

Microbiome Information for: Denture Wearers Oral Shifts

For non-prescribing Medical professionals Review

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

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

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

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

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

In the USA

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

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Denture Wearers Oral Shifts

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
Acinetobacter	genus	High	469	Acinetobacter Iwoffii	species	Low	28090
Actinomyces	genus	Low	1654	Bifidobacterium dentium	species	High	1689
Atopobium	genus	High	1380	Candida albicans	species	High	5476
Campylobacter	genus	High	194	Candida tropicalis	species	High	5482
Candida	genus	High	5475	Enterococcus faecalis	species	High	1351
Enterococcus	genus	High	1350	Fusobacterium nucleatum	species	High	851
Flavobacterium	genus	Low	237	Ligilactobacillus salivarius	species	Low	1624
Lactobacillus	genus	Low	1578	Porphyromonas gingivalis	species	High	837
Leptotrichia	genus	High	32067	Pseudomonas putida	species	Low	303
Megasphaera	genus	High	906	Schaalia odontolytica	species	High	1660
Micrococcus	genus	High	1269	Staphylococcus aureus	species	High	1280
Oribacterium	genus	High	265975	Staphylococcus haemolyticus	species	High	1283
Pseudomonas	genus	High	286	Streptococcus mitis	species	High	28037
Rhizobium	genus	Low	379	Streptococcus mutans	species	High	1309
Serratia	genus	Low	613	Streptococcus pneumoniae	species	High	1313
Stenotrophomonas	genus	High	40323	Streptococcus salivarius	species	High	1304
Streptococcus	genus	High	1301	Tannerella forsythia	species	High	28112
Acinetobacter johnsonii	species	High	40214	Treponema denticola	species	High	158
				Veillonella parvula	species	High	29466

Substance to Consider Adding or Taking

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

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

1,4-a-D-glucan branched {Amylopectin}

2-hydroxyethyl)trimethylazanium {choline} 1g/day

A dairy product produced by coagulation of the milk protein casein {Cheese}

Adeps suillus {Lard}

cholic,taurocholic ,chenodeoxycholic,glycocholic acids {Bile supplements}

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements} 400 mg/day

Heyndrickxia coagulans {B. coagulans} 10 BCFU/day

Lactose {Milk Sugar}

N-(phosphonomethyl)glycine {glyphosate}

Nicotine, Nicotine Patch

pseudo-cereals {amaranth,quinoa, taro,buckwheat}

raffinose {sugar beet}

Sleep apnea {partial sleep deprivation}

sodium butyrate

Sus domesticus {Pork}

synthetic disaccharide derivative of lactose {Lactulose}

Titanium Dioxide {E171}

Tobacco consumption {Smoking}

Tributyrin

Vsl#3 {Visibiome}

wheat

Retail Probiotics

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

Biomed / Bacillus Coagulans
 vitamin angels / just thrive
 Sun Wave Pharma/Bio Sun Instant
 nature's way (au) / adult vita gummies daily probiotic 80s
 organic 3 / primal soil
 Maple Life Science™ / Streptococcus faecalis butyricum mesentericus sporogenes
 BIO-BOTANICAL RESEARCH / Megacidin
 reserveage nutrition / beautiflora
 Jetson / FIT
 source naturals / durafloa
 thorne / bacillus coagulansvet 60 caps
 enviromedica terraflora sbo probiotic
 schiff / digestive advantage
 daiichi sankyo healthcare (jp) / panlacmin tablet
 corebiotic
 Bulk Probiotics / Bacillus Coagulans Probiotic
 Nutrition Essentials / Probiotic (900 BCFU)
 mwsb / candida yeast support
 microbiome labs/ megasporebiotic
 klair labs / biospora
 perfect pass / perfect pass probiotic bacillus spore
 global health trax / threelac
 Law of Nature / Best Days Formula
 bio-botanical research / proflora4r restorative probiotic
 Eden's / 3-in-1 Synbiotic Superblend
 nature's instincts / ultra spore probiotic

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.

allium sativum {garlic}

Azadirachta indica {Neem}

Cinnamomum zeylanicum {Ceylon Cinnamon}

Curcuma longa {Turmeric}

Cymbopogon citratus {Lemongrass}

D-(-)-Fructose {Fruit sugar}

Diferuloylmethane {Curcumin}

Honey {Honey }

Lactobacillus plantarum {L. plantarum}

Nigella sativa {black cumin}

Ocimum tenuiflorum {Tulsi}

Pimpinella anisum {Anise}

Propolis {Bee glue}

rosmarinus officinalis {rosemary}

Thymus vulgaris {thyme}

Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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

[A Systematic Review of Denture Stomatitis: Predisposing Factors, Clinical Features, Etiology, and Global Candida spp. Distribution.](#)

Journal of fungi (Basel, Switzerland) , Volume: 10 Issue: 5 2024 Apr 30

Authors Peric M,Milicic B,Kuzmanovic P,Peric J,Zivkovic R,Arsic Arsenijevic V

[Characterization of the Oral Microbiome in Wearers of Fixed and Removable Implant or Non-Implant-Supported Prosthesis in Healthy and Pathological Oral Conditions: A Narrative Review.](#)

Microorganisms , Volume: 11 Issue: 4 2023 Apr 16

Authors D'Ambrosio F,Santella B,Di Palo MP,Giordano F,Lo Giudice R

[The denture microbiome in health and disease: an exploration of a unique community.](#)

Letters in applied microbiology , Volume: 75 Issue: 2 2022 Aug

Authors Redfern J,Tosheva L,Malic S,Butcher M,Ramage G,Verran J

[Clinical study of the biofilm of implant-supported complete dentures in healthy patients.](#)

Gerodontology , Volume: 39 Issue: 2 2022 Jun

Authors Matthes de Freitas Pontes K,Fontenelle ISO,Nascimento CD,Oliveira VC,Albuquerque Garcia B,Silva PGB,Henrique LS,de Souza KM,Pontes CB

[Association between denture stomatitis, candida species and diabetic status.](#)

Journal of biological regulators and homeostatic agents , Volume: 33 Issue: 3 Suppl. 1 2019 May-Jun

Authors Contaldo M,Romano A,Mascitti M,Fiori F,Della Vella F,Serpico R,Santarelli A

[Molecular community profiling of the bacterial microbiota associated with denture-related stomatitis.](#)

Scientific reports , Volume: 9 Issue: 1 2019 Jul 15

Authors Morse DJ,Smith A,Wilson MJ,Marsh L,White L,Posso R,Bradshaw DJ,Wei X,Lewis MAO,Williams DW

[Microbiome associated with denture malodour.](#)

Journal of breath research , Volume: 12 Issue: 2 2018 Jan 17

Authors Yitzhaki S,Reshef L,Gophna U,Rosenberg M,Sterer N

[\[Quantitative and qualitative analysis of oral microbiota by orthopedic rehabilitation with full and partial removable dentures\].](#)

Stomatologia , Volume: 94 Issue: 5 2015

Authors Stafeev AA,Chesnokova MG,Chesnokov VA

[Colonisation of dentures by Staphylococcus aureus and MRSA in out-patient and in-patient populations.](#)

European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology , Volume: 34 Issue: 9 2015 Sep

Authors Lewis N,Parmer N,Hussain Z,Baker G,Green I,Howlett J,Kearns A,Cookson B,McDonald A,Wilson M,Ready D

[\[Denture stomatitis - definition, etiology, classification and treatment\].](#)

Przegląd Lekarski , Volume: 70 Issue: 11 2013

Authors Cubera K

[Clinical and histological findings of denture stomatitis as related to intraoral colonization patterns of Candida albicans, salivary flow, and dry mouth.](#)

Journal of prosthodontics : official journal of the American College of Prosthodontists , Volume: 22 Issue: 1 2013 Jan

Authors Altarawneh S,Bencharit S,Mendoza L,Curran A,Barrow D,Barros S,Preisser J,Loewy ZG,Gendreau L,Offenbacher S

[Candida Colonization on the Denture of Diabetic and Non-diabetic Patients.](#)

Dental research journal , Volume: 6 Issue: 1 2009 Spring

Authors Lotfi-Kamran MH,Jafari AA,Falah-Tafti A,Tavakoli E,Falahzadeh MH

[Non-oral bifidobacteria and the aciduric microbiota of the denture plaque biofilm.](#)

Molecular oral microbiology , Volume: 25 Issue: 3 2010 Jun

Authors Mantzourani M,Gilbert SC,Fenlon M,Beighton D

[Occurrence rate of oral Candida albicans in denture wearer patients.](#)

Advances in medical sciences , Volume: 51 Suppl 1 2006

Authors Daniluk T,Tokajuk G,Stokowska W,Fiedoruk K,Sciepek M,Zaremba ML,Rozkiewicz D,Cylwik-Rokicka D,Kedra BA,Anielska I,Górska M,Kedra BR

[Clinical aspects of Candida infection in denture wearers.](#)

Journal of the American Dental Association (1939) , Volume: 96 Issue: 3 1978 Mar

Authors Budtz-Jørgensen E

[Thyme oil-loaded chitosan microparticles: an antibacterial approach against pathogenic bacteria.](#)

3 Biotech , Volume: 15 Issue: 5 2025 May

Authors Thakur A,Sharma K

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

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,Merik 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

GC/MS and LC Composition Analysis of Essential Oil and Extracts From Wild Rosemary: Evaluation of Their Antioxidant, Antimicrobial, and Anti-Inflammatory Activities.

Biomedical chromatography : BMC , Volume: 39 Issue: 5 2025 May

Authors Mahboub N,Cherfi I,Laouini SE,Bouafia A,Benaissa A,Alia K,Alharthi F,Al-Essa K,Menaa F

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

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

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

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

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

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

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

Chemical Characterization and Antimicrobial Activity of Green Propolis from the Brazilian Caatinga Biome.

Plants (Basel, Switzerland) , Volume: 13 Issue: 24 2024 Dec 21

Authors Aldana-Mejía JA,Ribeiro VP,Katragunta K,Avula B,Tatapudi KK,Bastos JK,Khan IA,Meepagala K,Ross SA

Determination of antibacterial and antioxidant potential of organic crude extracts from Malus domestica, Cinnamomum verum and Trachyspermum ammi.

Scientific reports , Volume: 15 Issue: 1 2025 Jan 6

Authors Irshad A,Jawad R,Mushtaq Q,Spalletta A,Martin P,Ishtiaq U

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

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

Nutrients , Volume: 16 Issue: 23 2024 Nov 29

Authors Thongwong P,Wattanathorn J,Thukham-Mee W

Effect of ozonation on the phytochemicals of black seed oil and its anti-microbial, anti-oxidant, anti-inflammatory, and anti-neoplastic activities in vitro.

Scientific reports , Volume: 14 Issue: 1 2024 Dec 11

Authors Al-Rajhi AMH,Abdelghany TM,Almuhayawi MS,Airuhaili MH,Saddiq AA,Baghdadi AM,Al Jaouni SK,Albasri HM,Waznah MS,Alraddadi FA,Selim S

Microencapsulation of Azadirachta indica oil and Tinospora cordifolia extracts blend for single-use applications.

Heliyon , Volume: 10 Issue: 20 2024 Oct 30

Authors Khan O,Chandra Das S,Bedoura S

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

Frontiers in pharmacology , Volume: 15 2024

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

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

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

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

Effects of Lactiplantibacillus plantarum LM1215 on Candida albicans and Gardnerella vaginalis.

Yonsei medical journal , Volume: 65 Issue: 12 2024 Dec

Authors Bae WY, Lee YJ, Jo S, Shin SL, Kim TR, Sohn M, Seol HJ

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

In-vitro and In-silico evaluation of antimicrobial and antibiofilm effect of Neem oil and Calcium hydroxide nanoparticles against Mutans Streptococci and Enterococcus faecalis isolated from endodontic infections.

Scientific reports , Volume: 14 Issue: 1 2024 Nov 2

Authors Nageeb WM, Adam SH, Hashem N, Abdelsalam N

Cigarette smoke compromises macrophage innate sensing in response to pneumococcal infection.

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

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

Bone Healing via Carvacrol and Curcumin Nanoparticle on 3D Printed Scaffolds.

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

Authors Dahiya A, Chaudhari VS, Bose S

Antimicrobial Activity of Honey and Propolis from Alba County, Romania.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 10 2024 Oct 10

Authors Vica ML, Glevitzky M, Dumitrel GA, Popa M, Glevitzky I, Teodoru CA

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

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

Rosmarinus officinalis and Zataria multiflora extracts enhanced antibacterial activity of ciprofloxacin against methicillin-resistant Staphylococcus aureus.

