and antimicrobial proteins , Volume: 14 Issue: 3 2022 Jun

Authors Kumar M,Kala A,Chaudhary LC,Agarwal N,Kochewad SA

The construction of recombinant Lactobacillus casei expressing hemagglutinin-neuraminidase protein and its immune response in chickens.

Microbial pathogenesis , Volume: 158 2021 Sep

Authors Ju A,Duan A,Zhang Y,Qin Y,Xue L,Ma X,Luan W,Yang S

Natural capsicum extract replacing chlortetracycline enhances performance via improving digestive enzyme activities, antioxidant capacity, anti-inflammatory function, and gut health in weaned pigs.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 2 2021 Jun

Authors Long S,Liu S,Wang J,Mahfuz S,Piao 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

Dietary oregano essential oil supplementation improves intestinal functions and alters gut microbiota in late-phase laying hens.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jul 6

Authors Feng J,Lu M,Wang J,Zhang H,Qiu K,Qi G,Wu S

Impact of Phlorotannin Extracts from Fucus vesiculosus on Human Gut Microbiota.

Marine drugs , Volume: 19 Issue: 7 2021 Jun 29

Authors Catarino MD,Marçal C,Bonifácio-Lopes T,Campos D,Mateus N,Silva AMS,Pintado MM,Cardoso SM

Evaluation of the Cholesterol-Lowering Mechanism of Enterococcus faecium Strain 132 and Lactobacillus paracasei Strain 201 in Hypercholesterolemia Rats.

Nutrients , Volume: 13 Issue: 6 2021 Jun 9

Authors Yang L,Xie X,Li Y,Wu L,Fan C,Liang T,Xi Y,Yang S,Li H,Zhang J,Ding Y,Xue L,Chen M,Wang J,Wu Q

Microbiota and Metabolite Modifications after Dietary Exclusion of Dairy Products and Reduced Consumption of Fermented Food in Young and Older Men.

Nutrients , Volume: 13 Issue: 6 2021 Jun 1

Authors Kim J,Burton-Pimentel KJ,Fleuti C,Blaser C,Scherz V,Badertscher R,Marmonier C,Lyon-Belgy N,Caille A,Pidou V,Blot A,Bertelli C,David J,Bütikofer U,Greub G,Dardevet D,Polakof S,Vergères G

Concentrated Raw Fibers Enhance the Fiber-Degrading Capacity of a Synthetic Human Gut Microbiome.

International journal of molecular sciences , Volume: 22 Issue: 13 2021 Jun 25

Authors Steimle A,Neumann M,Grant ET,Turner JD,Desai MS

Drinking Water with Saccharin Sodium Alters the Microbiota-Gut-Hypothalamus Axis in Guinea Pig.

Animals : an open access journal from MDPI , Volume: 11 Issue: 7 2021 Jun 23

Authors Li J,Zhu S,Lv Z,Dai H,Wang Z,Wei Q,Hamdard E,Mustafa S,Shi F,Fu Y

Mint Oils: In Vitro Ability to Perform Anti-Inflammatory, Antioxidant, and Antimicrobial Activities and to Enhance Intestinal Barrier Integrity.

Antioxidants (Basel, Switzerland) , Volume: 10 Issue: 7 2021 Jun 23

Authors Hejna M,Kovanda L,Rossi L,Liu Y

Imbalanced dietary intake alters the colonic microbial profile in growing rats.

PLoS one , Volume: 16 Issue: 6 2021

Authors Jung TH,Han KS

Lactic acid production ability of Lactobacillus sp. from four tropical fruits using their by-products as carbon source.

Heliyon , Volume: 7 Issue: 5 2021 May

Authors Ngouénam JR,Momo Kenfack CH,Foko Kouam EM,Kaktcham PM,Maharjan R,Ngoufack FZ

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

[Oral administration of camellia oil ameliorates obesity and modifies the gut microbiota composition in mice fed a high-fat diet.](#)

FEMS microbiology letters , Volume: 368 Issue: 10 2021 Jun 11

Authors Huang T,Zhou W,Ma X,Jiang J,Zhang F,Zhou W,He H,Cui G

[Effect of BioPlus YC Probiotic Supplementation on Gut Microbiota, Production Performance, Carcass and Meat Quality of Pigs.](#)

Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 28

Authors Rybarczyk A,Boguslawska-Was E,Dlubala A

[Zinc Oxide and Silver Nanoparticle Effects on Intestinal Bacteria.](#)

Materials (Basel, Switzerland) , Volume: 14 Issue: 10 2021 May 12

Authors Yoo A,Lin M,Mustapha A

[Artificial Sweeteners Negatively Regulate Pathogenic Characteristics of Two Model Gut Bacteria, E. coli and E. faecalis.](#)

International journal of molecular sciences , Volume: 22 Issue: 10 2021 May 15

Authors Shil A,Chichger H

[Preparation and photodynamic bactericidal effects of curcumin- \$\beta\$ -cyclodextrin complex.](#)

Food chemistry , Volume: 361 2021 Nov 1

Authors Lai D,Zhou A,Tan BK,Tang Y,Sarah Hamzah S,Zhang Z,Lin S,Hu J

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

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

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

[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

[Effects of Bacillus Coagulans on growth performance, antioxidant capacity, immunity function, and gut health in broilers.](#)

Poultry science , Volume: 100 Issue: 6 2021 Mar 27

Authors Zhang B,Zhang H,Yu Y,Zhang R,Wu Y,Yue M,Yang C

[Lactobacillus Sps in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.](#)

Biology , Volume: 10 Issue: 4 2021 Apr 20

Authors Gulnaz A,Nadeem J,Han JH,Lew LC,Son JD,Park YH,Rather IA,Hor YY

[Saccharomyces boulardii ameliorates gut dysbiosis associated cognitive decline.](#)

Physiology & behavior , Volume: 236 2021 Jul 1

Authors Roy Sarkar S,Mitra Mazumder P,Chatterjee K,Sarkar A,Adhikary M,Mukhopadhyay K,Banerjee S

[Effect of Supplementing Seaweed Extracts to Pigs until d35 Post-Weaning on Performance and Aspects of Intestinal Health.](#)

Marine drugs , Volume: 19 Issue: 4 2021 Mar 26

Authors Vigors S,O`Doherty J,Rattigan R,Sweeney T

[Investigation of Antibacterial Activity and Probiotic Properties of Strains Belonging to Lactobacillus and Bifidobacterium Genera for Their Potential Application in Functional Food and Feed Products.](#)

Probiotics and antimicrobial proteins , Volume: 13 Issue: 5 2021 Oct

Authors Cizeikiene D,Jagelaviciute J

[Developmental exposure to silver nanoparticles leads to long term gut dysbiosis and neurobehavioral alterations.](#)

Scientific reports , Volume: 11 Issue: 1 2021 Mar 22

Authors Lyu Z,Ghoshdastidar S,Rekha KR,Suresh D,Mao J,Bivens N,Kannan R,Joshi T,Rosenfeld CS,Upendran A

[Lactobacillus acidophilus LA5 improves saturated fat-induced obesity mouse model through the enhanced intestinal Akkermansia muciniphila.](#)

Scientific reports , Volume: 11 Issue: 1 2021 Mar 18

Authors Ondee T,Pongpirul K,Visitchanakun P,Saisorn W,Kanacharoen S,Wongsaroj L,Kullapanich C,Ngamwongsatit N,Settachaimongkon S,Somboonna N,Leelahavanichkul A

[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

[Assessment of Antimicrobial Activity of Pomegranate, Cranberry, and Black Chokeberry Extracts against Foodborne Pathogens.](#)

Foods (Basel, Switzerland) , Volume: 10 Issue: 3 2021 Feb 24

Authors Daoutidou M,Plessas S,Alexopoulos A,Mantzourani I

Probiotic *Bacillus subtilis* 29,784 improved weight gain and enhanced gut health status of broilers under necrotic enteritis condition.

Poultry science , Volume: 100 Issue: 4 2021 Apr

Authors Keerqin C,Rhayat L,Zhang ZH,Gharib-Naseri K,Kheravii SK,Devillard E,Crowley TM,Wu SB

Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice.

mSystems , Volume: 6 Issue: 1 2021 Feb 23

Authors Shi Z,Lei H,Chen G,Yuan P,Cao Z,Ser HL,Zhu X,Wu F,Liu C,Dong M,Song Y,Guo Y,Chen C,Hu K,Zhu Y,Zeng XA,Zhou J,Lu Y,Patterson AD,Zhang L

Long-term and continuous administration of *Bacillus subtilis* during remission effectively maintains the remission of inflammatory bowel disease by protecting intestinal integrity, regulating epithelial proliferation, and reshaping microbial structure and function.

Food & function , Volume: 12 Issue: 5 2021 Mar 15

Authors Liu Y,Yin F,Huang L,Teng H,Shen T,Qin H

Effects of dietary oregano essential oil supplementation on growth performance, intestinal antioxidative capacity, immunity, and intestinal microbiota in yellow-feathered chickens.

Journal of animal science , Volume: 99 Issue: 2 2021 Feb 1

Authors Ruan D,Fan Q,Fouad AM,Sun Y,Huang S,Wu A,Lin C,Kuang Z,Zhang C,Jiang S

Lactobacillus fermentum CECT5716 ameliorates high fat diet-induced obesity in mice through modulation of gut microbiota dysbiosis.

Pharmacological research , 2021 Jan 30

Authors Molina-Tijeras JA,Diez-Echave P,Vezza T,Hidalgo-García L,Ruiz-Malagón AJ,Rodríguez-Sojo MJ,Romero M,Robles-Vera I,García F,Plaza-Díaz J,Olivares M,Duarte J,Rodríguez-Cabezas ME,Rodríguez-Nogales A,Gálvez J

Dietary Supplementation With *Bacillus subtilis* Promotes Growth and Gut Health of Weaned Piglets.

Frontiers in veterinary science , Volume: 7 2020

Authors Tian Z,Wang X,Duan Y,Zhao Y,Zhang W,Azad MAK,Wang Z,Blachier F,Kong X

Effects of novel probiotic strains of *Bacillus pumilus* and *Bacillus subtilis* on production, gut health, and immunity of broiler chickens raised under suboptimal conditions.

Poultry science , Volume: 100 Issue: 3 2021 Mar

Authors Bilal M,Si W,Barbe F,Chevaux E,Sienkiewicz O,Zhao X

Pretreatment with chitosan oligosaccharides attenuate experimental severe acute pancreatitis via inhibiting oxidative stress and modulating intestinal homeostasis.

Acta pharmacologica Sinica , 2021 Jan 25

Authors Mei QX,Hu JH,Huang ZH,Fan JJ,Huang CL,Lu YY,Wang XP,Zeng Y

Effect of dietary inclusion of dried apple pomace on faecal butyrate concentration and modulation of gut microbiota in dogs.

Archives of animal nutrition , Volume: 75 Issue: 1 2021 Feb

Authors de Brito CBM,Menezes Souza CM,Bastos TS,Mesa D,Oliveira SG,Félix AP

California strawberry consumption increased the abundance of gut microorganisms related to lean body weight, health and longevity in healthy subjects.

Nutrition research (New York, N.Y.) , Volume: 85 2021 Jan

Authors Ezzat-Zadeh Z,Henning SM,Yang J,Woo SL,Lee RP,Huang J,Thames G,Gilbuena I,Tseng CH,Heber D,Li Z

Heat inactivation partially preserved barrier and immunomodulatory effects of *Lactobacillus gasseri* LA806 in an in vitro model of bovine mastitis.

Beneficial microbes , Volume: 12 Issue: 1 2021 Feb 24

Authors Blanchet F,Rault L,Peton V,Le Loir Y,Blondeau C,Lenoir L,Dubourdeaux M,Even S

Graded dietary resistant starch concentrations on apparent total tract macronutrient digestibility and fecal fermentative end products and microbial populations of healthy adult dogs.

Journal of animal science , Volume: 99 Issue: 1 2021 Jan 1

Authors Beloshapka AN,Cross TL,Swanson KS

Insoluble dietary fiber derived from brown seaweed *Laminaria japonica* ameliorate obesity-related features via modulating gut microbiota dysbiosis in high-fat diet-fed mice.

Food & function , Volume: 12 Issue: 2 2021 Jan 21

Authors Zhang Y,Zhao N,Yang L,Hong Z,Cai B,Le Q,Yang T,Shi L,He J,Cui CB

Microbial Metabolism of Theaflavin-3,3'-digallate and Its Gut Microbiota Composition Modulatory Effects.

Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13

Authors Liu Z,de Bruijn WJC,Bruins ME,Vincken JP

Alleviation of DSS-induced colitis via *Lactobacillus acidophilus* treatment in mice.**Food & function** , Volume: 12 Issue: 1 2021 Jan 7

Authors Kim WK,Han DH,Jang YJ,Park S,Jang SJ, Lee G,Han HS,Ko G

Characterization, activities, and ethnobotanical uses of *Mentha* species in Morocco.**Heliyon** , Volume: 6 Issue: 11 2020 Nov

Authors El Hassani FZ

Bacillus amyloliquefaciens TL106 protects mice against enterohaemorrhagic *Escherichia coli* O157:H7-induced intestinal disease through improving immune response, intestinal barrier function and gut microbiota.**Journal of applied microbiology** , Volume: 131 Issue: 1 2021 Jul

Authors Bao CL,Liu SZ,Shang ZD,Liu YJ,Wang J,Zhang WX,Dong B,Cao YH

Antibacterial Activity of Honey Samples from Ukraine.**Veterinary sciences** , Volume: 7 Issue: 4 2020 Nov 20

Authors Cilia G,Fratini F,Marchi M,Saguna S,Turchi B,Adamchuk L,Felicioli A,Kacániová M

Lactobacillus plantarum relieves diarrhea caused by enterotoxin-producing *Escherichia coli* through inflammation modulation and gut microbiota regulation.**Food & function** , Volume: 11 Issue: 12 2020 Dec 1

Authors Yue Y,He Z,Zhou Y,Ross RP,Stanton C,Zhao J,Zhang H,Yang B,Chen W

A Probiotic *Lactobacillus gasseri* Alleviates *Escherichia coli*-Induced Cognitive Impairment and Depression in Mice by Regulating IL-1 β Expression and Gut Microbiota.**Nutrients** , Volume: 12 Issue: 11 2020 Nov 10

Authors Yun SW,Kim JK, Lee KE,Oh YJ,Choi HJ,Han MJ,Kim DH

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

Daily intake of probiotic strain *Bacillus subtilis* DE111 supports a healthy microbiome in children attending day-care.**Beneficial microbes** , Volume: 11 Issue: 7 2020 Nov 15

Authors Paytuí-Gallart A,Sanseverino W,Winger AM

Effects of manganese and *Bacillus subtilis* on the reproductive performance, egg quality, antioxidant capacity, and gut microbiota of breeding geese during laying period.**Poultry science** , Volume: 99 Issue: 11 2020 Nov

Authors Wang Y,Wang H,Wang B,Zhang B,Li W

The in vitro Effects of the Probiotic Strain, *Lactobacillus casei* ZX633 on Gut Microbiota Composition in Infants With Diarrhea.**Frontiers in cellular and infection microbiology** , Volume: 10 2020

Authors Wang X,Zhang M,Wang W,Lv H,Zhang H,Liu Y,Tan Z

Lactobacillus delbrueckii subsp. *bulgaricus* KLDS 1.0207 Exerts Antimicrobial and Cytotoxic Effects in vitro and Improves Blood Biochemical Parameters in vivo Against Notable Foodborne Pathogens.**Frontiers in microbiology** , Volume: 11 2020

Authors Evvie SE,Abdelazez A,Li B,Lu S,Liu F,Huo G

Dietary Epigallocatechin-3-Gallate Alters the Gut Microbiota of Obese Diabetic db/db Mice: *Lactobacillus* Is a Putative Target.**Journal of medicinal food** , Volume: 23 Issue: 10 2020 Oct

Authors Park JM,Shin Y,Kim SH,Jin M,Choi JJ

High oleic peanuts improve parameters leading to fatty liver development and change the microbiota in mice intestine.**Food & nutrition research** , Volume: 64 2020

Authors Bimro ET,Hovav R,Nyska A,Glazer TA,Madar Z

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

Effect of Combined Live Probiotics Alleviating the Gastrointestinal Symptoms of Functional Bowel Disorders.**Gastroenterology research and practice** , Volume: 2020 2020

Authors Shi J,Gao F,Zhang J

Bifidobacterium bifidum TMC3115 ameliorates milk protein allergy in by affecting gut microbiota: A randomized double-blind control trial.**Journal of food biochemistry** , Volume: 44 Issue: 11 2020 Nov

Authors Jing W,Liu Q,Wang W

The Influence of Essential Oils on Gut Microbial Profiles in Pigs.**Animals : an open access journal from MDPI** , Volume: 10 Issue: 10 2020 Sep 24

Authors Ruzauskas M,Bartkiene E,Stankevicius A,Bernatoniene J,Zadeike D,Lele V,Starkute V,Zavistanaviciute P,Grigas

J,Zokaityte E,Pautienius A,Juodeikiene G,Jakstas V

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

Frontiers in microbiology , Volume: 11 2020

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

In Vitro Digestion and Fermentation by Human Fecal Microbiota of Polysaccharides from Flaxseed.

Molecules (Basel, Switzerland) , Volume: 25 Issue: 19 2020 Sep 23

Authors Zhou X,Zhang Z,Huang F,Yang C,Huang Q

Does Curcumin Have a Role in the Interaction between Gut Microbiota and Schistosoma mansoni in Mice?

Pathogens (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 19

Authors Anter A,El-Ghany MA,Abou El Dahab M,Mahana N

Modulatory Effects of Triphala and Manjistha Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

Journal of alternative and complementary medicine (New York, N.Y.) , 2020 Sep 18

Authors Peterson CT,Pourang A,Dhaliwal S,Kohn JN,Uchitel S,Singh H,Mills PJ,Peterson SN,Sivamani RK

Osteoprotective effect of green tea polyphenols and annatto-extracted tocotrienol in obese mice is associated with enhanced microbiome vitamin K(2) biosynthetic pathways.

The Journal of nutritional biochemistry , Volume: 86 2020 Dec

Authors Elmassry MM,Chung E,Cao JJ,Hamood AN,Shen CL

Effect of Alliaceae Extract Supplementation on Performance and Intestinal Microbiota of Growing-Finishing Pig.

Animals : an open access journal from MDPI , Volume: 10 Issue: 9 2020 Sep 2

Authors Sánchez CJ,Martínez-Miró S,Ariza JJ,Madrid J,Orengo J,Aguinaga MA,Baños A,Hernández F

Intervention with kimchi microbial community ameliorates obesity by regulating gut microbiota.

Journal of microbiology (Seoul, Korea) , 2020 Sep 2

Authors Park SE,Kwon SJ,Cho KM,Seo SH,Kim EJ,Unno T,Bok SH,Park DH,Son HS

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

Akkermansia muciniphila uses human milk oligosaccharides to thrive in the early life conditions in vitro.

Scientific reports , Volume: 10 Issue: 1 2020 Aug 31

Authors Kostopoulos I,Elzinga J,Ottman N,Klievink JT,Blijenberg B,Aalvink S,Boeren S,Mank M,Knol J,de Vos WM,Belzer C

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

Impact of Heat-Killed Lactobacillus casei Strain IMAU60214 on the Immune Function of Macrophages in Malnourished Children.

Nutrients , Volume: 12 Issue: 8 2020 Jul 31

Authors Rocha-Ramírez LM,Hernández-Ochoa B,Gómez-Manzo S,Marcial-Quino J,Cárdenas-Rodríguez N,Centeno-Leija S,García-Garibay M

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

The effect of nut consumption (tree nuts and peanuts) on the gut microbiota of humans: a systematic review.

The British journal of nutrition , Volume: 125 Issue: 5 2021 Mar 14

Authors Fitzgerald E,Lambert K,Stanford J,Neale EP

Effect of High versus Low Dairy Consumption on the Gut Microbiome: Results of a Randomized, Cross-Over Study.

Nutrients , Volume: 12 Issue: 7 2020 Jul 17

Authors Swarte JC,Eelderink C,Douwes RM,Said MY,Hu S,Post A,Westerhuis R,Bakker SJL,Harmsen HJM

Curcumin, a Natural Antimicrobial Agent with Strain-Specific Activity.

Pharmaceuticals (Basel, Switzerland) , Volume: 13 Issue: 7 2020 Jul 16

Authors Adamczak A,Ozarowski M,Karpinski TM

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

Journal of agricultural and food chemistry , 2020 Jul 24

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

Enterococcus faecium Modulates the Gut Microbiota of Broilers and Enhances Phosphorus Absorption and Utilization.

Animals : an open access journal from MDPI , Volume: 10 Issue: 7 2020 Jul 20

Authors Wang W,Cai H,Zhang A,Chen Z,Chang W,Liu G,Deng X,Bryden WL,Zheng A

Dietary a-Linolenic Acid-Rich Flaxseed Oil Exerts Beneficial Effects on Polycystic Ovary Syndrome Through Sex Steroid Hormones-Microbiota-Inflammation Axis in Rats.

Frontiers in endocrinology , Volume: 11 2020

Authors Wang T,Sha L,Li Y,Zhu L,Wang Z,Li K,Lu H,Bao T,Guo L,Zhang X,Wang H

Effect of banana pulp dietary fibers on metabolic syndrome and gut microbiota diversity in high-fat diet mice.

Journal of food biochemistry , 2020 Jul 14

Authors Wei G,Ye Y,Yan X,Chao X,Yang F,Wang M,Zhang W,Yuan C,Zeng Q

Antioxidant and antibacterial activities of multiflora honey extracts from the Indonesian Apis cerana bee.

Journal of Taibah University Medical Sciences , Volume: 15 Issue: 3 2020 Jun

Authors Nayaka NMDMW,Fidrianny I,Sukrasno,Hartati R,Singgih M

Soy food intake associates with changes in the metabolome and reduced blood pressure in a gut microbiota dependent manner.

Nutrition, metabolism, and cardiovascular diseases : NMCD , 2020 May 18

Authors Shah RD,Tang ZZ,Chen G,Huang S,Ferguson JF

Green Tea Encourages Growth of <i>Akkermansia muciniphila</i>.

Journal of medicinal food , 2020 Jun 25

Authors Jeong HW,Kim JK,Kim AY,Cho D,Lee JH,Choi JK,Park M,Kim W

Transcriptomic analysis of multi-drug resistant Escherichia coli K-12 strain in response to Lavandula angustifolia essential oil.

3 Biotech , Volume: 10 Issue: 7 2020 Jul

Authors Lai PJ,Ng EV,Yang SK,Moo CL,Low WY,Yap PS,Lim SE,Lai KS

Effects of phenolic and protein extracts from Melipona beecheii honey on pathogenic strains of Escherichia coli and Staphylococcus aureus.

Food science and biotechnology , Volume: 29 Issue: 7 2020 Jul

Authors Ramón-Sierra J,Martínez-Guevara JL,Pool-Yam L,Magaña-Ortiz D,Yam-Puc A,Ortiz-Vázquez E

Rosemary and Tea Tree Essential Oils Exert Antibiofilm Activities In Vitro against Staphylococcus aureus and Escherichia coli.

Journal of food protection , Volume: 83 Issue: 7 2020 Jul 1

Authors Liu T,Wang J,Gong X,Wu X,Liu L,Chi F

Effect of chitooligosaccharides on human gut microbiota and antiglycation.

Carbohydrate polymers , Volume: 242 2020 Aug 15

Authors Liu W,Li X,Zhao Z,Pi X,Meng Y,Fei D,Liu D,Wang X

Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?

Nutrients , Volume: 12 Issue: 6 2020 Jun 12

Authors Knezevic J,Starchl C,Tmava Berisha A,Amrein K

Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.

International journal of molecular sciences , Volume: 21 Issue: 11 2020 Jun 10

Authors Spisni E,Petrocelli G,Imbesi V,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

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

BioMed research international , Volume: 2020 2020

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

Dietary supplementation with Lactobacillus plantarum modified gut microbiota, bile acid profile and glucose homeostasis in weaning piglets.

The British journal of nutrition , Volume: 124 Issue: 8 2020 Oct 28

Authors Lin S,Yang X,Long Y,Zhong H,Wang P,Yuan P,Zhang X,Che L,Feng B,Li J,Zhuo Y,Lin Y,Xu S,Wu D,Fang Z

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPARα signal pathway and gut microbiota.

Applied microbiology and biotechnology , Volume: 104 Issue: 13 2020 Jul

Authors Cai H,Wen Z,Li X,Meng K,Yang P

Prebiotics effects in vitro of polysaccharides from tea flowers on gut microbiota of healthy persons and patients with inflammatory bowel disease.

International journal of biological macromolecules , Volume: 158 2020 May 3

Authors Chen D,Chen G,Chen C,Zeng X,Ye H

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

Lactobacillus paracasei subsp. *paracasei* NTU 101 lyophilized powder improves loperamide-induced constipation in rats.

Heliyon , Volume: 6 Issue: 4 2020 Apr

Authors Chen CL,Chao SH,Pan TM

Lactobacillus plantarum NA136 ameliorates nonalcoholic fatty liver disease by modulating gut microbiota, improving intestinal barrier integrity, and attenuating inflammation.

Applied microbiology and biotechnology , Volume: 104 Issue: 12 2020 Jun

Authors Zhao Z,Chen L,Zhao Y,Wang C,Duan C,Yang G,Niu C,Li S

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

Phytochemical Study and Antibacterial and Antibiotic Modulation Activity of *Punica granatum* (Pomegranate) Leaves.

Scientifica , Volume: 2020 2020

Authors Trabelsi A,El Kaibi MA,Abbassi A,Horchani A,Chekir-Ghedira L,Ghedira K

Lactobacillus reuteri attenuated allergic inflammation induced by HDM in the mouse and modulated gut microbes.

PloS one , Volume: 15 Issue: 4 2020

Authors Li L,Fang Z,Liu X,Hu W,Lu W,Lee YK,Zhao J,Zhang H,Chen W

Consumption of two whole kiwifruit (*Actinide chinensis*) per day improves lipid homeostasis, fatty acid metabolism and gut microbiota in healthy rats.

International journal of biological macromolecules , Volume: 156 2020 Apr 9

Authors Alim A,Li T,Nisar T,Ren D,Liu Y,Yang X

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

Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.

The British journal of nutrition , Volume: 124 Issue: 3 2020 Aug 14

Authors Wang W,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H,He J

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.

Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun

Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B

Short-Term Fermented Soybeans with *Bacillus amyloliquefaciens* Potentiated Insulin Secretion Capacity and Improved Gut Microbiome Diversity and Intestinal Integrity To Alleviate Asian Type 2 Diabetic Symptoms.

Journal of agricultural and food chemistry , Volume: 68 Issue: 46 2020 Nov 18

Authors Jeong DY,Daily JW,Lee GH,Ryu MS,Yang HJ,Jeong SY,Qiu JY,Zhang T,Park S

Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice.

Scientific reports , Volume: 10 Issue: 1 2020 Feb 10

Authors Rodríguez-Daza MC,Daoust L,Boutkrabt L,Pilon G,Varin T,Dudonné S,Levy É,Marette A,Roy D,Desjardins Y

Novel Silver-Platinum Nanoparticles for Anticancer and Antimicrobial Applications.

International journal of nanomedicine , Volume: 15 2020

Authors López Ruiz A,Bartomeu Garcia C,Navarro Gallón S,Webster TJ

Study on the Effect of Capsaicin on the Intestinal Flora through High-Throughput Sequencing.

ACS omega , Volume: 5 Issue: 2 2020 Jan 21

Authors Wang F,Huang X,Chen Y,Zhang D,Chen D,Chen L,Lin J

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

Lactobacillus casei ATCC 393 alleviates Enterotoxigenic *Escherichia coli* K88-induced intestinal barrier dysfunction via TLRs/mast cells pathway.

Life sciences , Volume: 244 2020 Mar 1

Authors Xu C,Yan S,Guo Y,Qiao L,Ma L,Dou X,Zhang B

In vitro digestion and human gut microbiota fermentation of longan pulp polysaccharides as affected by *Lactobacillus fermentum* fermentation.

International journal of biological macromolecules , Volume: 147 2020 Mar 15

Authors Huang F,Hong R,Yi Y,Bai Y,Dong L,Jia X,Zhang R,Wang G,Zhang M,Wu J

Diverse Expression of Antimicrobial Activities Against Bacterial Vaginosis and Urinary Tract Infection Pathogens by Cervicovaginal Microbiota Strains of *Lactobacillus gasseri* and *Lactobacillus crispatus*.

Frontiers in microbiology , Volume: 10 2019

Authors Atassi F,Pho Viet Ahn DL,Lievin-Le Moal V

The Association Between Smoking and Gut Microbiome in Bangladesh.

Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco , Volume: 22 Issue: 8 2020 Jul 16

Authors Nolan-Kenney R,Wu F,Hu J,Yang L,Kelly D,Li H,Jasmine F,Kibriya MG,Parvez F,Shaheen I,Sarwar G,Ahmed A,Eunus M,Islam T,Pei Z,Ahsan H,Chen Y

Biological synthesis of silver nanoparticles using *Rheum ribes* and evaluation of their anticarcinogenic and antimicrobial potential: A novel approach in phytonanotechnology.

Journal of pharmaceutical and biomedical analysis , Volume: 179 2020 Feb 5

Authors Aygün A,Gülbağça F,Nas MS,Alma MH,Çalimli MH,Ustaoglu B,Altunoglu YC,Baloglu MC,Cellat K,Sen F

Dietary *Saccharomyces cerevisiae* boulardii CNCM I-1079 Positively Affects Performance and Intestinal Ecosystem in Broilers during a *Campylobacter jejuni* Infection.

Microorganisms , Volume: 7 Issue: 12 2019 Nov 21

Authors Massacci FR,Lovito C,Tofani S,Tentellini M,Genovese DA,De Leo AAP,Papa P,Magistrali CF,Manuali E,Trabalza-Marinucci M,Moscato L,Forte C

Chemical Composition and Antimicrobial Effectiveness of *Ocimum gratissimum* L. Essential Oil Against Multidrug-Resistant Isolates of *Staphylococcus aureus* and *Escherichia coli*.

Molecules (Basel, Switzerland) , Volume: 24 Issue: 21 2019 Oct 26

Authors Melo RS,Albuquerque Azevedo ÁM,Gomes Pereira AM,Rocha RR,Bastos Cavalcante RM,Carneiro Matos MN,Ribeiro Lopes PH,Gomes GA,Soares Rodrigues TH,Santos HSD,Ponte IL,Costa RA,Brito GS,Catunda Júnior FEA,Carneiro VA

Structural Analysis of Gluco-Oligosaccharides Produced by *Leuconostoc lactis* and Their Prebiotic Effect.

Molecules (Basel, Switzerland) , Volume: 24 Issue: 21 2019 Nov 5

Authors Lee S,Park J,Jang JK,Lee BH,Park YS

Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota.

Nutrients , Volume: 11 Issue: 11 2019 Nov 3

Authors Gomes A,Oudot C,Macià A,Foito A,Carregosa D,Stewart D,Van de Wiele T,Berry D,Motilva MJ,Brenner C,Dos Santos CN

Chitooligosaccharides Prevents the Development of Colitis-Associated Colorectal Cancer by Modulating the Intestinal Microbiota and Mycobiota.

Frontiers in microbiology , Volume: 10 2019

Authors Wu M,Li J,An Y,Li P,Xiong W,Li J,Yan D,Wang M,Zhong G

In vivo safety assessment of *Lactobacillus fermentum* strains, evaluation of their cholesterol-lowering ability and intestinal microbial modulation.

Journal of the science of food and agriculture , Volume: 100 Issue: 2 2020 Jan 30

Authors Thumu SCR,Halami PM

Lactobacillus reuteri DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.

American journal of physiology. Gastrointestinal and liver physiology , 2019 Sep 4

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

Enterococcus faecium NCIMB 10415 administration improves the intestinal health and immunity in neonatal piglets infected by enterotoxigenic *Escherichia coli* K88.

Journal of animal science and biotechnology , Volume: 10 2019

Authors Peng X,Wang R,Hu L,Zhou Q,Liu Y,Yang M,Fang Z,Lin Y,Xu S,Feng B,Li J,Jiang X,Zhuo Y,Li H,Wu D,Che L

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

Inhibition of *Escherichia coli* adhesion to human intestinal Caco-2 cells by probiotic candidate *Lactobacillus plantarum* strain L15.

Microbial pathogenesis , Volume: 136 2019 Nov

Authors Alizadeh Behbahani B,Noshad M,Falah F

[Rebalancing of the gut flora and microbial metabolism is responsible for the anti-arthritis effect of kaempferol.](#)

Acta pharmacologica Sinica , Volume: 41 Issue: 1 2020 Jan

Authors Aa LX,Fei F,Qi Q,Sun RB,Gu SH,Di ZZ,Aa JY,Wang GJ,Liu CX

[Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.](#)

Frontiers in immunology , Volume: 10 2019

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

[Green tea polyphenol \(epigallocatechin-3-gallate\) improves gut dysbiosis and serum bile acids dysregulation in high-fat diet-fed mice.](#)

Journal of clinical biochemistry and nutrition , Volume: 65 Issue: 1 2019 Jul

Authors Ushiroda C,Naito Y,Takagi T,Uchiyama K,Mizushima K,Higashimura Y,Yasukawa Z,Okubo T,Inoue R,Honda A,Matsuzaki Y,Itoh Y

[Synbiotic-like effect of linoleic acid overproducing Lactobacillus casei with berry phenolic extracts against pathogenesis of enterohemorrhagic Escherichia coli.](#)

Gut pathogens , Volume: 11 2019

Authors Tabashsum Z,Peng M,Bernhardt C,Patel P,Carrion M,Biswas D

[Effect of Bay Leaves Essential Oil Concentration on the Properties of Biodegradable Carboxymethyl Cellulose-Based Edible Films.](#)

Materials (Basel, Switzerland) , Volume: 12 Issue: 15 2019 Jul 24

Authors Rincón E,Serrano L,Balu AM,Aguilar JJ,Luque R,García A

[Dietary Factors and Modulation of Bacteria Strains of <i>Akkermansia muciniphila</i> and <i>Faecalibacterium prausnitzii</i>: A Systematic Review.](#)

Nutrients , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

[Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.](#)

PloS one , Volume: 14 Issue: 7 2019

Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgreen B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI

[Effects of a formula with a probiotic Bifidobacterium lactis Supplement on the gut microbiota of low birth weight infants.](#)

European journal of nutrition , Volume: 59 Issue: 4 2020 Jun

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

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

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

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

[Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in <i>Citrobacter rodentium</i>-Infected Mice.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

[The role of short-chain fatty acids in microbiota-gut-brain communication.](#)

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

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

[Fermented Momordica charantia L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.](#)

Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul

Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY

[Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.](#)

The American journal of clinical nutrition , Volume: 109 Issue: 6 2019 Jun 1

Authors Hiel S,Bindels LB,Pachikian BD,Kalala G,Broers V,Zamariola G,Chang BPI,Kambashi B,Rodríguez J,Cani PD,Neyrinck AM,Thissen JP,Luminet O,Bindelle J,Delzenne NM

[Bacillus subtilis Strain DSM 29784 Modulates the Cecal Microbiome, Concentration of Short-Chain Fatty Acids, and Apparent Retention of Dietary Components in Shaver White Chickens during Grower, Developer, and Laying Phases.](#)

Applied and environmental microbiology , Volume: 85 Issue: 14 2019 Jul 15

Authors Nejati M,Habtewold J,Shirley RB,Welsher A,Barton J,Thiery P,Kiarie E

[Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.](#)

PloS one , Volume: 14 Issue: 5 2019

Authors Miljkovic M,Jovanovic S,O`Connor PM,Mirkovic N,Jovcic B,Filipic B,Dinic M,Studholme DJ,Fira D,Cotter PD,Kojic M
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
Home style frying of steak and meat products: Survival of Escherichia coli related to dynamic temperature profiles.

International journal of food microbiology , Volume: 300 2019 Jul 2

Authors Pesciaroli M,Chardon JE,Delfgou EHM,Kuijpers AFA,Wijnands LM,Evers EG

Catalase-mimetic gold nanoparticles inhibit the antagonistic action of Lactobacillus gasseri toward foodborne enteric pathogens in associative cultures.

Journal of environmental science and health. Part C, Environmental carcinogenesis & ecotoxicology reviews , Volume: 37 Issue: 2 2019

Authors Zhu S,Zeng M,Guo W,Feng G,Wu H

Orally administered Lactobacillus casei exhibited several probiotic properties in artificially suckling rabbits.

Asian-Australasian journal of animal sciences , Volume: 33 Issue: 8 2020 Aug 1

Authors Shen XM,Qui HX,Xu XR

Lactobacillus reuteri Reduces the Severity of Experimental Autoimmune Encephalomyelitis in Mice by Modulating Gut Microbiota.

Frontiers in immunology , Volume: 10 2019

Authors He B,Hoang TK,Tian X,Taylor CM,Blanchard E,Luo M,Bhattacharjee MB,Freeborn J,Park S,Couturier J,Lindsey JW,Tran DQ,Rhoads JM,Liu Y

Apple consumption is associated with a distinctive microbiota, proteomics and metabolomics profile in the gut of Dawley Sprague rats fed a high-fat diet.

PloS one , Volume: 14 Issue: 3 2019

Authors Garcia-Mazcorro JF,Pedreschi R,Yuan J,Kawas JR,Chew B,Dowd SE,Noratto G

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

Effects of dietary supplementation of probiotic Enterococcus faecium on growth performance and gut microbiota in weaned piglets.

AMB Express , Volume: 9 Issue: 1 2019 Mar 1

Authors Hu C,Xing W,Liu X,Zhang X,Li K,Liu J,Deng B,Deng J,Li Y,Tan C

Intestinal Morphologic and Microbiota Responses to Dietary <i>Bacillus</i> spp. in a Broiler Chicken Model.

Frontiers in physiology , Volume: 9 2018

Authors Li CL,Wang J,Zhang HJ,Wu SG,Hui QR,Yang CB,Fang RJ,Qi GH

The Inflammatory Response to Enterotoxigenic E. coli and Probiotic E. faecium in a Coculture Model of Porcine Intestinal Epithelial and Dendritic Cells.

Mediators of inflammation , Volume: 2018 2018

Authors Loss H,Aschenbach JR,Tedin K,Ebner F,Lodemann U

Lactobacillus reuteri HCM2 protects mice against Enterotoxigenic Escherichia coli through modulation of gut microbiota.

Scientific reports , Volume: 8 Issue: 1 2018 Nov 30

Authors Wang T,Teng K,Liu G,Liu Y,Zhang J,Zhang X,Zhang M,Tao Y,Zhong J

Linoleic Acids Overproducing Lactobacillus casei Limits Growth, Survival, and Virulence of Salmonella Typhimurium and Enterohaemorrhagic Escherichia coli.

Frontiers in microbiology , Volume: 9 2018

Authors Peng M,Tabashsum Z,Patel P,Bernhardt C,Biswas D

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 <i>Akkermansia muciniphila</i>, an emerging probiotics in the gut, evidence from dietary intervention studies.

Journal of functional foods , Volume: 33 2017 Jun

Authors Zhou K

Simultaneous Supplementation of <i>Bacillus subtilis</i> and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

Determination of Antimicrobial Activity of Some Commercial Fruit (Apple, Papaya, Lemon and Strawberry) Against Bacteria Causing Urinary Tract Infection.

