

Microbiome Information for: Chronic Urticaria (Hives)

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 have found that symptoms and symptom severity has strong associations to the microbiome for many conditions. Correcting the microbiome dysfunction is believed 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 is received.

In the USA

Ombre (<https://www.ombrelab.com/>)
Thorne (<https://www.thorne.com/products/dp/gut-health-test>)
Worldwide: BiomeSight (<https://biomesight.com>) - Discount Code 'MICRO'

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229
Email: Research@MicrobiomePrescription.com

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Chronic Urticaria (Hives)

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

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Actinomycetes	class	High	1760	Enterobacterales	order	High	91347
Bacteroidia	class	Low	200643	Lactobacillales	order	High	186826
Clostridium	genus	High	1485	Pseudomonadales	order	High	72274
Escherichia	genus	High	561	[Clostridium] leptum	species	Low	1535
Faecalibacterium	genus	Low	216851	Akkermansia muciniphila	species	Low	239935
Lachnospacterium	genus	Low	140625	Bacteroides fragilis	species	Low	817
Prevotella	genus	Low	838	Escherichia coli	species	High	562
Streptococcus	genus	High	1301	Faecalibacterium prausnitzii	species	Low	853
Sutterella	genus	High	40544	Phocaeicola plebeius	species	Low	310297
Veillonella	genus	High	29465	Segatella copri	species	Low	165179

Substance to Consider Adding or Taking

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

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

2-Amino-4-(methylthio)butanoic acid {Methionine}	5 gram/day	high red meat
Ceratonia siliqua {carob}		Nicotine, Nicotine Patch
d-galactose {milk sugar}		nicotinic acid {Vitamin B-3} 3000 mg/day
D-ribofuranoside {Ribose}	10 gram/day	refined wheat breads
Escherichia coli cryodesiccata {colinfant probiotics}		Sleep apnea {partial sleep deprivation}
Escherichia coli:DSM 16441-16448 {symbioflor-2}		Sucralose {Splenda} 340 mg/day
Ethyl alcohol {Grain alcohol}		Tributyrin
Ferrum {Iron Supplements}	400 mg/day	Under cooked animal protein {Rare meat}

Retail Probiotics

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

symbiopharm / symbioflo 2

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

Substance to Consider Reducing or Eliminating

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

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

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine}	Lactobacillus plantarum {L. plantarum}
(2->1)-beta-D-fructofuranan {Inulin}	lactobacillus rhamnosus gg.bifidobacterium animalis lactis
Abstention from eating {Fasting}	,lactobacillus paracasei {cvs maximum strength probiotic}
allium sativum {garlic}	Lavandula angustifolia {lavender}
arabinogalactan {arabinogalactan}	Limosilactobacillus reuteri {L. Reuteri}
bacillus	long-term, moderate-intensity exercise {exercise}
bacillus subtilis {B.Subtilis }	Metha family {Mint}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Moringa Oleifera
bifidobacterium	oligosaccharides {oligosaccharides}
Bifidobacterium animalis subsp. lactis {B. Lactis}	origanum vulgare {oregano}
bifidobacterium longum {B.Longum }	Outer Layers of Triticum aestivum {Wheat Bran}
Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}	pectin {pectin}
Cinnamomum zeylanicum {Ceylon Cinnamon}	polyphenols
Citrus limon {Lemon}	Propolis {Bee glue}
Coffee	Punica granatum {pomegranate}
D(-)-Fructose {Fruit sugar}	red wine
Diferuloylmethane {Curcumin}	resistant starch
Epicatechin {Green tea polyphenol}	Riboflavin {Vitamin B2}
fruit	rosmarinus officinalis {rosemary}
fruit/legume fibre	Saccharomyces cerevisiae var boulardii {S. boulardii}
fucoidan {Brown Algae Extract}	soy
green tea	β-(1?4)-linked D-glucosamine and N-acetyl-D-glucosamine {Chitosan}
Hericium erinaceus {Lion's Mane Mushroom }	β-glucan {Beta-Glucan}
kefir	Sulforaphane {Dark Greens}
Lacticaseibacillus casei {L. casei}	tea
Lacticaseibacillus paracasei {L.paracasei}	Thymus vulgaris {thyme}
Lacticaseibacillus rhamnosus {l. rhamnosus}	vitamin d
lactobacillus acidophilus {L. acidophilus}	wheat
lactobacillus paracasei,lactobacillus acidophilus,bifidobacterium animalis	yogurt
	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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

Altered Gut Microbiota Diversity and Composition in Chronic Urticaria.

Disease markers , Volume: 2019 2019

Authors Lu T,Chen Y,Guo Y,Sun J,Shen W,Yuan M,Zhang S,He P,Jiao X

Association of altered gut microbiota composition with chronic urticaria.

Annals of allergy, asthma & immunology : official publication of the American College of Allergy, Asthma, & Immunology , Volume: 119 Issue: 1 2017 Jul

Authors Nabizadeh E,Jazani NH,Bagheri M,Shahabi S

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

Prevotella copri-mediated caffeine metabolism involves ferroptosis of osteoblasts in osteoarthritis.

Microbiology spectrum , 2025 Apr 24

Authors Li F,Wen X,Xue P,Xu H,Wu P,Xu Z,Wang X,Pi G

Alcohol exposure alters the diversity and composition of oral microbiome.

Frontiers in cellular and infection microbiology , Volume: 15 2025

Authors Zhao Z,Li J,Liu J,Zhang X,Qie Y,Sun Y,Liu N,Liu Q

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

Associations of alcohol with the human gut microbiome and prospective health outcomes in the FINRISK 2002 cohort.

European journal of nutrition , Volume: 64 Issue: 4 2025 Apr 11

Authors Koponen K,McDonald D,Jousilahti P,Meric G,Inouye M,Lahti L,Niranen T,Männistö S,Havulinna A,Knight R,Salomaa V

Dry ginger and Schisandra chinensis modulate intestinal flora and bile acid metabolism to treatment asthma.

Frontiers in microbiology , Volume: 16 2025

Authors Yu Y,Geng S,Bu C,Cao G,Han Y,Xie D,Hong Y

Structural characterization of β-glucan in Hericium erinaceus pretreated by steam explosion and its effects on human gut microbiota in vitro.

Food chemistry , Volume: 482 2025 Apr 4

Authors Chen S,Ling B,Liu X,Liu L,Feng J,Zhang J,Yang Y,Wu D,Guo Q,Liu Y

Effects of Lacticaseibacillus paracasei K56 on perceived stress among pregraduate students: a double-blind, randomized, placebo-controlled trial.

Frontiers in nutrition , Volume: 12 2025

Authors Guan Y,Zhu R,Zhao W,Wang L,You L,Zeng Z,Jiang Q,Zhu Z,Gou J,Zhang Q,Guo J,Li K,Zhao L,Li Y,Wang P,Fang B,Hung W,He J,Zhang L,Wang R,He J

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

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

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

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

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

Microorganisms , Volume: 13 Issue: 2 2025 Jan 30

Authors Bandow 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

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

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

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

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

Effects of supplementation with vitamin D(3) on growth performance, lipid metabolism and cecal microbiota in broiler chickens.

Frontiers in veterinary science , Volume: 12 2025

Authors Li J,Li X,Tian J,Xu L,Chen Y,Jiang S,Zhang G,Lu J

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

Oat β-glucan enhances gut barrier function and maintains intestinal homeostasis in naturally aging mice.

International journal of biological macromolecules , Volume: 305 Issue: Pt 1 2025 Feb 15

Authors Huang R,Zhang J,Sun M,Xu L,Kuang H,Xu C,Guo L

Effects of Kefir Consumption on Gut Microbiota and Athletic Performance in Professional Female Soccer Players: A Randomized Controlled Trial.

Nutrients , Volume: 17 Issue: 3 2025 Jan 30

Authors Önen E,Zavotçu M,Nisan N,Bas M,Saglam D

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,Radács I,Juhász Á

The Molecular Weight of Enzymatically Modified Pectic Oligosaccharides from Apple Pomace as a Determinant for Biological and Prebiotic Activity.

Molecules (Basel, Switzerland) , Volume: 30 Issue: 1 2024 Dec 26

Authors Wilkowska A,Nowak A,Motyl I,Oracz J

Oat Beta-Glucans Modulate the Gut Microbiome, Barrier Function, and Immune Responses in an In Vivo Model of Early-Stage Colorectal Cancer.

International journal of molecular sciences , Volume: 25 Issue: 24 2024 Dec 19

Authors Guzowska M,Dziendzikowska K,Kopiasz L,Gajewska M,Wilczak J,Harasym J,Czerwinska M,Gromadzka-Ostrowska J

Antimicrobial activities of seasonally collected bee products: honey, propolis, royal jelly, venom, and mellitin.

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

Authors Obeidat M,Haddad MA,Ghnamat SA

Effect of *Lactobacillus paracasei* LK01 on Growth Performance, Antioxidant Capacity, Immunity, Intestinal Health, and Serum Biochemical Indices in Broilers.

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

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

Omic characterizing and targeting gut dysbiosis in children with autism spectrum disorder: symptom alleviation through combined probiotic and medium-carbohydrate diet intervention - a pilot study.

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

Authors Li Y,Hu W,Lin B,Ma T,Zhang Z,Hu W,Zhou R,Kwok LY,Sun Z,Zhu C,Zhang H

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

Nutrients , Volume: 16 Issue: 22 2024 Nov 19

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

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

Fucoidan from Undaria pinnatifida Enhances Exercise Performance and Increases the Abundance of Beneficial Gut Bacteria in Mice.

Marine drugs , Volume: 22 Issue: 11 2024 Oct 29

Authors Yang C,Dwan C,Wimmer BC,Wilson R,Johnson L,Caruso V

Supplementation with inulin reverses cognitive flexibility alterations and modulates the gut microbiota in high-fat-fed mice.

Frontiers in behavioral neuroscience , Volume: 18 2024

Authors González-Velázquez G,Aguirre-Garrido JF,Oros-Pantoja R,Salinas-Velarde ID,Contreras I,Estrada JA,Soto-Piña AE
Galacto-oligosaccharides regulate intestinal mucosal sialylation to counteract antibiotic-induced mucin dysbiosis.

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

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

In vitro fermentation characteristics of fucoidan and its regulatory effects on human gut microbiota and metabolites.

Food chemistry , Volume: 465 Issue: Pt 1 2024 Nov 12

Authors Zhou X,Zhang Y,Wei L,Yang Y,Wang B,Liu C,Bai J,Wang C

Thermosensitive Injectable Dual Drug-Loaded Chitosan-Based Hydrogels for Treating Bacterial Endometritis.

ACS biomaterials science & engineering , 2024 Nov 15

Authors Wang X,Wei Z,Wu Z,Li Y,Miao C,Cao Z

***F. prausnitzii* potentially modulates the association between citrus intake and depression.**

Microbiome , Volume: 12 Issue: 1 2024 Nov 14

Authors Samuthpongton C,Chan AA,Ma W,Wang F,Nguyen LH,Wang DD,Okereke OI,Huttenhower C,Chan AT,Mehta RS

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,Chammary 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,Kejík Z,Abramenko N,Kaplánek R,Jakubek M,Petrlova J

Fucoidan ameliorates rotenone-induced Parkinsonism in mice by regulating the microbiota-gut-brain axis.

International journal of biological macromolecules , Volume: 283 Issue: Pt 2 2024 Nov 7

Authors Yang X,Zhang X,Ma Y,Li S,Wang Q,Hong JS,Yu G,Qi B,Wang J,Liu C,Shang Q,Wu X,Zhao J

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

Molecular nutrition & food research , 2024 Nov 9

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

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

Nutrients , Volume: 16 Issue: 21 2024 Oct 22

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

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

Frontiers in nutrition , Volume: 11 2024

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

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

Bifidogenic Effect of Human Milk Oligosaccharides on Pediatric IBD Fecal Microbiota.

Microorganisms , Volume: 12 Issue: 10 2024 Sep 30

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

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

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

Impact of Long-term Fasting on Breath Volatile Sulphur Compounds, Inflammatory Markers and Saliva Microbiota Composition.

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

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

Development and Assessment of a Multipurpose Herbal Cream With Moringa oleifera Lam.

Cureus , Volume: 16 Issue: 9 2024 Sep

Authors Suresh M,Mukundan SK,Rajasekar S,Gokulakrishnan S,Purushothaman N,Sethuraman SP

Lacticaseibacillus paracasei NCU-04 relieves constipation and the depressive-like behaviors induced by loperamide in mice through the microbiome-gut-brain axis.

Current research in food science , Volume: 9 2024

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

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,Ameyor 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

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

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

Synbiotic supplementation may globally improve non-motor symptoms in patients with stable Parkinson's disease: results from an open label single-arm study.

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

Authors Andreozzi V,Cuoco S,Balestrieri M,Fierro F,Ferrara N,Erro R,Di Filippo M,Barbella G,Memoli MC,Silvestri A,Squillante M,Guglielmetti S,Barone P,Iovino P,Pellecchia MT

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

Gastrointestinal microbiota and metabolites responses to dietary cereal grains in an adult pig model.

Frontiers in microbiology , Volume: 15 2024

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

Berberine alleviates ETEC-induced intestinal inflammation and oxidative stress damage by optimizing intestinal microbial composition in a weaned piglet model.

Frontiers in immunology , Volume: 15 2024

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

Candidate-Probiotic Lactobacilli and Their Postbiotics as Health-Benefit Promoters.

Microorganisms , Volume: 12 Issue: 9 2024 Sep 19

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

Synthesis of Tellurium Nanoparticles Using Moringa oleifera Extract, and Their Antibacterial and Antibiofilm Effects against Bacterial Pathogens.

Microorganisms , Volume: 12 Issue: 9 2024 Sep 6

Authors Ao B,Jiang H,Cai X,Liu D,Tu J,Shi X,Wang Y,He F,Lv J,Li J,Hu Y,Xia X,Hou J

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,Britt D

Effect of Lacticaseibacillus rhamnosus IDCC 3201 on irritable bowel syndrome with constipation: a randomized, double-blind, and placebo-controlled trial.

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

Authors Kwon H,Nam EH,Kim H,Jo H,Bang WY,Lee M,Shin H,Kim D,Kim J,Kim H,Lee J,Jung YH,Yang J,Won DD,Shin M

Lacticaseibacillus rhamnosus KY16 Improves Depression by Promoting Intestinal Secretion of 5-HTP and Altering the Gut Microbiota.

Journal of agricultural and food chemistry , 2024 Sep 23

Authors Xie S,Wang C,Song J,Zhang Y,Wang H,Chen X,Suo H

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,Asgharzadeh M,Abbasi A,Rezaee MA,Kafil HS

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

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

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

Laminaria japonica Polysaccharide Regulates Fatty Hepatosis Through Bile Acids and Gut Microbiota in Diabetes Rat.

Marine biotechnology (New York, N.Y.) , 2024 Aug 29

Authors Zhang B,Wang J,Chen X,Xue T,Xin J,Liu Y,Wang X,Li X

Effect of Saccharomyces boulardii on Liver Diseases: A Systematic Review.

Microorganisms , Volume: 12 Issue: 8 2024 Aug 15

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

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,Satyal P,Dosoky NS

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

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

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

Lacticaseibacillus 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

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

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

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

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

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

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

Interactions between soluble dietary fibers from three edible fungi and gut microbiota.

International journal of biological macromolecules , Volume: 278 Issue: Pt 3 2024 Oct

Authors Dong H,Zhuang H,Yu C,Zhang X,Feng T

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,Cremonezi 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

Dietary Polycan, a β-glucan originating from *Aureobasidium pullulans*SM-2001, attenuates high-fat-diet-induced intestinal barrier damage in obese mice by modulating gut microbiota dysbiosis.

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

Authors Ko GP,Unno T,Kim YS,Kim J

Moringa leaf meal exerts growth benefits in small ruminants through modulating the gastrointestinal microbiome.

Applied microbiology and biotechnology , Volume: 108 Issue: 1 2024 Aug 12

Authors Nehra C,Harshini V,Shukla N,Chavda P,Savaliya K,Patil S,Shah T,Pandit R,Patil NV,Patel AK,Kachhwaha S,Kumawat RN,Joshi M,Joshi CG

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

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

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

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

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

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

The molecular basis of cereal mixed-linkage β-glucan utilization by the human gut bacterium *Segatella copri*.

The Journal of biological chemistry , Volume: 300 Issue: 9 2024 Aug 8

Authors Golisch B,Cordeiro RL,Fraser ASC,Briggs J,Stewart WA,Van Petegem F,Brumer H

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

Heliyon , Volume: 10 Issue: 14 2024 Jul 30

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

Effect of dietary *Moringa oleifera* on production performance and gut health in broilers.

Journal of advanced veterinary and animal research , Volume: 11 Issue: 2 2024 Jun

Authors Gul S,Hussain F,Taj R,Ullah A

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,Arokha 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

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

Microorganisms , Volume: 12 Issue: 7 2024 Jul 6

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

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

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

Authors Oliveira RD,Araújo C,Almeida-Aguiar C

Fucoidan modulates gut microbiota and immunity in Peyer's patches against inflammatory bowel disease.

Carbohydrate polymers , Volume: 342 2024 Oct 15

Authors Li JK,Veeraperumal S,Aweya JJ,Liu Y,Cheong KL

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

Food & function , 2024 Jul 24

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

High-molecular-weight Fucoidan exerts an immune-enhancing effect in RAW 264.7 cells and cyclophosphamide-induced immunosuppression rat by altering the gut microbiome.

International immunopharmacology , Volume: 139 2024 Sep 30

Authors Park EJ,Kim JY,Jaiswal V,Park HS,Ki DB,Lee YS,Lee HJ

Dietary Citrus Flavonoids Improved Growth Performance and Intestinal Microbiota of Weaned Piglets via Immune Function Mediated by TLR2/NF-?B Signaling Pathway.

Journal of agricultural and food chemistry , 2024 Jul 16

Authors Chen C,Feng F,Qi M,Chen Q,Tang W,Diao H,Hu Z,Qiu Y,Li Z,Chu Y,Tang Z

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

Regulations of Citrus Pectin Oligosaccharide on Cholesterol Metabolism: Insights from Integrative Analysis of Gut Microbiota and Metabolites.

Nutrients , Volume: 16 Issue: 13 2024 Jun 24

Authors Hu H,Zhang P,Liu F,Pan S

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

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

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

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,Touzchi FM,Moharami F

Inhibitory effect of polyphenols from sumac, pomegranate and Indian almond on urease producing bacteria and jack bean urease activity.

International journal of biological macromolecules , Volume: 276 Issue: Pt 1 2024 Sep

Authors Haq MA,Nazir M,Jabeen G,Jabeen N,Naz S,Nawaz H,Xu J

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

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

Fasting-Induced Molting Impacts the Intestinal Health by Altering the Gut Microbiota.

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

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

A Gestational Pectin Diet Could Improve the Health of Multiparous Sows by Modulating the Gut Microbiota and Cytokine Level during Late Pregnancy.

Animals : an open access journal from MDPI , Volume: 14 Issue: 11 2024 May 24

Authors Zheng J,Li S,He J,Liu H,Huang Y,Jiang X,Zhao X,Li J,Feng B,Che L,Fang Z,Xu S,Lin Y,Hua L,Zhuo Y,Wu D

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,Xu X,Yang M,Hou H,Li Z,Chen Y,Gong A

Bacillus subtilis SF106 and *Bacillus clausii* SF174 spores reduce the inflammation and modulate the gut microbiota in a colitis model.

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

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

Lactic acid *Bacillus paracasei* LC86 mitigates age-related muscle wasting and cognitive impairment in SAMP8 mice through gut microbiota modulation and the regulation of serum inflammatory factors.

Frontiers in nutrition , Volume: 11 2024

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

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

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

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

Intervention with fructooligosaccharides, *Saccharomyces boulardii*, and their combination in a colitis mouse model.

Frontiers in microbiology , Volume: 15 2024

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

Optimizing Akkermansia muciniphila Isolation and Cultivation: Insights into Gut Microbiota Composition and Potential Growth Promoters in a Chinese Cohort.