Natural product research , 2024 Oct 1

Authors Samadi Z, Mousavi Ghahfarrokhi SS, Jafari H, Nikrou S, Vazirian M, Samadi N

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

Microorganisms , Volume: 12 Issue: 9 2024 Sep 19

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

Antimicrobial effect of combined preservatives using chestnut inner shell, cinnamon, and e-poly-lysine against food-poisoning bacteria Staphylococcus aureus.

Food science and biotechnology , Volume: 33 Issue: 14 2024 Nov

Authors Lee NK, Park YJ, Kang CE, Kim JH, Shin D, Lee DH, Paik HD

In vitro and ex vivo metabolism of chemically diverse fructans by bovine rumen Bifidobacterium and Lactobacillus species.

Animal microbiome , Volume: 6 Issue: 1 2024 Sep 9

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

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

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

Comparative Evaluation of Antibacterial Efficacy and Remineralization Potential of Acidulated Phosphate Fluoride Gel with Herbal Dental Gel Containing Zingiber officinale, Salvadora persica, and Cinnamomum zeylanicum: An In Vitro Study.

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

Authors Kohli N, Hugar SM, Hallikerimath S, Gokhale N, Kadam K, Soneta SP

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

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

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

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

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

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

Effects of varying wheat levels on growth performance, intestinal barrier, and cecal microbiota of broilers.

Frontiers in veterinary science , Volume: 11 2024

Authors Wang L,Wei B,Si X,Huang Y,Zhang H,Chen W

Dietary bile acids supplementation decreases hepatic fat deposition with the involvement of altered gut microbiota and liver bile acids profile in broiler chickens.

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

Authors Wang M,Li K,Jiao H,Zhao J,Li H,Zhou Y,Cao A,Wang J,Wang X,Lin H

Preventive effects of probiotics on dental caries in vitro and in vivo.

BMC oral health , Volume: 24 Issue: 1 2024 Aug 8

Authors Zhang J,Wang Q,Duan Z

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

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

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

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

Postbiotic mediators derived from Lactobacillus species enhance riboflavin-mediated antimicrobial photodynamic therapy for eradication of Streptococcus mutans planktonic and biofilm growth.

BMC oral health , Volume: 24 Issue: 1 2024 Jul 24

Authors Pourhajibagher M,Ghafari HA,Bahador A

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

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

Authors García-Gamboa R,Perfecto-Avalos Y,Gonzalez-Garcia J,Alvarez-Calderon MJ,Gutierrez-Vilchis A,Garcia-Gonzalez A

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

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

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

Effects of Lactiplantibacillus plantarum CCFM1214 and Ligilactobacillus salivarius CCFM1215 on halitosis: a double-blind, randomized controlled trial.

Food & function , 2024 Jul 19

Authors Ding L,Wang Y,Jiang Z,Tang X,Mao B,Zhao J,Chen W,Zhang Q,Cui S

Unlocking the therapeutic potential of Nigella sativa extract: phytochemical analysis and revealing antimicrobial and antioxidant marvels.

BMC complementary medicine and therapies , Volume: 24 Issue: 1 2024 Jul 12

Authors Rahman AU,Abdullah A,Faisal S,Mansour B,Yahya G

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

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

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

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

Food chemistry , Volume: 458 2024 Nov 15

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

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

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

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

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

Food chemistry: X , Volume: 23 2024 Oct 30

Authors Luca L,Pauliuc D,Oroian M

Antiviral, Antibacterial, Antifungal, and Anticancer Activity of Plant Materials Derived from Cymbopogon citratus (DC.) Stapf Species.

Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 6 2024 May 29

Authors Kiełtyka-Dadasiewicz A,Esteban J,Jablonska-Trypuc A

Metabolic and microbial mechanisms related to the effects of dietary wheat levels on intramuscular fat content in finishing pigs.

Meat science , Volume: 216 2024 Oct

Authors Wang J,Zhu H,Li H,Xia S,Zhang F,Liu C,Zheng W,Yao W

Rosemary leaf powder improves egg quality, antioxidant status, gut barrier function, and cecal microbiota and metabolites of late-phase laying hens.

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

Authors Zhang L,Ge J,Gao F,Yang M,Li H,Xia F,Bai H,Piao X,Sun Z,Shi L

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

Veterinary world , Volume: 17 Issue: 4 2024 Apr

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

Smoking induced salivary microbiome dysbiosis and is correlated with lipid biomarkers.

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

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

Chemical Composition of Turmeric (Curcuma longa L.) Ethanol Extract and Its Antimicrobial Activities and Free Radical Scavenging Capacities.

Foods (Basel, Switzerland) , Volume: 13 Issue: 10 2024 May 16

Authors Wu H,Liu Z,Zhang Y,Gao B,Li Y,He X,Sun J,Choe U,Chen P,Blaustein RA,Yu L

Insights into the antioxidant, anti-inflammatory and anti-microbial potential of Nigella sativa essential oil against oral pathogens.

Scientific reports , Volume: 14 Issue: 1 2024 May 24

Authors Bhavikatti SK,Zainuddin SLA,Ramli RB,Nadaf SJ,Dandge PB,Khalate M,Karobari MI

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

Nicotine promotes Staphylococcus aureus-induced osteomyelitis by activating the Nrf2/Slc7a11 signaling axis.

International immunopharmacology , Volume: 135 2024 Jun 30

Authors Zhou X,Ma S,Xu Y,Sun C,Liao J,Song M,Li G,Yuchen L,Chen P,Hu Y,Wang Y,Yu B

Antimicrobial and antibiofilm activities of Brazilian organic honey against oral microorganisms.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 55 Issue: 3 2024 Sep

Authors Romário-Silva D,Franchin M,Alencar SM,Bueno-Silva B,de Cássia Orlandi Sardi J,da Silva ACB,Cruz-Vieira F,da Silva PV,Rosalen PL

Differential alteration in Lactiplantibacillus plantarum subsp. plantarum quorum-sensing systems and reduced Candida albicans yeast survival and virulence gene expression in dual-species interaction.

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

Authors Xu Z,Li Y,Xu A,Xue L,Soteyome T,Yuan L,Ma Q,Seneviratne G,Hong W,Mao Y,Kjellerup BV,Liu J

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

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

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

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

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

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

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

Poultry science , Volume: 103 Issue: 5 2024 May

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

Responses of intestinal morphology, immunity, antioxidant status and cecal microbiota to the mixture of glycerol monolaurate and cinnamaldehyde in laying hens.

Poultry science , Volume: 103 Issue: 6 2024 Jun

Authors Chen MY,Duan YL,Zhu Y,Wang JH,Hu QB,Guo SS,Ding BY,Zhang ZF,Li LL

Pharmacological Potential Effects of Algerian Propolis Against Oxidative Stress, Multidrug-Resistant Pathogens Biofilm and Quorum-Sensing.

Turkish journal of pharmaceutical sciences , Volume: 21 Issue: 1 2024 Mar 25

Authors Hadjab W,Zellagui A,Mokrani M,Öztürk M,Ceylan Ö,Gherraf N,Bensouici C

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

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

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

[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

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

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

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

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

Mycotoxin research , Volume: 40 Issue: 2 2024 May

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

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

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

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

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

Food & function , 2024 Feb 2

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

[\[Analysis of gut target microbiota and species difference in patients with obstructive sleep apnea based on 16S rRNA sequencing\].](#)

Nan fang yi ke da xue xue bao = Journal of Southern Medical University , Volume: 44 Issue: 1 2024 Jan 20

Authors Zhu J,Lu M,Jiao Q,Sun Y,Liu L,Ding H,Yu Y,Pan L

[Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF- \$\kappa\$ B Inflammasome 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

[Azadirachta indica \(AI\)leaf extract coated ZnO-Alnanocore-shell particles for enhanced antibacterial activity against methicillin-resistant Staphylococcus aureus\(MRSA\).](#)

Biomedical materials (Bristol, England) , Volume: 19 Issue: 2 2024 Jan 24

Authors Sharma B,Upadhyaya D,Deshmukh P,Chakraborty S,Sahu K,Satapathy S,Majumder SK

[Bioactive compounds of honey from different regions of Brazil: the effect of simulated gastrointestinal digestion on antioxidant and antimicrobial properties.](#)

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

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

[Integrated gut microbiome and metabolome analysis reveals the inhibition effect of Lactobacillus plantarum CBT against colorectal cancer.](#)

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

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

[Chemoprofiling and antimicrobial activity of medicinal herbs used in the treatment of inflammatory bowel disease.](#)

Cellular and molecular biology (Noisy-le-Grand, France) , Volume: 69 Issue: 13 2023 Dec 10

Authors Alshahrani A,Ali A,Abdelwahab SF

[Effects of Lactobacillus plantarum HW1 on Growth Performance, Intestinal Immune Response, Barrier Function, and Cecal Microflora of Broilers with Necrotic Enteritis.](#)

Animals : an open access journal from MDPI , Volume: 13 Issue: 24 2023 Dec 10

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

[Effects of Spirulina platensis and/or Allium sativum on Antioxidant Status, Immune Response, Gut Morphology, and Intestinal Lactobacilli and Coliforms of Heat-Stressed Broiler Chicken.](#)

Veterinary sciences , Volume: 10 Issue: 12 2023 Nov 27

Authors Attia YA,Hassan RA,Addeo NF,Bovera F,Alhotan RA,Al-Qurashi AD,Al-Baadani HH,Al-Banoby MA,Khafaga AF,Eisenreich W,Shehata AA,Basiouni S

[Impact of glyphosate \(Roundup\(TM\)\) on the composition and functionality of the gut microbiome.](#)

Gut microbes , Volume: 15 Issue: 2 2023 Dec

Authors Walsh L,Hill C,Ross RP

[In silico design and mechanistic study of niosome-encapsulated curcumin against multidrug-resistant Staphylococcus aureus biofilms.](#)

Frontiers in microbiology , Volume: 14 2023

Authors Khaleghian M,Sahrayi H,Hafezi Y,Mirshafeeyan M,Moghaddam ZS,Farasati Far B,Noorbazargan H,Mirzaie A,Ren Q
To Evaluate and Compare the Antimicrobial Efficacy of Various Disinfecting Agents on K-file against Gram-positive and Gram-negative Bacteria of Endodontic Origin: An In Vitro Study.

International journal of clinical pediatric dentistry , Volume: 16 Issue: Suppl 2 2023 Sep

Authors Opi K,Dhinsa K,Tripathi AM,Saha S

Role of microencapsulated Lactobacillus plantarum in alleviating intestinal inflammatory damage through promoting epithelial proliferation and differentiation in layer chicks.

Frontiers in microbiology , Volume: 14 2023

Authors Cui Y,Huang P,Duan H,Song S,Gan L,Liu Z,Lin Q,Wang J,Qi G,Guan J

Analysis of the antibacterial effects of turmeric on particular bacteria.

Medicine , Volume: 102 Issue: 48 2023 Dec 1

Authors Odo EO,Ikwuegbu JA,Obeagu EI,Chibueze SA,Ochiaka RE

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

Green synthesis of biogenic selenium nanoparticles functionalized with ginger dietary extract targeting virulence factor and biofilm formation in Candida albicans.

Microbial pathogenesis , Volume: 186 2024 Jan

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

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

Antioxidant Capacity of Eugenol and Its Effect on Intestinal Flora Under in Vitro Simulated Conditions.

Studies in health technology and informatics , Volume: 308 2023 Nov 23

Authors Dai J

Biosynthesis of Al(2) O(3) and europium-doped Al(2) O(3) nanoparticle using Cymbopogon citratus (lemongrass) extract and its antibacterial property.

Luminescence : the journal of biological and chemical luminescence , Volume: 39 Issue: 1 2024 Jan

Authors Tanwar SN,Parauha YR,There Y,Dhoble SJ

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

Antibacterial activity of herbal formulation against common oral pathogens.

Bioinformation , Volume: 19 Issue: 5 2023

Authors Varghese RM,Aravind Kumar S,Rajeshkumar S

Differential effects of plant-based flours on metabolic homeostasis and the gut microbiota in high-fat fed rats.

Nutrition & metabolism , Volume: 20 Issue: 1 2023 Oct 19

Authors Martinez TM,Wachsmuth HR,Meyer RK,Weninger SN,Lane AI,Kangath A,Schiro G,Laubitz D,Stern JH,Duca FA

Short-term dietary choline supplementation alters the gut microbiota and liver metabolism of finishing pigs.