European journal of microbiology & immunology , Volume: 8 Issue: 3 2018 Sep 28

Authors Liya SJ,Siddique R

An exploratory study on the effect of daily fruits and vegetable juice on human gut microbiota.

Food science and biotechnology , Volume: 27 Issue: 5 2018 Oct

Authors Choi YJ, Lee DH, Kim HS, Kim YK

Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased *Akkermansia muciniphila* Population Modulated by Dietary Black Raspberries.

ACS omega , Volume: 3 Issue: 9 2018 Sep 30

Authors Tu P, Bian X, Chi L, Gao B, Ru H, Knobloch TJ, Weghorst CM, Lu K

The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease.

The Journal of pharmacology and experimental therapeutics , Volume: 367 Issue: 3 2018 Dec

Authors Lau WL, Vaziri ND, Nunes ACF, Comeau AM, Langille MG, England W, Khazaeli M, Suematsu Y, Phan J, Whiteson K

Effects of Whole Milk Supplementation on Gut Microbiota and Cardiometabolic Biomarkers in Subjects with and without Lactose Malabsorption.

Nutrients , Volume: 10 Issue: 10 2018 Oct 2

Authors Li X, Yin J, Zhu Y, Wang X, Hu X, Bao W, Huang Y, Chen L, Chen S, Yang W, Shan Z, Liu L

Probiotic *Bacillus amyloliquefaciens* C-1 Improves Growth Performance, Stimulates GH/IGF-1, and Regulates the Gut Microbiota of Growth-Retarded Beef Calves.

Frontiers in microbiology , Volume: 9 2018

Authors Du R, Jiao S, Dai Y, An J, Lv J, Yan X, Wang J, Han B

Lactobacillus acidophilus DDS-1 Modulates the Gut Microbiota and Improves Metabolic Profiles in Aging Mice.

Nutrients , Volume: 10 Issue: 9 2018 Sep 6

Authors Vemuri R, Shinde T, Gundamaraju R, Gondalia SV, Karpe AV, Beale DJ, Martoni CJ, Eri R

Probiotic *Lactobacillus plantarum* Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Wang J, Ji H, Wang S, Liu H, Zhang W, Zhang D, Wang Y

The effect of lavender (*Lavandula angustifolia*) essential oil as a drinking water supplement on the production performance, blood biochemical parameters, and ileal microflora in broiler chickens.

Poultry science , Volume: 98 Issue: 1 2019 Jan 1

Authors Adaszynska-Skwirzynska M, Szczerbinska D

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

Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

Journal of evidence-based integrative medicine , Volume: 23 2018 Jan-Dec

Authors Peterson CT, Vaughn AR, Sharma V, Chopra D, Mills PJ, Peterson SN, Sivamani RK

Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Mayta-Apaza AC, Pottgen E, De Bodd J, Papp N, Marasini D, Howard L, Abranko L, Van de Wiele T, Lee SO, Carbonero F

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Singh A, Zapata RC, Pezeshki A, Reidelberger RD, Chelikani PK

Pectin Alleviates High Fat (Lard) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.

Journal of agricultural and food chemistry , 2018 Jul 20

Authors Li W, Zhang K, Yang H

Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections.

Molecules (Basel, Switzerland) , Volume: 23 Issue: 7 2018 Jul 9

Authors Ebani VV, Nardoni S, Bertelloni F, Pistelli L, Mancianti F

Beneficial effects of the commercial lactic acid bacteria product, Vigis 101, on gastric mucosa and intestinal bacterial flora in rats.

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2018 Jun 23

Authors Kao L,Liu TH,Tsai TY,Pan TM

Composition and metabolism of fecal microbiota from normal and overweight children are differentially affected by melibiose, raffinose and raffinose-derived fructans.

Anaerobe , Volume: 52 2018 Aug

Authors Adamberg K,Adamberg S,Ernits K,Larionova A,Voor T,Jaagura M,Visnapuu T,Alamäe T

High-Glucose or -Fructose Diet Cause Changes of the Gut Microbiota and Metabolic Disorders in Mice without Body Weight Change.

Nutrients , Volume: 10 Issue: 6 2018 Jun 13

Authors Do MH, Lee E, Oh MJ, Kim Y, Park HY

Obesity treatment by epigallocatechin-3-gallate-regulated bile acid signaling and its enriched Akkermansia muciniphila.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 32 Issue: 12 2018 Jun 8

Authors Sheng L, Jena PK, Liu HX, Hu Y, Nagar N, Bronner DN, Settles ML, Bäuml AJ, Wan YY

Identification of Phenolic Compounds-Rich Grape Pomace Extracts Urine Metabolites and Correlation with Gut Microbiota Modulation.

Antioxidants (Basel, Switzerland) , Volume: 7 Issue: 6 2018 Jun 4

Authors Chacar S, Tarighi M, Fares N, Faivre JF, Louka N, Maroun RG

Antagonistic effect of isolated probiotic bacteria from natural sources against intestinal Escherichia coli pathotypes.

Electronic physician , Volume: 10 Issue: 3 2018 Mar

Authors Karimi S, Rashidian E, Birjandi M, Mahmoodnia L

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

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

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

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

Nutrients , Volume: 10 Issue: 5 2018 May 8

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

Role of *Lactobacillus reuteri* in Human Health and Diseases.

Frontiers in microbiology , Volume: 9 2018

Authors Mu Q, Tavella VJ, Luo XM

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

Effects of the Brown Seaweed Laminaria japonica Supplementation on Serum Concentrations of IgG, Triglycerides, and Cholesterol, and Intestinal Microbiota Composition in Rats.

Frontiers in nutrition , Volume: 5 2018

Authors Kim JY, Kwon YM, Kim IS, Kim JA, Yu DY, Adhikari B, Lee SS, Choi IS, Cho KK

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

Properties of Basil and Lavender Essential Oils Adsorbed on the Surface of Hydroxyapatite.

Materials (Basel, Switzerland) , Volume: 11 Issue: 5 2018 Apr 24

Authors Predoi D, Groza A, Iconaru SL, Predoi G, Barbuceanu F, Guegan R, Motelica-Heino MS, Cimpeanu C

The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.

Molecular nutrition & food research , 2018 Apr 17

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

Smoking and the intestinal microbiome.

Archives of microbiology , Volume: 200 Issue: 5 2018 Jul

Authors Savin Z, Kivity S, Yonath H, Yehuda S

Characterization of essential oil from Ocimum gratissimum leaves: Antibacterial and mode of action against selected gastroenteritis pathogens.

Microbial pathogenesis , Volume: 118 2018 May

Authors Chimnoi N, Reuk-Ngam N, Chuysinuan P, Khlaychan P, Khunnawutmanotham N, Chokchaichamnankit D, Thamniyom W, Klayraung S, Mahidol C, Techasakul S

Grape proanthocyanidin-induced intestinal bloom of Akkermansia muciniphila is dependent on its baseline abundance and precedes activation of host genes related to metabolic health.

The Journal of nutritional biochemistry , Volume: 56 2018 Jun

Authors Zhang L, Carmody RN, Kalariya HM, Duran RM, Moskal K, Poulev A, Kuhn P, Tveter KM, Turnbaugh PJ, Raskin I, Roopchand DE

Effects of dietary <i>Bacillus amyloliquefaciens</i> supplementation on growth performance, intestinal morphology, inflammatory response, and microbiota of intra-uterine growth retarded weanling piglets.

Journal of animal science and biotechnology , Volume: 9 2018

Authors Li Y, Zhang H, Su W, Ying Z, Chen Y, Zhang L, Lu Z, Wang T

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

Enhancing syntrophic associations among Clostridium butyricum, Syntrophomonas and two types of methanogen by zero valent iron in an anaerobic assay with a high organic loading.

Bioresource technology , Volume: 257 2018 Jun

Authors Kong X, Yu S, Fang W, Liu J, Li H

Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.

Food & function , Volume: 9 Issue: 3 2018 Mar 1

Authors Zartl B, Silberbauer K, Loeppert R, Viernstein H, Praznik W, Mueller M

Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.

Food & function , 2018 Feb 21

Authors Cheng W, Lu J, Lin W, Wei X, Li H, Zhao X, Jiang A, Yuan J

Phytochemical screening and biological activity of Lamiaceae family plant extracts.

Experimental and therapeutic medicine , Volume: 15 Issue: 2 2018 Feb

Authors Cocan I, Alexa E, Danciu C, Radulov I, Galuscan A, Obistoiu D, Morvay AA, Sumalan RM, Poiana MA, Pop G, Dehelean CA

Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 73 Issue: 1 2018 Mar

Authors Paturi G, Butts CA, Monro JA, Hedderley D

Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.

Carcinogenesis , 2018 Jan 19

Authors Chen L, Jiang B, Zhong C, Guo J, Zhang L, Mu T, Zhang Q, Bi X

The modulatory effect of polyphenols from green tea, oolong tea and black tea on human intestinal microbiota in vitro.

Journal of food science and technology , Volume: 55 Issue: 1 2018 Jan

Authors Sun H, Chen Y, Cheng M, Zhang X, Zheng X, Zhang Z

Transferrin and Lactoferrin - Human Iron Sources for Enterococci.

Polish journal of microbiology , Volume: 66 Issue: 4 2017 Dec 4

Authors Lisiecki P

Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.

The British journal of nutrition , Volume: 119 Issue: 2 2018 Jan

Authors Healey G, Murphy R, Butts C, Brough L, Whelan K, Coad J

Evaluation of the effects of different diets on microbiome diversity and fatty acid composition of rumen liquor in dairy goat.

Animal : an international journal of animal bioscience , 2018 Jan 8

Authors Cremonesi P, Conte G, Severgnini M, Turri F, Monni A, Capra E, Rapetti L, Colombini S, Chessa S, Battelli G, Alves SP, Mele M, Castiglioni B

Thymus mastichina L. essential oils from Murcia (Spain): Composition and antioxidant, antienzymatic and antimicrobial bioactivities.

PloS one , Volume: 13 Issue: 1 2018

Authors Cutillas AB, Carrasco A, Martinez-Gutierrez R, Tomas V, Tudela J

Influence of a diet enriched with virgin olive oil or butter on mouse gut microbiota and its correlation to physiological and biochemical parameters related to metabolic syndrome.

PloS one , Volume: 13 Issue: 1 2018

Authors Prieto I, Hidalgo M, Segarra AB, Martínez-Rodríguez AM, Cobo A, Ramírez M, Abriouel H, Gálvez A, Martínez-Cañamero M

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

Journal of food protection , Volume: 81 Issue: 1 2018 Jan

Authors Wang S, Yao J, Zhou B, Yang J, Chaudry MT, Wang M, Xiao F, Li Y, Yin W

Balancing Herbal Medicine and Functional Food for Prevention and Treatment of Cardiometabolic Diseases through Modulating Gut Microbiota.

Frontiers in microbiology , Volume: 8 2017

Authors Lyu M,Wang YF,Fan GW,Wang XY,Xu SY,Zhu Y

A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

The green tea modulates large intestinal microbiome and exo/endogenous metabolome altered through chronic UVB-exposure.

PloS one , Volume: 12 Issue: 11 2017

Authors Jung ES,Park HM,Hyun SM,Shon JC,Singh D,Liu KH,Whon TW,Bae JW,Hwang JS,Lee CH

An <i>in vitro</i> Comparative Evaluation of Efficacy of Disinfecting Ability of Garlic Oil, Neem Oil, Clove Oil, and Tulsi Oil with autoclaving on Endodontic K Files tested against <i>Enterococcus faecalis</i>.

International journal of clinical pediatric dentistry , Volume: 10 Issue: 3 2017 Jul-Sep

Authors Hugar S,M Patel P,Nagmoti J,Uppin C,Mistry L,Dhariwal N

Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

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

The effects of iron fortification and supplementation on the gut microbiome and diarrhea in infants and children: a review.

The American journal of clinical nutrition , Volume: 106 Issue: Suppl 6 2017 Dec

Authors Paganini D,Zimmermann MB

Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shang W,Si X,Zhou Z,Li Y,Strappe P,Blanchard C

Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.

The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

Decaffeinated green and black tea polyphenols decrease weight gain and alter microbiome populations and function in diet-induced obese mice.

European journal of nutrition , 2017 Sep 30

Authors Henning SM,Yang J,Hsu M,Lee RP,Grojean EM,Ly A,Tseng CH,Heber D,Li Z

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 Semeniac CA,Pop CR,Rotar AM

Essential oils from Taiwan: Chemical composition and antibacterial activity against Escherichia coli.

Journal of food and drug analysis , Volume: 24 Issue: 3 2016 Jul

Authors Lin PC,Lee JJ,Chang JJ

Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier.

American journal of physiology. Endocrinology and metabolism , Volume: 314 Issue: 4 2018 Apr 1

Authors Van Hul M,Geurts L,Plovier H,Druart C,Everard A,Ståhlman M,Rhimi M,Chira K,Teissedre PL,Delzenne NM,Maguin E,Guilbot A,Brochot A,Gérard P,Bäckhed F,Cani PD

A yeast fermentate improves gastrointestinal discomfort and constipation by modulation of the gut microbiome: results from a randomized double-blind placebo-controlled pilot trial.

BMC complementary and alternative medicine , Volume: 17 Issue: 1 2017 Sep 4

Authors Pinheiro I,Robinson L,Verhelst A,Marzorati M,Winkens B,den Abbeele PV,Possemiers S

Lactobacillus plantarum LP-Onlly alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.