Microorganisms , Volume: 12 Issue: 5 2024 Apr 28

Authors Meng X,Xv C,Lv J,Zhang S,Ma C,Pang X

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

Probiotics combined with atorvastatin administration in the treatment of hyperlipidemia: A randomized, double-blind, placebo-controlled clinical trial.

Medicine , Volume: 103 Issue: 21 2024 May 24

Authors Tian Y,Wu G,Zhao X,Zhang H,Ren M,Song X,Chang H,Jing Z

Measuring the impact of dietary supplementation with citrus or cucumber extract on chicken gut microbiota using 16S rRNA gene sequencing.

Veterinary research communications , 2024 May 23

Authors Riva F,McGuinness DH,McKeegan DEF,Peinado-Izaguerri J,Bruggeman G,Hermans D,Eckersall PD,McLaughlin M,Bain M

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

Microbiological research , Volume: 285 2024 Aug

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

The Antimicrobial Activity of Combination of Vitamin D3 and Omega-3 against Pathogenic Microorganisms.

Combinatorial chemistry & high throughput screening , 2024 May 14

Authors Al-Najjar MAA,Abdulrazzaq SB,Al-Shaer S,Barakat M,Omar A,Zrieq R,Hasen E,Abu Samak M

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

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

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

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

Pu-erh tea theabrownin improves the ovarian function and gut microbiota in laying hens.

Poultry science , Volume: 103 Issue: 7 2024 Jul

Authors Zhang T,Bai S,Ding X,Zeng Q,Xuan Y,Xu S,Mao X,Peng H,Zhang K,Wang J

An In Vitro Evaluation of the Effect of *Bifidobacterium longum* L556 on Microbiota Composition and Metabolic Properties in Patients with Coronary Heart Disease (CHD).

Probiotics and antimicrobial proteins , 2024 May 9

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

Antimicrobial activity of *Cinnamomum zeylanicum* essential oil against colistin-resistant gram-negative bacteria.

International journal of environmental health research , 2024 May 2

Authors Ben Selma W,Ferjeni S,Farouk A,Marzouk M,Boukadida J

Bifidobacterium longum K5 Prevents Enterohaemorrhagic *Escherichia coli* O157:H7 Infection in Mice through the Modulation of the Gut Microbiota.

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

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

Bifidobacterium longum Subsp. infantis Promotes IgA Level of Growing Mice in a Strain-Specific and Intestinal Niche-Dependent Manner.

Nutrients , Volume: 16 Issue: 8 2024 Apr 12

Authors Ding M,Li B,Chen H,Ross RP,Stanton C,Zhao J,Chen W,Yang B

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 Kaewpatch 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,Baraichi A,Loukili EH,Bellaouchi R,Saalaoui E,Asehraou A,Salamatullah AM,Bourhia M,Nafidi HA,Addi M,Guerrouj BE,Chaabane K

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

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

Nutrients , Volume: 16 Issue: 7 2024 Apr 5

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

Dietary Methionine Restriction Improves Gut Health and Alters the Plasma Metabolomic Profile in Rats by Modulating the Composition of the Gut Microbiota.

International journal of molecular sciences , Volume: 25 Issue: 7 2024 Mar 25

Authors Yang M,Xie Q,Xiao Y,Xia M,Chen J,Tan BE,Yin Y

Bacillus coagulans regulates gut microbiota and ameliorates the alcohol-associated liver disease in mice.

Frontiers in microbiology , Volume: 15 2024

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

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

Polysaccharides from an edible mushroom, Hericium erinaceus, alleviate ulcerative colitis in mice by inhibiting the NLRP3 inflammasomes and reestablish intestinal homeostasis.

International journal of biological macromolecules , Volume: 267 Issue: Pt 1 2024 May

Authors Li H,Feng J,Liu C,Hou S,Meng J,Liu JY,Zilong S,Chang MC

Exploring the prebiotic potential of hydrolyzed fucoidan fermented in vitro with human fecal inocula: Impact on microbiota and metabolome.

International journal of biological macromolecules , Volume: 267 Issue: Pt 1 2024 May

Authors Huang X,Nie S,Fu X,Nan S,Ren X,Li R

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

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

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

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

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 Buitenhof CB,Seitz VA,Metcalf JL,Raskin I

Metagenomic sequencing identified microbial species in the rumen and cecum microbiome responsible for niacin treatment and related to intramuscular fat content in finishing cattle.

Frontiers in microbiology , Volume: 15 2024

Authors Yang Z,Chen X,Yu M,Jing R,Bao L,Zhao X,Pan K,Chao B,Qu M

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

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

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

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

Integrative cancer therapies , Volume: 23 2024 Jan-Dec

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

Dietary L-Methionine modulates the gut microbiota and improves the expression of tight junctions in an in vitro model of the chicken gastrointestinal tract.

Animal microbiome , Volume: 6 Issue: 1 2024 Mar 19

Authors Kwak MJ,Kang A,Eor J,Ryu S,Choi Y,Heo JM,Song M,Kim JN,Kim HJ,Kim Y

Bifidobacterium longum GL001 alleviates rat intestinal ischemia-reperfusion injury by modulating gut microbiota composition and intestinal tissue metabolism.

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

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

Effects of Supplementation with Oregano Essential Oil during Late Gestation and Lactation on Serum Metabolites, Antioxidant Capacity and Fecal Microbiota of Sows.

Animals : an open access journal from MDPI , Volume: 14 Issue: 5 2024 Feb 28

Authors Zhang Y,Deng Y,Hao Y,Fang J,Feng J

Correlation of Gut Microbiota with Children Obesity and Weight Loss.

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

Authors Peng LJ,Chen YP,Qu F,Zhong Y,Jiang ZS

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

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

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

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

Frontiers in nutrition , Volume: 10 2023

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

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

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

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

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

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

Lacticaseibacillus paracasei CCFM1222 Ameliorated the Intestinal Barrier and Regulated Gut Microbiota in Mice with Dextran Sulfate Sodium-Induced Colitis.

Probiotics and antimicrobial proteins , 2024 Feb 20

Authors Guo W,Tang X,Zhang Q,Xiong F,Yan Y,Zhao J,Mao B,Zhang H,Cui S

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

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

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

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

Evaluation of kefir grain microbiota, grain viability, and bioactivity from fermenting dairy processing by-products.

Journal of dairy science , Volume: 107 Issue: 7 2024 Jul

Authors McGovern CJ,González-Orozco BD,Jiménez-Flores R

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

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

Authors Olm MR,Mueller NT

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

Journal of Cancer , Volume: 15 Issue: 5 2024

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

High colonisation by probiotic *Escherichia coli* A0 34/86 strain is associated with a less diverse microbiome related to children's age.

Beneficial microbes , Volume: 15 Issue: 1 2024 Jan 23

Authors Micenková L,Brodi Ková K,Smetanová S,Bosák J,Šmajš D,Andrla P,Budinská E

Effect of *Lacticaseibacillus 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

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

Long term methionine restriction: Influence on gut microbiome and metabolic characteristics.

Aging cell , Volume: 23 Issue: 3 2024 Mar

Authors Nagarajan A,Lasher AT,Morrow CD,Sun LY

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

Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF-?B Inflamasome Pathways and Regulating Intestinal Microbiota.

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

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

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,Charaslertrangsri T

Impact of *Bacillus licheniformis* from yaks following antibiotic therapy in mouse model.

Applied microbiology and biotechnology , Volume: 108 Issue: 1 2024 Dec

Authors Zeng Z,Gong S,Quan C,Zhou S,Kulyar MF,Iqbal M,Li Y,Li X,Li J

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

Microbial pathogenesis , Volume: 188 2024 Mar

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

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

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

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

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

Synthesis of New Derivatives of Berberine Canagliflozin and Study of Their Antibacterial Activity and Mechanism.

Molecules (Basel, Switzerland) , Volume: 29 Issue: 1 2024 Jan 4

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Frontiers in microbiology , Volume: 14 2023

Authors Tu X,Ren H,Bu S

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

Effect of beta-glucan supplementation on cystic fibrosis colonic microbiota: an in vitro study.

Pediatric research , Volume: 95 Issue: 6 2024 May

Authors Asensio-Grau A,Heredia A,García-Hernández J,Cabrera-Rubio R,Masip E,Ribes-Koninkx C,Collado MC,Andrés A,Calvo-Lerma J

Fucoidan alleviated dextran sulfate sodium-induced ulcerative colitis with improved intestinal barrier, reshaped gut microbiota composition, and promoted autophagy in male C57BL/6 mice.

Nutrition research (New York, N.Y.) , Volume: 122 2024 Feb

Authors Li S,Qian Q,Yang H,Wu Z,Xie Y,Yin Y,Cui Y,Li X

Akkermansia muciniphila and Alcohol-Related Liver Diseases. A Systematic Review.

Molecular nutrition & food research , Volume: 68 Issue: 2 2024 Jan

Authors Sparfel L,Ratodiarivony S,Boutet-Robinet E,Eller-Simatos S,Jolivet-Gougeon A

Next-generation sequencing of the athletic gut microbiota: a systematic review.

Microbiome research reports , Volume: 2 Issue: 1 2023

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

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

Frontiers in cellular and infection microbiology , Volume: 13 2023

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

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

Frontiers in veterinary science , Volume: 10 2023

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

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

Benefits of tributyrin on growth performance, gastrointestinal tract development, ruminal bacteria and volatile fatty acid formation of weaned Small-Tailed Han lambs.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 15 2023 Dec

Authors Li Z,Wang X,Wang W,An R,Wang Y,Ren Q,Xuan J

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

Lactobacillus paracasei Relieves Constipation by Acting on the Acetic Acid-5-HT-Intestinal Motility Pathway.

Foods (Basel, Switzerland) , Volume: 12 Issue: 22 2023 Nov 20

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

Mouse intestinal microbiome modulation by oral administration of a GABA-producing *Bifidobacterium adolescentis* strain.

Microbiology spectrum , Volume: 12 Issue: 1 2024 Jan 11**Authors Tamés H,Sabater C,Royo F,Margolles A,Falcón JM,Ruas-Madiedo P,Ruiz L**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**Effect of Lactobacillus kefiri, in Conjunction with PENS T6 and a Hypocaloric Diet, on Weight Loss, Hypertension and Laboratory Glycemic and Lipid Profile.**Nutrients , Volume: 15 Issue: 21 2023 Oct 26****Authors Ruiz-Tovar J,Llavero C,Fernandez-Contreras ME**Inulin prebiotic ameliorates type 1 diabetes dictating regulatory T cell homing via CCR4 to pancreatic islets and butyrogenic gut microbiota in murine model.**Journal of leukocyte biology , Volume: 115 Issue: 3 2024 Feb 23****Authors Guimarães JB,Rodrigues VF,Pereira ÍS,Manso GMDC,Elias-Oliveira J,Leite JA,Waldetario MOGM,de Oliveira S,Gomes ABDSF,Faria AMC,Ramos SG,Bonato VLD,Silva JS,Vinolo MAR,Sampaio UM,Clerici MTPS,Carlos D**Early life exposure to broccoli sprouts confers stronger protection against enterocolitis development in an immunological mouse model of inflammatory bowel disease.**mSystems , Volume: 8 Issue: 6 2023 Dec 21****Authors Holcomb L,Holman JM,Hurd M,Lavoie B,Colucci L,Hunt B,Hunt T,Kinney M,Pathak J,Mawe GM,Moses PL,Perry E,Stratigakis A,Zhang T,Chen G,Ishaq SL,Li Y**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**Cooperative interactions between Veillonella ratti and Lactobacillus acidophilus ameliorate DSS-induced ulcerative colitis in mice.**Food & function , Volume: 14 Issue: 23 2023 Nov 27****Authors Li N,Wang H,Zhao H,Wang M,Cai J,Hao Y,Yu J,Jiang Y,Lü X,Liu B**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**Promoting intestinal antimicrobial defense and microbiome symbiosis contributes to IL-22-mediated protection against alcoholic hepatitis in mice.**Frontiers in immunology , Volume: 14 2023****Authors Yue R,Wei X,Hao L,Dong H,Guo W,Sun X,Zhao J,Zhou Z,Zhong W**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 pectin on intestinal barrier function via changes in microbial functional potential and bile acid metabolism.**The Journal of nutritional biochemistry , Volume: 124 2024 Feb****Authors Yin C,Wen X,Dang G,Zhong R,Meng Q,Feng X,Liu L,Wu S,He J,Chen L,Zhang H**Effect of grape pomace supplement on growth performance, gastrointestinal microbiota, and methane production in Tan lambs.**Frontiers in microbiology , Volume: 14 2023****Authors Cheng X,Du X,Liang Y,Degen AA,Wu X,Ji K,Gao Q,Xin G,Cong H,Yang G**Thymus Vulgaris Oil Nanoemulsion: Synthesis, Characterization, Antimicrobial and Anticancer Activities.**Molecules (Basel, Switzerland) , Volume: 28 Issue: 19 2023 Oct 2****Authors Doghish AS,Shehabeldine AM,El-Mahdy HA,Hassanin MMH,Al-Askar AA,Marey SA,AbdElgawad H,Hashem AH**Ameliorating Effects of Bifidobacterium longum subsp. infantis FB3-14 against High-Fat-Diet-Induced Obesity and Gut

Microbiota Disorder.**Nutrients , Volume: 15 Issue: 19 2023 Sep 22****Authors Kou R,Wang J,Li A,Wang Y,Zhang B,Liu J,Sun Y,Wang S****Comprehensive evaluation of the prebiotic properties of Dendrobium officinale polysaccharides, β -glucan, and inulin during in vitro fermentation via multi-omics analysis.****International journal of biological macromolecules , Volume: 253 Issue: Pt 7 2023 Dec 31****Authors Sun Y,Zhang S,He H,Chen H,Nie Q,Li S,Cheng J,Zhang B,Zheng Z,Pan S,Huang P,Lian L,Hu J,Nie S****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****Antiultraviolet, Antioxidant, and Antimicrobial Properties and Anticancer Potential of Novel Environmentally Friendly Amide-Modified Gallic Acid Derivatives.****Journal of agricultural and food chemistry , 2023 Oct 6****Authors Wang X,Cong J,Zhang L,Han Z,Jiang X,Yu L****The effect of physical exercise and dairy probiotics (*Lactobacillus casei*) on gut microbiome in childhood cancer survivors.****Neoplasma , Volume: 70 Issue: 4 2023 Aug****Authors Bielik V,Hric I,Šmahová S,Tkaciková M,Hlavácová V,Nechalová L,Ugrayová S,Kolenová A****Diet and gut microbial associations in irritable bowel syndrome according to disease subtype.****Gut microbes , Volume: 15 Issue: 2 2023 Dec****Authors Wang Y,Ma W,Mehta R,Nguyen LH,Song M,Drew DA,Asnicar F,Huttenhower C,Segata N,Wolf J,Spector T,Berry S,Staller K,Chan AT****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****Berberine: An inspiring resource for the treatment of colorectal diseases.****Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 167 2023 Nov****Authors Cao F,Xia W,Dai S,Wang C,Shi R,Yang Y,Guo C,Xu XL,Luo J****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****Carboxymethyl chitosan-TK resistant starch complex ameliorates type 2 diabetes by regulating the gut microbiota.****International journal of biological macromolecules , Volume: 253 Issue: Pt 3 2023 Dec 31****Authors Pan X,Liu P,Zhang YJ,Zhang HK,Wei H,Jiang JY,Hui-Yan,Shang EX,Li WW,Wang Y,Duan JA****Effect of Probiotic Supplementation on the Gut Microbiota Composition of Infants Delivered by Cesarean Section: An Exploratory, Randomized, Open-label, Parallel-controlled Trial.****Current microbiology , Volume: 80 Issue: 11 2023 Sep 15****Authors Gong Y,Zhong H,Wang J,Wang X,Huang L,Zou Y,Qin H,Yang R****Effects of Ramadan intermittent fasting on gut microbiome: is the diet key?****Frontiers in microbiology , Volume: 14 2023****Authors Saglam D,Colak GA,Sahin E,Ekren BY,Sezerman U,Bas M****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

Antidepressant properties of voluntary exercise mediated by gut microbiota.

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

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

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

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

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

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

Effect of Bacillus subtilis and Oregano Oil on Performance, Gut Microbiome, and Intestinal Morphology in Pulletts.

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

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

Brazilian journal of biology = Revista brasileira 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,Obanya TO,Zhang S,Sang S,Adetunji AO,Fahrenholz AC,Ferket PR,Nagabhushanam K,Fasina YO

Tributyrin alleviates gut microbiota dysbiosis to repair intestinal damage in antibiotic-treated mice.

PLoS one , Volume: 18 Issue: 7 2023

Authors Yang N,Lan T,Han Y,Zhao H,Wang C,Xu Z,Chen Z,Tao M,Li H,Song Y,Ma 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

Lactobacillus rhamnosus GG ATCC53103 and Lactobacillus plantarum JL01 improved nitrogen metabolism in weaned piglets by regulating the intestinal flora structure and portal vein metabolites.

Frontiers in microbiology , Volume: 14 2023

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

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

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,Joynal JB,Aktar M,Nira NH,Sabrin F,Nahar S,Jahan S,Shimu RN,Hossain MA

Goat and cow milk differ in altering the microbiota composition and neurotransmitter levels in insomnia mouse models.

Food & function , Volume: 14 Issue: 14 2023 Jul 17

Authors Mo L,Jing H,Du X,Zhao C,Lin Y,Li J,Wang H

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

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

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

Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.

The Journal of nutrition , 2023 Jun 20

Authors Eudy BJ,Odle J,Lin X,Maltecca C,Walter KR,McNulty NP,Fellner V,Jacobi SK

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,Nagabhusanam 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,Martinez R,Zhang W,Estévez M

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

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 amyloliquefaciens alleviates the pathological injuries in mice infected with *Schistosoma japonicum* by modulating intestinal microbiome.

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Chen H,Sun R,Wang J,Yao S,Batool SS,Yu Z,Huang S,Huang J

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

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

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,Mesnage 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

Lactobacillus plantarum CCFM405 against Rotenone-Induced Parkinson's Disease Mice via Regulating Gut Microbiota and Branched-Chain Amino Acids Biosynthesis.

Nutrients , Volume: 15 Issue: 7 2023 Apr 1

Authors Chu C,Yu L,Li Y,Guo H,Zhai Q,Chen W,Tian F

Dried Fruits: Bioactives, Effects on Gut Microbiota, and Possible Health Benefits-An Update.