Frontiers in microbiology , Volume: 14 2023

Authors Xie Z,Du J,Gan M,Zhou C,Li M,Liu C,Wang M,Chen L,Zhao Y,Wang Y,Jiang Y,Cheng W,Zhu K,Luo Y,Zhu L,Shen L

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

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,Aisolami 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

Delivery of short chain fatty acid butyrate to overcome Fusobacterium nucleatum-induced chemoresistance.

Journal of controlled release : official journal of the Controlled Release Society , Volume: 363 2023 Nov

Authors Chen L,Zhao R,Kang Z,Cao Z,Liu N,Shen J,Wang C,Pan F,Zhou X,Liu Z,Yang Y,Chen Q

Genomic DNA Extracted from Lactiplantibacillus plantarum Attenuates Porphyromonas gingivalis Lipopolysaccharide (LPS)-Induced Inflammatory Responses via Suppression of Toll-Like Receptor (TLR)-Mediated Mitogen-Activated Protein Kinase (MAPK) and Nuclear Factor- κ B (NF- κ B) Signaling Pathways.

Food science of animal resources , Volume: 43 Issue: 5 2023 Sep

Authors Choi YH,Kim BS,Kang SS

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

In vitro antimicrobial and cytotoxic activity of Neem and Kirata herbal formulation mediated Silver nanoparticles.

Bioinformation , Volume: 18 Issue: 11 2022

Authors R R,Sp SD,B N,S R

Unveiling the bioactive potential of Pimpinella anisum L. leaf extracts: Chromatographic profiling, antimicrobial efficiency, and cytotoxicity analysis.

Biomedical chromatography : BMC , Volume: 37 Issue: 12 2023 Dec

Authors Dawoud T,Ameen F

The chronic consumption of dietary fructose promotes the gut Clostridium species imbalance and bile acid alterations in developing nonalcoholic fatty liver disease.

The Journal of nutritional biochemistry , Volume: 121 2023 Nov

Authors Zhang D,Wang H,Liu A,Wang S,Xu C,Lan K,Xiang W,Zhu K,Xiao Y,Fu J,Jiang R,Chen W,Ni Y

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

Food & function , 2023 Sep 1

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

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

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

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

Tributylin 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

Influences of wheat bran fiber on growth performance, nutrient digestibility, and intestinal epithelium functions in Xiangcun pigs.

Heliyon , Volume: 9 Issue: 7 2023 Jul

Authors Liu J,Luo Y,Kong X,Yu B,Zheng P,Huang Z,Mao X,Yu J,Luo J,Yan H,He J

Pimpinella anisum L. Essential Oil a Valuable Antibacterial and Antifungal Alternative.

Plants (Basel, Switzerland) , Volume: 12 Issue: 13 2023 Jun 23

Authors Dumitrescu E,Muselin F,Tirziu E,Folescu M,Dumitrescu CS,Orboi DM,Cristina RT

Sodium butyrate ameliorates diabetic retinopathy in mice via the regulation of gut microbiota and related short-chain fatty acids.

Journal of translational medicine , Volume: 21 Issue: 1 2023 Jul 7

Authors Huang Y,Wang Z,Ye B,Ma JH,Sheng W,Ye S,Ou Y,Peng Y,Yang X,Chen J,Tang S

Cinnamon oil solid self-microemulsion mediates chronic mild stress-induced depression in mice by modulating monoamine neurotransmitters, corticosterone, inflammation cytokines, and intestinal flora.

Heliyon , Volume: 9 Issue: 6 2023 Jun

Authors Ma T,Tang B,Wang Y,Shen M,Ping Y,Wang L,Su J

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

Medicine , Volume: 102 Issue: 20 2023 May 19

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

Low-dose glyphosate exposure alters gut microbiota composition and modulates gut homeostasis.

Environmental toxicology and pharmacology , Volume: 100 2023 Jun

Authors Lehman PC,Cady N,Ghimire S,Shahi SK,Shrode RL,Lehmiller HJ,Mangalam AK

The Impact of Smoking on Microbiota: A Narrative Review.

Biomedicines , Volume: 11 Issue: 4 2023 Apr 10

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

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

Carbohydrate polymers , Volume: 313 2023 Aug 1

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

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

Animal bioscience , Volume: 36 Issue: 8 2023 Aug

Authors Vimom S,Angkanaporn K,Nuengjamnong C

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

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

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

Chemical Constituents, Antioxidant Potential, and Antimicrobial Efficacy of Pimpinella anisum Extracts against Multidrug-Resistant Bacteria.

Microorganisms , Volume: 11 Issue: 4 2023 Apr 14

Authors AlBalawi AN,Elmetwalli A,Baraka DM,Alnağar HA,Alamri ES,Hassan MG

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

OSA Is Associated With the Human Gut Microbiota Composition and Functional Potential in the Population-Based Swedish CardioPulmonary bioImage Study.

Chest , Volume: 164 Issue: 2 2023 Aug

Authors Baldanzi G,Sayols-Baixeras S,Theorell-Haglöw J,Dekkers KF,Hammar U,Nguyen D,Lin YT,Ahmad S,Holm JB,Nielsen HB,Brunckwall L,Benedict C,Cedernaes J,Koskiniemi S,Phillipson M,Lind L,Sundström J,Bergström G,Engström G,Smith JG,Orho-Melander M,Ärnlöv J,Kennedy B,Lindberg E,Fall T

In vitro antibacterial effect of Pimpinella anisum essential oil on Enterococcus faecalis, Lactobacillus casei, Actinomyces naeslundii, and Aggregatibacter actinomycetemcomitans.

Folia medica , Volume: 64 Issue: 5 2022 Oct 31

Authors Bakhshi M,Kamalinejad M,Shokri M,Forouzani G,Heidari F,Tofangchiha M

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

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

The potential role of nondigestible Raffinose family oligosaccharides as prebiotics.

Glycobiology , Volume: 33 Issue: 4 2023 May 17

Authors Kanwal F,Ren D,Kanwal W,Ding M,Su J,Shang X

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

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

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

Chemical Composition and Antimicrobial Activity of New Honey Varietals.

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

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

Impacts of sodium butyrate on intestinal mucosal barrier and intestinal microbial community in a weaned piglet model.

Frontiers in microbiology , Volume: 13 2022

Authors Liu H,Zhao J,Zhang W,Nie C

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

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

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

High-fat diet promotes the effect of fructo-oligosaccharides on the colonic luminal environment, including alkaline phosphatase activity in rats.

Nutrition research (New York, N.Y.) , Volume: 110 2023 Feb

Authors Okazaki Y,Katayama T

Acute sleep deprivation exacerbates systemic inflammation and psychiatry disorders through gut microbiota dysbiosis and disruption of circadian rhythms.

Microbiological research , Volume: 268 2023 Mar

Authors Yang DF,Huang WC,Wu CW,Huang CY,Yang YSH,Tung YT

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

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

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

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

Dietary bile acid supplementation alters plasma biochemical and hormone indicators, intestinal digestive capacity, and microbiota of piglets with normal birth weight and intrauterine growth retardation.

Frontiers in microbiology , Volume: 13 2022

Authors Liu Y,Azad MAK,Zhu Q,Yu Z,Kong X

Antibacterial and Antiproliferative Activities of Azadirachta indica Leaf Extract and Its Effect on Oil-in-Water Food Emulsion Stability.

Molecules (Basel, Switzerland) , Volume: 27 Issue: 22 2022 Nov 11

Authors Ouerfelli M,Metón I,Codina-Torrella I,Almajano MP

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

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

Authors Sadaqat MH,Mobarez AM,Nikkhah M

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

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

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

Glyphosate and its formulations Roundup Bioflow and RangerPro alter bacterial and fungal community composition in the rat caecum microbiome.

Frontiers in microbiology , Volume: 13 2022

Authors Mesnage R,Panzacchi S,Bourne E,Mein CA,Perry MJ,Hu J,Chen J,Mandrioli D,Belpoggi F,Antoniou MN

Effects of iron deficiency and iron supplementation at the host-microbiota interface: Could a piglet model unravel complexities of the underlying mechanisms?

Frontiers in nutrition , Volume: 9 2022

Authors Abbas M,Hayirli Z,Drakesmith H,Andrews SC,Lewis MC

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

Frontiers in endocrinology , Volume: 13 2022

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

Nigella sativa oil protects against cadmium-induced intestinal toxicity via promotion of anti-inflammatory mechanisms, mucin expression and microbiota integrity.

Avicenna journal of phytomedicine , Volume: 12 Issue: 3 2022 May-Jun

Authors Akinrinde AS,Adekanmbi AO,Olojo FO

Alginate hydrogel with enhanced curcumin release through HPβCD assisted host-guest interaction.

Biomaterials advances , Volume: 141 2022 Oct

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

Quercetin Is a Novel Inhibitor of the Choline Kinase of Streptococcus pneumoniae.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 9 2022 Sep 19

Authors Zimmerman T,Ibrahim SA

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

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

Tartary Buckwheat Flavonoids Improve Colon Lesions and Modulate Gut Microbiota Composition in Diabetic Mice.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2022 2022

Authors Cheng W,Cai C,Kreft I,Turnšek TL,Zu M,Hu Y,Zhou M,Liao Z

Fabrication and Optimization of Essential-Oil-Loaded Nanoemulsion Using Box-Behnken Design against *Staphylococcus aureus* and *Staphylococcus epidermidis* Isolated from Oral Cavity.

Pharmaceutics , Volume: 14 Issue: 8 2022 Aug 5

Authors Ullah N,Amin A,Alamoudi RA,Rasheed SA,Alamoudi RA,Nawaz A,Raza M,Nawaz T,Ishtiaq S,Abbas SS

Regulation of a High-Iron Diet on Lipid Metabolism and Gut Microbiota in Mice.

Animals : an open access journal from MDPI , Volume: 12 Issue: 16 2022 Aug 13

Authors Xiong Q,Zhao J,Tian C,Ma W,Miao L,Liang L,Zhang K,Du H

Antimicrobial Properties of Acrylic Resin Incorporated with Propolis Nanoparticles.

Frontiers in dentistry , Volume: 18 2021

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

Phytochemical Analysis and Antioxidant, Antibacterial, and Antifungal Effects of Essential Oil of Black Caraway (*Nigella sativa* L.) Seeds against Drug-Resistant Clinically Pathogenic Microorganisms.

BioMed research international , Volume: 2022 2022

Authors Zouirech O,Alyousef AA,El Barnossi A,El Moussaoui A,Bourhia M,Salamatullah AM,Ouahmane L,Giesy JP,Aboul-Soud MAM,Lyousi B,Derwich E

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

Kaempferia parviflora Rhizome Extract as Potential Anti-Acne Ingredient.

Molecules (Basel, Switzerland) , Volume: 27 Issue: 14 2022 Jul 8

Authors Sitthichai P,Chanpirom S,Maneerat T,Charoensup R,Tree-Udom T,Pintathong P,Laphookhieo S,Sripisut T

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

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

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

Liver Transcriptome and Gut Microbiome Analysis Reveals the Effects of High Fructose Corn Syrup in Mice.

Frontiers in nutrition , Volume: 9 2022

Authors Shen Y,Sun Y,Wang X,Xiao Y,Ma L,Lyu W,Zheng Z,Wang W,Li J

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

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

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

Dietary Eugenol Nanoemulsion Potentiated Performance of Broiler Chickens: Orchestration of Digestive Enzymes, Intestinal Barrier Functions and Cytokines Related Gene Expression With a Consequence of Attenuating the Severity of *E. coli* O78 Infection.

Frontiers in veterinary science , Volume: 9 2022

Authors Ibrahim D,Eldemery F,Metwally AS,Abd-Allah EM,Mohamed DT,Ismail TA,Hamed TA,Al Sadik GM,Neamat-Allah ANF,Abd El-Hamid MI

The Effect of *Pimpinella Anisum* and *Origanum Vulgare* Extracts Against *Streptococcus Sanguinis*, *Streptococcus Mutans*, and *Streptococcus Salivarius*.

Journal of dentistry (Shiraz, Iran) , Volume: 23 Issue: 2 2022 Jun

Authors Lavaee F,Mogadas A,Modarresi F,Nowrouzi M

The effect of local application of thymoquinone, *Nigella sativa*'s bioactive component, on bone healing in experimental bone defects infected with *Porphyromonas gingivalis*.