Molecular medicine reports , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

Worse inflammatory profile in omnivores than in vegetarians associates with the gut microbiota composition.

Diabetology & metabolic syndrome , Volume: 9 2017

Authors Franco-de-Moraes AC,de Almeida-Pititto B,da Rocha Fernandes G,Gomes EP,da Costa Pereira A,Ferreira SRG

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

Disruption in the cecal microbiota of chickens challenged with Clostridium perfringens and other factors was alleviated by Bacillus licheniformis supplementation.

PloS one , Volume: 12 Issue: 8 2017

Authors Lin Y,Xu S,Zeng D,Ni X,Zhou M,Zeng Y,Wang H,Zhou Y,Zhu H,Pan K,Li G

Microbiota, metabolome, and immune alterations in obese mice fed a high-fat diet containing type 2 resistant starch.

Molecular nutrition & food research , Volume: 61 Issue: 11 2017 Nov

Authors Barouei J,Bendiks Z,Martinic A,Mishchuk D,Heeney D,Hsieh YH,Kieffer D,Zaragoza J,Martin R,Slupsky C,Marco ML

Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.

Nutrition and cancer , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P,Lam V,Salzman N,Huang YW,Yu J,Zhang J,Wang LS

Effect of Soy Isoflavones on Growth of Representative Bacterial Species from the Human Gut.

Nutrients , Volume: 9 Issue: 7 2017 Jul 8

Authors Vázquez L,Flórez AB,Guadamuro L,Mayo B

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

Antibacterial activity and mechanisms of depolymerized fucoidans isolated from Laminaria japonica.

Carbohydrate polymers , Volume: 172 2017 Sep 15

Authors Liu M,Liu Y,Cao MJ,Liu GM,Chen Q,Sun L,Chen H

Green synthesis of tea Ag nanocomposite hydrogels via mint leaf extraction for effective antibacterial activity.

Journal of biomaterials science. Polymer edition , Volume: 28 Issue: 14 2017 Oct

Authors Jayaramudu T,Varaprasad K,Raghavendra GM,Sadiku ER,Mohana Raju K,Amalraj J

Gut Dysbiosis and Neurobehavioral Alterations in Rats Exposed to Silver Nanoparticles.

Scientific reports , Volume: 7 Issue: 1 2017 Jun 6

Authors Javurek AB,Suresh D,Spollen WG,Hart ML,Hansen SA,Ellersieck MR,Bivens NJ,Givan SA,Upendran A,Kannan R,Rosenfeld CS

Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.

Nutrients , Volume: 9 Issue: 6 2017 May 24

Authors Koutsos A,Lima M,Conterno L,Gasperotti M,Bianchi M,Fava F,Vrhovsek U,Lovegrove JA,Tuohy KM

Health benefit of vegetable/fruit juice-based diet: Role of microbiome

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P, Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation.

Food & function , Volume: 8 Issue: 5 2017 May 24

Authors Wang L,Hu L,Yan S,Jiang T,Fang S,Wang G,Zhao J,Zhang H,Chen W

Effect of dietary supplementation with Lactobacillus acidophilus D2/CSL (CECT 4529) on caecum microbioma and productive performance in broiler chickens.

PloS one , Volume: 12 Issue: 5 2017

Authors De Cesare A,Sirri F,Manfreda G,Moniaci P,Giardini A,Zampiga M,Meluzzi A

Comparison of antioxidant, antimicrobial activities and chemical profiles of three coffee (Coffea arabica L.) pulp aqueous extracts.

Integrative medicine research , Volume: 5 Issue: 4 2016 Dec

Authors Duangjai A,Suphrom N,Wungrath J,Ontawong A,Nuengchamnong N,Yosboonruang A

Impact of probiotic Saccharomyces boulardii on the gut microbiome composition in HIV-treated patients: A double-blind, randomised, placebo-controlled trial.

PloS one , Volume: 12 Issue: 4 2017

Authors Villar-García J,Güerri-Fernández R,Moya A,González A,Hernández JJ,Lerma E,Guelar A,Sorli L,Horcajada JP,Artacho A,D Auria G,Knobel H

Antagonistic Activity of *Lactobacillus reuteri* Strains on the Adhesion Characteristics of Selected Pathogens.

Frontiers in microbiology , Volume: 8 2017

Authors Singh TP,Kaur G,Kapila S,Malik RK

Good Bugs vs Bad Bugs: Evaluation of Inhibitory Effect of Selected Probiotics against *Enterococcus faecalis*.

The journal of contemporary dental practice , Volume: 18 Issue: 4 2017 Apr 1

Authors Bohora AA,Kokate SR

Evaluation of Phenolic Compounds and Antioxidant and Antimicrobial Activities of Some Common Herbs.

International journal of analytical chemistry , Volume: 2017 2017

Authors Abdul Qadir M,Shahzadi SK,Bashir A,Munir A,Shahzad S

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

Anti-obesity Effect of Capsaicin in Mice Fed with High-Fat Diet Is Associated with an Increase in Population of the Gut Bacterium *Akkermansia muciniphila*.

Frontiers in microbiology , Volume: 8 2017

Authors Shen W,Shen M,Zhao X,Zhu H,Yang Y,Lu S,Tan Y,Li G,Li M,Wang J,Hu F,Le S

Key bacterial families (Clostridiaceae, Erysipelotrichaceae and Bacteroidaceae) are related to the digestion of protein and energy in dogs.

PeerJ , Volume: 5 2017

Authors Bermingham EN,Macleod P,Thomas DG,Cave NJ,Young W

Raw meat based diet influences faecal microbiome and end products of fermentation in healthy dogs.

BMC veterinary research , Volume: 13 Issue: 1 2017 Feb 28

Authors Sandri M,Dal Monego S,Conte G,Sgorlon S,Stefanon B

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

Epigallocatechin gallate induces a hepatospecific decrease in the CYP3A expression level by altering intestinal flora.

European journal of pharmaceutical sciences : official journal of the European Federation for Pharmaceutical Sciences , Volume: 100 2017 Mar 30

Authors Ikarashi N,Ogawa S,Hirobe R,Kon R,Kusunoki Y,Yamashita M,Mizukami N,Kaneko M,Wakui N,Machida Y,Sugiyama K

Biological activities of *Rosmarinus officinalis* L. (rosemary) extract as analyzed in microorganisms and cells.

Experimental biology and medicine (Maywood, N.J.) , Volume: 242 Issue: 6 2017 Mar

Authors de Oliveira JR,de Jesus D,Figueira LW,de Oliveira FE,Pacheco Soares C,Camargo SE,Jorge AO,de Oliveira LD

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

Early-Life Sugar Consumption Affects the Rat Microbiome Independently of Obesity.

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

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

Gastric microbiota in the functional dyspepsia patients treated with probiotic yogurt

BMJ Open Gastroenterology , Volume: 3 Issue: 1 2016 Sep 16

Authors Nakae H,Tsuda A,Matsuoka T,Mine T,Koga Y

Synthesis and evaluation of anti-inflammatory properties of silver nanoparticle suspensions in experimental colitis in mice.

Chemical biology & drug design , Volume: 89 Issue: 4 2017 Apr

Authors Siczek K,Zatorski H,Chmielowiec-Korzeniowska A,Pulit-Prociak J,Smiech M,Kordek R,Tymczynna L,Banach M,Fichna J

Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.

Scientific reports , Volume: 6 2016 Oct 3

Authors Smith-Brown P,Morrison M,Krause L,Davies PS

Healthy Subjects Differentially Respond to Dietary Capsaicin Correlating with Specific Gut Enterotypes.

The Journal of clinical endocrinology and metabolism , Volume: 101 Issue: 12 2016 Dec

Authors Kang C,Zhang Y,Zhu X,Liu K,Wang X,Chen M,Wang J,Chen H,Hui S,Huang L,Zhang Q,Zhu J,Wang B,Mi M

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

In vitro activity of plant extracts against biofilm-producing food-related bacteria.

International journal of food microbiology , Volume: 238 2016 Dec 5

Authors Nostro A,Guerrini A,Marino A,Tacchini M,Di Giulio M,Grandini A,Akin M,Cellini L,Bisignano G,Saraçoğlu HT

Gut complex carbohydrates and intestinal microflora in broiler chickens fed with oregano (*Origanum vulgare* L.) aqueous extract and vitamin E.

Journal of animal physiology and animal nutrition , Volume: 101 Issue: 4 2017 Aug

Authors Scocco P,Forte C,Franciosi MP,Mercati F,Casagrande-Proietti P,Dall'Aglio C,Acuti G,Tardella FM,Trabalza-Marinucci M

Iron Fortification of Foods for Infants and Children in Low-Income Countries: Effects on the Gut Microbiome, Gut Inflammation, and Diarrhea.

Nutrients , Volume: 8 Issue: 8 2016 Aug 12

Authors Paganini D,Uyoga MA,Zimmermann MB

Consumption of a *Bifidobacterium bifidum* Strain for 4 Weeks Modulates Dominant Intestinal Bacterial Taxa and Fecal Butyrate in Healthy Adults.

Applied and environmental microbiology , Volume: 82 Issue: 19 2016 Oct 1

Authors Gargari G,Taverniti V,Balzaretti S,Ferrario C,Gardana C,Simonetti P,Guglielmetti S

Antimicrobial effects of *Lactobacillus plantarum* and *Lactobacillus acidophilus* against multidrug-resistant enteroaggregative *Escherichia coli*.

International journal of antimicrobial agents , Volume: 48 Issue: 3 2016 Sep

Authors Kumar M,Dhaka P,Vijay D,Vergis J,Mohan V,Kumar A,Kurkure NV,Barbuddhe SB,Malik SV,Rawool DB

Microbial Community of Healthy Thai Vegetarians and Non-Vegetarians, Their Core Gut Microbiota, and Pathogen Risk.

Journal of microbiology and biotechnology , Volume: 26 Issue: 10 2016 Oct 28

Authors Ruengsomwong S,La-Ongkham O,Jiang J,Wannissorn B,Nakayama J,Nitisinprasert S

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

Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with *Lactobacillus plantarum* ZDY2013.

Journal of dairy science , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

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

In Vivo Effects of Tea Polyphenol Intake on Human Intestinal Microflora and Metabolism.

Bioscience, biotechnology, and biochemistry , Volume: 56 Issue: 4 1992 Jan

Authors Okubo T,Ishihara N,Oura A,Serit M,Kim M,Yamamoto T,Mitsuoka T

Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.

Poultry science , Volume: 95 Issue: 11 2016 Nov 1

Authors Forte C,Acuti G,Manuali E,Casagrande Proietti P,Pavone S,Trabalza-Marinucci M,Moscato L,Onofri A,Lorenzetti C,Franciosi MP

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

Lingonberries alter the gut microbiota and prevent low-grade inflammation in high-fat diet fed mice.

Food & nutrition research , Volume: 60 2016

Authors Heyman-Lindén L,Kotowska D,Sand E,Bjursell M,Plaza M,Turner C,Holm C,Fåk F,Berger K

Dietary supplementation of *Rosmarinus officinalis* L. leaves in sheep affects the abundance of rumen methanogens and other microbial populations.

Journal of animal science and biotechnology , Volume: 7 2016

Authors Cobellis G,Yu Z,Forte C,Acuti G,Trabalza-Marinucci M

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

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

A Metagenomics Approach to Evaluate the Impact of Dietary Supplementation with *Ascophyllum nodosum* or *Laminaria digitata* on Rumen Function in Rusitec Fermenters.

Frontiers in microbiology , Volume: 7 2016

Authors Belanche A,Jones E,Parveen I,Newbold CJ

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

Regulatory effect of paraprobiotic *Lactobacillus gasseri* CP2305 on gut environment and function.

Microbial ecology in health and disease , Volume: 27 2016

Authors Sugawara T,Sawada D,Ishida Y,Aihara K,Aoki Y,Takehara I,Takano K,Fujiwara S

Lactobacillus reuteri Inhibition of Enteropathogenic *Escherichia coli* Adherence to Human Intestinal Epithelium.

Frontiers in microbiology , Volume: 7 2016

Authors Walsham AD,Mackenzie DA,Cook V,Wemyss-Holden S,Hews CL,Juge N,Schüller S

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.

Food & function , Volume: 7 Issue: 3 2016 Mar

Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY

Lingonberries reduce atherosclerosis in Apoe(-/-) mice in association with altered gut microbiota composition and improved lipid profile.

Molecular nutrition & food research , Volume: 60 Issue: 5 2016 May

Authors Matziouridou C,Marungruang N,Nguyen TD,Nyman M,Fåk F

In Vitro Antimicrobial Activity of Spices and Medicinal Herbs against Selected Microbes Associated with Juices.

International journal of microbiology , Volume: 2016 2016

Authors Dhiman R,Aggarwal N,Aneja KR,Kaur M

Purification and characteristics of a novel bacteriocin produced by *Enterococcus faecalis* L11 isolated from Chinese traditional fermented cucumber.

Biotechnology letters , Volume: 38 Issue: 5 2016 May

Authors Gao Y,Li B,Li D,Zhang L

Efficacy of oral *Bifidobacterium bifidum* ATCC 29521 on microflora and antioxidant in mice.