Nutrients , Volume: 15 Issue: 7 2023 Mar 26

Authors Alasalvar C,Chang SK,Kris-Etherton PM,Sullivan VK,Petersen KS,Guasch-Ferré M,Jenkins DJA

Alleviation of Alcoholic Fatty Liver by *Dendrobium officinale* Flower Extracts due to Regulation of Gut Microbiota and Short-

Chain Fatty Acids in Mice Exposed to Chronic Alcohol.**Foods (Basel, Switzerland) , Volume: 12 Issue: 7 2023 Mar 28****Authors Zhang J,Fan J,Luo H,Liang Z,Guan Y,Lei X,Bo N,Zhao M**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**Moringa oleifera Leaf Powder as New Source of Protein-Based Feedstuff Improves Growth Performance and Cecal Microbial Diversity of Broiler Chicken.**Animals : an open access journal from MDPI , Volume: 13 Issue: 6 2023 Mar 20****Authors Zhang H,Huang L,Hu S,Qin X,Wang X**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 Bmfaga AA,Lee KW,Than LTL,Amin-Nordin S**Impact of Intermittent Fasting on the Gut Microbiota: A Systematic Review.**Advanced biology , Volume: 7 Issue: 8 2023 Aug****Authors Pérez-Gerdel T,Camargo M,Alvarado M,Ramírez JD**Gut microbiota mediates the anti-obesity effect of intermittent fasting by inhibiting intestinal lipid absorption.**The Journal of nutritional biochemistry , Volume: 116 2023 Jun****Authors Yang H,Li C,Che M,Li Y,Feng R,Sun C**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**Change of gut microbiome structure in preterm infants with hypoxic ischemic encephalopathy induced by apnea.**Pediatrics and neonatology , Volume: 64 Issue: 4 2023 Jul****Authors Chen G,Li F,Du J**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**Tributyrin and anise mixture supplementation improves growth performance, nutrient digestibility, jejunal villus height, and fecal microbiota in weaned pigs.**Frontiers in veterinary science , Volume: 10 2023****Authors Dang X,Lee H,Lee SJ,Song JH,Mun S,Lee KY,Han K,Kim IH**Moringa oleifera leaf ethanolic extract benefits cashmere goat semen quality via improving rumen microbiota and metabolome.**Frontiers in veterinary science , Volume: 10 2023****Authors Liang J,Wu T,Wang T,Ma Y,Li Y,Zhao S,Guo Y,Liu B**Low Weight Polysaccharide of Hericium erinaceus Ameliorates Colitis via Inhibiting the NLRP3 Inflammasome Activation in Association with Gut Microbiota Modulation.**Nutrients , Volume: 15 Issue: 3 2023 Feb 1****Authors Ren Y,Sun Q,Gao R,Sheng Y,Guan T,Li W,Zhou L,Liu C,Li H,Lu Z,Yu L,Shi J,Xu Z,Xue Y,Geng Y**

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,Water A,Graz M,Andrejko M,Budzynski M,Brys MS,Sudzinski M,Tomczyk M,Gancarz M,Rusinek R,Ptaszynska AA****Metagenomic Insights into the Anti-Obesity Effect of a Polysaccharide from Saccharina japonica.****Foods (Basel, Switzerland) , Volume: 12 Issue: 3 2023 Feb 3****Authors Song Y,Lu D,Wang H,Zhou Z,Luo X,Ma M,Ke S,Wang H,Yu Y,Wei B**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**Oligofructose, 2'fucosyllactose and β-glucan in combination induce specific changes in microbial composition and short-chain fatty acid production compared to sole supplementation.**Journal of applied microbiology , Volume: 134 Issue: 2 2023 Feb 16****Authors Jackson PPJ,Wijeyesekera A,van Harsselaar J,Theis S,Rastall RA**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**Effect of riboflavin deficiency on intestinal morphology, jejunum mucosa proteomics, and cecal microbiota of Pekin ducks.**Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar****Authors Xu Y,Zhang B,Zhao R,Gao K,Liang S,Wu Y,Hao Y,Liu D,Guo Z,Hu J,Zhou Z,Xie M,Tang J**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**Lacticaseibacillus rhamnosus HAO9 exerts antidiabetic effects by regulating gut microbiome, glucagon metabolism, and insulin levels in type 2 diabetic mice.**Frontiers in nutrition , Volume: 9 2022****Authors Han M,Liao W,Dong Y,Bai C,Gai Z**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***Bacillus amyloliquefaciens* 40 regulates piglet performance, antioxidant capacity, immune status and gut microbiota.**Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar****Authors Jiang Z,Su W,Li W,Wen C,Du S,He H,Zhang Y,Gong T,Wang X,Wang Y,Jin M,Lu Z**Impact of *Saccharomyces boulardii* CNCM I-745 on Bacterial Overgrowth and Composition of Intestinal Microbiota in Diarrhea-Predominant Irritable Bowel Syndrome Patients: Results of a Randomized Pilot Study.**Digestive diseases (Basel, Switzerland) , Volume: 41 Issue: 5 2023****Authors Bustos Fernández LM,Man F,Lasa JS**Dietary Methionine Restriction Alleviates Choline-Induced Tri-Methylamine-N-Oxide (TMAO) Elevation by Manipulating Gut Microbiota in Mice.**Nutrients , Volume: 15 Issue: 1 2023 Jan 1****Authors Lu M,Yang Y,Xu Y,Wang X,Li B,Le G,Xie Y**Cranberry-lingonberry juice affects the gut and urinary microbiome in children - a randomized controlled trial.**APMIS : acta pathologica, microbiologica, et immunologica Scandinavica , Volume: 131 Issue: 3 2023 Mar****Authors Hakkola M,Vehviläinen P,Muotka J,Tejesvi MV,Pokka T,Vähäsarja P,Hanni AM,Renko M,Uhari M,Salo J,Tapiainen T**Thyme (*Thymus vulgaris* L.) polyphenols ameliorate DSS-induced ulcerative colitis of mice by mitigating intestinal barrier damage, regulating gut microbiota, and suppressing TLR4/NF-?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,Calvignoni M,Benvenuti L,D`Antongiovanni V,Pellegrini C,Di Salvo C,Mazzantini D,Celandroni F,Fornai M,Antonioli L,Ghelardi E

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
Pectin supplement alleviates gut injury potentially through improving gut microbiota community in piglets.

Frontiers in microbiology , Volume: 13 2022

Authors Dang G,Wang W,Zhong R,Wu W,Chen L,Zhang H

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

Life sciences , Volume: 314 2023 Feb 1

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

Simulated Digestion and Fermentation In Vitro by Obese Human Gut Microbiota of Sulforaphane from Broccoli Seeds.

Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 12

Authors Sun Y,Tang Z,Hao T,Qiu Z,Zhang B

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

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

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

Dietary Capsaicin: A Spicy Way to Improve Cardio-Metabolic Health?

Biomolecules , Volume: 12 Issue: 12 2022 Nov 29

Authors Szallasi A

Effects of Polyphenols and Glucosinolates in Broccoli Extract on Human Gut Microorganisms Based on Simulation In Vitro.

ACS omega , Volume: 7 Issue: 49 2022 Dec 13

Authors Zhang Y,Jiang C,Huang S,Sun J,Song X,Nishanbaev SZ,Benito MJ,Wu Y

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

Nutrients , Volume: 14 Issue: 23 2022 Nov 22

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

Broccoli seed extract rich in polysaccharides and glucoraphanin ameliorates DSS-induced colitis via intestinal barrier protection and gut microbiota modulation in mice.

Journal of the science of food and agriculture , Volume: 103 Issue: 4 2023 Mar 15

Authors Wu J,Guo W,Cui S,Tang X,Zhang Q,Lu W,Jin Y,Zhao J,Mao B,Chen W

Reduction of Redox Potential Exerts a Key Role in Modulating Gut Microbial Taxa and Function by Dietary Supplementation of Pectin in a Pig Model.

Microbiology spectrum , Volume: 11 Issue: 1 2023 Feb 14

Authors Xu R,Li Q,Wang H,Su Y,Zhu W

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

Lacticaseibacillus casei ATCC334 Ameliorates Radiation-Induced Intestinal Injury in Rats by Targeting Microbes and Metabolites.

Molecular nutrition & food research , Volume: 67 Issue: 1 2023 Jan

Authors Hua Q,Zhang H,Xu R,Tian C,Gao T,Yuan Y,Han Y,Li Y,Qi C,Zhong F,Ma A

Whole grain benefit: synergistic effect of oat phenolic compounds and β-glucan on hyperlipidemia via gut microbiota in high-fat-diet mice.

Food & function , Volume: 13 Issue: 24 2022 Dec 13

Authors Li Y,Qin C,Dong L,Zhang X,Wu Z,Liu L,Yang J,Liu L

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

Frontiers in nutrition , Volume: 9 2022

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

Plant-Derived Lactobacillus paracasei UH-SONE68 Improves the Gut Microbiota Associated with Hepatic Disorders: A Randomized, Double-Blind, and Placebo-Controlled Clinical Trial.

Nutrients , Volume: 14 Issue: 21 2022 Oct 26

Authors Danshiitsoodol N,Noda M,Kanno K,Uchida T,Sugiyama M

Effects of Bacillus subtilis BSNK-5-Fermented Soymilk on the Gut Microbiota by In Vitro Fecal Fermentation.

Foods (Basel, Switzerland) , Volume: 11 Issue: 21 2022 Nov 3

Authors Gao Y,Hou L,Hu M,Li D,Tian Z,Wen W,Fan B,Li S,Wang F

Dietary Oregano Essential Oil Supplementation Influences Production Performance and Gut Microbiota in Late-Phase Laying Hens Fed Wheat-Based Diets.

Animals : an open access journal from MDPI , Volume: 12 Issue: 21 2022 Nov 2

Authors Gao F,Zhang L,Li H,Xia F,Bai H,Piao X,Sun Z,Cui H,Shi L

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 Kostiuchenko 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,Larjani B

Gut microbiome and metabolome analyses reveal the protective effect of special high-docosahexaenoic acid tuna oil on d-galactose-induced aging in mice.

Food science & nutrition , Volume: 10 Issue: 11 2022 Nov

Authors Zhang J,Yi C,Han J,Ming T,Zhou J,Lu C,Li Y,Su X

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

Impacts of Dietary Protein and Niacin Deficiency on Reproduction Performance, Body Growth, and Gut Microbiota of Female Hamsters (*Tschersikia triton*) and Their Offspring.

Microbiology spectrum , Volume: 10 Issue: 6 2022 Dec 21

Authors Zhao J,Lu W,Huang S,Le Maho Y,Habold C,Zhang Z

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

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

Microorganisms , Volume: 10 Issue: 10 2022 Oct 17

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

Gut microbiota profiling in aged dogs after feeding pet food contained *Hericium erinaceus*.

Journal of animal science and technology , Volume: 64 Issue: 5 2022 Sep

Authors Cho HW,Choi S,Seo K,Kim KH,Jeon JH,Kim CH,Lim S,Jeong S,Chun JL

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

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

Research in veterinary science , Volume: 152 2022 Dec 20

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

A red wine intervention does not modify plasma trimethylamine N-oxide but is associated with broad shifts in the plasma metabolome and gut microbiota composition.

The American journal of clinical nutrition , Volume: 116 Issue: 6 2022 Dec 19

Authors Haas EA,Saad MJA,Santos A,Vitolo N,Lemos WJF,Martins AMA,Picossi CRC,Favarato D,Gaspar RS,Magro DO,Libby P,Laurindo FRM,Da Luz PL,WineFlora Study

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

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

Brain research , Volume: 1797 2022 Dec 15

Authors Ding Z,Du L

Oral administration of Lactobacillus plantarum JC7 alleviates OVA-induced murine food allergy through immunoregulation and restoring disordered intestinal microbiota.

European journal of nutrition , Volume: 62 Issue: 2 2023 Mar

Authors Duan C,Ma L,Yu J,Sun Y,Liu L,Ma F,Li X,Li D

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

Influence of free and immobilized chitosan on a defined human gut microbial ecosystem.

Food research international (Ottawa, Ont.) , Volume: 161 2022 Nov

Authors Ruiz-Rico M,Renwick S,Vancuren SJ,Robinson AV,Gianetto-Hill C,Allen-Vercoe E,Barat JM

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

Characteristics of salivary microbiota in children with obstructive sleep apnea: A prospective study with polysomnography.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Huang X,Chen X,Gong X,Xu Y,Xu Z,Gao X

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

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

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

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

Heliyon , Volume: 8 Issue: 9 2022 Sep

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

Formation of cinnamon essential oil/xanthan gum/chitosan composite microcapsules basing on Pickering emulsions.

Colloid and polymer science , Volume: 300 Issue: 10 2022

Authors Li X,Gao Y,Li Y,Li Y,Liu H,Yang Z,Wu H,Hu Y

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

Detection of indigenous gut bacteria related to red chilli pepper (*Capsicum annuum*) in murine caecum and human faecal cultures.

Molecular biology reports , Volume: 49 Issue: 11 2022 Nov

Authors Xia Y,Lee G,Yamamoto M,Takahashi H,Kuda T

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

Nano-Microemulsions of CaCO(3)-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

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

Frontiers in pharmacology , Volume: 13 2022

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

The effect of riboflavin supplementation on the systemic redox status in healthy volunteers: A post-hoc analysis of the RIBOGUT trial.

Free radical biology & medicine , Volume: 190 2022 Sep

Authors Bourgonje AR,Otten AT,Sadaghian Sadabadi M,von Martels JZH,Bulthuis MLC,Faber KN,van Goor H,Dijkstra G,Harmsen HJM

Elucidation of Anti-Hypertensive Mechanism by a Novel *Lactobacillus rhamnosus* AC1 Fermented Soymilk in the Deoxycorticosterone Acetate-Salt Hypertensive Rats.

Nutrients , Volume: 14 Issue: 15 2022 Aug 2

Authors Wu H,Jiang L,Shum TF,Chiou J

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

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

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

Tributyrin administration improves intestinal development and health in pre-weaned dairy calves fed milk replacer.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 10 2022 Sep

Authors Liu S,Wu J,Wu Z,Alugongo GM,Zahoor Khan M,Li J,Xiao J,He Z,Ma Y,Li S,Cao Z

Riboflavin Supplementation Promotes Butyrate Production in the Absence of Gross Compositional Changes in the Gut Microbiota.

Antioxidants & redox signaling , Volume: 38 Issue: 4-6 2023 Feb

Authors Liu L,Sadaghian Sadabadi M,Gabarrini G,Lisotto P,von Martels JZH,Wardill HR,Dijkstra G,Steinert RE,Harmsen HJM

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

Consumption of Wheat Peptides Improves Functional Constipation: A Translational Study in Humans and Mice.

Molecular nutrition & food research , Volume: 66 Issue: 19 2022 Oct

Authors Wang Q,Shen F,Zhang J,Cai H,Pan Y,Sun T,Gong Y,Du J,Zhong H,Feng F

Impact of *Lycium barbarum* arabinogalactan on the fecal metabolome in a DSS-induced chronic colitis mouse model.

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

Authors Cao C,Wang L,Ai C,Gong G,Wang Z,Huang L,Song S,Zhu B

Mitigation of Memory Impairment with Fermented Fucoidan and ?-Carrageenan Supplementation through Modulating the Gut Microbiota and Their Metagenome Function in Hippocampal Amyloid-β Infused Rats.

Cells , Volume: 11 Issue: 15 2022 Jul 26

Authors Zhang T,Wu X,Yuan H,Huang S,Park S

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

Microorganisms , Volume: 10 Issue: 7 2022 Jul 21

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

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

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

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

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

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

Pharmacological research , Volume: 182 2022 Aug

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

Enhancing the antibacterial property of chitosan through synergistic alkylation and chlorination.

International journal of biological macromolecules , Volume: 217 2022 Sep 30

Authors Chen WC,Chien HW

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,Kostyuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållénus FF,Heyman-Lindén L

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

Planta medica , Volume: 89 Issue: 8 2023 Jul

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

In vivo Trial of Bifidobacterium longum Revealed the Complex Network Correlations Between Gut Microbiota and Health Promotional Effects.

Frontiers in microbiology , Volume: 13 2022

Authors Kim YT,Kim CH,Kwon JG,Cho JH,Shin YS,Kim HB,Lee JH

Chitosan and Chitooligosaccharide: The Promising Non-Plant-Derived Prebiotics with Multiple Biological Activities.

International journal of molecular sciences , Volume: 23 Issue: 12 2022 Jun 17

Authors Guan Z,Feng Q

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,Cetkovic-Simin D,Novakovic A,Plavsic D,Škrobot D,Kovac R

A Novel Probiotic Bacillus subtilis Strain Confers Cytoprotection to Host Pig Intestinal Epithelial Cells during Enterotoxic 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

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

Combination of Houttuynia cordata polysaccharide and Lactiplantibacillus plantarum P101 alleviates acute liver injury by

regulating gut microbiota in mice.

Journal of the science of food and agriculture , Volume: 102 Issue: 15 2022 Dec

Authors Xu X,Liu S,Zhao Y,Wang M,Hu L,Li W,Xu H

Lactobacillus acidophilus and HKL Suspension Alleviates Ulcerative Colitis in Rats by Regulating Gut Microbiota, Suppressing TLR9, and Promoting Metabolism.

Frontiers in pharmacology , Volume: 13 2022

Authors Aximujiang K,Kaheman K,Wushouer X,Wu G,Ahemaiti A,Yunusi K

Anti-obesity effects of Laminaria japonica fucoidan in high-fat diet-fed mice vary with the gut microbiota structure.

Food & function , Volume: 13 Issue: 11 2022 Jun 6

Authors Zhang X,You Y,Wang L,Ai C,Huang L,Wang S,Wang Z,Song S,Zhu B

A Three-Day Intervention With Granola Containing Cereal Beta-Glucan Improves Glycemic Response and Changes the Gut Microbiota in Healthy Individuals: A Crossover Study.

Frontiers in nutrition , Volume: 9 2022

Authors Telle-Hansen VH,Gaundal L,Høgvard B,Ulven SM,Holven KB,Byfuglien MG,Måge I,Knutsen SH,Ballance S,Rieder A,Rud I,Myhrstad MCW

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

Digestive Characteristics of Hericium erinaceus Polysaccharides and Their Positive Effects on Fecal Microbiota of Male and Female Volunteers During in vitro Fermentation.

Frontiers in nutrition , Volume: 9 2022

Authors Tian B,Geng Y,Xu T,Zou X,Mao R,Pi X,Wu W,Huang L,Yang K,Zeng X,Sun P

Dietary Supplementation With Fine-Grinding Wheat Bran Improves Lipid Metabolism and Inflammatory Response via Modulating the Gut Microbiota Structure in Pregnant Sow.

Frontiers in microbiology , Volume: 13 2022

Authors Wang Z,Chen Y,Wang W,Huang C,Hu Y,Johnston L,Wang F

Storage Stability and Consumer Acceptability of Dried Apple: Impact of Citric Acid, Potassium Sorbate and Moringa oleifera Leaf Extract Powder.

Foods (Basel, Switzerland) , Volume: 11 Issue: 7 2022 Mar 28

Authors Arendse W,Jideani V

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

Effects of Ramadan and Non-ramadan Intermittent Fasting on Gut Microbiome.

Frontiers in nutrition , Volume: 9 2022

Authors Mousavi SN,Rayyani E,Heshmati J,Tavasolian R,Rahimlou M

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

Intestinal Mucosal Immunity-Mediated Modulation of the Gut Microbiome by Oral Delivery of Enterococcus faecium Against Salmonella Enteritidis Pathogenesis in a Laying Hen Model.

Frontiers in immunology , Volume: 13 2022

Authors Huang S,Rong X,Liu M,Liang Z,Geng Y,Wang X,Zhang J,Ji C,Zhao L,Ma Q

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

Integrated metagenomics-metabolomics analysis reveals the cecal microbial composition, function, and metabolites of pigs

fed diets with different starch sources.

Food research international (Ottawa, Ont.) , Volume: 154 2022 Apr

Authors Yu M,Li Z,Rong T,Tian Z,Deng D,Lu H,Zhang R,Ma X

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

Biology , Volume: 11 Issue: 3 2022 Mar 21

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

Riboflavin Bioenriched Soymilk Alleviates Oxidative Stress Mediated Liver Injury, Intestinal Inflammation, and Gut Microbiota Modification in B(2) Depletion-Repletion Mice.

Journal of agricultural and food chemistry , Volume: 70 Issue: 12 2022 Mar 30

Authors Zhu YY,Thakur K,Feng JY,Zhang JG,Hu F,Cespedes-Acuña CL,Liao C,Wei ZJ

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

Nutrients , Volume: 14 Issue: 3 2022 Jan 30

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

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

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

Frontiers in bioengineering and biotechnology , Volume: 10 2022

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

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

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 148 2022 Apr

Authors Garzarella EU,Navajas-Porras B,Pérez-Burillo S,Ullah H,Esposito C,Santarcangelo C,Hinojosa-Noguera D,Pastoriza S,Zaccaria V,Xiao J,Rufián-Henares JA,Daglia M

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

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

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

Effects of Live Combined Bacillus subtilis and Enterococcus faecium on Gut Microbiota Composition in C57BL/6 Mice and in Humans.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Pi X,Teng W,Fei D,Zhao G,Liu W

Pre-Administration of Berberine Exerts Chemopreventive Effects in AOM/DSS-Induced Colitis-Associated Carcinogenesis Mice via Modulating Inflammation and Intestinal Microbiota.

Nutrients , Volume: 14 Issue: 4 2022 Feb 9

Authors Deng J,Zhao L,Yuan X,Li Y,Shi J,Zhang H,Zhao Y,Han L,Wang H,Yan Y,Zhao H,Wang H,Zou F

Identification of a novel probiotic and its protective effects on NAFLD via modulating gut microbial community.

Journal of the science of food and agriculture , Volume: 102 Issue: 11 2022 Aug 30

Authors Geng W,Zhang Y,Yang J,Zhang J,Zhao J,Wang J,Jia L,Wang Y

Substitution of Refined Conventional Wheat Flour with Wheat High in Resistant Starch Modulates the Intestinal Microbiota and Fecal Metabolites in Healthy Adults: A Randomized, Controlled Trial.