Journal of periodontal & implant science , Volume: 52 Issue: 3 2022 Jun

Authors Bastug AY,Tomruk CÖ,Güzel E,Özdemir I,Duygu G,Kütan E,Ülker GMY,Arici FÖ

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

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

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

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

Frontiers in nutrition , Volume: 9 2022

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

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

Pharmaceutics , Volume: 14 Issue: 6 2022 May 31

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

Antifungal, Antioxidant and Antibiofilm Activities of Essential Oils of Cymbopogon spp.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 6 2022 Jun 20

Authors Rhimi W,Mohammed MA,Zarea AAK,Greco G,Tempesta M,Otranto D,Cafarchia C

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

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

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

Comparative Palynological, Physicochemical, Antioxidant and Antibacterial Properties of Romanian Honey Varieties for Biomedical Applications.

Chemistry & biodiversity , Volume: 19 Issue: 8 2022 Aug

Authors Iosageanu A,Mihai E,Prelicean AM,Anton RE,Utoiu E,Oancea A,Craciunescu O,Cimpean A

Chemical Profile, Antibacterial and Antioxidant Potential of Zingiber officinale Roscoe and Elettaria cardamomum (L.)

Maton Essential Oils and Extracts.

Plants (Basel, Switzerland) , Volume: 11 Issue: 11 2022 May 31

Authors Tarfaoui K,Brhadda N,Ziri R,Oubihi A,Imtara H,Haida S,Al Kamaly OM,Saleh A,Parvez MK,Fettach S,Ouhssine M

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

Infection and drug resistance , Volume: 15 2022

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

Evaluation of Antimicrobial Activity of Aqueous Extract of "Ocimum Sanctum-Queen of Herb" on Dental Caries

Microorganisms: An In Vitro Study.

International journal of clinical pediatric dentistry , Volume: 15 Issue: Suppl 2 2022

Authors Pai KR,Pallavi LK,Bhat SS,Hegde SK

Comparative Analysis of the Antimicrobial Activity of Essential Oils and Their Formulated Microemulsions against Foodborne Pathogens and Spoilage Bacteria.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 4 2022 Mar 25

Authors Campana R,Tiboni M,Maggi F,Cappellacci L,Cianfaglione K,Morshedloo MR,Frangipani E,Casettari L

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

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

Mechanistic basis of choline import involved in teichoic acids and lipopolysaccharide modification.

Science advances , Volume: 8 Issue: 9 2022 Mar 4

Authors Bärland N,Rueff AS,Cabrero G,Hutter CAJ,Seeger MA,Veening JW,Perez C

Different Effects of Lard and Vegetable Blend Oil on Intestinal Microorganisms, Enzyme Activity and Blood Routine in Mice.

Journal of oleo science , Volume: 71 Issue: 2 2022 Feb 3

Authors Qiao B,Li X,Zheng T,Tan 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

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

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

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

Lemongrass and Perilla Essential Oils Synergistically Increased Antimicrobial Activity.

Medical mycology journal , Volume: 62 Issue: 4 2021

Authors Ishijima SA,Ezawa K,Abe S

Growth performance, internal organ traits, intestinal morphology, and microbial population of broiler chickens fed quinoa seed-based diets with phytase or protease supplements and their combination.

Tropical animal health and production , Volume: 53 Issue: 6 2021 Nov 6

Authors Amiri MYA,Jafari MA,Irani M

Combined effect of carvacrol, thymol and nisin against Staphylococcus aureus and Salmonella Enteritidis.

Anais da Academia Brasileira de Ciencias , Volume: 93 Issue: suppl 4 2021

Authors Heckler C,Sant`anna V,Brandelli A,Malheiros PS

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 physterol 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

A comparative assessment of pomegranate extract, sodium hypochlorite, chlorhexidine, Myrrh (Commiphora molmol), tulsi extract against Enterococcus faecalis, Fusobacterium nucleatum and Staphylococci epidermidis.

Journal of oral and maxillofacial pathology : JOMFP , Volume: 25 Issue: 2 2021 May-Aug

Authors Sisodiya M,Ahmed S,Sengupta R,Priyanka,Saha AK,Verma G

Antifungal effects of tulsi, garlic, cinnamon and lemongrass in powder and oil form on Candida albicans: An in vitro study.

Journal of oral and maxillofacial pathology : JOMFP , Volume: 25 Issue: 2 2021 May-Aug

Authors Prajapati M,Shah M,Ranginwala A,Agrawal P,Acharya D,Thakkar S

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

Supplementation with Lactiplantibacillus plantarum IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.

International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16

Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C

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

Antibiofilm Potential of Medicinal Plants against Candida spp. Oral Biofilms: A Review.

Antibiotics (Basel, Switzerland) , Volume: 10 Issue: 9 2021 Sep 21

Authors Guimarães R,Milho C,Liberal Â,Silva J,Fonseca C,Barbosa A,Ferreira ICFR,Alves MJ,Barros L

Dietary and Pharmacologic Manipulations of Host Lipids and Their Interaction With the Gut Microbiome in Non-human Primates.

Frontiers in medicine , Volume: 8 2021

Authors Lang JM,Sedgeman LR,Cai L,Layne JD,Wang Z,Pan C,Lee R,Temel RE,Lusis AJ

A Novel Sprouted Oat Fermented Beverage: Evaluation of Safety and Health Benefits for Celiac Individuals.

Nutrients , Volume: 13 Issue: 8 2021 Jul 23

Authors Aparicio-García N,Martínez-Villaluenga C,Frias J,Crespo Perez L,Fernández CF,Alba C,Rodríguez JM,Peñas E

Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.

Frontiers in nutrition , Volume: 8 2021

Authors Karakan T,Tuohy KM,Janssen-van Solingen G

Promiscuous Pseudomonas: Uptake of Non-Endogenous Ligands for Iron Acquisition.

Tetrahedron letters , Volume: 75 2021 Jul 6

Authors Kaplan AR,Wuest WM

Facile Synthesis of Natural Anise-Based Nanoemulsions and Their Antimicrobial Activity.

Polymers , Volume: 13 Issue: 12 2021 Jun 19

Authors Abu Ali OA,El-Naggar ME,Abdel-Aziz MS,Saleh DI,Abu-Saied MA,El-Sayed WA

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

PLoS one , Volume: 16 Issue: 6 2021

Authors Jung TH,Han KS

Dietary turmeric (Curcuma longa L.) supplementation improves growth performance, short-chain fatty acid production, and modulates bacterial composition of weaned piglets.

Journal of animal science and technology , Volume: 63 Issue: 3 2021 May

Authors Recharla N,Balasubramanian B,Song M,Puligundla P, Kim SK,Jeong JY,Park S

[Curcumin modulates gut microbiota and improves renal function in rats with uric acid nephropathy.](#)

Renal failure , Volume: 43 Issue: 1 2021 Dec

Authors Xu X,Wang H,Guo D,Man X,Liu J,Li J,Luo C,Zhang M,Zhen L,Liu X

[The Efficacy of Short-Term Weight Loss Programs and Consumption of Natural Probiotic Bryndza Cheese on Gut Microbiota Composition in Women.](#)

Nutrients , Volume: 13 Issue: 6 2021 May 21

Authors Hric I,Ugrayová S,Penesová A,Rádlíková Ž,Kubánová L,Šardzíková S,Baranovicová E,Klucár L,Beke G,Grendar M,Kolisek M,Šoltys K,Bielik V

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

Food chemistry , Volume: 361 2021 Nov 1

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

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

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

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

[Assessment of antibacterial and antifungal potential of Curcuma longa and synthesized nanoparticles: A comparative study.](#)

Journal of basic microbiology , Volume: 61 Issue: 7 2021 Jul

Authors Khan MA,Moghul NB,Butt MA,Kiyani MM,Zafar I,Bukhari AI

[Anti-MRSA activity of curcumin in planktonic cells and biofilms and determination of possible action mechanisms.](#)

Microbial pathogenesis , Volume: 155 2021 Jun

Authors Batista de Andrade Neto J,Pessoa de Farias Cabral V,Brito Nogueira LF,Rocha da Silva C,Gurgel do Amaral Valente Sá L,Ramos da Silva A,Barbosa da Silva WM,Silva J,Marinho ES,Cavalcanti BC,Odorico de Moraes M,Nobre Júnior HV

[Inhibitory effect of black cumin \(Nigella sativa\) seed essential oil on Fusobacterium nucleatum L-methionine- \$\gamma\$ -lyase \(L-methioninase\) activity.](#)

FEMS microbiology letters , Volume: 368 Issue: 7 2021 May 3

Authors Ishikawa M,Murata T,Okamoto M,Miyanohara M,Yamashita M,Hanada N,Senpuku H,Shibuya K

[Anti-Inflammatory and Antimicrobial Activities of Compounds Isolated from Distichochlamys benenica.](#)

BioMed research international , Volume: 2021 2021

Authors Pham TV,Hoang HNT,Nguyen HT,Nguyen HM,Huynh CT,Vu TY,Do AT,Nguyen NH,Do BH

[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

[Ancient grains as novel dietary carbohydrate sources in canine diets.](#)

Journal of animal science , Volume: 99 Issue: 6 2021 Jun 1

Authors Traughber ZT,He F,Hoke JM,Davenport GM,Rodríguez-Zas SL,Southey BR,de Godoy MRC

[Lactobacillus plantarum and Bifidobacterium bifidum alleviate dry eye in mice with exorbital lacrimal gland excision by modulating gut inflammation and microbiota.](#)

Food & function , Volume: 12 Issue: 6 2021 Mar 21

Authors Yun SW,Son YH,Lee DY,Shin YJ,Han MJ, Kim DH

[Antibiofilm effects of Thymus vulgaris and Hyptis spicigera essential oils on cariogenic bacteria.](#)

Future microbiology , Volume: 16 2021 Mar

Authors de Oliveira MA,da C Vegjan MR,Brighenti FL,Salvador MJ,Koga-Ito CY

[Effect of probiotic Lactobacillus plantarum Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults.](#)

World journal of gastroenterology , Volume: 27 Issue: 1 2021 Jan 7

Authors Rahayu ES,Mariyatun M,Putri Manurung NE,Hasan PN,Therdatha P,Mishima R,Komalasari H,Mahfuzah NA,Pamungkaningtyas FH,Yoga WK,Nurfiana DA,Liwan SY,Juffrie M,Nugroho AE,Utami T

[Use of Shotgun Metagenomics and Metabolomics to Evaluate the Impact of Glyphosate or Roundup MON 52276 on the Gut Microbiota and Serum Metabolome of Sprague-Dawley Rats.](#)

Environmental health perspectives , Volume: 129 Issue: 1 2021 Jan

Authors Mesnage R,Teixeira M,Mandrioli D,Falcioni L,Ducarmon QR,Zwittink RD,Mazzacuva F,Caldwell A,Halket J,Amiel C,Panoff JM,Belpoggi F,Antoniou MN

[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

Combinatorial liposomes of berberine and curcumin inhibit biofilm formation and intracellular methicillin resistant Staphylococcus aureus infections and associated inflammation.

Journal of materials chemistry. B , Volume: 9 Issue: 3 2021 Jan 28

Authors Bhatia E, Sharma S, Jadhav K, Banerjee R

The Fungal Microbiome and Asthma.

Frontiers in cellular and infection microbiology , Volume: 10 2020

Authors van Tilburg Bernardes E, Gutierrez MW, Arrieta MC

Supplemental Choline Modulates Growth Performance and Gut Inflammation by Altering the Gut Microbiota and Lipid Metabolism in Weaned Piglets.

The Journal of nutrition , Volume: 151 Issue: 1 2021 Jan 4

Authors Qiu Y, Liu S, Hou L, Li K, Wang L, Gao K, Yang X, Jiang Z

A comparative evaluation of the antibacterial efficacy of Thymus vulgaris, Salvadora persica, Acacia nilotica, Calendula arvensis, and 5% sodium hypochlorite against Enterococcus faecalis: An in-vitro study.

Journal of conservative dentistry : JCD , Volume: 23 Issue: 1 2020 Jan-Feb

Authors Gupta D, Kamat S, Hugar S, Nanjannawar G, Kulkarni R

Lactobacillus plantarum relieves diarrhea caused by enterotoxin-producing Escherichia coli through inflammation modulation and gut microbiota regulation.

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

Authors Yue Y, He Z, Zhou Y, Ross RP, Stanton C, Zhao J, Zhang H, Yang B, Chen W

Effect of Five Commercial Probiotic Formulations on Candida Albicans Growth: In Vitro Study.