Canadian journal of microbiology , Volume: 62 Issue: 3 2016 Mar

Authors Wang BG,Xu HB,Xu F,Zeng ZL,Wei H

Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.

Gut , Volume: 66 Issue: 5 2017 May

Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkourdos I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D

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

Evaluation of probiotic properties of *Lactobacillus plantarum* WLPL04 isolated from human breast milk.

Journal of dairy science , Volume: 99 Issue: 3 2016 Mar

Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X

Antibacterial Activity of Probiotic *Lactobacillus plantarum* HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.

Probiotics and antimicrobial proteins , Volume: 5 Issue: 2 2013 Jun

Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K

Microbial Metabolism Shifts Towards an Adverse Profile with Supplementary Iron in the TIM-2 In vitro Model of the Human Colon.

Frontiers in microbiology , Volume: 6 2015

Authors Kortman GA,Dutilh BE,Maathuis AJ,Engelke UF,Boekhorst J,Keegan KP,Nielsen FG,Betley J,Weir JC,Kingsbury Z,Kluijtmans LA,Swinkels DW,Venema K,Tjalsma H

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

Red wine polyphenols modulate fecal microbiota and reduce markers of the metabolic syndrome in obese patients.**Food & function** , Volume: 7 Issue: 4 2016 Apr

Authors Moreno-Indias I,Sánchez-Alcoholado L,Pérez-Martínez P,Andrés-Lacueva C,Cardona F,Tinahones F,Queipo-Ortuño MI

Role of colonic microbiota in colorectal carcinogenesis: a systematic review.**Revista española de enfermedades digestivas** , Volume: 107 Issue: 11 2015 Nov

Authors Borges-Canha M,Portela-Cidade JP,Dinis-Ribeiro M,Leite-Moreira AF,Pimentel-Nunes P

Effect of Bacillus subtilis CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.**Journal of applied microbiology** , Volume: 120 Issue: 1 2016 Jan

Authors Li Y,Xu Q,Huang Z,Lv L,Liu X,Yin C,Yan H,Yuan J

Brevibacillus laterosporus, a Pathogen of Invertebrates and a Broad-Spectrum Antimicrobial Species.**Insects** , Volume: 4 Issue: 3 2013 Sep 5

Authors Rui L

Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects.**Food & function** , Volume: 7 Issue: 1 2016 Jan

Authors Cuervo A,Hevia A,López P,Suárez A,Díaz C,Sánchez B,Margolles A,González S

Table grape consumption reduces adiposity and markers of hepatic lipogenesis and alters gut microbiota in butter fat-fed mice.**The Journal of nutritional biochemistry** , Volume: 27 2016 Jan

Authors Baldwin J,Collins B,Wolf PG,Martinez K,Shen W,Chuang CC,Zhong W,Cooney P,Cockrell C,Chang E,Gaskins HR,McIntosh MK

[Effect of probiotic product containing bifidobacteria and biogel from brown algae on the intestinal microflora and parameters of innate immunity in mice with experimental drug dysbacteriosis].**Voprosy pitaniia** , Volume: 84 Issue: 1 2015

Authors Kuznetsova TA,Makarenkova ID,Koneva EL,Aminina NM,Yakush EV

Effects of pre-encapsulated and pro-encapsulated Enterococcus faecalis on growth performance, blood characteristics, and cecal microflora in broiler chickens.**Poultry science** , Volume: 94 Issue: 11 2015 Nov

Authors Zhang L,Li J,Yun TT,Qi WT,Liang XX,Wang YW,Li AK

Equol status and changes in fecal microbiota in menopausal women receiving long-term treatment for menopause symptoms with a soy-isoflavone concentrate.**Frontiers in microbiology** , Volume: 6 2015

Authors Guadamuro L,Delgado S,Redruello B,Flórez AB,Suárez A,Martínez-Camblor P,Mayo B

Antimicrobial activity and the presence of virulence factors and bacteriocin structural genes in Enterococcus faecium CM33 isolated from ewe colostrum.**Frontiers in microbiology** , Volume: 6 2015

Authors Nami Y,Haghshenas B,Haghshenas M,Yari Khosroushahi A

Reutericyclin producing Lactobacillus reuteri modulates development of fecal microbiota in weanling pigs.**Frontiers in microbiology** , Volume: 6 2015

Authors Yang Y,Zhao X,Le MH,Zijlstra RT,Gänzle MG

In vitro and in vivo examination of anticolonization of pathogens by Lactobacillus paracasei FJ861111.1**Journal of dairy science** , Volume: 98 Issue: 10 2015 Oct

Authors Deng K,Chen T,Wu Q,Xin H,Wei Q,Hu P,Wang X,Wang X,Wei H,Shah NP

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

The Role of Curcumin in Modulating Colonic Microbiota During Colitis and Colon Cancer Prevention.**Inflammatory bowel diseases** , Volume: 21 Issue: 11 2015 Nov

Authors McFadden RM,Larmonier CB,Shehab KW,Midura-Kiela M,Ramalingam R,Harrison CA,Besselsen DG,Chase JH,Caporaso JG,Jobin C,Ghishan FK,Kiela PR

Gelucire-Based Nanoparticles for Curcumin Targeting to Oral Mucosa: Preparation, Characterization, and Antimicrobial Activity Assessment.**Journal of pharmaceutical sciences** , Volume: 104 Issue: 11 2015 Nov

Authors Hazzah HA,Farid RM,Nasra MMA,Hazzah WA,El-Massik MA,Abdallah OY

Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.**Food & function** , Volume: 6 Issue: 8 2015 Aug

- Authors Li Z,Henning SM, Lee RP, Lu QY, Summanen PH, Thames G, Corbett K, Downes J, Tseng CH, Finegold SM, Heber D**
Chemical Composition and Antioxidant and Antibacterial Activities of an Essential Oil Extracted from an Edible Seaweed, *Laminaria japonica* L.
Molecules (Basel, Switzerland) , Volume: 20 Issue: 7 2015 Jul 2
Authors Patra JK, Das G, Baek KH
Antibacterial activity of herbal extracts against multi-drug resistant *Escherichia coli* recovered from retail chicken meat.
Pakistan journal of pharmaceutical sciences , Volume: 28 Issue: 4 2015 Jul
Authors Shaheen AY, Sheikh AA, Rabbani M, Aslam A, Bibi T, Liaqat F, Muhammad J, Rehmani SF
Dietary modulation of the gut microbiota—a randomised controlled trial in obese postmenopausal women.
The British journal of nutrition , Volume: 114 Issue: 3 2015 Aug 14
Authors Brahe LK, Le Chatelier E, Prifti E, Pons N, Kennedy S, Blædel T, Håkansson J, Dalsgaard TK, Hansen T, Pedersen O, Astrup A, Ehrlich SD, Larsen LH
Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.
Recent patents on food, nutrition & agriculture , Volume: 7 Issue: 1 2015
Authors Ozogul Y, Kuley E, Ucar Y, Ozogul F
Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.
Anaerobe , Volume: 34 2015 Aug
Authors Li Z, Summanen PH, Komoriya T, Henning SM, Lee RP, Carlson E, Heber D, Finegold SM
Effects of dietary linseed oil and propionate precursors on ruminal microbial community, composition, and diversity in Yanbian yellow cattle.
PloS one , Volume: 10 Issue: 5 2015
Authors Li XZ, Park BK, Shin JS, Choi SH, Smith SB, Yan CG
Review article: dietary fibre-microbiota interactions.
Alimentary pharmacology & therapeutics , Volume: 42 Issue: 2 2015 Jul
Authors Simpson HL, Campbell BJ
Effectiveness of inactivation of foodborne pathogens during simulated home pan frying of steak, hamburger or meat strips.
International journal of food microbiology , Volume: 206 2015 Aug 3
Authors Lahou E, Wang X, De Boeck E, Verguldt E, Geeraerd A, Devlieghere F, Uyttendaele M
Bacillus coagulans GBI-30, 6086 Modulates *Faecalibacterium prausnitzii* in Older Men and Women.
The Journal of nutrition , Volume: 145 Issue: 7 2015 Jul
Authors Nyangale EP, Farmer S, Cash HA, Keller D, Chernoff D, Gibson GR
Oral Microbiota Shift after 12-Week Supplementation with *Lactobacillus reuteri* DSM 17938 and PTA 5289; A Randomized Control Trial.
PloS one , Volume: 10 Issue: 5 2015
Authors Romani Vestman N, Chen T, Lif Holgersson P, Öhman C, Johansson I
Antimicrobial agents from selected medicinal plants in Libya.
Chinese journal of integrative medicine , Volume: 22 Issue: 3 2016 Mar
Authors Muhaisen HM, Ab-Mous MM, Ddeeb FA, Rtemi AA, Taba OM, Parveen M
Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.
The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi , Volume: 65 Issue: 4 2015 Apr
Authors Shadnough M, Hosseini RS, Khalilnezhad A, Navai L, Goudarzi H, Vaezjalali M
Effects of the Probiotic *Enterococcus faecium* and Pathogenic *Escherichia coli* Strains in a Pig and Human Epithelial Intestinal Cell Model.
Scientifica , Volume: 2015 2015
Authors Lodemann U, Strahlendorf J, Schierack P, Klingspor S, Aschenbach JR, Martens H
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
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

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

Inhibition of adhesion of intestinal pathogens (Escherichia coli, Vibrio cholerae, Campylobacter jejuni, and Salmonella Typhimurium) by common oligosaccharides.

Foodborne pathogens and disease , Volume: 12 Issue: 4 2015 Apr

Authors Wang S,Wang J,Mou H,Luo B,Jiang X

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY

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

Metagenomic insights into the effects of fructo-oligosaccharides (FOS) on the composition of fecal microbiota in mice.

Journal of agricultural and food chemistry , Volume: 63 Issue: 3 2015 Jan 28

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

Nature of the antimicrobial activity of Lactobacillus casei, Bifidobacterium bifidum and Bifidobacterium animalis against foodborne pathogenic and spoilage microorganisms.

Natural product research , Volume: 29 Issue: 22 2015

Authors de Oliveira CP,da Silva JA,de Siqueira-Júnior JP

In situ prebiotics for weaning piglets: in vitro production and fermentation of potato galacto-rhamnogalacturonan.

Applied and environmental microbiology , Volume: 81 Issue: 5 2015 Mar

Authors Strube ML,Ravn HC,Ingerslev HC,Meyer AS,Boye M

Effects of the probiotic Enterococcus faecium NCIMB 10415 on selected lactic acid bacteria and enterobacteria in co-culture.

Beneficial microbes , Volume: 6 Issue: 3 2015

Authors Starke IC,Zentek J,Vahjen W

In-vitro screening of Malaysian honey from different floral sources for antibacterial activity on human pathogenic bacteria.

African journal of traditional, complementary, and alternative medicines : AJTCAM , Volume: 11 Issue: 2 2014

Authors Ng WJ,Ken KW,Kumar RV,Gunasagaran H,Chandramogan V,Lee YY

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

[Determination of the antimicrobial capacity of green tea (Camellia sinensis) against the potentially pathogenic microorganisms Escherichia coli, Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Candida albicans and Aspergillus niger].

Archivos latinoamericanos de nutrición , Volume: 63 Issue: 3 2013 Sep

Authors Mora A,Pawa J,Chaverri JM,Arias ML

Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults.

The Journal of nutrition , Volume: 144 Issue: 11 2014 Nov

Authors Ferrario C,Taverniti V,Milani C,Fiore W,Laureati M,De Noni I,Stuknyte M,Chouaia B,Riso P,Guglielmetti S

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.

Assessment of Bioautography and Spot Screening of TLC of Green Tea (Camellia) Plant Extracts as Antibacterial and Antioxidant Agents

Indian Journal of Pharmaceutical Sciences , Volume: 76 Issue: 4 2014 Jul-Aug

Authors Bashir S,Khan BM,Babar M,Andleeb S,Hafeez M,Ali S,Khan MF

Active dry Saccharomyces cerevisiae can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.

Journal of dairy science , Volume: 97 Issue: 12 2014 Dec

Authors AlZahal O,Dionissopoulos L,Laarman AH,Walker N,McBride BW

Effect of Bacillus subtilis C-3102 spores as a probiotic feed supplement on growth performance, noxious gas emission, and intestinal microflora in broilers.