The Journal of nutrition , 2022 Jan 31

Authors Gondalia SV,Wymond B,Benassi-Evans B,Berbezzy P,Bird AR,Belobrjadic DP

Bifidobacterium animalis subsp. lactis BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.

Frontiers in nutrition , Volume: 8 2021

Authors Mao K,Gao J,Wang X,Li X,Geng S,Zhang T,Sadiq FA,Sang Y

Bifidobacterium bifidum Shows More Diversified Ways of Relieving Non-Alcoholic Fatty Liver Compared with Bifidobacterium adolescentis.

Biomedicines , Volume: 10 Issue: 1 2021 Dec 31

Authors Wang L,Jiao T,Yu Q,Wang J,Wang L,Wang G,Zhang H,Zhao J,Chen W

Curcumin Supplementation (Meriva®) Modulates Inflammation, Lipid Peroxidation and Gut Microbiota Composition in Chronic Kidney Disease.

Nutrients , Volume: 14 Issue: 1 2022 Jan 5

Authors Pivari F,Mingione A,Piazzini G,Ceccarani C,Ottaviano E,Brasacchio C,Dei Cas M,Vischi M,Cozzolino MG,Fogagnolo P,Riva A,Petrangolini G,Barrea L,Di Renzo L,Borghi E,Signorelli P,Paroni R,Soldati L

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 Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.

International journal of molecular sciences , Volume: 23 Issue: 1 2021 Dec 24

Authors Wellington VNA,Sundaram VL,Singh S,Sundaram U

Berberine ameliorates aGVHD by gut microbiota remodelling, TLR4 signalling suppression and colonic barrier repairment for NLRP3 inflammasome inhibition.

Journal of cellular and molecular medicine , Volume: 26 Issue: 4 2022 Feb

Authors Zhao Y,Huang J,Li T,Zhang S,Wen C,Wang L

Yeast β-Glucan Altered Intestinal Microbiome and Metabolome in Older Hens.

Frontiers in microbiology , Volume: 12 2021

Authors Zhen W,Liu Y,Shao Y,Ma Y,Wu Y,Guo F,Abbas W,Guo Y,Wang Z

Dietary Amylose/Amylopectin Ratio Modulates Cecal Microbiota and Metabolites in Weaned Goats.

Frontiers in nutrition , Volume: 8 2021

Authors Gebeyew K,Chen K,Wassie T,Azad MAK,He J,Jiang W,Song W,He Z,Tan Z

Dietary Quercetin Supplementation Attenuates Diarrhea and Intestinal Damage by Regulating Gut Microbiota in Weanling Piglets.

Oxidative medicine and cellular longevity , Volume: 2021 2021

Authors Xu B,Qin W,Xu Y,Yang W,Chen Y,Huang J,Zhao J,Ma L

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

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

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

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

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

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

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

Gut microbiota modulation as a possible mediating mechanism for fasting-induced alleviation of metabolic complications: a systematic review.

Nutrition & metabolism , Volume: 18 Issue: 1 2021 Dec 14

Authors Angoorani P,Ejtahed HS,Hasani-Ranjbar S,Siadat SD,Soroush AR,Larijani B

Intermittent Fasting Reshapes the Gut Microbiota and Metabolome and Reduces Weight Gain More Effectively Than Melatonin in Mice.

Frontiers in nutrition , Volume: 8 2021

Authors Liu J,Zhong Y,Luo XM,Ma Y,Liu J,Wang H

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

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

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

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

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

Nutrients , Volume: 13 Issue: 11 2021 Oct 29

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

Characterization and prebiotic properties of pectin polysaccharide from Clausena lansium (Lour.) Skeels fruit.

International journal of biological macromolecules , Volume: 194 2022 Jan 1

Authors Song C,Huang F,Liu L,Zhou Q,Zhang D,Fang Q,Lei H,Niu H

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

Frontiers in cellular and infection microbiology , Volume: 11 2021

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

Inulin-grown Faecalibacterium prausnitzii cross-feeds fructose to the human intestinal epithelium.

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

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

Gut microbiota-a positive contributor in the process of intermittent fasting-mediated obesity control.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 4 2021 Dec

Authors Rong B,Wu Q,Saeed M,Sun C

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

Berberine inhibits dendritic cells differentiation in DSS-induced colitis by promoting *Bacteroides fragilis*.

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

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

Low molecular weight fucoidan fraction LF2 improves metabolic syndrome via up-regulating PI3K-AKT-mTOR axis and increasing the abundance of Akkermansia muciniphila in the gut microbiota.

International journal of biological macromolecules , Volume: 193 Issue: Pt A 2021 Dec 15

Authors Deng Z,Wu N,Wang J,Geng L,Yue Y,Wang F,Zhang Q

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

Cinnamaldehyde Promotes the Intestinal Barrier Functions and Reshapes Gut Microbiome in Early Weaned Rats.

Frontiers in nutrition , Volume: 8 2021

Authors Qi L,Mao H,Lu X,Shi T,Wang J

Effects of dietary tributyrin and phytosterol ester supplementation on growth performance, intestinal morphology, microbiota and metabolites in weaned piglets.

Journal of applied microbiology , 2021 Oct 27

Authors Chen G,Zhuo R,Ding H,Yang K,Xue J,Zhang S,Chen L,Yin Y,Fang R

Effects of Different Methionine Levels in Low Protein Diets on Production Performance, Reproductive System, Metabolism, and Gut Microbiota in Laying Hens.

Frontiers in nutrition , Volume: 8 2021

Authors Ma M,Geng S,Liu M,Zhao L,Zhang J,Huang S,Ma Q

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

Journal of animal science , 2021 Oct 23

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

Lactobacillus kefiranciensis: From Isolation and Taxonomy to Probiotic Properties and Applications.

Microorganisms , Volume: 9 Issue: 10 2021 Oct 16

Authors Georgalaki M,Zoumpopoulou G,Anastasiou R,Kazou M,Tsakalidou E

Fucoidan Protects Against High-Fat Diet-Induced Obesity and Modulates Gut Microbiota in Institute of Cancer Research Mice.

Journal of medicinal food , Volume: 24 Issue: 10 2021 Oct

Authors Huang J,Huang J,Li Y,Lv H,Yin T,Fan S,Zhang C,Li H

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

A Pectin-Rich, Baobab Fruit Pulp Powder Exerts Prebiotic Potential on the Human Gut Microbiome In Vitro.

Microorganisms , Volume: 9 Issue: 9 2021 Sep 17

Authors Foltz M,Zahradník AC,Van den Abbeele P,Ghyselinck J,Marzorati M

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

Microorganisms , Volume: 9 Issue: 9 2021 Sep 7

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

Lactobacillus reuteri FYNLJ109L1 Attenuating Metabolic Syndrome in Mice via Gut Microbiota Modulation and Alleviating Inflammation.

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

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

The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.

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

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

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

Lacticaseibacillus paracasei NK112 mitigates Escherichia coli-induced depression and cognitive impairment in mice by regulating IL-6 expression and gut microbiota.

Beneficial microbes , 2021 Sep 13

Authors Yun SW,Kim JK,Han MJ,Kim DH

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

Broccoli Florets Supplementation Improves Insulin Sensitivity and Alters Gut Microbiome Population-A Steatosis Mice Model Induced by High-Fat Diet.

Frontiers in nutrition , Volume: 8 2021

Authors Zandani G,Anavi-Cohen S,Tsybina-Shimshilashvili N,Sela N,Nyska A,Madar Z

Vitamin D and The Gut Microbiota: a Narrative Literature Review.

Clinical nutrition research , Volume: 10 Issue: 3 2021.Jul

Authors Tangestani H,Boroujeni HK,Djafarian K,Emamat H,Shab-Bidar S

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-lactoferrapin-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

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

The effects of sustained fitness improvement on the gut microbiome: A longitudinal, repeated measures case-study approach.

Translational sports medicine , Volume: 4 Issue: 2 2021 Mar

Authors Barton W,Cronin O,Garcia-Perez I,Whiston R,Holmes E,Woods T,Molloy CB,Molloy MG,Shanahan F,Cotter PD,O'Sullivan O

Home-based exercise training influences gut bacterial levels in multiple sclerosis.

Complementary therapies in clinical practice , Volume: 45 2021 Jul 30

Authors Mokhtarzade M,Molanouri Shamsi M,Abolhasani M,Bakhshi B,Sahraian MA,Quinn LS,Negaresh R

Pectin and homogalacturonan with small molecular mass modulate microbial community and generate high SCFAs via in vitro gut fermentation.

Carbohydrate polymers , Volume: 269 2021 Oct 1

Authors Zhao Y,Bi J,Yi J,Wu X,Ma Y,Li R

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

An exercise intervention alters stool microbiota and metabolites among older, sedentary adults.

Therapeutic advances in infectious disease , Volume: 8 2021 Jan-Dec

Authors Erlandson KM,Liu J,Johnson R,Dillon S,Jankowski CM,Kroehl M,Robertson CE,Frank DN,Tuncil Y,Higgins J,Hamaker B,Wilson CC

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

Multifunctional antibacterial films with silver nanoparticles reduced in situ by lemon juice.

Food chemistry , Volume: 365 2021 Dec 15

Authors Chen Q,Ma J,Hu Y,Fei P

Effects of Fermented Milk Containing *Lacticaseibacillus paracasei* Strain Shirota on Constipation in Patients with Depression: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 13 Issue: 7 2021.Jun 29

Authors Zhang X,Chen S,Zhang M,Ren F,Ren Y,Li Y,Liu N,Zhang Y,Zhang Q,Wang R

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

Nutrients , Volume: 13 Issue: 6 2021.Jun 9

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

Effects of Wine and Its Microbial-Derived Metabolites on Intestinal Permeability Using Simulated Gastrointestinal Digestion/Colonic Fermentation and Caco-2 Intestinal Cell Models.

Microorganisms , Volume: 9 Issue: 7 2021.Jun 24

Authors Zorraquín-Peña I,Taladriz D,Tamargo A,Silva M,Molinero N,de Llano DG,Bartolomé B,Moreno-Arribas MV

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

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

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

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

The Chemical Compositions, and Antibacterial and Antioxidant Activities of Four Types of Citrus Essential Oils.

Molecules (Basel, Switzerland) , Volume: 26 Issue: 11 2021.Jun 4

Authors Lin X,Cao S,Sun J,Lu D,Zhong B,Chun J

Green banana flour supplementation improves obesity-associated systemic inflammation and regulates gut microbiota profile in mice fed high-fat diets.

Applied physiology, nutrition, and metabolism = Physiologie appliquée, nutrition et metabolisme , Volume: 46 Issue: 12 2021 Dec

Authors Rosado CP,Rosa VHC,Martins BC,Soares AC,Almo A,Monteiro EB,Mulder ADRP,Moura-Nunes N,Daleprane JB

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

PLoS one , Volume: 16 Issue: 6 2021

Authors Jung TH,Han KS

Orange Juice and Yogurt Carrying Probiotic *Bacillus coagulans* GBI-30 6086: Impact of Intake on Wistar Male Rats Health Parameters and Gut Bacterial Diversity.

Frontiers in microbiology , Volume: 12 2021

Authors Almada-Érix CN,Almada CN,Cabral L,Barros de Medeiros VP,Roquette AR,Santos-Junior VA,Fontes M,Gonçalves AEES,Dos Santos A,Lollo PC,Magnani M,Sant'Ana AS

Spore-forming *Bacillus coagulans* SNZ 1969 improved intestinal motility and constipation perception mediated by microbial alterations in healthy adults with mild intermittent constipation: A randomized controlled trial.

Food research international (Ottawa, Ont.) , Volume: 146 2021 Aug

Authors Kang S,Park MY,Brooks I,Lee J,Kim SH,Kim JY,Oh B,Kim JW,Kwon O

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

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

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- β -cyclodextrin complex.

Food chemistry , Volume: 361 2021 Nov 1

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

Intensive, prolonged exercise seemingly causes gut dysbiosis in female endurance runners.

Journal of clinical biochemistry and nutrition , Volume: 68 Issue: 3 2021 May

Authors Morishima S,Aoi W,Kawamura A,Kawase T,Takagi T,Naito Y,Tsukahara T,Inoue R

Effect of fucoidan on ethanol-induced liver injury and steatosis in mice and the underlying mechanism.

Food & nutrition research , Volume: 65 2021

Authors Xue M,Liang H,Zhou Z,Liu Y,He X,Zhang Z,Sun T,Yang J,Qin Y,Qin K

Lactobacillus rhamnosus from human breast milk ameliorates ulcerative colitis in mice via gut microbiota modulation.

Food & function , Volume: 12 Issue: 11 2021.Jun 8

Authors Pang B,Jin H,Liao N,Li J,Jiang C,Shao D,Shi J

A multi-omics approach for understanding the effects of moderate wine consumption on human intestinal health.

Food & function , Volume: 12 Issue: 9 2021 May 11

Authors Belda I,Cueva C,Tamargo A,Ravarani CN,Acedo A,Bartolomé B,Moreno-Arribas MV

Dietary broccoli improves markers associated with glucose and lipid metabolism through modulation of gut microbiota in mice.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 90 2021 Oct

Authors Zandani G,Kaftori-Sandler N,Sela N,Nyska A,Madar Z

Lactobacillus Sp 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 Gulinaz A,Nadeem J,Han JH,Lew LC,Son JD,Park YH,Rather IA,Hor YY

Sargassum fusiforme fucoidan modifies gut microbiota and intestinal metabolites during alleviation of hyperglycemia in type 2 diabetic mice.

Food & function , Volume: 12 Issue: 8 2021 Apr 26

Authors Wu Q,Wu S,Cheng Y,Zhang Z,Mao G,Li S,Yang Y,Zhang X,Wu M,Tong H

Gut modulation based anti-diabetic effects of carboxymethylated wheat bran dietary fiber in high-fat diet/streptozotocin-induced diabetic mice and their potential mechanisms.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 152 2021 Jun

Authors Li XX,Zhang XX,Zhang R,Ni ZJ,Elam E,Thakur K,Cespedes-Acuña CL,Zhang JG,Wei ZJ

Epigallocatechin Gallate Can Protect Mice From Acute Stress Induced by LPS While Stabilizing Gut Microbes and Serum Metabolites Levels.

Frontiers in immunology , Volume: 12 2021

Authors Ma Y,Liu G,Tang M,Fang J,Jiang H

A comprehensive review on the impact of β-glucan metabolism by Bacteroides and Bifidobacterium species as members of the gut microbiota.

International journal of biological macromolecules , Volume: 181 2021 Jun 30

Authors Fernandez-Julia PJ,Munoz-Munoz J,van Sinderen D

Acidic pH enhances butyrate production from pectin by faecal microbiota.

FEMS microbiology letters , Volume: 368 Issue: 7 2021 May 4

Authors Raba G,Adamberg S,Adamberg K

Phytochemical analysis of medicinal plants of Nepal and their antibacterial and antibiofilm activities against uropathogenic Escherichia coli.

BMC complementary medicine and therapies , Volume: 21 Issue: 1 2021 Apr 9

Authors Bhandari S,Khadayat K,Poudel S,Shrestha S,Shrestha R,Devkota P,Khanal S,Marasini BP

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

Implications of Tributyrin on Gut Microbiota Shifts Related to Performances of Weaning Piglets.

Microorganisms , Volume: 9 Issue: 3 2021 Mar 12

Authors Miragoli F,Patrone V,Prandini A,Sigolo S,Dell'Anno M,Rossi L,Senizza A,Morelli L,Callegari ML

A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial.

Nutrients , Volume: 13 Issue: 4 2021 Mar 27

Authors Barnett MPG,Young W,Armstrong K,Brewster D,Cooney JM,Elliott S,Espley RV,Laing W,Maclean P,McGhie T,Pringle G,Roy NC,Ferguson LR

Influence of Short-Term Consumption of Hericium erinaceus on Serum Biochemical Markers and the Changes of the Gut Microbiota: A Pilot Study.

Nutrients , Volume: 13 Issue: 3 2021 Mar 21

Authors Xie XQ,Geng Y,Guan Q,Ren Y,Guo L,Lv Q,Lu ZM,Shi JS,Xu ZH

Influence of Short-Term Consumption of Hericium erinaceus on Serum Biochemical Markers and the Changes of the Gut Microbiota: A Pilot Study.

Nutrients , Volume: 13 Issue: 3 2021 Mar 21

Authors Xie XQ,Geng Y,Guan Q,Ren Y,Guo L,Lv Q,Lu ZM,Shi JS,Xu ZH

Sulfoquinovose is a select nutrient of prominent bacteria and a source of hydrogen sulfide in the human gut.

The ISME journal , 2021 Mar 31

Authors Hanson BT,Dimitri Kits K,Löffler J,Burrichter AG,Fiedler A,Denger K,Frommeyer B,Herbold CW,Rattei T,Karcher N,Segata N,Schleheck D,Loy A

Fasting alters the gut microbiome reducing blood pressure and body weight in metabolic syndrome patients.

Nature communications , Volume: 12 Issue: 1 2021 Mar 30

Authors Maifeld A,Bartolomaeus H,Löber U,Avery EG,Steckhan N,Markó L,Wilck N,Hamad I,Šušnjar U,Mähler A,Hohmann C,Chen CY,Cramer H,Dobos G,Lesker TR,Strowitz T,Dechend R,Bzdok D,Kleinewietfeld M,Michalsen A,Müller DN,Forslund SK

Gut Microbiota and Its Metabolite Deoxycholic Acid Contribute to Sucrose Consumption-Induced Nonalcoholic Fatty Liver Disease.

Journal of agricultural and food chemistry , Volume: 69 Issue: 13 2021 Apr 7

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

Lactobacillus acidophilus LA5 improves saturated fat-induced obesity mouse model through the enhanced intestinal

Akkermansia muciniphila.**Scientific reports , Volume: 11 Issue: 1 2021 Mar 18**

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

Lactobacillus paracasei DTA81, a cholesterol-lowering strain having immunomodulatory activity, reveals gut microbiota regulation capability in BALB/c mice receiving high-fat diet.**Journal of applied microbiology , Volume: 131 Issue: 4 2021 Oct**

Authors Tarrah A,Dos Santos Cruz BC,Sousa Dias R,da Silva Duarte V,Pakroo S,Licursi de Oliveira L,Gouveia Peluzio MC,Corich V,Giacomini A,Oliveira de Paula S

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

Ramadan Fasting Leads to Shifts in Human Gut Microbiota Structured by Dietary Composition.**Frontiers in microbiology , Volume: 12 2021**

Authors Ali I,Liu K,Long D,Faisal S,Hilal MG,Ali I,Huang X,Long R

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

Green Synthesis of Silver Nanoparticles from the Extracts of Fruit Peel of Citrus tangerina, Citrus sinensis, and Citrus limon for Antibacterial Activities.**Bioinorganic chemistry and applications , Volume: 2021 2021**

Authors Niluxsshun MCD,Masilamani K,Mathiventhan U

Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice.**mSystems , Volume: 6 Issue: 1 2021 Feb 23**

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

Effects of colon-targeted vitamins on the composition and metabolic activity of the human gut microbiome- a pilot study.**Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec**

Authors Pham VT,Fehlbaum S,Seifert N,Richard N,Bruins MJ,Sybesma W,Rehman A,Steinert RE

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

The effect of acute moderate-intensity exercise on the serum and fecal metabolomes and the gut microbiota of cross-country endurance athletes.**Scientific reports , Volume: 11 Issue: 1 2021 Feb 11**

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

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

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

Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With Bacillus subtilis-Fermented Milk via Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.**Frontiers in microbiology , Volume: 11 2020**

Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R

Differential analysis of gut microbiota and the effect of dietary Enterococcus faecium supplementation in broiler breeders with high or low laying performance.**Poultry science , Volume: 100 Issue: 2 2021 Feb**

Authors Wang J,Wan C,Shuju Z,Yang Z,Celi P,Ding X,Bai S,Zeng Q,Mao X,Xu S,Zhang K,Li M

Effects of novel probiotic strains of *Bacillus pumilus* and *Bacillus subtilis* on production, gut health, and immunity of broiler chickens raised under suboptimal conditions.