The Journal of clinical pediatric dentistry , Volume: 44 Issue: 5 2020 Sep 1

Authors Hernández-Bautista LM, Márquez-Preciado R, Ortiz-Magdaleno M, Pozos-Guillén A, Aranda-Romo S, Sánchez-Vargas LO

Alcohol decreases intestinal ratio of Lactobacillus to Enterobacteriaceae and induces hepatic immune tolerance in a murine model of DSS-colitis.

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

Authors Kuprys PV, Cannon AR, Shieh J, Iftekhar N, Park SK, Eberhardt JM, Ding X, Choudhry MA

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

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

Authors Ali A, Dar RR, Ahmad SF, Singh SK, Patra MK, Panigrahi M, Kumar H, Krishnaswamy N

Comparison of Antimicrobial Efficacy of Four Different Plant Extracts against Cariogenic Bacteria: An In Vitro Study.

International journal of clinical pediatric dentistry , Volume: 13 Issue: 4 2020 Jul-Aug

Authors Rai A, Tripathi AM, Saha S, Dhinsa K, Jain B, Yadav G

Chemical Composition and Antimicrobial Activity of Selected Essential Oils against Staphylococcus spp. Isolated from Human Semen.

Antibiotics (Basel, Switzerland) , Volume: 9 Issue: 11 2020 Oct 31

Authors Kacániová M, Terentjeva M, Štefániková J, Žiarovská J, Savitskaya T, Grinshpan D, Kowalczewski PL, Vukovic N, Tvrdá E

Antibacterial property of Azadirachta indica, Ocimum sanctum, and Vitex negundo against oral microbes.

Journal of conservative dentistry : JCD , Volume: 22 Issue: 6 2019 Nov-Dec

Authors Kalita C, Raja D, Saikia A, Saikia AK

Investigation on the biofilm eradication potential of selected medicinal plants against methicillin-resistant Staphylococcus aureus.

Biotechnology reports (Amsterdam, Netherlands) , Volume: 28 2020 Dec

Authors S LP, A U, S J GF

The Influence of Essential Oils on Gut Microbial Profiles in Pigs.

Animals : an open access journal from MDPI , Volume: 10 Issue: 10 2020 Sep 24

Authors Ruzauskas M, Bartkiene E, Stankevicius A, Bernatoniene J, Zadeike D, Lele V, Starkute V, Zavistanaviciute P, Grigas J, Zokaityte E, Pautienius A, Juodeikiene G, Jakstas V

Assessment of cytotoxic and antimicrobial activities of two components of Cymbopogon citratus essential oil.

Journal of clinical and experimental dentistry , Volume: 12 Issue: 8 2020 Aug

Authors Chaves-Quirós C, Usuga-Usuga JS, Morales-Uchima SM, Tofiño-Rivera AP, Tobón-Arroyave SI, Martínez-Pabón MC

Brazilian southeast brown propolis: gas chromatography method development for its volatile oil analysis, its antimicrobial and leishmanicidal activities evaluation.

Phytochemical analysis : PCA , Volume: 32 Issue: 3 2021 May

Authors Ribeiro VP, Arruda C, Mejía JAA, Candido ACBB, Dos Santos RA, Magalhães LG, Bastos JK

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

In vitro Synergy of Polyphenolic Extracts From Honey, Myrtle and Pomegranate Against Oral Pathogens, S. mutans and R. dentocariosa.**Frontiers in microbiology , Volume: 11 2020**

Authors Sateriale D,Facchiano S,Colicchio R,Pagliuca C,Varricchio E,Paolucci M,Volpe MG,Salvatore P,Pagliarulo C

Impacts of Habitual Diets Intake on Gut Microbial Counts in Healthy Japanese Adults.**Nutrients , Volume: 12 Issue: 8 2020 Aug 12**

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

Lactobacillus plantarum PS128 Improves Physiological Adaptation and Performance in Triathletes through Gut Microbiota Modulation.**Nutrients , Volume: 12 Issue: 8 2020 Aug 1**

Authors Huang WC,Pan CH,Wei CC,Huang HY

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

The influence of <i>Azadirachta indica</i>, <i>Melaleuca alternifolia</i>, and <i>Cocos nucifera</i> on <i>Candida albicans</i> strain in tissue conditioner at varying time intervals.**Journal of Indian Prosthodontic Society , Volume: 20 Issue: 2 2020 Apr-Jun**

Authors Kumar PS

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

Bile Acid Supplementation Improves Murine Pancreatitis in Association With the Gut Microbiota.**Frontiers in physiology , Volume: 11 2020**

Authors Wan YD,Zhu RX,Pan XT,Sun TW

Effects of phenolic and protein extracts from Melipona beecheii honey on pathogenic strains of Escherichia coli and Staphylococcus aureus.**Food science and biotechnology , Volume: 29 Issue: 7 2020 Jul**

Authors Ramón-Sierra J,Martínez-Guevara JL,Pool-Yam L,Magaña-Ortiz D,Yam-Puc A,Ortiz-Vázquez E

Rosemary and Tea Tree Essential Oils Exert Antibiofilm Activities In Vitro against Staphylococcus aureus and Escherichia coli.**Journal of food protection , Volume: 83 Issue: 7 2020 Jul 1**

Authors Liu T,Wang J,Gong X,Wu X,Liu L,Chi F

[Anti-microbial activity of Rosmarinus officinalis and Zingiber officinale extracts on the species of the genus Candida and on Streptococcus pneumonia].**Annales pharmaceutiques francaises , Volume: 79 Issue: 1 2021 Jan**

Authors Akroum S

Antioxidant and antimicrobial activity of red propolis embedded mesoporous silica nanoparticles.**Drug development and industrial pharmacy , Volume: 46 Issue: 7 2020 Jul**

Authors Azevedo de M Oliveira LF,Teles da Silva LVA,do Nascimento TG,de Almeida LM,Calumby RJN,Nunes ÁM,de Magalhães Oliveira LMT,da Silva Fonseca EJ

Innate Immune Response against Staphylococcus aureus Preincubated with Subinhibitory Concentration of trans-Anethole.**International journal of molecular sciences , Volume: 21 Issue: 11 2020 Jun 11**

Authors Kwiatkowski P,Wojciuk B,Wojciechowska-Koszko I,Lopusiewicz L,Grygorcewicz B,Pruss A,Sienkiewicz M,Fijalkowski K,Kowalczyk E,Dolegowska B

Use of black seed (Nigella sativa) honey bee to improve sheep oocyte maturation medium.**Environmental science and pollution research international , Volume: 27 Issue: 27 2020 Sep**

Authors Kaabi AM,Barakat IAH,Alajmi RA,Abdel-Daim MM

Curcuma longa L. (turmeric), Rosmarinus officinalis L. (rosemary), and Thymus vulgaris L. (thyme) extracts aid murine macrophages (RAW 264.7) to fight Streptococcus mutans during in vitro infection.**Archives of microbiology , Volume: 202 Issue: 8 2020 Oct**

Authors Figueira LW,de Oliveira JR,Camargo SEA,de Oliveira LD

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

Green approach in food nanotechnology based on subcritical water: effects of thyme oil and saponin on characteristics of the prepared oil in water nanoemulsions.

Food science and biotechnology , Volume: 29 Issue: 6 2020 Jun

Authors Ahmadi O,Jafarizadeh-Malmiri H

Foodborne Titanium Dioxide Nanoparticles Induce Stronger Adverse Effects in Obese Mice than Non-Obese Mice: Gut Microbiota Dysbiosis, Colonic Inflammation, and Proteome Alterations.

Small (Weinheim an der Bergstrasse, Germany) , Volume: 16 Issue: 36 2020 Sep

Authors Cao X,Han Y,Gu M,Du H,Song M,Zhu X,Ma G,Pan C,Wang W,Zhao E,Goulette T,Yuan B,Zhang G,Xiao H

Growth Inhibitory Effects of Antimicrobial Natural Products against Cariogenic and Health-Associated Oral Bacterial Species.

Oral health & preventive dentistry , Volume: 18 Issue: 3 2020 Jul 4

Authors Philip N,Leishman S,Bandara H,Walsh L

Thymus vulgaris L. Essential Oil Solid Formulation: Chemical Profile and Spasmodic and Antimicrobial Effects.

Biomolecules , Volume: 10 Issue: 6 2020 Jun 4

Authors Micucci M,Protti M,Aldini R,Frosini M,Corazza I,Marzetti C,Mattioli LB,Tocci G,Chiarini A,Mercolini L,Budriesi R

Streptococcus pneumoniae promotes its own survival via choline-binding protein CbpC-mediated degradation of ATG14.

Autophagy , Volume: 16 Issue: 8 2020 Aug

Authors Shizukuishi S,Ogawa M,Ryo A,Ohnishi M

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,Tabatabaee Yazdi F

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

Effects of Tributyrin Supplementation on Growth Performance, Insulin, Blood Metabolites and Gut Microbiota in Weaned Piglets.

Animals : an open access journal from MDPI , Volume: 10 Issue: 4 2020 Apr 22

Authors Sotira S,Dell'Anno M,Caprarulo V,Hejna M,Pirrone F,Callegari ML,Tucci TV,Rossi L

Dynamic changes in gut microbiota under the influence of smoking and TNF- α -blocker in patients with ankylosing spondylitis.

Clinical rheumatology , Volume: 39 Issue: 9 2020 Sep

Authors Zhang F,Ma C,Zhang B,Bi L

Antibacterial activity of phellodendron bark against Streptococcus mutans.

Microbiology and immunology , Volume: 64 Issue: 6 2020 Jun

Authors Tsujii T,Kawada-Matsuo M,Migita H,Ohta K,Oogai Y,Yamasaki Y,Komatsuzawa H

Synergistic antibacterial, antifungal and antioxidant efficacy of cinnamon and clove essential oils in combination.

Archives of microbiology , Volume: 202 Issue: 6 2020 Aug

Authors Purkait S,Bhattacharya A,Bag A,Chattopadhyay RR

Assessment of Antimicrobial Effectiveness of Neem and Clove Extract Against Streptococcus mutans and Candida albicans: An In vitro Study.

Nigerian medical journal : journal of the Nigeria Medical Association , Volume: 60 Issue: 6 2019 Nov-Dec

Authors Bansal V,Gupta M,Bhaduri T,Shaikh SA,Sayed FR,Bansal V,Agrawal A

Antioxidant properties and antimicrobial activity of manuka honey versus Polish honeys.

Journal of food science and technology , Volume: 57 Issue: 4 2020 Apr

Authors Goslinski M,Nowak D,Klebukowska L

Prebiotic activity of garlic (*Allium sativum*) extract on *Lactobacillus acidophilus*.

Veterinary world , Volume: 12 Issue: 12 2019 Dec

Authors Sunu P,Sunarti D,Mahfudz LD,Yunianto VD

In vitro antibacterial activity of medicinal plants against biofilm-forming methicillin-resistant Staphylococcus aureus: efficacy of Moringa stenopetala and Rosmarinus officinalis extracts.

Heliyon , Volume: 6 Issue: 1 2020 Jan

Authors Manilal A,Sabu KR,Shewangizaw M,Aklilu A,Seid M,Merdikios B,Tsegaye B

Glyphosate exposure induces inflammatory responses in the small intestine and alters gut microbial composition in rats.

Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun

Authors Tang Q,Tang J,Ren X,Li C

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.