Poultry science , Volume: 93 Issue: 12 2014 Dec

Authors Jeong JS,Kim IH

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**Dietary supplementation with soybean oligosaccharides increases short-chain fatty acids but decreases protein-derived catabolites in the intestinal luminal content of weaned Huanjiang mini-piglets.**Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep****Authors Zhou XL,Kong XF,Lian GQ,Blachier F,Geng MM,Yin YL**Effect of prebiotics on the fecal microbiota of elderly volunteers after dietary supplementation of Bacillus coagulans GBI-30, 6086.**Anaerobe , Volume: 30 2014 Dec****Authors Nyangale EP,Farmer S,Keller D,Chernoff D,Gibson GR**Physico-chemical analysis and antimicrobial potential of Apis dorsata, Apis mellifera and Ziziphus jujube honey samples from Pakistan.**Asian Pacific journal of tropical biomedicine , Volume: 4 Issue: 8 2014 Aug****Authors Fahim H,Dasti JI,Ali I,Ahmed S,Nadeem M**Chemical composition and antibacterial activity of Lavandula coronopifolia essential oil against antibiotic-resistant bacteria.**Natural product research , Volume: 29 Issue: 6 2015****Authors Ait Said L,Zahlane K,Ghalbane I,El Messoussi S,Romane A,Cavaleiro C,Salgueiro L**Iron fortification adversely affects the gut microbiome, increases pathogen abundance and induces intestinal inflammation in Kenyan infants.**Gut , Volume: 64 Issue: 5 2015 May****Authors Jaeggi T,Kortman GA,Moretti D,Chassard C,Holding P,Dostal A,Boekhorst J,Timmerman HM,Swinkels DW,Tjalsma H,Njenga J,Mwangi A,Kvalsvig J,Lacroix C,Zimmermann MB**Synbiotic Lactobacillus acidophilus NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial.**FEMS microbiology ecology , Volume: 90 Issue: 1 2014 Oct****Authors van Zanten GC,Krych L,Röytiö H,Forssten S,Lahtinen SJ,Abu Al-Soud W,Sørensen S,Svensson B,Jespersen L,Jakobsen M**Effect of traditional leafy vegetables on the growth of lactobacilli and bifidobacteria.**International journal of food sciences and nutrition , Volume: 65 Issue: 8 2014 Dec****Authors Kassim MA,Bajinath H,Odhav B**Coexpression and secretion of endoglucanase and phytase genes in Lactobacillus reuteri.**International journal of molecular sciences , Volume: 15 Issue: 7 2014 Jul 21****Authors Wang L,Yang Y,Cai B,Cao P,Yang M,Chen Y**Effect of Feeding Bacillus subtilis natto on Hindgut Fermentation and Microbiota of Holstein Dairy Cows.**Asian-Australasian journal of animal sciences , Volume: 27 Issue: 4 2014 Apr****Authors Song DJ,Kang HY,Wang JQ,Peng H,Bu DP**Free-radical scavenging activity and antibacterial impact of Greek oregano isolates obtained by SFE.**Food chemistry , Volume: 165 2014 Dec 15****Authors Stamenic M,Vulic J,Djilas S,Misic D,Tadic V,Petrovic S,Zizovic I**The effect of hydro alcoholic extract of seven plants on cariogenic bacteria—an in vitro evaluation.**Oral health and dental management , Volume: 13 Issue: 2 2014 Jun****Authors Kermanshah H,Kamangar SS,Arami S,Kamalinejad M,Karimi M,Mirsalehian A,Jabalameli F,Fard MJ**Effects of probiotic Enterococcus faecium and Saccharomyces cerevisiae on the faecal microflora of pet rabbits.**The Journal of small animal practice , Volume: 55 Issue: 9 2014 Sep****Authors Benato L,Hastie P,O`Shaughnessy P,Murray JA,Meredith A**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**Analysis of interaction property of calycosin-7-O-β-D-glucoside with human gut microbiota.**Journal of chromatography. B, Analytical technologies in the biomedical and life sciences , Volume: 963 2014 Jul 15****Authors Zhang W,Jiang S,Qian D,Shang EX,Duan JA**Effects of natural honey on polymicrobial culture of various human pathogens.**Archives of medical science : AMS , Volume: 10 Issue: 2 2014 May 12****Authors Al-Waili NS,Al-Waili FS,Akmal M,Ali A,Salom KY,Al Ghamdi AA**Effect of methylglyoxal on multidrug-resistant Pseudomonas aeruginosa.**Frontiers in microbiology , Volume: 5 2014****Authors Hayashi K,Fukushima A,Hayashi-Nishino M,Nishino K**

In vitro assessment of marine Bacillus for use as livestock probiotics.

Marine drugs , Volume: 12 Issue: 5 2014 Apr 30

Authors Prieto ML, O'Sullivan L, Tan SP, McLoughlin P, Hughes H, Gutierrez M, Lane JA, Hickey RM, Lawlor PG, Gardiner GE

Membrane disruption and anti-quorum sensing effects of synergistic interaction between Lavandula angustifolia (lavender oil) in combination with antibiotic against plasmid-conferred multi-drug-resistant Escherichia coli.

Journal of applied microbiology , Volume: 116 Issue: 5 2014 May

Authors Yap PS, Krishnan T, Yap BC, Hu CP, Chan KG, Lim SH

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

A rosemary extract rich in camosic acid selectively modulates caecum microbiota and inhibits β -glucosidase activity, altering fiber and short chain fatty acids fecal excretion in lean and obese female rats.

PloS one , Volume: 9 Issue: 4 2014

Authors Romo-Vaquero M, Selma MV, Larrosa M, Obiol M, García-Villalba R, González-Barrio R, Issaly N, Flanagan J, Roller M, Tomás-Barberán FA, García-Conesa MT

Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.

Food & function , Volume: 5 Issue: 6 2014 Jun

Authors Qiao Y, Sun J, Xia S, Tang X, Shi Y, Le G

454 pyrosequencing reveals changes in the faecal microbiota of adults consuming Lactobacillus casei Zhang

FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun

Authors Zhang J, Wang L, Guo Z, Sun Z, Gesudu Q, Kwok L, Menghebilige, Zhang H

Antibacterial effect of Iranian green-tea-containing mouthrinse vs chlorhexidine 0.2%: an in vitro study.

Oral health & preventive dentistry , Volume: 12 Issue: 2 2014

Authors Ardakani MR, Golmohammadi S, Ayremlou S, Taheri S, Daneshvar S, Meimandi M

Evaluation of the efficacy and safety of a marine-derived Bacillus strain for use as an in-feed probiotic for newly weaned pigs.

PloS one , Volume: 9 Issue: 2 2014

Authors Prieto ML, O'Sullivan L, Tan SP, McLoughlin P, Hughes H, O'Donovan O, Rea MC, Kent RM, Cassidy JP, Gardiner GE, Lawlor PG

RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.

Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr

Authors Tannock GW, Lawley B, Munro K, Sims IM, Lee J, Butts CA, Roy N

Oral administration of Lactobacillus fermentum I5007 favors intestinal development and alters the intestinal microbiota in formula-fed piglets.

Journal of agricultural and food chemistry , Volume: 62 Issue: 4 2014 Jan 29

Authors Liu H, Zhang J, Zhang S, Yang F, Thacker PA, Zhang G, Qiao S, Ma X

Lactobacillus paracasei subsp. paracasei LC01 positively modulates intestinal microflora in healthy young adults.

Journal of microbiology (Seoul, Korea) , Volume: 51 Issue: 6 2013 Dec

Authors Zhang H, Sun J, Liu X, Hong C, Zhu Y, Liu A, Li S, Guo H, Ren F

Antibacterial, antifungal and antioxidant activities of honey collected from Timergara (Dir, Pakistan).

Pakistan journal of pharmaceutical sciences , Volume: 27 Issue: 1 2014 Jan

Authors Zahoor M, Naz S, Sangeen M

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

Association of dietary type with fecal microbiota in vegetarians and omnivores in Slovenia.

European journal of nutrition , Volume: 53 Issue: 4 2014 Jun

Authors Matijašić BB, Obermajer T, Lipoglavšek L, Grabnar I, Avguštin G, Rogelj I

Effects of a probiotic, Enterococcus faecium, on growth performance, intestinal morphology, immune response, and cecal microflora in broiler chickens challenged with Escherichia coli K88.

Poultry science , Volume: 92 Issue: 11 2013 Nov

Authors Cao GT, Zeng XF, Chen AG, Zhou L, Zhang L, Xiao YP, Yang CM

Strict vegetarian diet improves the risk factors associated with metabolic diseases by modulating gut microbiota and reducing intestinal inflammation.

Environmental microbiology reports , Volume: 5 Issue: 5 2013 Oct

Authors Kim MS, Hwang SS, Park EJ, Bae JW

In vitro anti-bacterial and anti-adherence effects of Lactobacillus delbrueckii subsp bulgaricus on Escherichia coli.

Research in pharmaceutical sciences , Volume: 8 Issue: 4 2013 Oct

Authors Abedi D,Feizizadeh S,Akbari V,Jafarian-Dehkordi A

Antioxidant, antibacterial and ACE-inhibitory activity of four monofloral honeys in relation to their chemical composition.

Food & function , Volume: 4 Issue: 11 2013 Nov

Authors León-Ruiz V,González-Porto AV,Al-Habsi N,Vera S,San Andrés MP,Jauregi P

Probiotic features of two oral Lactobacillus isolates.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1

2012 Jan

Authors Zavisic G,Petricevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I

Antimicrobial activity of essential oils against vancomycin-resistant enterococci (vre) and Escherichia coli o157:h7 in feta soft cheese and minced beef meat.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 42 Issue: 1

2011 Jan

Authors Selim S

Bacteriocins produced by L. Fermentum and L. Acidophilus can inhibit cephalosporin resistant e. Coli.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 41 Issue: 3

2010 Jul

Authors Riaz S,Kashif Nawaz S,Hasnain S

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

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

Lowbush wild blueberries have the potential to modify gut microbiota and xenobiotic metabolism in the rat colon.

PloS one , Volume: 8 Issue: 6 2013

Authors Lacombe A,Li RW,Klimis-Zacas D,Kristo AS,Tadepalli S,Krauss E,Young R,Wu VC

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

Green tea as an effective antimicrobial for urinary tract infections caused by Escherichia coli.

Frontiers in microbiology , Volume: 4 2013

Authors Reygaert W,Jusuifi I

Antibacterial activity of selected Malaysian honey.

BMC complementary and alternative medicine , Volume: 13 2013 Jun 10

Authors Zainol MI,Mohd Yusoff K,Mohd Yusof MY

Phytochemical Screening and Antimicrobial Activity of Some Medicinal Plants Against Multi-drug Resistant Bacteria from Clinical Isolates.

Indian journal of pharmaceutical sciences , Volume: 74 Issue: 5 2012 Sep

Authors Dahiya P,Purkayastha S

Effects of vanillin, quillaja saponin, and essential oils on in vitro fermentation and protein-degrading microorganisms of the rumen.

Applied microbiology and biotechnology , Volume: 98 Issue: 2 2014 Jan

Authors Patra AK,Yu Z

In vitro probiotic properties of Lactobacillus fermentum SK5 isolated from vagina of a healthy woman.

Anaerobe , Volume: 22 2013 Aug

Authors Kaewnopparat S,Dangmanee N,Kaewnopparat N,Srichana T,Chulasiri M,Settharaksa S

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

Antibacterial activity and mode of action of ferulic and gallic acids against pathogenic bacteria.

Microbial drug resistance (Larchmont, N.Y.) , Volume: 19 Issue: 4 2013 Aug

Authors Borges A,Ferreira C,Saavedra MJ,Simões M

Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.

FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun

Authors Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS

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

Decontamination of Salmonella, Shigella, and Escherichia coli O157:H7 from leafy green vegetables using edible plant extracts.

Journal of food science , Volume: 78 Issue: 2 2013 Feb

Authors Orue N,García S,Feng P,Heredia N

AFM probing the mechanism of synergistic effects of the green tea polyphenol (-)-epigallocatechin-3-gallate (EGCG) with cefotaxime against extended-spectrum beta-lactamase (ESBL)-producing Escherichia coli.

PloS one , Volume: 7 Issue: 11 2012

Authors Cui Y,Kim SH,Kim H,Yeom J,Ko K,Park W,Park S

In vitro fermentation of commercial α -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

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,Hilferl M,Jirovetz L,Buchbauer G,Gochev V,Girova T,Stoyanova A,Geissler M

Assessment of the in vitro inhibitory activity of specific probiotic bacteria against different Escherichia coli strains.

Journal of clinical gastroenterology , Volume: 46 Suppl 2012 Oct

Authors Mogna L,Del Piano M,Deidda F,Nicola S,Soattini L,Debiaggi R,Sforza F,Strozzi G,Mogna G

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

Report: Studies on antibacterial activity of some traditional medicinal plants used in folk medicine.

Pakistan journal of pharmaceutical sciences , Volume: 25 Issue: 3 2012 Jul

Authors Israr F,Hassan F,Naqvi BS,Azhar I,Jabeen S,Hasan SM

Thymol nanospheres as an effective anti-bacterial agent.

International journal of pharmaceutics , Volume: 434 Issue: 1-2 2012 Sep 15

Authors Wattanasatcha A,Rengpipat S,Wanichwecharungruang S

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

Effect of garlic powder on the growth of commensal bacteria from the gastrointestinal tract.

Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 19 Issue: 8-9 2012 Jun 15

Authors Filocamo A,Nueno-Palop C,Bisignano C,Mandalari G,Narbad A

Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr

Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM

Changes in gut microbiota in children with atopic dermatitis administered the bacteria Lactobacillus casei DN-114001.