Poultry science , Volume: 100 Issue: 3 2021 Mar

Authors Bilal M,Si W,Barbe F,Chevaux E,Sienkiewicz O,Zhao X

Bifidobacterium pseudocatenulatum Ameliorates DSS-Induced Colitis by Maintaining Intestinal Mechanical Barrier, Blocking Proinflammatory Cytokines, Inhibiting TLR4/NF-?B Signaling, and Altering Gut Microbiota.

Journal of agricultural and food chemistry , Volume: 69 Issue: 5 2021 Feb 10

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

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

Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (*Gallus gallus*): A Systematic Review.

Nutrients , Volume: 13 Issue: 1 2021 Jan 9

Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E

Dietary Inulin Supplementation Modulates Short-Chain Fatty Acid Levels and Cecum Microbiota Composition and Function in Chickens Infected With Salmonella.

Frontiers in microbiology , Volume: 11 2020

Authors Song J,Li Q,Everaert N,Liu R,Zheng M,Zhao G,Wen J

Selective Utilization of the Human Milk Oligosaccharides 2'-Fucosyllactose, 3-Fucosyllactose, and Difucosyllactose by Various Probiotic and Pathogenic Bacteria.

Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13

Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Anglenius H,Maukonen J

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

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

Food Addiction and Tobacco Use Disorder: Common Liability and Shared Mechanisms.

Nutrients , Volume: 12 Issue: 12 2020 Dec 15

Authors Zawertailo L,Attwells S,deRuiter WK,Le TL,Dawson D,Selby P

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

The potential role of vitamin D supplementation as a gut microbiota modifier in healthy individuals.

Scientific reports , Volume: 10 Issue: 1 2020 Dec 10

Authors Singh P,Rawat A,Alwakeel M,Sharif E,Al Khodor S

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

The Osteoporosis/Microbiota Linkage: The Role of miRNA.

International journal of molecular sciences , Volume: 21 Issue: 23 2020 Nov 24

Authors De Martinis M,Ginaldi L,Allegra A,Sirufo MM,Pioggia G,Tonacci A,Gangemi S

Modulation of gut microbiota and intestinal barrier function during alleviation of antibiotic-associated diarrhea with

Rhizoma Zingiber officinale (Ginger) extract.

Food & function , Volume: 11 Issue: 12 2020 Dec 1

Authors Ma ZJ ,Wang HJ ,Ma XJ ,Li Y,Yang HJ ,Li H,Su JR ,Zhang CE ,Huang LQ

Antibacterial Activity of Honey Samples from Ukraine.

Veterinary sciences , Volume: 7 Issue: 4 2020 Nov 20

Authors Cilia G,Fratini F,Marchi M,Sagona S,Turchi B,Adamchuk L,Felicioli A,Kacániová M

Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.

European journal of nutrition , 2020 Nov 22

Authors Xu H,Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H

Curcumin inhibits lipopolysaccharide and lipoteichoic acid-induced expression of proinflammatory cytokines and production of PGE(2) in the primary bursal endometrial stromal cells.

Molecular biology reports , Volume: 47 Issue: 12 2020 Dec

Authors Ali A,Dar RR,Ahmad SF,Singh SK,Patra MK,Panićrahi 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 Paytuví-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

Randomized trial assessing impact of probiotic supplementation on gut microbiome and clinical outcome from targeted therapy in metastatic renal cell carcinoma.

Cancer medicine , Volume: 10 Issue: 1 2021 Jan

Authors Dizman N,Hsu J,Bergerot PG,Gillece JD,Folkerts M,Reining L,Trent J,Highlander SK,Pal SK

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* KLD 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 Evirie SE,Abdelazez A,Li B,Lu S,Liu F,Huo G

Oat bran and wheat bran impact net energy by shaping microbial communities and fermentation products in pigs fed diets with or without xylanase.

Journal of animal science and biotechnology , Volume: 11 2020

Authors Lyu Z,Wang L,Wang J,Wang Z,Zhang S,Wang J,Cheng J,Lai C

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

Dietary supplementation of *Bacillus subtilis* PB6 improves sow reproductive performance and reduces piglet birth intervals.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 6 Issue: 3 2020 Sep

Authors Zhang Q,Li J,Cao M,Li Y,Zhuo Y,Fang Z,Che L,Xu S,Feng B,Lin Y,Jiang X,Zhao X,Wu D

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,Bartkienė E,Stankevičius A,Bernatoniene J,Zadeikė D,Lele V,Starkutė V,Zavistanaviciute P,Grigas J,Zokaitė E,Pautienės A,Juodeikienė G,Jakstas V

Synergistic Effect of Berberine-Based Chinese Medicine Assembled Nanostructures on Diarrhea-Predominant Irritable Bowel Syndrome In Vivo.

Frontiers in pharmacology , Volume: 11 2020

Authors Li L,Cui H,Li T,Qi J,Chen H,Gao F,Tian X,Mu Y,He R,Lv S,Chu F,Xu B,Wang P,Lei H,Xu H,Wang C

Does Curcumin Have a Role in the Interaction between Gut Microbiota and *Schistosoma mansoni* in Mice?

Pathogens (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 19

Authors Anter A,El-Ghany MA,Abou El Dahab M,Mahana N

Feasibility and effects on the gut microbiota of a 12-week high-intensity interval training plus lifestyle education intervention

on inactive adults with celiac disease.

Applied physiology, nutrition, and metabolism = Physiologie appliquée, nutrition et metabolisme , Volume: 46

Issue: 4 2021 Apr

Authors Warbeck C,Dowd AJ,Kronlund L,Parmar C,Daun JT,Wytsma-Fisher K,Millet GY,Schick A,Reimer RA,Fung T,Culos-Reed SN

Exercise Preconditioning Attenuates the Response to Experimental Colitis and Modifies Composition of Gut Microbiota in Wild-Type Mice.

Life (Basel, Switzerland) , Volume: 10 Issue: 9 2020 Sep 14

Authors Cho J,Kim D,Kang H

Relative abundance of the Prevotella genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.

BMC microbiology , Volume: 20 Issue: 1 2020 Sep 14

Authors Chung WSF,Walker AW,Boscher D,Garcia-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ

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

Photodynamic antimicrobial chemotherapy (PACT) using riboflavin inhibits the mono and dual species biofilm produced by antibiotic resistant *Staphylococcus aureus* and *Escherichia coli*.

Photodiagnosis and photodynamic therapy , Volume: 32 2020 Dec

Authors Banerjee S,Ghosh D,Vishakha K,Das S,Mondal S,Ganguli A

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

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

The effects of dairy and dairy derivatives on the gut microbiota: a systematic literature review.

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Aslam H,Marx W,Rocks T,Loughman A,Chandrasekaran V,Ruusunen A,Dawson SL,West M,Mullarkey E,Pasco JA,Jacka FN

A novel inulin-type fructan from *Asparagus cochinchinensis* and its beneficial impact on human intestinal microbiota.

Carbohydrate polymers , Volume: 247 2020 Nov 1

Authors Sun Q,Zhu L,Li Y,Cui Y,Jiang S,Tao N,Chen H,Zhao Z,Xu J,Dong C

Contributions of *Lactobacillus plantarum* PC170 administration on the recovery of gut microbiota after short-term ceftriaxone exposure in mice.

Beneficial microbes , Volume: 11 Issue: 5 2020 Sep 1

Authors Cheng R,Liang H,Zhang Y,Guo J,Miao Z,Shen X,Chen G,Cheng G,Li M,He F

Impacts of Habitual Diets Intake on Gut Microbial Counts in Healthy Japanese Adults.

Nutrients , Volume: 12 Issue: 8 2020 Aug 12

Authors Sugimoto T,Shima T,Amamoto R,Kagai C,Kado Y,Watanabe O,Shiioki J,Iwazaki K,Shigemura H,Tsuji H,Matsumoto S

Modulation of gut microbiota mediates berberine-induced expansion of immuno-suppressive cells to against alcoholic liver disease.

Clinical and translational medicine , Volume: 10 Issue: 4 2020 Aug

Authors Li S,Wang N,Tan HY,Chueng F,Zhang ZJ,Yuen MF,Feng Y

Vitamin D Supplementation in Laboratory-Bred Mice: An In Vivo Assay on Gut Microbiome and Body Weight.

Microbiology insights , Volume: 13 2020

Authors Badger-Emeka LI,AlJaziri ZY,Almulhim CF,Aldrees AS,AlShakhs ZH,AlAithan RI,Alothman FA

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

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

Enterococcus faecium Modulates the Gut Microbiota of Broilers and Enhances Phosphorus Absorption and Utilization.

Animals : an open access journal from MDPI , Volume: 10 Issue: 7 2020 Jul 20

Authors Wang W,Cai H,Zhang A,Chen Z,Chang W,Liu G,Deng X,Bryden WL,Zheng A

Early supplementation of *Saccharomyces cerevisiae boulardii* CNCM I-1079 in newborn dairy calves increases IgA production in the intestine at 1 week of age.

Journal of dairy science , Volume: 103 Issue: 9 2020 Sep

Authors Villot C,Chen Y,Pedgerachny K,Chaucheyras-Durand F,Chevaux E,Skidmore A,Guan LL,Steele MA

Effect of banana pulp dietary fibers on metabolic syndrome and gut microbiota diversity in high-fat diet mice.

Journal of food biochemistry , 2020 Jul 14

Authors Wei G,Ye Y,Yan X,Chao X,Yang F,Wang M,Zhang W,Yuan C,Zeng Q

Anti-Obesity Effect of *Lactobacillus plantarum LB818* Is Associated with Regulation of Gut Microbiota in High-Fat Diet-Fed Obese Mice.

Journal of medicinal food , Volume: 23 Issue: 7 2020 Jul

Authors Hussain A,Kwon MH,Kim HK,Lee HS,Cho JS,Lee YI

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

Dietary Methionine Restriction Ameliorated Fat Accumulation, Systemic Inflammation, and Increased Energy Metabolism by Altering Gut Microbiota in Middle-Aged Mice Administered Different Fat Diets.

Journal of agricultural and food chemistry , Volume: 68 Issue: 29 2020 Jul 22

Authors Wu G,Shi Y,Han L,Feng C,Ge Y,Yu Y,Tang X,Cheng X,Sun J,Le GW

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

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 chitoooligosaccharides 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,Starchi C,Tmava Berisha A,Amrein K

Time-restricted feeding is associated with changes in human gut microbiota related to nutrient intake.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 78 2020 Oct

Authors Zeb F,Wu X,Chen L,Fatima S,Ijaz-Ul-Haq,Chen A,Xu C,Jianglei R,Feng Q,Li M

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

Co-Culture with <i>Bifidobacterium catenulatum</i> Improves the Growth, Gut Colonization, and Butyrate Production of <i>Faecalibacterium prausnitzii</i>: In Vitro and In Vivo Studies.

Microorganisms , Volume: 8 Issue: 5 2020 May 25

Authors Kim H,Jeong Y,Kang S,You HJ,Ji GE

Auxiliary antitumor effects of fungal proteins from *Hericium erinaceus* by target on the gut microbiota.

Journal of food science , Volume: 85 Issue: 6 2020 Jun

Authors Wang D,Zhu X,Tang X,Li H,Yizhen X,Chen D

Dietary riboflavin deficiency induces ariboflavinosis and esophageal epithelial atrophy in association with modification of gut microbiota in rats.

European journal of nutrition , Volume: 60 Issue: 2 2021 Mar

Authors Pan F,Zhang LL,Luo HJ,Chen Y,Long L,Wang X,Zhuang PT,Li EM,Xu LY

Dietary supplementation with Lactobacillus plantarum modified gut microbiota, bile acid profile and glucose homoeostasis in weaning piglets.

The British journal of nutrition , Volume: 124 Issue: 8 2020 Oct 28

Authors Lin S,Yang X,Long Y,Zhong H,Wang P,Yuan P,Zhang X,Che L,Feng B,Li J,Zhuo Y,Lin Y,Xu S,Wu D,Fang Z

Synergistic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs.

European journal of nutrition , Volume: 60 Issue: 2 2021 Mar

Authors He J,Xie H,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H

Chemical Composition and Antioxidant, Antimicrobial, and Antiproliferative Activities of Cinnamomum zeylanicum Bark Essential Oil.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2020 2020

Authors Alizadeh Behbahani B,Falah F,Lavi Arab F,Vasiee M,Tabatabaei Yazdi F

Dietary Protein, Fiber and Coffee Are Associated with Small Intestine Microbiome Composition and Diversity in Patients with Liver Cirrhosis.

Nutrients , Volume: 12 Issue: 5 2020 May 13

Authors Hussain SK,Dong TS,Agopian V,Pisegna JR,Durazo FA,Enayati P,Sundaram V,Benhammou JN,Noureddin M,Choi G,Ayoub WS,Lagishetty V,Elashoff D,Goodman MT,Jacobs JP

[Discussion on the curative effect and mechanisms of berberine in rats with non-alcoholic fatty liver].

Zhonghua gan zang bing za zhi - Zhonghua ganzangbing zazhi = Chinese journal of hepatology , Volume: 28 Issue: 4 2020 Apr 20

Authors Li DH,Liu YT,Hao SR,Zheng JM,Hou HT,Wang YZ

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

< i>Lactobacillus paracasei</i> subsp. < i>paracasei</i> NTU 101 lyophilized powder improves loperamide-induced constipation in rats.

Heliyon , Volume: 6 Issue: 4 2020 Apr

Authors Chen CL,Chao SH,Pan TM

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,Chekhir-Ghedira L,Ghedira K

Consumption of two whole kiwifruit (Actinide chinensis) per day improves lipid homeostasis, fatty acid metabolism and gut microbiota in healthy rats.

International journal of biological macromolecules , Volume: 156 2020 Apr 9

Authors Alim A,Li T,Nisar T,Ren D,Liu Y,Yang X

Modulation of Pectin on Mucosal Innate Immune Function in Pigs Mediated by Gut Microbiota.

Microorganisms , Volume: 8 Issue: 4 2020 Apr 8

Authors Wu W,Zhang L,Xia B,Tang S,Xie J,Zhang H

Seasonal changes of circulating 25-hydroxyvitamin D correlate with the lower gut microbiome composition in inflammatory bowel disease patients.

Scientific reports , Volume: 10 Issue: 1 2020 Apr 7

Authors Soltyš K, Stuchlíkova M, Hlavatý T, Gaalová B, Budíš J, Gazdarica J, Krajcovicová A, Zelinková Z, Szemes T, Kubá D, Drahovská H, Turna J, Stuchlík S

2`-fucosyllactose Supplementation Improves Gut-Brain Signaling and Diet-Induced Obese Phenotype and Changes the Gut Microbiota in High Fat-Fed Mice.

Nutrients , Volume: 12 Issue: 4 2020 Apr 5

Authors Lee S, Goodson M, Vang W, Kalanetra K, Barile D, Raybould H

Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.

The British journal of nutrition , Volume: 124 Issue: 3 2020 Aug 14

Authors Wang W, Chen D, Yu B, Huang Z, Mao X, Zheng P, Luo Y, Yu J, Luo J, Yan H, He J

Ethanol extract of propolis prevents high-fat diet-induced insulin resistance and obesity in association with modulation of gut microbiota in mice.

Food research international (Ottawa, Ont.) , Volume: 130 2020 Apr

Authors Cai W, Xu J, Li G, Liu T, Guo X, Wang H, Luo L

Moringa Oleifera Oil Modulates Rumen Microflora to Mediate In Vitro Fermentation Kinetics and Methanogenesis in Total Mix Rations.

Current microbiology , Volume: 77 Issue: 7 2020 Jul

Authors Ebeid HM, Mengwei L, Khalil AE, Hassan FU, Lijuan P, Xin L, Chengjian Y

Synbiotic Effect of Whole Grape Seed Flour and Newly Isolated Kefir Lactic Acid Bacteria on Intestinal Microbiota of Diet-Induced Obese Mice.

Journal of agricultural and food chemistry , Volume: 68 Issue: 46 2020 Nov 18

Authors Seo KH, Kim DH, Yokoyama WH, Kim H

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.

Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun

Authors Hoffman JB, Petriello MC, Morris AJ, Mottaleb MA, Sui Y, Zhou C, Deng P, Wang C, Hennig B

Stable Colonization of Orally Administered Lactobacillus casei SY13 Alters the Gut Microbiota.

BioMed research international , Volume: 2020 2020

Authors Yue Y, Xu X, Yang B, Lu J, Zhang S, Liu L, Nassar K, Zhang C, Zhang M, Pang X, Lv J

Effects of whole-grain wheat, rye, and lignan supplementation on cardiometabolic risk factors in men with metabolic syndrome: a randomized crossover trial.

The American journal of clinical nutrition , Volume: 111 Issue: 4 2020 Apr 1

Authors Eriksen AK, Brunius C, Mazidi M, Hellström PM, Risérus U, Iversen KN, Fristedt R, Sun L, Huang Y, Nørskov NP, Knudsen KEB, Kyrø C, Olsen A, Tjønneland A, Dicksved J, Landberg R

Short-Term Fermented Soybeans with Bacillus amyloliquefaciens Potentiated Insulin Secretion Capacity and Improved Gut Microbiome Diversity and Intestinal Integrity To Alleviate Asian Type 2 Diabetic Symptoms.

Journal of agricultural and food chemistry , Volume: 68 Issue: 46 2020 Nov 18

Authors Jeong DY, Daily JW, Lee GH, Ryu MS, Yang HJ, Jeong SY, Qiu JY, Zhang T, Park S

Use of A Hydroalcoholic Extract of Moringa oleifera Leaves for the Green Synthesis of Bismuth Nanoparticles and Evaluation of Their Anti-Microbial and Antioxidant Activities.

Materials (Basel, Switzerland) , Volume: 13 Issue: 4 2020 Feb 15

Authors Das PE, Majdalawieh AF, Abu-Yousef IA, Narasimhan S, Poltronieri P

Structural changes in gut microbiome after Ramadan fasting: a pilot study.

Beneficial microbes , Volume: 11 Issue: 3 2020 May 11

Authors Ozkul C, Yalinay M, Karakan T

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

Green Synthesis of Encapsulated Copper Nanoparticles Using a Hydroalcoholic Extract of Moringa oleifera Leaves and Assessment of Their Antioxidant and Antimicrobial Activities.

Molecules (Basel, Switzerland) , Volume: 25 Issue: 3 2020 Jan 28

Authors Das PE, Abu-Yousef IA, Majdalawieh AF, Narasimhan S, Poltronieri P

Elucidation of the potential of Moringa oleifera leaves extract as a novel alternate to the chemical coagulant in water treatment process.

Water environment research : a research publication of the Water Environment Federation , Volume: 92 Issue: 7 2020 Jul

Authors Pandey P,Khan F,Mishra R,Singh SK

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

Saccharomyces boulardii Tht 500101 changes gut microbiota and ameliorates hyperglycaemia, dyslipidaemia, and liver inflammation in streptozotocin-diabetic mice.

Beneficial microbes , Volume: 10 Issue: 8 2019 Dec 9

Authors Albuquerque RCMF,Brandão ABP,De Abreu ICME,Ferreira FG,Santos LB,Moreira LN,Taddei CR,Aimbire F,Cunha TS

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

Inhibition of Bacteroidetes and Firmicutes by select phytochemicals.

Anaerobe , Volume: 61 2020 Feb

Authors Lakes JE,Richards CI,Flythe MD

Effect of time-restricted feeding on metabolic risk and circadian rhythm associated with gut microbiome in healthy males.

The British journal of nutrition , Volume: 123 Issue: 11 2020 Jun 14

Authors Zeb F,Wu X,Chen L,Fatima S,Haq IU,Chen A,Majeed F,Feng Q,Li M

Rapid gut microbiome changes in a world-class ultramarathon runner.

Physiological reports , Volume: 7 Issue: 24 2019 Dec

Authors Grosicki GJ,Durk RP,Bagley JR

Effect of dietary Moringa oleifera leaves on the performance, ileal microbiota and antioxidative status of broiler chickens.