Gut microbes , 2020 Jan 13

Authors Boling L,Cuevas DA,Grasis JA,Kang HS,Knowles B,Levi K,Maughan H,McNair K,Rojas MI,Sanchez SE,Smurthwaite C,Rohwer F

[Oxidized Pork Induces Oxidative Stress and Inflammation by Altering Gut Microbiota in Mice.](#)

Molecular nutrition & food research , Volume: 64 Issue: 2 2020 Jan

Authors Ge Y,Lin S,Li B,Yang Y,Tang X,Shi Y,Sun J,Le G

[Lactose drives *Enterococcus* expansion to promote graft-versus-host disease.](#)

Science (New York, N.Y.) , Volume: 366 Issue: 6469 2019 Nov 29

Authors Stein-Thoeringer CK,Nichols KB,Lazrak A,Docampo MD,Slingerland AE,Slingerland JB,Clurman AG,Armijo G,Gomes ALC,Shono Y,Staffas A,Burgos da Silva M,Devlin SM,Markey KA,Bajic D,Pinedo R,Tsakmaklis A,Littmann ER,Pastore A,Taur Y,Monette S,Arcila ME,Pickard AJ,Maloy M,Wright RJ,Amoretti LA,Fontana E,Pham D,Jamal MA,Weber D,Sung AD,Hashimoto D,Scheid C,Xavier JB,Messina JA,Romero K,Lew M,Bush A,Bohannon L,Hayasaka K,Hasegawa Y,Vehreschild MJGT,Cross JR,Ponce DM,Perales MA,Giralt SA,Jenq RR,Teshima T,Holler E,Chao NJ,Pamer EG,Peled JU,van den Brink MIRM

[Intestinal microbiome analysis demonstrates azithromycin post-treatment effects improve when combined with lactulose.](#)

World journal of pediatrics : WJP , Volume: 16 Issue: 2 2020 Apr

Authors Nikolaou E,Kamilaris E,Savkov D,Sergeev A,Zakharova I,Vogazianos P,Tomazou M,Antoniades A,Shammas C

[Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.](#)

NPJ biofilms and microbiomes , Volume: 5 2019

Authors La Carpio F,Wojczyk BS,Annavaiah MK,Rebbaa A,Culp-Hill R,D'Alessandro A,Freedberg DE,Uhlemann AC,Hod EA

[Propolis modulates the gut microbiota and improves the intestinal mucosal barrier function in diabetic rats.](#)

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 118 2019 Oct

Authors Xue M,Liu Y,Xu H,Zhou Z,Ma Y,Sun T,Liu M,Zhang H,Liang H

[Regulatory Function of Buckwheat-Resistant Starch Supplementation on Lipid Profile and Gut Microbiota in Mice Fed with a High-Fat Diet.](#)

Journal of food science , Volume: 84 Issue: 9 2019 Sep

Authors Zhou Y,Zhao S,Jiang Y,Wei Y,Zhou X

[Effect of Long-Term Intake of Dietary Titanium Dioxide Nanoparticles on Intestine Inflammation in Mice.](#)

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

Authors Mu W,Wang Y,Huang C,Fu Y,Li J,Wang H,Jia X,Ba Q

[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

[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

[Alleviation of low-fiber diet-induced constipation by probiotic *Bifidobacterium bifidum* G9-1 is based on correction of gut microbiota dysbiosis.](#)

Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019

Authors Makizaki Y,Maeda A,Oikawa Y,Tamura S,Tanaka Y,Nakajima S,Yamamura H

[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

[Arabinoxylan from Argentinian whole wheat flour promote the growth of *Lactobacillus reuteri* and *Bifidobacterium breve*.](#)

Letters in applied microbiology , Volume: 68 Issue: 2 2019 Feb

Authors Paesani C,Salvucci E,Moiraghi M,Fernandez Canigia L,Pérez GT

[Antidepressant Effects of Rosemary Extracts Associate With Anti-inflammatory Effect and Rebalance of Gut Microbiota.](#)

Frontiers in pharmacology , Volume: 9 2018

Authors Guo Y,Xie J,Li X,Yuan Y,Zhang L,Hu W,Luo H,Yu H,Zhang R

[In vitro fermentation of raffinose by the human gut bacteria.](#)

Food & function , Volume: 9 Issue: 11 2018 Nov 14

Authors Mao B,Tang H,Gu J,Li D,Cui S,Zhao J,Zhang H,Chen W

[Biological Activities of Lactose-Derived Prebiotics and Symbiotic with Probiotics on Gastrointestinal System.](#)

Medicina (Kaunas, Lithuania) , Volume: 54 Issue: 2 2018 Apr 17

Authors Nath A,Haktanirlar G,Varga Á,Molnár MA,Albert K,Galambos I,Koris A,Vatai G

[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

Effects of in vitro gastrointestinal digestion and colonic fermentation on a rosemary (*Rosmarinus officinalis* L) extract rich in rosmarinic acid.

Food chemistry , Volume: 271 2019 Jan 15

Authors Gonçalves GA,Corrêa RCG,Barros L,Dias MI,Calhelha RC,Correa VG,Bracht A,Peralta RM,Ferreira ICFR

Antifungal efficacy of herbs.

Journal of oral biology and craniofacial research , Volume: 9 Issue: 1 2019 Jan-Mar

Authors Samadi FM,Suhail S,Sonam M,Sharma N,Singh S,Gupta S,Dobhal A,Pradhan H

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

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

High Fructose Intake During Pregnancy in Rats Influences the Maternal Microbiome and Gut Development in the Offspring.

Frontiers in genetics , Volume: 9 2018

Authors Astbury S,Song A,Zhou M,Nielsen B,Hoedl A,Willing BP,Symonds ME,Bell RC

Effects of garlic polysaccharide on alcoholic liver fibrosis and intestinal microflora in mice.

Pharmaceutical biology , Volume: 56 Issue: 1 2018 Dec

Authors Wang Y,Guan M,Zhao X,Li X

Composition and metabolism of fecal microbiota from normal and overweight children are differentially affected by melibiose, raffinose and raffinose-derived fructans.

Anaerobe , Volume: 52 2018 Aug

Authors Adamberg K,Adamberg S,Ernits K,Larionova A,Voor T,Jaagura M,Visnapuu T,Alamäe T

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

Antimicrobial Activity of Monoketone Curcuminoids Against Cariogenic Bacteria.

Chemistry & biodiversity , Volume: 15 Issue: 8 2018 Aug

Authors Vieira TM,Dos Santos IA,Silva TS,Martins CHG,Crotti AEM

The Ramazzini Institute 13-week pilot study on glyphosate and Roundup administered at human-equivalent dose to Sprague Dawley rats: effects on the microbiome.

Environmental health : a global access science source , Volume: 17 Issue: 1 2018 May 29

Authors Mao Q,Manservigi F,Panzacchi S,Mandrioli D,Menghetti I,Vornoli A,Bua L,Falcioni L,Lesseur C,Chen J,Belpoggi F,Hu J

Characterization and prebiotic activity in vitro of inulin-type fructan from *Codonopsis pilosula* roots.

Carbohydrate polymers , Volume: 193 2018 Aug 1

Authors Fu YP,Li LX,Zhang BZ,Paulsen BS,Yin ZQ,Huang C,Feng B,Chen XF,Jia RR,Song X,Ni XQ,Jing B,Wu FM,Zou YF

The bacterium *Pseudomonas aeruginosa* senses and gradually responds to interspecific competition for iron.

Evolution; international journal of organic evolution , 2018 Apr 17

Authors Leinweber A,Weigert M,Kümmerli R

Glyphosate based- herbicide exposure affects gut microbiota, anxiety and depression-like behaviors in mice.

Neurotoxicology and teratology , Volume: 67 2018 May - Jun

Authors Aitbali Y,Ba-M`hamed S,Elhida N,Nafis A,Soraa N,Bennis M

Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.

Journal of applied microbiology , Volume: 125 Issue: 1 2018 Jul

Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K

Molecular Modelling reveals the inhibition mechanism and structure-activity relationship of curcumin and its analogues to *Staphylococcus aureus* Sortase A.

Journal of biomolecular structure & dynamics , Volume: 37 Issue: 5 2019 Mar

Authors Niu X,Gao Y,Yu Y,Yang Y,Wang G,Sun L,Wang H

Tartary buckwheat protein prevented dyslipidemia in high-fat diet-fed mice associated with gut microbiota changes.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , 2018 Feb 23

Authors Zhou XL,Yan BB,Xiao Y,Zhou YM,Liu TY

[Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.](#)

Food & function , Volume: 9 Issue: 3 2018 Mar 1

Authors Zartl B,Silberbauer K,Loeppert R,Viernstein H,Praznik W,Mueller M

[Phytochemical screening and biological activity of Lamiaceae family plant extracts.](#)

Experimental and therapeutic medicine , Volume: 15 Issue: 2 2018 Feb

Authors Cocan I,Alexa E,Danciu C,Radulov I,Galuscan A,Obistoiu D,Morvay AA,Sumalan RM,Poiana MA,Pop G,Dehelean CA

[Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.](#)

Canadian journal of microbiology , 2018 Feb 5

Authors Wang Y,Guo Y,Chen H,Wei H,Wan C

[\[Assessment of the impact of vitamin and dietary fiber content in the diet on the characteristics of protective colon microbiota populations of rats\].](#)

Voprosy pitaniia , Volume: 84 Issue: 6 2015

Authors Markova YM,Sheveleva SA

[Transferrin and Lactoferrin - Human Iron Sources for Enterococci.](#)

Polish journal of microbiology , Volume: 66 Issue: 4 2017 Dec 4

Authors Lisiecki P

[Investigation of probiotics in multiple sclerosis.](#)

Multiple sclerosis (Houndmills, Basingstoke, England) , Volume: 24 Issue: 1 2018 Jan

Authors Tankou SK,Regev K,Healy BC,Cox LM,Tjon E,Kivisakk P,Vanande IP,Cook S,Gandhi R,Glanz B,Stankiewicz J,Weiner HL

[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

[Cymbopogon citratus essential oil: effect on polymicrobial caries-related biofilm with low cytotoxicity.](#)

Brazilian oral research , Volume: 31 2017 Nov 6

Authors Oliveira MAC,Borges AC,Brighenti FL,Salvador MJ,Gontijo AVL,Koga-Ito CY

[An <i>in vitro</i> Comparative Evaluation of Efficacy of Disinfecting Ability of Garlic Oil, Neem Oil, Clove Oil, and Tulsi Oil with autoclaving on Endodontic K Files tested against <i>Enterococcus faecalis</i>.](#)

International journal of clinical pediatric dentistry , Volume: 10 Issue: 3 2017 Jul-Sep

Authors Hugar S,M Patel P,Nagmoti J,Uppin C,Mistry L,Dhariwal N

[Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.](#)

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

[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

[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

[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

[Antimicrobial Activity of Honey with Special Reference to Methicillin Resistant Staphylococcus aureus \(MRSA\) and Methicillin Sensitive Staphylococcus aureus \(MSSA\).](#)

Journal of clinical and diagnostic research : JCDR , Volume: 11 Issue: 8 2017 Aug

Authors Rani GN,Budumuru R,Bandaru NR

[Dietary soy, meat, and fish proteins modulate the effects of prebiotic raffinose on composition and fermentation of gut microbiota in rats.](#)

International journal of food sciences and nutrition , Volume: 69 Issue: 4 2018 Jun

Authors Bai G,Tsuruta T,Nishino N

[Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.](#)

Journal of food and drug analysis , Volume: 25 Issue: 2 2017 Apr

Authors Semeniac CA,Pop CR,Rotar AM

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

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

Variation on Composition and Bioactivity of Essential Oils of Four Common Curcuma Herbs.

Chemistry & biodiversity , Volume: 14 Issue: 11 2017 Nov

Authors Zhang L,Yang Z,Chen D,Huang Z,Li Y,Lan X,Su P,Pan W,Zhou W,Zheng X,Du Z

Screening bioactivity and bioactive constituents of Nordic unifloral honeys.

Food chemistry , Volume: 237 2017 Dec 15

Authors Salonen A,Virjamo V,Tammela P,Fauch L,Julkunen-Tiitto R

Dose-Dependent Prebiotic Effect of Lactulose in a Computer-Controlled In Vitro Model of the Human Large Intestine.

Nutrients , Volume: 9 Issue: 7 2017 Jul 18

Authors Bothe MK,Maathuis AJH,Bellmann S,van der Vossen JMBM,Berressem D,Koehler A,Schwejda-Guettes S,Gaigg B,Kuchinka-Koch A,Stover JF

Association of Silver Nanoparticles and Curcumin Solid Dispersion: Antimicrobial and Antioxidant Properties.

AAPS PharmSciTech , Volume: 19 Issue: 1 2018 Jan

Authors Alves TF,Chaud MV,Grotto D,Jozala AF,Pandit R,Rai M,Dos Santos CA

Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.

Journal of food science , Volume: 82 Issue: 8 2017 Aug

Authors Lu QY,Summanen PH,Lee RP,Huang J,Henning SM,Heber D,Finegold SM,Li Z

Monitoring *in vitro* antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.

Integrative medicine research , Volume: 3 Issue: 3 2014 Sep

Authors Rath S,Padhy RN

Next generation sequencing of oral microbiota in Type 2 diabetes mellitus prior to and after neem stick usage and correlation with serum monocyte chemoattractant-1.

Diabetes research and clinical practice , Volume: 130 2017 Aug

Authors Anbalagan R,Srikanth P,Mani M,Barani R,Seshadri KG,Janarthanan R

Evaluation of antimicrobial activity of Curcuma longa rhizome extract against Staphylococcus aureus.