Polish journal of microbiology , Volume: 60 Issue: 4 2011

Authors Klewicka E,Cukrowska B,Libudzisz Z,Slizewska K,Motyl I

[Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.](#)

The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14

Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA

[Synthesis and characterization of chitosan and grape polyphenols stabilized palladium nanoparticles and their antibacterial activity.](#)

Colloids and surfaces. B, Biointerfaces , Volume: 92 2012 Apr 1

Authors Amarnath K,Kumar J,Reddy T,Mahesh V,Ayyappan SR,Nellore J

[Antioxidant and antibacterial properties of green, black, and herbal teas of Camellia sinensis.](#)

Pharmacognosy research , Volume: 3 Issue: 4 2011 Oct

Authors Chan EW,Soh EY,Tie PP,Law YP

[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

[Faecal microbiota composition in vegetarians: comparison with omnivores in a cohort of young women in southern India.](#)

The British journal of nutrition , Volume: 108 Issue: 6 2012 Sep 28

Authors Kabeerdoss J,Devi RS,Mary RR,Ramakrishna BS

[Effects of non-fermented and fermented soybean milk intake on faecal microbiota and faecal metabolites in humans.](#)

International journal of food sciences and nutrition , Volume: 63 Issue: 4 2012 Jun

Authors Inoguchi S,Ohashi Y,Narai-Kanayama A,Aso K,Nakagaki T,Fujisawa T

[The effect of probiotics on faecal microbiota and genotoxic activity of faecal water in patients with atopic dermatitis: a randomized, placebo-controlled study.](#)

Clinical nutrition (Edinburgh, Scotland) , Volume: 31 Issue: 1 2012 Feb

Authors Roessler A,Forssten SD,Glei M,Ouwehand AC,Jahreis G

[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

[Effect of grape polyphenols on lactic acid bacteria and bifidobacteria growth: resistance and metabolism.](#)

Food microbiology , Volume: 28 Issue: 7 2011 Oct

Authors Tabasco R,Sánchez-Patán F,Monagas M,Bartolomé B,Victoria Moreno-Arribas M,Peláez C,Requena T

[A vegan or vegetarian diet substantially alters the human colonic faecal microbiota.](#)

European journal of clinical nutrition , Volume: 66 Issue: 1 2012 Jan

Authors Zimmer J,Lange B,Frick JS,Sauer H,Zimmermann K,Schwartz A,Rusch K,Klosterhalfen S,Enck P

[Influence of a probiotic soy product on fecal microbiota and its association with cardiovascular risk factors in an animal model.](#)

Lipids in health and disease , Volume: 10 2011 Jul 29

Authors Cavallini DC,Suzuki JY,Abdalla DS,Vendramini RC,Pauly-Silveira ND,Roselino MN,Pinto RA,Rossi EA

[Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.](#)

Pharmaceutical biology , Volume: 49 Issue: 4 2011 Apr

Authors Özçelik B,Kartal M,Orhan I

[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

[Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.](#)

Molecules (Basel, Switzerland) , Volume: 15 Issue: 11 2010 Oct 27

Authors Sokovic M,Glamoclija J,Marin PD,Brkic D,van Griensven LJ

[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,Holtrup 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

Feed supplementation of Lactobacillus plantarum PCA 236 modulates gut microbiota and milk fatty acid composition in dairy goats—a preliminary study.

International journal of food microbiology , Volume: 141 Suppl 1 2010 Jul 31

Authors Maragkoudakis PA,Mountzouris KC,Rosu C,Zoumpopoulou G,Papadimitriou K,Dalaka E,Hadjipetrou A,Theofanous G,Strozzi GP,Carlini N,Zervas G,Tsakalidou E

Effect of apple intake on fecal microbiota and metabolites in humans.

Anaerobe , Volume: 16 Issue: 5 2010 Oct

Authors Shinohara K,Ohashi Y,Kawasumi K,Terada A,Fujisawa T

Justification for the use of Ocimum gratissimum L in herbal medicine and its interaction with disc antibiotics.

BMC complementary and alternative medicine , Volume: 9 2009 Sep 28

Authors Nweze EI,Eze EE

In vitro effects of selected synbiotics on the human faecal microbiota composition.

FEMS microbiology ecology , Volume: 66 Issue: 3 2008 Dec

Authors Saulnier DM,Gibson GR,Kolida S

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,Sánchez C,Battle 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

Final report on the safety assessment of capsicum annuum extract, capsicum annuum fruit extract, capsicum annuum resin, capsicum annuum fruit powder, capsicum frutescens fruit, capsicum frutescens fruit extract, capsicum frutescens resin, and capsaicin.

International journal of toxicology , Volume: 26 Suppl 1 2007

Authors

Impact of consumption of different levels of Bifidobacterium lactis HN019 on the intestinal microflora of elderly human subjects.

The journal of nutrition, health & aging , Volume: 11 Issue: 1 2007 Jan-Feb

Authors Ahmed M,Prasad J,Gill H,Stevenson L,Gopal P

Effects of Bifidobacterium lactis Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.

Journal of clinical microbiology , Volume: 44 Issue: 11 2006 Nov

Authors Mohan R,Koebnick C,Schildt J,Schmidt S,Mueller M,Possner M,Radke M,Blaut M

Effect of tea phenolics and their aromatic fecal bacterial metabolites on intestinal microbiota.

Research in microbiology , Volume: 157 Issue: 9 2006 Nov

Authors Lee HC,Jenner AM,Low CS,Lee YK

Antibacterial activity of the soy isoflavone genistein.

Journal of basic microbiology , Volume: 46 Issue: 4 2006

Authors Hong H,Landauer MR,Foriska MA,Ledney GD

[Antibacterial action of ether oils of some plants].

Zhurnal mikrobiologii, epidemiologii i immunobiologii , Issue: 3 2006 May-Jun

Authors Khaldun AO

Antimicrobial and antiplasmid activities of essential oils.

Fitoterapia , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z,Molnar J,Hohmann J

Vaginal Lactobacillus isolates inhibit uropathogenic Escherichia coli.

FEMS microbiology letters , Volume: 257 Issue: 1 2006 Apr

Authors Atassi F,Brassart D,Grob P,Graf F,Servin AL

Isoflavones and functional foods alter the dominant intestinal microbiota in postmenopausal women.

The Journal of nutrition , Volume: 135 Issue: 12 2005 Dec

Authors Clavel T,Fallani M,Lepage P,Levenez F,Mathey J,Rochet V,Sérézat M,Sutren M,Henderson G,Bennetau-Pelissero C,Tondu F,Blaut M,Doré J,Coxam V

Red wine polyphenols influence carcinogenesis, intestinal microflora, oxidative damage and gene expression profiles of colonic mucosa in F344 rats.

Mutation research , Volume: 591 Issue: 1-2 2005 Dec 11

Authors Dolara P,Luceri C,De Filippo C,Femia AP,Giovannelli L,Caderni G,Cecchini C,Silvi S,Orpianesi C,Cresci A

Synergistic antimicrobial activity of tea & antibiotics.**The Indian journal of medical research** , Volume: 122 Issue: 1 2005 Jul

Authors Tiwari TP,Bharti SK,Kaur HD,Dikshit RP,Hoondal GS

Chemical compositions and antibacterial effects of essential oils of Turkish oregano (*Origanum minutiflorum*), bay laurel (*Laurus nobilis*), Spanish lavender (*Lavandula stoechas* L.), and fennel (*Foeniculum vulgare*) on common foodborne pathogens.**Journal of agricultural and food chemistry** , Volume: 52 Issue: 26 2004 Dec 29

Authors Dadaloglu I,Evrendilek GA

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

[Antibacterial activity of essential oils on microorganisms isolated from urinary tract infection].**Revista de saude publica** , Volume: 38 Issue: 2 2004 Apr

Authors Pereira RS,Sumita TC,Furlan MR,Jorge AO,Ueno M

Antimicrobial activity of extracts of local cough mixtures on upper respiratory tract bacterial pathogens.**The West Indian medical journal** , Volume: 52 Issue: 3 2003 Sep

Authors Adeleye IA,Opiah L

Enteral feeding of premature infants with *Saccharomyces boulardii*.**Early human development** , Volume: 74 Issue: 2 2003 Nov

Authors Costalos C,Skouteri V,Gounaris A,Sevastiadou S,Triandafilidou A,Ekonomidou C,Kontaxaki F,Petrochilou V

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

Victivallis vadensis gen. nov., sp. nov., a sugar-fermenting anaerobe from human faeces.**International journal of systematic and evolutionary microbiology** , Volume: 53 Issue: Pt 1 2003 Jan

Authors Zoetendal EG,Plugge CM,Akkermans AD,de Vos WM

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

Evaluation of N-acetylchitooligosaccharides as the main carbon sources for the growth of intestinal bacteria.**FEMS microbiology letters** , Volume: 209 Issue: 1 2002 Mar 19

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

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

Inhibition by the essential oils of peppermint and spearmint of the growth of pathogenic bacteria.**Microbios** , Volume: 106 Suppl 1 2001

Authors Imai H,Osawa K,Yasuda H,Hamashima H,Arai T,Sasatsu M

Probiotic activities of *Lactobacillus casei* rhamnosus: in vitro adherence to intestinal cells and antimicrobial properties.**Research in microbiology** , Volume: 152 Issue: 2 2001 Mar

Authors Forestier C,De Champs C,Vatoux C,Joly B

Probiotics in foods not containing milk or milk constituents, with special reference to *Lactobacillus plantarum* 299v.**The American journal of clinical nutrition** , Volume: 73 Issue: 2 Suppl 2001 Feb

Authors Molin G

Saccharomyces boulardii stimulates sIgA production and the phagocytic system of gnotobiotic mice.**Journal of applied microbiology** , Volume: 89 Issue: 3 2000 Sep

Authors Rodrigues AC,Cara DC,Fretez SH,Cunha FQ,Vieira EC,Nicoli JR,Vieira LQ

Screening of some Palestinian medicinal plants for antibacterial activity.**Journal of ethnopharmacology** , Volume: 70 Issue: 3 2000 Jun

Authors Essawi T,Srouf M

Antibacterial activity of garlic powder against *Escherichia coli* O-157.**Journal of nutritional science and vitaminology** , Volume: 45 Issue: 6 1999 Dec

Authors Sasaki J,Kita T,Ishita K,Uchisawa H,Matsue H

Antibacterial activity of *Ocimum gratissimum* L. essential oil.**Memorias do Instituto Oswaldo Cruz** , Volume: 94 Issue: 5 1999 Sep-Oct

Authors Nakamura CV,Ueda-Nakamura T,Bando E,Melo AF,Cortez DA,Dias Filho BP

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

Does probiotics administration decrease serum endotoxin levels in infants?

Journal of pediatric surgery , Volume: 34 Issue: 2 1999 Feb

Authors Urao M,Fujimoto T,Lane GJ,Seo G,Miyano T

The effect of consumption of milk fermented by Lactobacillus casei strain Shirota on the intestinal microflora and immune parameters in humans.

European journal of clinical nutrition , Volume: 52 Issue: 12 1998 Dec

Authors Spanhaak S,Havenaar R,Schaafsma G

Public health hazards from small ruminant meat products in Europe.

Revue scientifique et technique (International Office of Epizootics) , Volume: 16 Issue: 2 1997 Aug

Authors Pépin M,Russo P,Pardon P

Bromelain prevents secretion caused by Vibrio cholerae and Escherichia coli enterotoxins in rabbit ileum in vitro.

Gastroenterology , Volume: 113 Issue: 1 1997 Jul

Authors Mynott TL,Guandalini S,Raimondi F,Fasano A

Antidiarrhoeal activities of Ocimum gratissimum (Lamiaceae).

Journal of diarrhoeal diseases research , Volume: 14 Issue: 4 1996 Dec

Authors Ilori M,Sheteolu AO,Omonigbehin EA,Adeneye AA

Antimicrobial evaluation of some plants used in Mexican traditional medicine for the treatment of infectious diseases.

Journal of ethnopharmacology , Volume: 53 Issue: 3 1996 Sep

Authors Navarro V,Villarreal ML,Rojas G,Lozoya X

Purification and characterization of a component produced by Lactobacillus fermentum that inhibits the adhesion of K88 expressing Escherichia coli to porcine ileal mucus.

The Journal of applied bacteriology , Volume: 80 Issue: 3 1996 Mar

Authors Ouwehand AC,Conway PL

Antimicrobial compounds from Lactobacillus casei and Lactobacillus helveticus.

The new microbiologica , Volume: 16 Issue: 2 1993 Apr

Authors Vescovo M,Scolari GL,Caravaggi L,Bottazzi V

Antimicrobial and antioxidant activities of unripe papaya.

Life sciences , Volume: 53 Issue: 17 1993

Authors Osato JA,Santiago LA,Remo GM,Cuadra MS,Mori A

The effect of a probiotic on faecal and liver lipid classes in rats.

The British journal of nutrition , Volume: 73 Issue: 5 1995 May

Authors Fukushima M,Nakano M

[Antibacterial and bactericidal activities of Japanese green tea].

Nihon saikingaku zasshi. Japanese journal of bacteriology , Volume: 44 Issue: 4 1989 Jul

Authors Toda M,Okubo S,Ohnishi R,Shimamura T

Inhibitory and stimulatory effects of cumin, oregano and their essential oils on growth and acid production of Lactobacillus plantarum and Leuconostoc mesenteroides.

International journal of food microbiology , Volume: 13 Issue: 1 1991 May

Authors Kivanç M,Akgül A,Dogan A

Diet and faecal flora in the newborn: iron.

Archives of disease in childhood , Volume: 66 Issue: 12 1991 Dec

Authors Balmer SE,Wharton BA

Effects of probiotic Enterococcus faecium NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing

Animal Feed Science and Technology , Volume: 201 2015 Mar

Authors Edward Alain B.Pajarillo,Dae-Kyung Kang,Chan-Soo Park,Hyeun Bum Kim,Marilen P Balolong

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1

Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

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Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
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Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy

erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
Lymphoma
Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis

Osteoporosis
pancreatic cancer
Parkinson's Disease
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA), Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
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Sjögren syndrome
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