Journal of animal physiology and animal nutrition , Volume: 104 Issue: 2 2020 Mar

Authors Abu Hafsa SH,Ibrahim SA,Eid YZ,Hassan AA

Islamic fasting leads to an increased abundance of Akkermansia muciniphila and Bacteroides fragilis group: A preliminary study on intermittent fasting.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 30

Issue: 12 2019 Dec

Authors Özkul C,Yalinay M,Karakan T

The impact of food additives, artificial sweeteners and domestic hygiene products on the human gut microbiome and its fibre fermentation capacity.

European journal of nutrition , Volume: 59 Issue: 7 2020 Oct

Authors Gerasimidis K,Bryden K,Chen X,Papachristou E,Verney A,Roig M,Hansen R,Nichols B,Papadopoulou R,Parrett A

Lactobacillus rhamnosus from human breast milk shows therapeutic function against foodborne infection by multi-drug resistant Escherichia coli in mice.

Food & function , Volume: 11 Issue: 1 2020 Jan 29

Authors Li N,Pang B,Liu G,Zhao X,Xu X,Jiang C,Yang B,Liu Y,Shi J

The Effect of Increasing Inclusion Levels of a Fucoidan-Rich Extract Derived from Ascophyllum nodosum on Growth Performance and Aspects of Intestinal Health of Pigs Post-Weaning.

Marine drugs , Volume: 17 Issue: 12 2019 Nov 30

Authors Rattigan R,Sweeney T,Vigors S,Thornton K,Rajauria G,O'Doherty AJV

Changes in human gut microbiota composition are linked to the energy metabolic switch during 10 d of Buchinger fasting.

Journal of nutritional science , Volume: 8 2019

Authors Mesnage R,Grundler F,Schwartz A,Le Maho Y,Wilhelmi de Toledo 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,Tellini M,Genovese DA,De Leo AAP,Papa P,Magistrali CF,Manuali E,Trabalza-Marinucci M,Moscato L,Forte C

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

Effects of grape pomace and seed polyphenol extracts on the recovery of gut microbiota after antibiotic treatment in high-fat diet-fed mice.

Food science & nutrition , Volume: 7 Issue: 9 2019 Sep

Authors Lu F,Liu F,Zhou Q,Hu X,Zhang Y

Propolis modulates the gut microbiota and improves the intestinal mucosal barrier function in diabetic rats.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 118 2019 Oct**Authors Xue M,Liu Y,Xu H,Zhou Z, Ma Y,Sun T,Liu M,Zhang H,Liang H**Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial.**The Journal of nutrition , 2019 Aug 28****Authors Christensen L,Vuholm S,Roager HM,Nielsen DS,Krych L,Kristensen M,Astrup A,Hjorth MF**Wheat Gluten Regulates Cholesterol Metabolism by Modulating Gut Microbiota in Hamsters with Hyperlipidemia.**Journal of oleo science , Volume: 68 Issue: 9 2019****Authors Liang TT,Tong LT,Geng DH,Wang LL,Zhou XR,Pu HY,Jia W,Wu QP,Huang JR**<i>Lactobacillus reuteri</i> 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**Raw Bowl Tea (Tuocha) Polyphenol Prevention of Nonalcoholic Fatty Liver Disease by Regulating Intestinal Function in Mice.**Biomolecules , Volume: 9 Issue: 9 2019 Sep 1****Authors Liu B,Zhang J,Sun P,Yi R,Han X,Zhao X**Adhesive <i>Bifidobacterium</i> Induced Changes in Cecal Microbiome Alleviated Constipation in Mice.**Frontiers in microbiology , Volume: 10 2019****Authors Wang L,Chen C,Cui S,Lee YK,Wang G,Zhao J,Zhang H,Chen W**Enterococcus faecium NCIMB 10415 administration improves the intestinal health and immunity in neonatal piglets infected by enterotoxigenic Escherichia coli K88.**Journal of animal science and biotechnology , Volume: 10 2019****Authors Peng X,Wang R,Hu L,Zhou Q,Liu Y,Yang M,Fang Z,Lin Y,Xu S,Feng B,Li J,Jiang X,Zhuo Y,Li H,Wu D,Che L**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**Exercise Training Modulates Gut Microbiota Profile and Improves Endotoxemia.**Medicine and science in sports and exercise , Volume: 52 Issue: 1 2020 Jan****Authors Motiani KK,Collado MC,Eskelinen JJ,Virtanen KA,Löytyniemi E,Salminen S,Nuutila P,Kalliokoski KK,Hannukainen JC**
Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.**Frontiers in immunology , Volume: 10 2019****Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van `t Land B,Tims S,Stahl B,Garssen J,Franch À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ**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**Improvement of non-invasive markers of NAFLD from an individualised, web-based exercise program.**Alimentary pharmacology & therapeutics , Volume: 50 Issue: 8 2019 Oct****Authors Huber Y,Pfirrmann D,Gebhardt I,Labenz C,Gehrke N,Straub BK,Ruckes C,Bantel H,Belda E,Clément K,Leeming DJ,Karsdal MA,Galle PR,Simon P,Schattenberg JM**Dietary Factors and Modulation of Bacteria Strains of <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,Gliscic M,Muka T**Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.**PloS one , Volume: 14 Issue: 7 2019**

Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgreen B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI

Maternal Exposure to Non-nutritive Sweeteners Impacts Progeny's Metabolism and Microbiome.

Frontiers in microbiology , Volume: 10 2019

Authors Olivier-Van Stichelen S,Rother KI,Hanover JA

The combination of wheat peptides and fucoidan protects against chronic superficial gastritis and alters gut microbiota: a double-blinded, placebo-controlled study.

European journal of nutrition , Volume: 59 Issue: 4 2020 Jun

Authors Kan J,Cheng J,Xu L,Hood M,Zhong D,Cheng M,Liu Y,Chen L,Du J

The Combination of Wheat Peptides and Fucoidan Protects Against Chronic Superficial Gastritis and Regulates Gut Microbiota: A Double-blinded, Placebo-controlled Study (P06-104-19).

Current developments in nutrition , Volume: 3 Issue: Suppl 1 2019 Jun

Authors Kan J,Du J

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

Microbiome-Metabolomics Analysis Investigating the Impacts of Dietary Starch Types on the Composition and Metabolism of Colonic Microbiota in Finishing Pigs.

Frontiers in microbiology , Volume: 10 2019

Authors Yu M,Li Z,Chen W,Rong T,Wang G,Ma X

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

Effects of Different Diets on Microbiota in The Small Intestine Mucus and Weight Regulation in Rats.

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

Authors Meng Y,Li X,Zhang J,Wang C,Lu F

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

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 Nejat 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

Administration of the Probiotic Escherichia coli Strain A0 34/86 Resulted in a Stable Colonization of the Human Intestine During the First Year of Life.

Probiotics and antimicrobial proteins , Volume: 12 Issue: 2 2020 Jun

Authors Micenková L,Bosák J,Smatana S,Novotný A,Budinská E,Šmajš D

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

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

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

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

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

Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschamps 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 EH,Kuijpers AFA,Wijnands LM,Evers EG

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,Cui HX,Xu XR

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

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

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

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

Frontiers in nutrition , Volume: 6 2019

Authors Jefferson A,Adolphus K

Lactobacillus reuteri Reduces the Severity of Experimental Autoimmune Encephalomyelitis in Mice by Modulating Gut Microbiota.

Frontiers in immunology , Volume: 10 2019

Authors He B,Hoang TK,Tian X,Taylor CM,Blanchard E,Luo M,Bhattacharjee MB,Freeborn J,Park S,Couturier J,Lindsey JW,Tran DQ,Rhoads JM,Liu Y

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

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

Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.

PeerJ , Volume: 7 2019

Authors De Paepe K,Verspreet J,Rezaei MN,Hidalgo Martinez S,Meysman F,Van de Walle D,Dewettinck K,Raes J,Courtin C,Van de Wiele T

Supplementation with *Lactobacillus kefiranofaciens ZW3* from Tibetan Kefir improves depression-like behavior in stressed mice by modulating the gut microbiota.

Food & function , Volume: 10 Issue: 2 2019 Feb 20

Authors Sun Y,Geng W,Pan Y,Wang J,Xiao P,Wang Y

Bacillus amyloliquefaciens Ameliorates Dextran Sulfate Sodium-Induced Colitis by Improving Gut Microbial Dysbiosis in Mice Model.

Frontiers in microbiology , Volume: 9 2018

Authors Cao G,Wang K,Li Z,Tao F,Xu Y,Lan J,Chen G,Yang C

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

Protein-Bound β -glucan from *Coriolus Versicolor* has Potential for Use Against Obesity.

Molecular nutrition & food research , Volume: 63 Issue: 7 2019 Apr

Authors Li X,Chen P,Zhang P,Chang Y,Cui M,Duan J

Effect of *Saccharomyces boulardii* and *Bacillus subtilis B10* on gut microbiota modulation in broilers.

Animal nutrition (Zhōngguó xu mu shou yi xue hui) , Volume: 4 Issue: 4 2018 Dec

Authors Qin C,Gong L,Zhang X,Wang Y,Wang B,Li Y,Li W

Effects of short-term endurance exercise on gut microbiota in elderly men.

Physiological reports , Volume: 6 Issue: 23 2018 Dec

Authors Taniguchi H,Tanisawa K,Sun X,Kubo T,Hoshino Y,Hosokawa M,Takeyama H,Higuchi M

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

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 Pullet 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

Exploring Effects of Chitosan Oligosaccharides on Mice Gut Microbiota in <i>in vitro</i> Fermentation and Animal Model.

Frontiers in microbiology , Volume: 9 2018

Authors Zhang C,Jiao S,Wang ZA,Du Y

Supplemental Bacillus subtilis DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.

Scientific reports , Volume: 8 Issue: 1 2018 Oct 18

Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G

An exploratory study on the effect of daily fruits and vegetable juice on human gut microbiota.

Food science and biotechnology , Volume: 27 Issue: 5 2018 Oct

Authors Choi YJ,Lee DH,Kim HS,Kim YK

Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.

Natural product research , 2018 Oct 13

Authors Condò C,Anacarso I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P

Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased <i>Akkermansia muciniphila</i> 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

A fucoidan from sea cucumber Pearsonothuria graeffei with well-repeated structure alleviates gut microbiota dysbiosis and metabolic syndromes in HFD-fed mice.

Food & function , Volume: 9 Issue: 10 2018 Oct 17

Authors Li S ,Li J ,Mao G ,Wu T ,Hu Y ,Ye X ,Tian D ,Linhardt RJ ,Chen S

Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.

Molecular nutrition & food research , Volume: 62 Issue: 22 2018 Nov

Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ

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 <i>Lactobacillus plantarum</i> 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

Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.

Environmental microbiology , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM,Van de Wiele T

Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

Journal of evidence-based integrative medicine , Volume: 23 2018 Jan-Dec

Authors Peterson CT,Vaughn AR,Sharma V,Chopra D,Mills PJ,Peterson SN,Sivamani RK

Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

**Authors Mayta-Apaza AC,Pottgen E,De Bodt J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SO,Carbonero F
A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.**

Applied and environmental microbiology , Volume: 84 Issue: 19 2018 Oct 1

Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R

Lactobacillus plantarum LC27 and Bifidobacterium longum LC67 mitigate alcoholic steatosis in mice by inhibiting LPS-mediated NF-?B activation through restoration of the disturbed gut microbiota.

Food & function , Volume: 9 Issue: 8 2018 Aug 15

Authors Kim WG,Kim HI,Kwon EK,Han MJ,Kim DH

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK

Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections.

Molecules (Basel, Switzerland) , Volume: 23 Issue: 7 2018 Jul 9

Authors Ebani VV,Nardoni S,Bertelloni F,Pistelli L,Mancianti F

Bifidobacterium bifidum TMC3115 Can Characteristically Influence Glucose and Lipid Profile and Intestinal Microbiota in the Middle-Aged and Elderly.

Probiotics and antimicrobial proteins , 2018 Jul 5

Authors Wang K,Yu X,Li Y,Guo Y,Ge L,Pu F,Ma X,Cui W,Marrota F,He F,Li M

Beneficial effects of the commercial lactic acid bacteria product, Vigis 101, on gastric mucosa and intestinal bacterial flora in rats.

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2018 Jun 23

Authors Kao L,Liu TH,Tsai TY,Pan TM

Anti-inflammatory and antibacterial evaluation of Thymus sipyleus Boiss. subsp. sipyleus var. sipyleus essential oil against rhinosinusitis pathogens.

Microbial pathogenesis , Volume: 122 2018 Sep

Authors Demirci F,Karaca N,Tekin M,Demirci B

Obesity treatment by epigallocatechin-3-gallate-regulated bile acid signaling and its enriched Akkermansia muciniphila.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 32 Issue: 12 2018 Jun 8

Authors Sheng L,Jena PK,Liu HX,Hu Y,Nagar N,Bronner DN,Settles ML,Bäumler AJ,Wan YY

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

Citrus peel extracts attenuated obesity and modulated gut microbiota in mice with high-fat diet-induced obesity.

Food & function , Volume: 9 Issue: 6 2018 Jun 20

Authors Tung YC,Chang WT,Li S,Wu JC,Badmeav V,Ho CT,Pan MH

Role of probiotics in the treatment of minimal hepatic encephalopathy in patients with HBV-induced liver cirrhosis.

The Journal of international medical research , Volume: 46 Issue: 9 2018 Sep

Authors Xia X,Chen J,Xia J,Wang B,Liu H,Yang L,Wang Y,Ling Z

Niacin alters the ruminal microbial composition of cattle under high-concentrate condition.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 3 Issue: 2 2017 Jun

Authors Luo D,Gao Y,Lu Y,Qu M,Xiong X,Xu L,Zhao X,Pan K,Ouyang K

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

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,Tepliuk 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

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

Effects of dietary *<1>Bacillus amyloliquefaciens* supplementation on growth performance, intestinal morphology, inflammatory response, and microbiota of intra-uterine growth retarded weanling piglets.

Journal of animal science and biotechnology , Volume: 9 2018

Authors Li Y,Zhang H,Su W,Ying Z,Chen Y,Zhang L,Lu Z,Wang T

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,Vierneistein H,Praznik W,Mueller M

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,Obistioiu 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

Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.

The British journal of nutrition , Volume: 119 Issue: 2 2018 Jan

Authors Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J

Thymus mastichina L. essential oils from Murcia (Spain): Composition and antioxidant, antienzymatic and antimicrobial bioactivities.

PLoS one , Volume: 13 Issue: 1 2018

Authors Cutillas AB,Carrasco A,Martinez-Gutierrez R,Tomas V,Tudela J

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

Journal of food protection , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

Persistence of Supplemented Bifidobacterium longum subsp. infantis EVC001 in Breastfed Infants.

mSphere , Volume: 2 Issue: 6 2017 Nov-Dec

Authors Frese SA,Hutton AA,Contreras LN,Shaw CA,Palumbo MC,Casaburi G,Xu G,Davis JCC,Lebrilla CB,Henrick BM,Freeman SL,Barile D,German JB,Mills DA,Smilowitz JT,Underwood MA

Amelioration of Intestinal Barrier Dysfunction by Berberine in the Treatment of Nonalcoholic Fatty Liver Disease in Rats.

Pharmacognosy magazine , Volume: 13 Issue: 52 2017 Oct-Dec

Authors Li D,Zheng J,Hu Y,Hou H,Hao S,Liu N,Wang Y

Blood lactose after dairy product intake in healthy men.

The British journal of nutrition , Volume: 118 Issue: 12 2017 Dec

Authors Pimentel G,Burton KJ,Rosikiewicz M,Freiburghaus C,von Ah U,Münger LH,Pralong FP,Vionnet N,Greub G,Badertscher R,Vergères G

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

Low-Molecular-Weight Chitosan Supplementation Increases the Population of <i>Prevotella</i> in the Cecal Contents of Weanling Pigs.

Frontiers in microbiology , Volume: 8 2017

Authors Yu T,Wang Y,Chen S,Hu M,Wang Z,Wu G,Ma X,Chen Z,Zheng C

Bolus Weekly Vitamin D3 Supplementation Impacts Gut and Airway Microbiota in Adults With Cystic Fibrosis: A Double-Blind, Randomized, Placebo-Controlled Clinical Trial.

The Journal of clinical endocrinology and metabolism , Volume: 103 Issue: 2 2018 Feb 1

Authors Kanhere M,He J,Chassaing B,Ziegler TR,Alvarez JA,Ivie EA,Hao L,Hanfelt J,Gewirtz AT,Tangpricha V

Extracts from Hericium erinaceus relieve inflammatory bowel disease by regulating immunity and gut microbiota.

Oncotarget , Volume: 8 Issue: 49 2017 Oct 17

Authors Diling C,Xin Y,Chaoqun Z,Jian Y,Xiaocui T,Jun C,Ou S,Yizhen X

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

Bifidobacterium longum BB536 alleviated upper respiratory illnesses and modulated gut microbiota profiles in Malaysian pre-school children.

Beneficial microbes , Volume: 9 Issue: 1 2018 Jan 29

Authors Lau AS,Yanagisawa N,Hor YY,Lew LC,Ong JS,Chuah LO,Lee YY,Choi SB,Rashid F,Wahid N,Sugahara H,Xiao JZ,Liong MT

Indoor microbiota in severely moisture damaged homes and the impact of interventions.

Microbiome , Volume: 5 Issue: 1 2017 Oct 13

Authors Jayaprakash B,Adams RI,Kirjavainen P,Karvonen A,Vepsäläinen A,Valkonen M,Järvi K,Sulyok M,Pekkanen J,Hyvärinen A,Täubel M

Prebiotic potential of pectin and pectic oligosaccharides to promote anti-inflammatory commensal bacteria in the human colon.

FEMS microbiology ecology , Volume: 93 Issue: 11 2017 Nov 1

Authors Chung WSF,Meijerink M,Zeuner B,Holck J,Louis P,Meyer AS,Wells JM,Flint HJ,Duncan SH

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

Assessment of plaque regrowth with a probiotic toothpaste containing <i>Lactobacillus paracasei</i>: A spectrophotometric study.

Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 35 Issue: 4 2017 Oct-Dec

Authors Srinivasan S,Nandlal B,Rao MVS

Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.

Journal of food and drug analysis , Volume: 25 Issue: 2 2017 Apr

Authors Semeniuc CA,Pop CR,Rotar AM

Bifidobacteria exert species-specific effects on constipation in BALB/c mice.

Food & function , Volume: 8 Issue: 10 2017 Oct 18

Authors Wang L,Hu L,Xu Q,Jiang T,Fang S,Wang G,Zhao J,Zhang H,Chen W

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

Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.

Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017 Aug 30

Authors Lin X,Chen X,Tu Y,Wang S,Chen H

Lactobacillus plantarum LP-Only alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.

Molecular medicine reports , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

Bifidobacterium pseudocatenulatum LI09 and Bifidobacterium catenulatum LI10 attenuate D-galactosamine-induced liver injury by modifying the gut microbiota

Scientific Reports , Volume: 7 2017 Aug 18

Authors Fang D,Shi D,Lv L,Gu S,Wu W,Chen Y,Guo J,Li A,Hu X,Guo F,Ye J,Li Y,Li L

Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.

Food & nutrition research , Volume: 61 Issue: 1 2017

Authors Shen L,Liu L,Ji HF

Dietary Propolis Ameliorates Dextran Sulfate Sodium-Induced Colitis and Modulates the Gut Microbiota in Rats Fed a Western Diet.

Nutrients , Volume: 9 Issue: 8 2017 Aug 14

Authors Wang K,Jin X,You M,Tian W,Le Leu RK,Topping DL,Conlon MA,Wu L,Hu F

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

Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.

Scientific reports , Volume: 7 Issue: 1 2017 Jul 17

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

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

The effects of the Lactobacillus casei strain on obesity in children: a pilot study.

Beneficial microbes , Volume: 8 Issue: 4 2017 Aug 24

Authors Nagata S,Chiba Y,Wang C,Yamashiro Y

Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome.

Environmental microbiology , Volume: 19 Issue: 8 2017 Aug

Authors De Paepe K,Kerckhof FM,Verspreet J,Courtin CM,Van de Wiele T

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

Human Milk Oligosaccharides Exhibit Antimicrobial and Antibiofilm Properties against Group B Streptococcus.

ACS infectious diseases , Volume: 3 Issue: 8 2017 Aug 11

Authors Ackerman DL,Doster RS,Weitkamp JH,Aronoff DM,Gaddy JA,Townsend SD

Recovery of ethanol-induced <i>Akkermansia muciniphila</i> depletion ameliorates alcoholic liver disease.