Biotechnology reports (Amsterdam, Netherlands) , Volume: 6 2015 Jun

Authors Gupta A,Mahajan S,Sharma R

The impact of fruit and soybean by-products and amaranth on the growth of probiotic and starter microorganisms.

Food research international (Ottawa, Ont.) , Volume: 97 2017 Jul

Authors Vieira ADS,Bedani R,Albuquerque MAC,Biscola V,Saad SMI

Fish oil, lard and soybean oil differentially shape gut microbiota of middle-aged rats.

Scientific reports , Volume: 7 Issue: 1 2017 Apr 11

Authors Li H,Zhu Y,Zhao F,Song S,Li Y,Xu X,Zhou G,Li C

Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.

Frontiers in microbiology , Volume: 8 2017

Authors Li J,Hou Q,Zhang J,Xu H,Sun Z,Menghe B,Zhang H

Good Bugs vs Bad Bugs: Evaluation of Inhibitory Effect of Selected Probiotics against Enterococcus faecalis.

The journal of contemporary dental practice , Volume: 18 Issue: 4 2017 Apr 1

Authors Bohora AA,Kokate SR

Evaluation of Phenolic Compounds and Antioxidant and Antimicrobial Activities of Some Common Herbs.

International journal of analytical chemistry , Volume: 2017 2017

Authors Abdul Qadir M,Shahzadi SK,Bashir A,Munir A,Shahzad S

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

Effect of Addition of Curcumin Nanoparticles on Antimicrobial Property and Shear Bond Strength of Orthodontic Composite to Bovine Enamel.

Journal of dentistry (Tehran, Iran) , Volume: 13 Issue: 5 2016 Sep

Authors Sodagar A,Bahador A,Pourhajibagher M,Ahmadi B,Baghaeian P

Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier

World Journal of Gastroenterology , Volume: 23 Issue: 1 2017 Jan 7

Authors Zhou D,Pan Q,Xin FZ,Zhang RN,He CX,Chen GY,Liu C,Chen YW,Fan JG

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

Early-Life Sugar Consumption Affects the Rat Microbiome Independently of Obesity.

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

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

Assessment of the prebiotic effect of quinoa and amaranth in the human intestinal ecosystem.

Food & function , Volume: 7 Issue: 9 2016 Sep 14

Authors Gullón B,Gullón P,Tavaria FK,Yáñez R

The effect of volatile oil mixtures on the performance and ilio-caecal microflora of broiler chickens.

British poultry science , Volume: 57 Issue: 6 2016 Dec

Authors Cetin E,Yibar A,Yesilbag D,Cetin I,Cengiz SS

Dietary Casein and Soy Protein Isolate Modulate the Effects of Raffinose and Fructooligosaccharides on the Composition and Fermentation of Gut Microbiota in Rats.

Journal of food science , Volume: 81 Issue: 8 2016 Aug

Authors Bai G,Ni K,Tsuruta T,Nishino N

In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.

Journal of intercultural ethnopharmacology , Volume: 5 Issue: 3 2016 Jun-Aug

Authors Sakkas H,Gousia P,Economou V,Sakkas V,Petsios S,Papadopoulou C

Curcumin protects mice from Staphylococcus aureus pneumonia by interfering with the self-assembly process of a-hemolysin.

Scientific reports , Volume: 6 2016 Jun 27

Authors Wang J,Zhou X,Li W,Deng X,Deng Y,Niu X

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

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

Exposure to TiO2 nanoparticles increases Staphylococcus aureus infection of HeLa cells.

Journal of nanobiotechnology , Volume: 14 2016 Apr 22

Authors Xu Y,Wei MT,Ou-Yang HD,Walker SG,Wang HZ,Gordon CR,Guterman S,Zawacki E,Applebaum E,Brink PR,Rafailovich M,Mironava T

Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat`s tissue homogenate.

Pakistan journal of pharmaceutical sciences , Volume: 29 Issue: 2 2016 Mar

Authors Hassan W,Gul S,Rehman S,Kanwal F,Afridi MS,Fazal H,Shah Z,Rahman A,da Rocha JB

In vitro bactericidal activity of promising nutraceuticals for targeting multidrug resistant Pseudomonas aeruginosa.

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

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

Potential of neem (Azadirachta indica L.) for prevention and treatment of oncologic diseases.

Seminars in cancer biology , Volume: 40-41 2016 Oct

Authors Patel SM,Nagulapalli Venkata KC,Bhattacharyya P,Sethi G,Bishayee A

Rapid, Bioassay-Guided Process for the Detection and Identification of Antibacterial Neem Oil Compounds.

Journal of chromatographic science , Volume: 54 Issue: 7 2016 Aug

Authors Krüzselyi D,Nagy R,Ott PG,Móricz ÁM

Antimicrobial activity of herbal medicines (tulsi extract, neem extract) and chlorhexidine against Enterococcus faecalis in Endodontics: An in vitro study.

Journal of International Society of Preventive & Community Dentistry , Volume: 5 Issue: Suppl 2 2015 Dec

Authors Chandrappa PM,Dupper A,Tripathi P,Arrojo R,Sharma P,Sulochana K

Effect of Wheat Dietary Fiber Particle Size during Digestion In Vitro on Bile Acid, Faecal Bacteria and Short-Chain Fatty Acid

Content.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 71 Issue: 2 2016 Jun

Authors *Dziedzic K, Szwengiel A, Górecka D, Gujska E, Kaczowska J, Drozdzyńska A, Walkowiak 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*

In Vitro Antimicrobial Activity of Spices and Medicinal Herbs against Selected Microbes Associated with Juices.

International journal of microbiology , Volume: 2016 2016

Authors *Dhiman R, Aggarwal N, Aneja KR, Kaur M*

All natural cellulose acetate-Lemongrass essential oil antimicrobial nanocapsules.

International journal of pharmaceutics , Volume: 510 Issue: 2 2016 Aug 30

Authors *Liakos IL, D'autillia F, Garzoni A, Bonferoni C, Scarpellini A, Brunetti V, Carzino R, Bianchini P, Pompa PP, Athanassiou A*

Evaluation of probiotic properties of Lactobacillus plantarum WLP04 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*

Growth of Ag-nanoparticles in an aqueous solution and their antimicrobial activities against Gram positive, Gram negative bacterial strains and Candida fungus.

Bioprocess and biosystems engineering , Volume: 39 Issue: 4 2016 Apr

Authors *Aazam ES, Zaheer Z*

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*

Probiotic Characteristics of Lactobacillus plantarum FH185 Isolated from Human Feces.

Korean journal for food science of animal resources , Volume: 35 Issue: 5 2015

Authors *Park SY, Lim SD*

In vitro antibacterial, antioxidant activity and total phenolic content of some essential oils.

Journal of environmental biology , Volume: 36 Issue: 6 2015 Nov

Authors *Srivastava U, Ojha S, Tripathi NN, Singh P*

An in vitro evaluation of antimicrobial activity of five herbal extracts and comparison of their activity with 2.5% sodium hypochlorite against Enterococcus faecalis.

Indian journal of dental research : official publication of Indian Society for Dental Research , Volume: 26 Issue: 5 2015 Sep-Oct

Authors *Saxena D, Saha SG, Saha MK, Dubey S, Khatri M*

Antimicrobial activity of different tea varieties available in Pakistan.

Pakistan journal of pharmaceutical sciences , Volume: 28 Issue: 6 2015 Nov

Authors *Zakir M, Sultan KB, Khan H, Ihsaanullah, Khan MA, Fazal H, Rauf A*

Inhibition of Staphylococcus aureus cocktail using the synergies of oregano and rosemary essential oils or carvacrol and 1,8-cineole.

Frontiers in microbiology , Volume: 6 2015

Authors *Honório VG, Bezerra J, Souza GT, Carvalho RJ, Gomes-Neto NJ, Figueiredo RC, Melo JV, Souza EL, Magnani M*

Role of colonic microbiota in colorectal carcinogenesis: a systematic review.

Revista espanola de enfermedades digestivas , Volume: 107 Issue: 11 2015 Nov

Authors *Borges-Canha M, Portela-Cidade JP, Dinis-Ribeiro M, Leite-Moreira AF, Pimentel-Nunes P*

Bacteriocin-producing strains of Lactobacillus plantarum inhibit adhesion of Staphylococcus aureus to extracellular matrix: quantitative insight and implications in antibacterial therapy.

Journal of medical microbiology , Volume: 64 Issue: 12 2015 Dec

Authors *Mukherjee S, Ramesh A*

Health-promoting value and food applications of black cumin essential oil: an overview.

Journal of food science and technology , Volume: 52 Issue: 10 2015 Oct

Authors *Hassanien MF, Assiri AM, Alzohairy AM, Oraby HF*

Influence of diet and spiramycin on *Actinomyces viscosus*-associated experimental periodontitis.

Newsletter (International Academy of Periodontology) , Volume: 2 Issue: 1 1992 Mar

Authors *Keyes PH, Rams TE, Jordan HV*

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

In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.

Journal of dairy science , Volume: 98 Issue: 9 2015 Sep

Authors Huang R, Tao X, Wan C, Li S, Xu H, Xu F, Shah NP, Wei H

Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.

Recent patents on food, nutrition & agriculture , Volume: 7 Issue: 1 2015

Authors Ozogul Y, Kuley E, Ucar Y, Ozogul F

Immunomodulation and anti-inflammatory effects of garlic compounds.

Journal of immunology research , Volume: 2015 2015

Authors Arreola R, Quintero-Fabián S, López-Roa RI, Flores-Gutiérrez EO, Reyes-Grajeda JP, Carrera-Quintanar L, Ortuño-Sahagún D

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

Antifungal and antibacterial metabolites from a French poplar type propolis.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2015 2015

Authors Boisard S, Le Ray AM, Landreau A, Kempf M, Cassisa V, Flurin C, Richomme P

Comparative Evaluation of Antibacterial Efficacy of Six Indian Plant Extracts against Streptococcus Mutans.

Journal of clinical and diagnostic research : JCDR , Volume: 9 Issue: 2 2015 Feb

Authors Jain I, Jain P, Bisht D, Sharma A, Srivastava B, Gupta N

Administration of a multistrain probiotic product (VSL#3) to women in the perinatal period differentially affects breast milk beneficial microbiota in relation to mode of delivery.

Pharmacological research , Volume: 95-96 2015 May-Jun

Authors Mastromarino P, Capobianco D, Miccheli A, Praticò G, Campagna G, Laforgia N, Capursi T, Baldassarre ME

Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.

International journal of food microbiology , Volume: 202 2015 Jun 2

Authors Akdemir Evrendilek G

Effect of specific amino acids on hepatic lipid metabolism in fructose-induced non-alcoholic fatty liver disease.

Clinical nutrition (Edinburgh, Scotland) , Volume: 35 Issue: 1 2016 Feb

Authors Jegatheesan P, Beutheu S, Ventura G, Sarfati G, Nubret E, Kapel N, Waligora-Dupriet AJ, Bergheim I, Cynober L, De-Bandt JP

Anti-inflammatory effect of garlic 14-kDa protein on LPS-stimulated-J774A.1 macrophages.

Immunopharmacology and immunotoxicology , Volume: 37 Issue: 2 2015 Apr

Authors Rabe SZ, Ghazanfari T, Siadat Z, Rastin M, Rabe SZ, Mahmoudi M

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP, Chennappa G, Suraj U, Nagaraja H, Raj AP, Sreenivasa MY

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.

Beneficial microbes , Volume: 6 Issue: 4 2015

Authors Kwok LY, Guo Z, Zhang J, Wang L, Qiao J, Hou Q, Zheng Y, Zhang H

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, Rivelles AA, Giacco R, Ercolini D, Gibbons SM, La Stora A, Gilbert JA, Jonnalagadda S, Thielecke F, Gallo MA, Scalfi L, Fogliano V

Efficacy of contemporary and novel Intracanal medicaments against enterococcus faecalis.

The Journal of clinical pediatric dentistry , Volume: 39 Issue: 1 2014 Fall

Authors Marickar RF, Geetha RV, Neelakantan P

Antimicrobial and antioxidant activities and chemical characterization of essential oils of Thymus vulgaris, Rosmarinus officinalis, and Origanum majorana from northeastern México.

Pakistan journal of pharmaceutical sciences , Volume: 28 Issue: 1 Suppl 2015 Jan

Authors Guerra-Boone L, Alvarez-Román R, Alvarez-Román R, Salazar-Aranda R, Torres-Cirio A, Rivas-Galindo VM, de-Torres NW, González G, Pérez-López LA

Orally disintegrating films containing propolis: properties and release profile.