Gut , 2017 May 26

Authors Grander C,Adolph TE,Wieser V,Lowe P,Wrzosek L,Gyongyosi B,Ward DV,Grabherr F,Gerner RR,Pfister A,Enrich B,Ciocan D,Macheiner S,Mayr L,Drach M,Moser P,Moschen AR,Perlmuter G,Szabo G,Cassard AM,Tilg H

Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.

Nutrients , Volume: 9 Issue: 6 2017 May 24

Authors Koutsos A,Irina M,Conterno L,Gasperotti M,Bianchi M,Fava F,Vrhovsek U,Lovegrove JA,Tuohy KM

Health benefit of vegetable/fruit juice-based diet: Role of microbiome

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

Effect of <i>Lactobacillus rhamnosus</i> HN001 and <i>Bifidobacterium longum</i> BB536 on the healthy gut microbiota composition at phyla and species level: A preliminary study.

World journal of gastroenterology , Volume: 23 Issue: 15 2017 Apr 21

Authors Toscano M,De Grandi R,Stronati L,De Vecchi E,Drago L

Effect of dietary supplementation with Lactobacillus acidophilus D2/CSL (CECT 4529) on caecum microbiota 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

Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.

Molecular medicine reports , Volume: 15 Issue: 5 2017 May

Authors Xu JH,Liu XZ,Pan W,Zou DJ

Sucralose Increases Antimicrobial Resistance and Stimulates Recovery of Escherichia coli Mutants.

Current microbiology , Volume: 74 Issue: 7 2017 Jul

Authors Qu Y,Li R,Jiang M,Wang X

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

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

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

Evaluation of Phenolic Compounds and Antioxidant and Antimicrobial Activities of Some Common Herbs.

International journal of analytical chemistry , Volume: 2017 2017

Authors Abdul Qadir M,Shahzadi SK,Bashir A,Munir A,Shahzad S

Consumption of a diet rich in Brassica vegetables is associated with a reduced abundance of sulphate-reducing bacteria: A randomised crossover study.

Molecular nutrition & food research , Volume: 61 Issue: 9 2017 Sep

Authors Kellingray L,Tapp HS,Saha S,Doleman JF,Narbad A,Mithen RF

Effect of dietary polyphenol-rich grape seed on growth performance, antioxidant capacity and ileal microflora in broiler chicks.

Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb

Authors Abu Hafsa SH,Ibrahim SA

Influence of ad Libitum Feeding of Piglets With *Bacillus Subtilis* Fermented Liquid Feed on Gut Flora, Luminal Contents and Health.

Scientific reports , Volume: 7 2017 Mar 14

Authors He Y,Mao C,Wen H,Chen Z,Lai T,Li L,Lu W,Wu H

Gut microbiota interactions with the immunomodulatory role of vitamin D in normal individuals.

Metabolism: clinical and experimental , Volume: 69 2017 Apr

Authors Luthold RV,Fernandes GR,Franco-de-Moraes AC,Folchetti LG,Ferreira SR

Anti-obesity Effect of Capsaicin in Mice Fed with High-Fat Diet Is Associated with an Increase in Population of the Gut Bacterium <i>Akkermansia muciniphila</i>.

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,Maclean P,Thomas DG,Cave NJ,Young W

Raw meat based diet influences faecal microbiome and end products of fermentation in healthy dogs.

BMC veterinary research , Volume: 13 Issue: 1 2017 Feb 28

Authors Sandri M,Dal Monego S,Conte G,Sgorlon S,Stefanon B

Apple Polysaccharide inhibits microbial dysbiosis and chronic inflammation and modulates gut permeability in HFD-fed rats.

International journal of biological macromolecules , Volume: 99 2017 Jun

Authors Wang S,Li Q,Zang Y,Zhao Y,Liu N,Wang Y,Xu X,Liu L,Mei Q

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

Drunk bugs: Chronic vapour alcohol exposure induces marked changes in the gut microbiome in mice.

Behavioural brain research , Volume: 323 2017 Apr 14

Authors Peterson VL,Jury NJ,Cabrera-Rubio R,Draper LA,Crispie F,Cotter PD,Dinan TG,Holmes A,Cryan JF

Carob pods (*Ceratonia siliqua L.*) improve growth performance, antioxidant status and caecal characteristics in growing rabbits.

Journal of animal physiology and animal nutrition , Volume: 101 Issue: 6 2017 Dec

Authors Abu Hafsa SH,Ibrahim SA,Hassan AA

Modulation of gut microbiota and increase in fecal water content in mice induced by administration of *Lactobacillus kefiranofaciens DN1*.

Food & function , Volume: 8 Issue: 2 2017 Feb 22

Authors Jeong D,Kim DH,Kang IB,Kim H,Song KY,Kim HS,Seo KH

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

Ability of *Lactobacillus kefiri LKFO1* (DSM32079) to colonize the intestinal environment and modify the gut microbiota composition of healthy individuals.

Digestive and liver disease : official journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver , Volume: 49 Issue: 3 2017 Mar

Authors Toscano M,De Grandi R,Minello VL,Mattina R,Drago L

Breaking the resistance of *Escherichia coli*: Antimicrobial activity of *Berberis lycium* Royle.

Microbial pathogenesis , Volume: 102 2017 Jan

Authors Malik TA,Kamili AN,Chishti MZ,Ahad S,Tantry MA,Hussain PR,Johri RK

Oligofructose as an adjunct in treatment of diabetes in NOD mice.

Scientific reports , Volume: 6 2016 Nov 22

Authors Chan C,Hyslop CM,Shrivastava V,Ochoa A,Reimer RA,Huang C

Insights from 100 Years of Research with Probiotic *E. Coli*.

European Journal of Microbiology & Immunology , Volume: 6 Issue: 3 2016 Sep 29

Authors Wassenaar TM

Oral supplementation of healthy adults with 2'-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.

The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct

Authors Elison E,Vigsnaes LK,Rindom Krogsbaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P
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

Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.

Journal of periodontology , Volume: 88 Issue: 2 2017 Feb

Authors Oliveira LF,Salvador SL,Silva PH,Furlaneto FA,Figueiredo L,Casarín R,Ervolino E,Palioto DB,Souza SL,Taba M Jr,Novaes AB Jr,Messora MR

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,Saraçoglu 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,Franciosini 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

Integrative analysis of metabolome and gut microbiota in diet-induced hyperlipidemic rats treated with berberine compounds.

Journal of translational medicine , Volume: 14 Issue: 1 2016 Aug 5

Authors Li M,Shu X,Xu H,Zhang C,Yang L,Zhang L,Ji G

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

Addition of arabinoxylan and mixed linkage glucans in porcine diets affects the large intestinal bacterial populations.

European journal of nutrition , Volume: 56 Issue: 6 2017 Sep

Authors Gorham JB,Kang S,Williams BA,Grant LJ,McSweeney CS,Gidley MJ,Mikkelsen D

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

Ecophysiological consequences of alcoholism on human gut microbiota: implications for ethanol-related pathogenesis of colon cancer.

Scientific reports , Volume: 6 2016 Jun 13

Authors Tsuruya A,Kuwahara A,Saito Y,Yamaguchi H,Tsubo T,Suga S,Inai M,Aoki Y,Takahashi S,Tsutsumi E,Suwa Y,Morita H,Kinoshita K,Totsuka Y,Suda W,Oshima K,Hattori M,Mizukami T,Yokoyama A,Shimoyama T,Nakayama T

Significant pharmacokinetic differences of berberine are attributable to variations in gut microbiota between Africans and Chinese.

Scientific reports , Volume: 6 2016 Jun 10

Authors Alolga RN,Fan Y,Chen Z,Liu LW,Zhao YJ,Li J,Chen Y,Lai MD,Li P,Qi LW

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

A proteomic approach towards understanding the cross talk between *Bacteroides fragilis* and *Bifidobacterium longum* in coculture.

Canadian journal of microbiology , Volume: 62 Issue: 7 2016 Jul

Authors Ríos-Covián D,Sánchez B,Martínez N,Cuesta I,Hernández-Barranco AM,de Los Reyes-Gavilán CG,Gueimonde M

Screening of Bifidobacteria and Lactobacilli Able to Antagonize the Cytotoxic Effect of *Clostridium difficile* upon Intestinal Epithelial HT29 Monolayer.

Frontiers in microbiology , Volume: 7 2016

Authors Valdés-Varela L,Alonso-Guervos M,García-Suárez O,Gueimonde M,Ruas-Madiedo P

Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.

Poultry science , Volume: 95 Issue: 11 2016 Nov 1

Authors Forte C,Acuti G,Manuali E,Casagrande Proietti P,Pavone S,Trabalza-Marinucci M,Moscati L,Onofri A,Lorenzetti C,Franciosini 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

Lactobacillus rhamnosus GG Intake Modifies Preschool Children`s Intestinal Microbiota, Alleviates Penicillin-Associated Changes, and Reduces Antibiotic Use.

PLoS one , Volume: 11 Issue: 4 2016

Authors Korpela K,Salonen A,Virta LJ,Kumpu M,Kekkonen RA,de Vos WM

Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat`s tissue homogenate.

Pakistan journal of pharmaceutical sciences , Volume: 29 Issue: 2 2016 Mar

Authors Hassan W,Gul S,Rehman S,Kanwal F,Afzidi MS,Fazal H,Shah Z,Rahman A,da Rocha JB

Intake of Meat Proteins Substantially Increased the Relative Abundance of Genus Lactobacillus in Rat Feces.

PLoS one , Volume: 11 Issue: 4 2016

Authors Zhu Y,Lin X,Li H,Li Y,Shi X,Zhao F,Xu X,Li C,Zhou G

The intestinal microbiota of piglets fed with wheat bran variants as characterised by 16S rRNA next-generation amplicon sequencing.

Archives of animal nutrition , Volume: 70 Issue: 3 2016

Authors Krämer M,Ghanbari M,Domig KJ,Schedle K,Kneifel W

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 MU,Dilger RN,Donovan SM

Antimicrobial activities of six essential oils commonly used as condiments in Brazil against Clostridium perfringens.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 47 Issue: 2 2016 Apr-Jun

Authors Radaelli M,da Silva BP,Weidlich L,Hoehne L,Flach A,da Costa LA,Ethur EM

In vitro extraction and fermentation of polyphenols from grape seeds (*Vitis vinifera*) by human intestinal microbiota.

Food & function , Volume: 7 Issue: 4 2016 Apr

Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X

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

Effect of *Saccharomyces boulardii* and Mode of Delivery on the Early Development of the Gut Microbial Community in Preterm Infants.

PLoS one , Volume: 11 Issue: 2 2016

Authors Zeber-Lubecka N,Kulecka M,Ambroziewicz F,Paziewska A,Lechowicz M,Konopka E,Majewska U,Borszewska-Kornacka M,Mikula M,Cukrowska B,Ostrowski J

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.

Food & function , Volume: 7 Issue: 3 2016 Mar

Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY

High Molecular Weight Barley β-Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.

Frontiers in microbiology , Volume: 7 2016

Authors Wang Y,Ames NP,Tun HM,Tosh SM,Jones PJ,Khafipour E

Lingonberries reduce atherosclerosis in ApoE(-/-) mice in association with altered gut microbiota composition and improved lipid profile.

Molecular nutrition & food research , Volume: 60 Issue: 5 2016 May

Authors Matziouridou C,Marungruang N,Nguyen TD,Nyman M,Fåk F

Purification and characteristics of a novel bacteriocin produced by *Enterococcus faecalis* L11 isolated from Chinese traditional fermented cucumber.

Biotechnology letters , Volume: 38 Issue: 5 2016 May

Authors Gao Y,Li B,Li D,Zhang L

Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.

Gut , Volume: 66 Issue: 5 2017 May

Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkouvardos 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,Yatsunenko T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J

Effect of chito-oligosaccharides over human faecal microbiota during fermentation in batch cultures.

Carbohydrate polymers , Volume: 137 2016 Feb 10

Authors Mateos-Aparicio I,Mengíbar M,Heras A

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-Alcohalado 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

Membrane filter method to study the effects of *Lactobacillus acidophilus* and *Bifidobacterium longum* on fecal microbiota.

Microbiology and immunology , Volume: 59 Issue: 11 2015 Nov

Authors Shimizu H,Benno Y

Brevibacillus laterosporus, a Pathogen of Invertebrates and a Broad-Spectrum Antimicrobial Species.

Insects , Volume: 4 Issue: 3 2013 Sep 5

Authors Ruiu 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

Enhanced butyrate formation by cross-feeding between *Faecalibacterium prausnitzii* and *Bifidobacterium adolescentis*.

FEMS microbiology letters , Volume: 362 Issue: 21 2015 Nov

Authors Rios-Covian D,Gueimonde M,Duncan SH,Flint HJ,de los Reyes-Gavilan CG

[Effect of probiotic product containing bifidobacteria and 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

- Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.
The ISME journal , Volume: 10 Issue: 3 2016 Mar
 Authors Berni Canani R,Sangwan N,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR
The effect of dietary resistant starch type 2 on the microbiota and markers of gut inflammation in rural Malawi children.
Microbiome , Volume: 3 2015 Sep 3
 Authors Ordiz MI,May TD,Mihindukulasuriya K,Martin J,Crowley J,Tarr PI,Ryan K,Mortimer E,Gopalsamy G,Maleta K,Mitreva M,Young G,Manary MJ
Equal 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
Isoeugenol has a non-disruptive detergent-like mechanism of action.
- Frontiers in microbiology , Volume: 6 2015**
 Authors Hylgaard M,Mygind T,Piotrowska R,Foss M,Meyer RL
In vitro digestion and fermentation properties of linear sugar-beet arabinan and its oligosaccharides.
- Carbohydrate polymers , Volume: 131 2015 Oct 20**
 Authors Moon JS,Shin SY,Choi HS,Joo W,Cho SK,Li L,Kang JH,Kim TJ,Han NS
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
Antibacterial activity and mechanism of berberine against Streptococcus agalactiae.
- International journal of clinical and experimental pathology , Volume: 8 Issue: 5 2015**
 Authors Peng L,Kang S,Yin Z,Jia R,Song X,Li L,Li Z,Zou Y,Liang X,Li L,He C,Ye G,Yin L,Shi F,Lv C,Jing B
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
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
Butyrylated starch intake can prevent red meat-induced 06-methyl-2-deoxyguanosine adducts in human rectal tissue: a randomised clinical trial.
- The British journal of nutrition , Volume: 114 Issue: 2 2015 Jul**
 Authors Le Leu RK,Winter JM,Christophersen CT,Young GP,Humphreys KJ,Hu Y,Gratz SW,Miller RB,Topping DL,Bird AR,Conlon MA
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
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 GB-30, 6086 Modulates Faecalibacterium prausnitzii in Older Men and Women.
- The Journal of nutrition , Volume: 145 Issue: 7 2015 Jul**
 Authors Nyang'ale 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 Holgerson 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*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*Increased gut microbiota diversity and abundance of Faecalibacterium prausnitzii and Akkermansia after fasting: a pilot study.**Wiener klinische Wochenschrift , Volume: 127 Issue: 9-10 2015 May***Authors Remely M,Hippe B,Geretschlaeger I,Stegmayer S,Hoefinger I,Haslberger A*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*Red wine consumption is associated with fecal microbiota and malondialdehyde in a human population.**Journal of the American College of Nutrition , Volume: 34 Issue: 2 2015***Authors Cuervo A,Reyes-Gavilán CG,Ruas-Madiedo P,Lopez P,Suarez A,Gueimonde M,González S*Ascorbic acid-dependent gene expression in Streptococcus pneumoniae and the activator function of the transcriptional regulator UlaR2.**Frontiers in microbiology , Volume: 6 2015***Authors Afzal M,Shafeeq S,Kuipers OP*Inhibition of adhesion of intestinal pathogens (Escherichia coli, Vibrio cholerae, Campylobacter jejuni, and Salmonella Typhimurium) by common oligosaccharides.**Foodborne pathogens and disease , Volume: 12 Issue: 4 2015 Apr***Authors Wang S,Wang J,Mou H,Luo B,Jiang X*Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.**Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun***Authors Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM*Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber.**The American journal of clinical nutrition , Volume: 101 Issue: 2 2015 Feb***Authors Vitaglione P,Mennella I,Ferracane R,Rivellese AA,Giacco R,Ercolini D,Gibbons SM,La Storia A,Gilbert JA,Jonnalagadda S,Thielecke F,Gallo MA,Scalfi L,Fogliano V*Dietary Enterococcus faecalis LAB31 improves growth performance, reduces diarrhea, and increases fecal Lactobacillus number of weaned piglets.**PloS one , Volume: 10 Issue: 1 2015***Authors Hu Y,Dun Y,Li S,Zhang D,Peng N,Zhao S,Liang Y*Bioanalytical evaluation of Cinnamomum zeylanicum essential oil.**Natural product research , Volume: 29 Issue: 19 2015***Authors Saleem M,Bhatti HN,Jilani MI,Hanif MA*Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed chardonnay grape seed flour.**Journal of agricultural and food chemistry , Volume: 63 Issue: 5 2015 Feb 11***Authors Kim H,Kim DH,Seo KH,Chon JW,Nah SY,Bartley GE,Arvik T,Lipson R,Yokoyama W*Intermittent hypoxia alters gut microbiota diversity in a mouse model of sleep apnoea.**The European respiratory journal , Volume: 45 Issue: 4 2015 Apr***Authors Moreno-Indias I,Torres M,Montserrat JM,Sánchez-Alcoholado L,Cardona F,Tinahones FJ,Gozaí D,Porojko VA,Navajas D,Queipo-Ortuño MI,Farré R*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,Ingwerslev HC,Meyer AS,Boye M

Antimicrobial Effect of Lactobacillus reuteri on Cariogenic Bacteria Streptococcus gordonii, Streptococcus mutans, and Periodontal Diseases Actinomyces naeslundii and Tannerella forsythia.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 1 2015 Mar

Authors Baca-Castañón ML,De la Garza-Ramos MA,Alcázar-Pizaña AG,Grondin Y,Coronado-Mendoza A,Sánchez-Najera RI,Cárdenas-Estrada E,Medina-De la Garza CE,Escamilla-García E

Effect of Lactobacillus rhamnosus hslyfm 1301 on the Gut Microbiota and Lipid Metabolism in Rats Fed a High-Fat Diet.

Journal of microbiology and biotechnology , Volume: 25 Issue: 5 2015 May

Authors Chen D,Yang Z,Chen X,Huang Y,Yin B,Guo F,Zhao H,Huang J,Wu Y,Gu R

Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.

PLoS one , Volume: 9 Issue: 11 2014

Authors Koleva P,Ketabi A,Valcheva R,Gänzle MG,Dieleman LA

[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 nutricion , Volume: 63 Issue: 3 2013 Sep

Authors Mora A,Pawa J,Chaverri JM,Arias ML

Modulation of fecal Clostridia 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

Diets high in resistant starch and arabinoxylan modulate digestion processes and SCFA pool size in the large intestine and faecal microbial composition in pigs.

The British journal of nutrition , Volume: 112 Issue: 11 2014 Dec 14

Authors Nielsen TS,Lærke HN,Theil PK,Sørensen JF,Saarinen M,Forssten S,Knudsen KE

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 Labiateae 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 Nyang'ale 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

Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.**Anaerobe , Volume: 30 2014 Dec**

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

Coexpression and secretion of endogluconase 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 antimicrobial effects of *Citrus limonum* and *Citrus aurantium* essential oils on multi-species biofilms.**Brazilian oral research , Volume: 28 2014**

Authors Oliveira SA,Zambrana JR,Iorio FB,Pereira CA,Jorge AO

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 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

Efficacy of Papacarie® in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.**Clinics (Sao Paulo, Brazil) , Volume: 69 Issue: 5 2014**

Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MF

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,Yiap 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

Vitamin D deficiency in community-acquired pneumonia: low levels of 1,25(OH)2 D are associated with disease severity.**Respiratory research , Volume: 15 2014 Apr 27**

Authors Pletz MW,Terkamp C,Schumacher U,Rohde G,Schütte H,Welte T,Bals R,CAPNETZ-Study Group.

A rosemary extract rich in carnosic 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

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,Ayremliou 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

Lactobacillus paracasei subsp. paracasei LC01 positively modulates intestinal microflora in healthy young adults.

Journal of microbiology (Seoul, Korea) , Volume: 51 Issue: 6 2013 Dec

Authors Zhang H,Sun J,Liu X,Hong C,Zhu Y,Liu A,Li S,Guo H,Ren F

Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.

Clinical nutrition (Edinburgh, Scotland) , Volume: 33 Issue: 6 2014 Dec

Authors Majid HA,Cole J,Emery PW,Whelan K

Assessment of berberine as a multi-target antimicrobial: a multi-omics study for drug discovery and repositioning.

Omics : a journal of integrative biology , Volume: 18 Issue: 1 2014 Jan

Authors Karaosmanoglu K,Sayar NA,Kurnaz IA,Akbulut BS

Effects of *Lactobacillus kefir* isolated from kefir grains on enterohemorrhagic *Escherichia coli* infection using mouse and intestinal cell models.

Journal of dairy science , Volume: 96 Issue: 12 2013

Authors Chen YP,Lee TY,Hong WS,Hsieh HH,Chen MJ

Effects of a probiotic, *Enterococcus faecium*, on growth performance, intestinal morphology, immune response, and cecal microflora in broiler chickens challenged with *Escherichia coli* K88.

Poultry science , Volume: 92 Issue: 11 2013 Nov

Authors Cao GT,Zeng XF,Chen AG,Zhou L,Zhang L,Xiao YP,Yang CM

In vitro anti-bacterial and anti-adherence effects of *Lactobacillus delbrueckii* subsp bulgaricus on *Escherichia coli*.

Research in pharmaceutical sciences , Volume: 8 Issue: 4 2013 Oct

Authors Abedi D,Feizizadeh S,Akbari V,Jafarian-Dehkordi A

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 Zavsic 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

Chemical composition and biological activity of the essential oil from leaves of *Moringa oleifera* Lam. cultivated in Mozambique.

Molecules (Basel, Switzerland) , Volume: 18 Issue: 9 2013 Sep 9

Authors Marrufo T,Nazzaro F,Mancini E,Fratianni F,Coppola R,De Martino L,Agostinho AB,De Feo V

Effects of inulin and di-D-fructose dianhydride-enriched caramels on intestinal microbiota composition and performance of broiler chickens.

Animal : an international journal of animal bioscience , Volume: 7 Issue: 11 2013 Nov

Authors Peinado MU,Echávarri A,Ruiz R,Suárez-Pereira E,Ortiz Mellet C,García Fernández JM,Rubio LA

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

Green tea as an effective antimicrobial for urinary tract infections caused by *Escherichia coli*.

Frontiers in microbiology , Volume: 4 2013

Authors Reygaert W,Jusufi 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

Involvement of the ribose operon repressor RbsR in regulation of purine nucleotide synthesis in Escherichia coli.

FEMS microbiology letters , Volume: 344 Issue: 2 2013 Jul

Authors Shimada T,Kori A,Ishihama A

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

Potential antibacterial activity of berberine against multi drug resistant enterovirulent Escherichia coli isolated from yaks (*Poephagus grunniens*) with haemorrhagic diarrhoea.

Asian Pacific journal of tropical medicine , Volume: 6 Issue: 4 2013 Apr 13

Authors Bandyopadhyay S,Patra PH,Mahanti A,Mondal DK,Dandapat P,Bandyopadhyay S,Samanta I,Lodh C,Bera AK,Battacharyya D,Sarkar M,Baruah KK

Effect of acute and chronic red wine consumption on lipopolysaccharide concentrations.

The American journal of clinical nutrition , Volume: 97 Issue: 5 2013 May

Authors Clemente-Postigo M,Queipo-Ortuño MI,Boto-Ordoñez M,Coin-Aragüez L,Roca-Rodríguez MM,Delgado-Lista J,Cardona F,Andrés-Lacueva C,Tinahones FJ

Influence of coffee (*Coffea arabica*) and galacto-oligosaccharide consumption on intestinal microbiota and the host responses.

FEMS microbiology letters , Volume: 343 Issue: 2 2013 Jun

Authors Nakayama T,Oishi K

Impact of *Bifidobacterium bifidum* MIMBb75 on mouse intestinal microorganisms.

FEMS microbiology ecology , Volume: 85 Issue: 2 2013 Aug

Authors Singh N,Arioli S,Wang A,Villa CR,Jahani R,Song YS,Mora D,Guglielmetti S,Comelli EM

Effect of dietary laminarin and fucoidan on selected microbiota, intestinal morphology and immune status of the newly weaned pig.

The British journal of nutrition , Volume: 110 Issue: 9 2013 Nov 14

Authors Walsh AM,Sweeney T,O'Shea CJ,Doyle DN,O'Doherty JV

Intake of whole-grain and fiber-rich rye bread versus refined wheat bread does not differentiate intestinal microbiota composition in Finnish adults with metabolic syndrome.

The Journal of nutrition , Volume: 143 Issue: 5 2013 May

Authors Lappi J,Salojärvi J,Kolehmainen M,Mykkänen H,Poutanen K,de Vos WM,Salonen A

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

Metagenomic analyses of alcohol induced pathogenic alterations in the intestinal microbiome and the effect of *Lactobacillus rhamnosus* GG treatment.

PLoS one , Volume: 8 Issue: 1 2013

Authors Bull-Otterson L,Feng W,Kirpitch I,Wang Y,Qin X,Liu Y,Gobejishvili L,Joshi-Barve S,Ayvaz T,Petrosino J,Kong M,Barker D,McCain C,Barve S

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

In vitro antimicrobial assessment of Cuban propolis extracts.

- Memorias do Instituto Oswaldo Cruz , Volume: 107 Issue: 8 2012 Dec**
 Authors Monzote L,Cuesta-Rubio O,Campo Fernandez M,Márquez Hernandez I,Fraga J,Pérez K,Kerstens M,Maes L,Cos P
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
Synergistic effects of honey and propolis toward drug multi-resistant Staphylococcus aureus, Escherichia coli and Candida albicans isolates in single and polymicrobial cultures.
- International journal of medical sciences , Volume: 9 Issue: 9 2012**
 Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K
In vitro fermentation of commercial α-glucosidase 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
Consumption of different soymilk formulations differentially affects the gut microbiomes of overweight and obese men.
- Gut microbes , Volume: 3 Issue: 6 2012 Nov-Dec**
 Authors Fernandez-Raudales D,Hoeftlinger JL,Bringe NA,Cox SB,Dowd SE,Miller MJ,Gonzalez de Mejia E
Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.
- PloS one , Volume: 7 Issue: 8 2012**
 Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L
Effect of berberine on Escherichia coli, *Bacillus subtilis*, and their mixtures as determined by isothermal microcalorimetry.
- Applied microbiology and biotechnology , Volume: 96 Issue: 2 2012 Oct**
 Authors Kong WJ,Xing XY,Xiao XH,Zhao YL,Wei JH,Wang JB,Yang RC,Yang MH
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
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 Linetzy Waitzberg D,Alves Pereira CC,Logullo L,Manzoni Jacintho T,Almeida D,Teixeira da Silva ML,Matos de Miranda Torrinhas RS
Antimicrobial action of the leaf extract of moringa oleifera lam.
- Ancient science of life , Volume: 14 Issue: 3 1995 Jan**
 Authors Pal SK,Mukherjee PK,Saha K,Pal M,Saha BP
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,Gómez-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
The effect of dietary laminarin and fucoidan in the diet of the weanling piglet on performance, selected faecal microbial populations and volatile fatty acid concentrations.

Animal : an international journal of animal bioscience , Volume: 4 Issue: 4 2010 Apr**Authors McDonnell P,Figat S,O'Doherty JV**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**Serum 25-hydroxyvitamin D is associated with enhanced pneumococcal antibody levels in individuals with asthma.**Allergy and asthma proceedings , Volume: 32 Issue: 6 2011 Nov-Dec****Authors Lee J,Zhao H,Fenta Y,Kita H,Kumar R,Juhn YJ**The antimicrobial activity of essential oils and extracts of some medicinal plants grown in Ash-shoubak region - South of Jordan.**Pakistan journal of pharmaceutical sciences , Volume: 25 Issue: 1 2012 Jan****Authors Abu-Darwish MS,Al-Ramamneh EA,Kyslychenko VS,Karpiuk UV**Effect of the oral intake of yogurt containing Bifidobacterium longum BB536 on the cell numbers of enterotoxigenic Bacteroides fragilis in microbiota.**Anaerobe , Volume: 18 Issue: 1 2012 Feb****Authors Odamaki T,Sugahara H,Yonezawa S,Yaeshima T,Iwatsuki K,Tanabe S,Tominaga T,Togashi H,Benno Y,Xiao JZ**Influence of dietary blueberry and broccoli on cecal microbiota activity and colon morphology in mdr1a(-/-) mice, a model of inflammatory bowel diseases.**Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 28 Issue: 3 2012 Mar****Authors Paturi G,Mandimika T,Butts CA,Zhu S,Roy NC,McNabb WC,Anselli J**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**Synergistic antimicrobial activities of natural essential oils with chitosan films.**Journal of agricultural and food chemistry , Volume: 59 Issue: 23 2011 Dec 14****Authors Wang L,Liu F,Jiang Y,Chai Z,Li P,Cheng Y,Jing H,Leng X**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**Effect of maternal seaweed extract supplementation on suckling piglet growth, humoral immunity, selected microflora, and immune response after an ex vivo lipopolysaccharide challenge.**Journal of animal science , Volume: 90 Issue: 2 2012 Feb****Authors Leonard SG,Sweeney T,Bahar B,O'Doherty JV**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**Arabinoxylans and inulin differentially modulate the mucosal and luminal gut microbiota and mucin-degradation in humanized rats.**Environmental microbiology , Volume: 13 Issue: 10 2011 Oct****Authors Van den Abbeele P,Gérard P,Rabot S,Bruneau A,El Aidy S,Derrien M,Kleerebezem M,Zoetendal EG,Smidt H,Verstraete W,Van de Wiele T,Possemiers S**Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and

intestinal microflora.

Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C

In vitro assay of the antimicrobial activity of kefir against bacterial and fungal strains.

Anaerobe , Volume: 17 Issue: 6 2011 Dec

Authors Chifiriuc MC,Cioaca AB,Lazar V

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

Pharmaceutical biology , Volume: 49 Issue: 4 2011 Apr

Authors Ozçelik 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,Glamocilja J,Marin PD,Brkic D,van Griensven LJ

[Functional biostructure of colonic microbiota (central fermenting area, germinal stock area and separating mucus layer) in healthy subjects and patients with diarrhea treated with Saccharomyces boulardii].

Gastroenterologie clinique et biologique , Volume: 34 Suppl 1 2010 Sep

Authors Swidsinski A,Loening-Baucke V,Kirsch S,Doerffel Y

Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.

Food microbiology , Volume: 27 Issue: 7 2010 Oct

Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P

Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.

Journal of animal science , Volume: 88 Issue: 9 2010 Sep

Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr

Consumption of human milk oligosaccharides by gut-related microbes.

Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12

Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA

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

Probiotic treatment of irritable bowel syndrome in children.

German medical science : GMS e-journal , Volume: 8 2010 Mar 2

Authors Martens U,Enck P,Zieseniss E

Therapeutic potential of two probiotics in inflammatory bowel disease as observed in the trinitrobenzene sulfonic acid model of colitis.

Diseases of the colon and rectum , Volume: 51 Issue: 12 2008 Dec

Authors Amit-Romach E,Uni Z,Reifen R

Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.

Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug

Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG

A study of chemical composition and antimicrobial activity of Bulgarian propolis.

Folia medica , Volume: 49 Issue: 3-4 2007

Authors Gardjeva PA,Dimitrova SZ,Kostadinov ID,Murdjeva MA,Peyche LP,Lukanov LK,Stanimirova IV,Alexandrov AS

Characterization of homofermentative lactobacilli isolated from kefir grains: potential use as probiotic.

The Journal of dairy research , Volume: 75 Issue: 2 2008 May

Authors Golowczyc MA,Gugliada MJ,Hollmann A,Delfederico L,Garrote GL,Abraham AG,Semorile L,De Antoni G

Inhibitory activity of garlic (*Allium sativum*) extract on multidrug-resistant *Streptococcus mutans*.

Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 25 Issue: 4 2007 Oct-Dec

Authors Fani MM,Kohanteb J,Dayaghi M

L-fucose stimulates utilization of D-ribose by Escherichia coli MG1655 DeltafucAO and E. coli Nissle 1917 DeltafucAO mutants in the mouse intestine and in M9 minimal medium.

Infection and immunity , Volume: 75 Issue: 11 2007 Nov

Authors Autieri SM,Lins JJ,Leatham MP,Laux DC,Conway T,Cohen PS

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,Herle 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

Effect of chitosan on the growth of human colonic bacteria.

Folia microbiologica , Volume: 51 Issue: 4 2006

Authors Simunek J,Tishchenko G,Hodrová B,Bartonová H

Effects of Bifidobacterium lactis Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.

Journal of clinical microbiology , Volume: 44 Issue: 11 2006 Nov

Authors Mohan R,Koebnick C,Schildt J,Schmidt S,Mueller M,Possner M,Radke M,Blaut M

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

In vitro activity of Bulgarian propolis against 94 clinical isolates of anaerobic bacteria.

Anaerobe , Volume: 12 Issue: 4 2006 Aug

Authors Boyanova L,Kolarov R,Gergova G,Mitov I

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

Antagonistic activity of probiotic lactobacilli and bifidobacteria against entero- and uropathogens.

Journal of applied microbiology , Volume: 100 Issue: 6 2006 Jun

Authors Hütt P,Shchepetova J,Löivukene K,Kullisaar T,Mikelsaar M

Antimicrobial and antiplasmid activities of essential oils.

Fitoterapia , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z,Molnar J,Hohmann J

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,Sérezat 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 antimicrobial activities of four different Anatolian propolis samples.

Microbiological research , Volume: 160 Issue: 2 2005

Authors Uzel A,Sorkun K,Onçag O,Coğulu D,Gençay O,Salih B

Chemical composition and antibacterial activity of propolis collected by three different races of honeybees in the same region.

Journal of ethnopharmacology , Volume: 99 Issue: 1 2005 May 13

Authors Silici S,Kutluca S

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 Dadalioglu I,Evrindilek 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,Loble GE,Calder AG,Stewart CS,Flint HJ

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

The effect of *Lactobacillus rhamnosus* on enterohemorrhagic *Escherichia coli* infection of human intestinal cells in vitro.

Microbiology and immunology , Volume: 47 Issue: 6 2003

Authors Hirano J,Yoshida T,Sugiyama T,Koide N,Mori I,Yokochi T

Antimicrobial activity of berberine—a constituent of *Mahonia aquifolium*.

Folia microbiologica , Volume: 47 Issue: 4 2002

Authors Cernáková M,Kostálková D

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

Aberrant composition of gut microbiota of allergic infants: a target of bifidobacterial therapy at weaning?

Gut , Volume: 51 Issue: 1 2002 Jul

Authors Kirjavainen PV,Arvola T,Salminen SJ,Isolauri E

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

Egyptian propolis: 1-antimicrobial activity and chemical composition of Upper Egypt propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 56 Issue: 1-2 2001 Jan-Feb

Authors Hegazi AG,El Hady FK

Phenolic compounds from Brazilian propolis with pharmacological activities.

Journal of ethnopharmacology , Volume: 74 Issue: 2 2001 Feb

Authors Marcucci MC,Ferrerres F,García-Viguera C,Bankova VS,De Castro SL,Dantas AP,Valente PH,Paulino N

Study on propolis quality from China and Uruguay.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 9-10 2000 Sep-Oct

Authors Serra Bonvehí J,Ventura Coll F

Seasonal effect on Brazilian propolis antibacterial activity.

Journal of ethnopharmacology , Volume: 73 Issue: 1-2 2000 Nov

Authors Sforcin JM,Fernandes A Jr,Lopes CA,Bankova V,Funari SR

Saccharomyces boulardii stimulates slgA 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,Nicolli JR,Vieira LQ

Screening of some Palestinian medicinal plants for antibacterial activity.

Journal of ethnopharmacology , Volume: 70 Issue: 3 2000 Jun

Authors Essawi T,Srour M

Chemical composition and antimicrobial activity of European propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 1-2 2000 Jan-Feb

Authors Hegazi AG,Abd El Hady FK,Abd Allah FA

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

In vitro utilization of amylopectin and high-amylose maize (Amylomaize) starch granules by human colonic bacteria.

Applied and environmental microbiology , Volume: 65 Issue: 11 1999 Nov

Authors Wang X,Conway PL,Brown IL,Evans AJ

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

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

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

Comparison of utilization of pectins from various sources by pure cultures of pectinolytic rumen bacteria and mixed cultures of rumen microorganisms.

Acta microbiologica Polonica , Volume: 43 Issue: 1 1994

Authors Kasperowicz A

Utilization of fructose and ribose in lipopolysaccharide synthesis by Veillonella parvula.

Infection and immunity , Volume: 41 Issue: 1 1983 Jul

Authors Tortorello ML,Delwiche EA

D-ribose metabolism in Escherichia coli K-12: genetics, regulation, and transport.

Journal of bacteriology , Volume: 158 Issue: 2 1984 May

Authors Lopilato JE,Garwin JL,Emr SD,Silhavy TJ,Beckwith JR

Utilization of D-ribose by Veillonella.

Journal of bacteriology , Volume: 98 Issue: 3 1969 Jun

Authors Kafkewitz D,Delwiche EA

Ribose utilization by Veillonella alcalescens.

Journal of bacteriology , Volume: 109 Issue: 3 1972 Mar

Authors Kafkewitz D,Delwiche EA

[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

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,Hyun 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 McLaughlin, Felix Araujo-Perez, Nikki McCoy, Kevin Smith, Bob Sandler, Gary Asher, Temitope Keku

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Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Biofilm

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)

Carcinoma

cdkl5 deficiency disorder

Celiac Disease

Cerebral Palsy

Chronic Fatigue Syndrome

Chronic Kidney Disease

Chronic Lyme

Chronic Obstructive Pulmonary Disease (COPD)

Chronic Urticaria (Hives)

Coagulation / Micro clot triggering bacteria

Cognitive Function

Colorectal Cancer

Constipation

Coronary artery disease

COVID-19

Crohn's Disease

Cushing's Syndrome (hypercortisolism)

cystic fibrosis

d-Haptic acidosis (one form of brain fog)

deep vein thrombosis

Denture Wearers Oral Shifts

Depression

Dermatomyositis

Eczema

Endometriosis

Eosinophilic Esophagitis

Epilepsy

erectile dysfunction

Fibromyalgia

Food Allergy

Functional constipation / chronic idiopathic constipation

gallstone disease (gsd)

Gastroesophageal reflux disease (Gerd) including Barrett's esophagus

Generalized anxiety disorder

giant cell arteritis

glioblastoma

Gout

Graves' disease

Gulf War Syndrome

Halitosis

Hashimoto's thyroiditis

Heart Failure

hemorrhagic stroke

Hemorrhoidal disease, Hemorrhoids, Piles

Hidradenitis Suppurativa

High Histamine/low DAO

hypercholesterolemia (High Cholesterol)

hyperglycemia

Hyperlipidemia (High Blood Fats)

hypersomnia

hypertension (High Blood Pressure)

Hypothyroidism

Hypoxia

IgA nephropathy (IgAN)

Inflammatory Bowel Disease

Insomnia

Intelligence

Intracranial aneurysms

Irritable Bowel Syndrome

ischemic stroke

Juvenile idiopathic arthritis

Liver Cirrhosis

Long COVID

Low bone mineral density

Lung Cancer

Lymphoma

Mast Cell Issues / mastitis

ME/CFS with IBS

ME/CFS without IBS

membranous nephropathy

Menopause

Metabolic Syndrome

Mood Disorders

multiple chemical sensitivity [MCS]

Multiple Sclerosis

Multiple system atrophy (MSA)

myasthenia gravis

neuropathic pain

Neuropathy (all types)

neuropsychiatric disorders (PANDAS, PANS)

Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic

NonCeliac Gluten Sensitivity

Obesity

obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing
Vitiligo