Journal of pharmaceutical sciences , Volume: 104 Issue: 4 2015 Apr

Authors Borges JG, De Carvalho RA

Inhibitory effects of different lactobacilli on Candida albicans hyphal formation and biofilm development.

Journal of biological regulators and homeostatic agents , Volume: 28 Issue: 4 2014 Oct-Dec

Authors Orsi CF, Sabia C, Ardizzoni A, Colombi B, Neglia RG, Peppoloni S, Morace G, Blasi E

Bioanalytical evaluation of Cinnamomum zeylanicum essential oil.**Natural product research** , Volume: 29 Issue: 19 2015

Authors Saleem M,Bhatti HN,Jilani MI,Hanif MA

Change of Fecal Flora and Effectiveness of the Short-term VSL#3 Probiotic Treatment in Patients With Functional Constipation.**Journal of neurogastroenterology and motility** , Volume: 21 Issue: 1 2015 Jan 1

Authors Kim SE,Choi SC,Park KS,Park MI,Shin JE, Lee TH,Jung KW,Koo HS,Myung SJ,Constipation Research group of Korean Society of Neurogastroenterology and Motility

In-vitro screening of Malaysian honey from different floral sources for antibacterial activity on human pathogenic bacteria.**African journal of traditional, complementary, and alternative medicines : AJTCAM** , Volume: 11 Issue: 2 2014

Authors Ng WJ,Ken KW,Kumar RV,Gunasagaran H,Chandramogan V, Lee YY

Arabinoxylan in wheat is more responsible than cellulose for promoting intestinal barrier function in weaned male piglets.**The Journal of nutrition** , Volume: 145 Issue: 1 2015 Jan

Authors Chen H,Wang W,Degroote J,Possemiers S,Chen D,De Smet S,Michiels J

[The antibacterial activity of cinnamon oil on the selected gram-positive and gram-negative bacteria].**Medycyna doswiadczalna i mikrobiologia** , Volume: 66 Issue: 2 2014

Authors Urbaniak A,Glowacka A,Kowalczyk E,Lysakowska M,Sienkiewicz M

In vitro fermentation of lactulose by human gut bacteria.**Journal of agricultural and food chemistry** , Volume: 62 Issue: 45 2014 Nov 12

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

Natural control of bacteria affecting meat quality by a neem (Azadirachta indica A. Juss) cake extract.**Natural product research** , Volume: 29 Issue: 10 2015

Authors Del Serrone P,Failla S,Nicoletti M

Total Phenolic Content and Antibacterial Activity of Five Plants of Labiatae against Four Foodborne and Some Other Bacteria.**Iranian journal of pharmaceutical research : IJPR** , Volume: 13 Issue: 2 2014 Spring

Authors Mahboubi A,Kamalinejad M,Ayatollahi AM,Babaeian M

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

Lemongrass-Incorporated Tissue Conditioner Against Candida albicans Culture.**Journal of clinical and diagnostic research : JCDR** , Volume: 8 Issue: 7 2014 Jul

Authors Amornvit P,Choonharuangdej S,Srithavaj T

Screening of antibacterial effects of anise essential oil alone and in combination with conventional antibiotics against Streptococcus pneumoniae clinical isolates.**Revista medico-chirurgicala a Societatii de Medici si Naturalisti din Iasi** , Volume: 118 Issue: 2 2014 Apr-Jun

Authors Gradinaru AC,Miron A,Trifan A,Spac A,Brebu M,Aprotosoaie AC

Evaluation of the effects of manuka honey on salivary levels of mutans streptococci in children: a pilot study.**Journal of the Indian Society of Pedodontics and Preventive Dentistry** , Volume: 32 Issue: 3 2014 Jul-Sep

Authors Rupesh S,Winnier JJ,Nayak UA,Rao AP,Reddy NV,Peter J

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

The antimicrobial activity of Azadirachta indica, Mimosa elengi, Tinospora cardifolia, Ocimum sanctum and 2% chlorhexidine gluconate on common endodontic pathogens: An in vitro study.**European journal of dentistry** , Volume: 8 Issue: 2 2014 Apr

Authors Mistry KS,Sanghvi Z,Parmar G,Shah S

Effects of natural honey on polymicrobial culture of various human pathogens.**Archives of medical science : AMS** , Volume: 10 Issue: 2 2014 May 12

Authors Al-Waili NS,Al-Waili FS,Akmal M,Ali A,Salom KY,Al Ghamdi AA

Effect of methylglyoxal on multidrug-resistant Pseudomonas aeruginosa.**Frontiers in microbiology** , Volume: 5 2014

Authors Hayashi K,Fukushima A,Hayashi-Nishino M,Nishino K

Synergetic antimicrobial effects of mixtures of ethiopian honeys and ginger powder extracts on standard and resistant clinical bacteria isolates.**Evidence-based complementary and alternative medicine : eCAM** , Volume: 2014 2014

Authors Ewnetu Y,Lemma W,Birhane N

A rosemary extract rich in camosic acid selectively modulates caecum microbiota and inhibits β -glucosidase activity, altering fiber and short chain fatty acids fecal excretion in lean and obese female rats.

PloS one , Volume: 9 Issue: 4 2014

Authors Romo-Vaquero M,Selma MV,Larrosa M,Obiol M,García-Villalba R,González-Barrio R,Issaly N,Flanagan J,Roller M,Tomás-Barberán FA,García-Conesa MT

Anti-staphylococcal activity of C-methyl flavanones from propolis of Australian stingless bees (*Tetragonula carbonaria*) and fruit resins of *Corymbia torelliana* (Myrtaceae).

Fitoterapia , Volume: 95 2014 Jun

Authors Massaro CF,Katouli M,Grkovic T,Vu H,Quinn RJ,Heard TA,Carvalho C,Manley-Harris M,Wallace HM,Brooks P

Effects of *Lactobacillus plantarum* on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.

Canadian journal of microbiology , Volume: 60 Issue: 4 2014 Apr

Authors Shen X,Yi D,Ni X,Zeng D,Jing B,Lei M,Bian Z,Zeng Y,Li T,Xin J

A comparison of the anti-*Staphylococcus aureus* activity of extracts from commonly used medicinal plants.

Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 20 Issue: 5 2014 May

Authors Snowden R,Harrington H,Morrill K,Jeane L,Garrity J,Orian M,Lopez E,Rezaie S,Hassberger K,Familoni D,Moore J,Virdee K,Albornoz-Sanchez L,Walker M,Cavins J,Russell T,Guse E,Reker M,Tschudy O,Wolf J,True T,Ukaegbu O,Ahaghotu E,Jones A,Polanco S,Rochon Y,Waters R,Langland J

A quantitative assessment of the antimicrobial activity of garlic (*Allium sativum*).

World journal of microbiology & biotechnology , Volume: 9 Issue: 3 1993 May

Authors Rees LP,Minney SF,Plummer NT,Slater JH,Skyrme DA

Dietary supplementation with lactose or artificial sweetener enhances swine gut *Lactobacillus* population abundance.

The British journal of nutrition , Volume: 111 Suppl 1 2014 Jun

Authors Daly K,Darby AC,Hall N,Nau A,Bravo D,Shirazi-Beechey SP

Antibacterial, antifungal and antioxidant activities of honey collected from Timergara (Dir, Pakistan).

Pakistan journal of pharmaceutical sciences , Volume: 27 Issue: 1 2014 Jan

Authors Zahoor M,Naz S,Sangeen M

Role of probiotics in the prevention and treatment of meticillin-resistant *Staphylococcus aureus* infections.

International journal of antimicrobial agents , Volume: 42 Issue: 6 2013 Dec

Authors Sikorska H,Smoragiewicz W

Antioxidant, antibacterial and ACE-inhibitory activity of four monofloral honeys in relation to their chemical composition.

Food & function , Volume: 4 Issue: 11 2013 Nov

Authors León-Ruiz V,González-Porto AV,Al-Habsi N,Vera S,San Andrés MP,Jauregi P

Probiotic features of two oral *Lactobacillus* isolates.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1 2012 Jan

Authors Zavisic G,Petricevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I

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

Influence of propolis on hygiene, gingival condition, and oral microflora in patients with cleft lip and palate treated with fixed orthodontic appliances.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2013 2013

Authors Machorowska-Pieniazek A,Morawiec T,Mertas A,Tanasiewicz M,Dziedzic A,Król W

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

In vitro evaluation of Portuguese propolis and floral sources for antiprotozoal, antibacterial and antifungal activity.

Phytotherapy research : PTR , Volume: 28 Issue: 3 2014 Mar

Authors Falcão SI,Vale N,Cos P,Gomes P,Freire C,Maes L,Vilas-Boas M

An in vitro evaluation of the antimicrobial efficacy of *Curcuma longa*, *Tachyspermum ammi*, chlorhexidine gluconate, and calcium hydroxide on *Enterococcus faecalis*.

Journal of conservative dentistry : JCD , Volume: 16 Issue: 2 2013 Mar

Authors Kumar H

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

Comparative evaluation of the antimicrobial efficacy of four chewing sticks commonly used in South India: an in vitro study.

Indian journal of dental research : official publication of Indian Society for Dental Research , Volume: 23 Issue: 6 2012 Nov-Dec

Authors Elangovan A,Muranga J,Joseph E

Effectiveness of curcumin against Enterococcus faecalis biofilm.

Acta odontologica Scandinavica , Volume: 71 Issue: 6 2013 Nov

Authors Neelakantan P,Subbarao C,Sharma S,Subbarao CV,Garcia-Godoy F,Gutmann JL

Antibacterial and antimycotic activities of Slovenian honeys.

British journal of biomedical science , Volume: 69 Issue: 4 2012

Authors Kuncic MK,Jaklic D,Lapanje A,Gunde-Gimernan 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

The ongoing battle against multi-resistant strains: in-vitro inhibition of hospital-acquired MRSA, VRE, Pseudomonas, ESBL E. coli and Klebsiella species in the presence of plant-derived antiseptic oils.

Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery , Volume: 41 Issue: 4 2013 Jun

Authors Warnke PH,Lott AJ,Sherry E,Wiltfang J,Podschun R

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

Antibacterial activity of Greek and Cypriot honeys against Staphylococcus aureus and Pseudomonas aeruginosa in comparison to manuka honey.

Journal of medicinal food , Volume: 16 Issue: 1 2013 Jan

Authors Anthimidou E,Mossialos D

Antibacterial activity of various honey types of Algeria against Staphylococcus aureus and Streptococcus pyogenes.

Asian Pacific journal of tropical medicine , Volume: 5 Issue: 10 2012 Oct

Authors Moussa A,Nouredine D,Mohamed HS,Abdelmelek M,Saad A

Chemical composition, olfactory analysis and antibacterial activity of Thymus vulgaris chemotypes geraniol, 4-thujanol/terpinen-4-ol, thymol and linalool cultivated in southern France.

Natural product communications , Volume: 7 Issue: 8 2012 Aug

Authors Schmidt E,Wanner J,Hiiferl M,Jirovets L,Buchbauer G,Gochev V,Girova T,Stoyanova A,Geissler M

The inhibitory activity of tyfified propolis against Enterococcus species.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 67 Issue: 5-6 2012 May-Jun

Authors Moncla BJ,Guevara PW,Wallace JA,Marcucci MC,Nor JE,Bretz WA

Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.

FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan

Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C

Synthesis and evaluation of antimicrobial activity of 4H-pyrimido[2,1-b]benzothiazole, pyrazole and benzylidene derivatives of curcumin.

European journal of medicinal chemistry , Volume: 54 2012 Aug

Authors Sahu PK,Sahu PK,Gupta SK,Thavaselvam D,Agarwal DD

The in vitro antimicrobial activities of metabolites from lactobacillus strains on Candida species implicated in Candida vaginitis.

The Malaysian journal of medical sciences : MJMS , Volume: 18 Issue: 4 2011 Oct

Authors Ogunshe AA,Omotoso MA,Bello VB

Haridra (curcuma longa) and its effect on abhisayanda (conjunctivitis).

Ancient science of life , Volume: 8 Issue: 3-4 1989 Jan

Authors Srinivas C,Prabhakaran KV

Comparative antimicrobial activities of Emblica officinalis and Ocimum sanctum.

Ancient science of life , Volume: 27 Issue: 2 2007 Oct

Authors Vijayalakshmi S,Arunkumar V,Anju D,Gunasundari P,Moorthy P,Chandrasekharan AK

Antimicrobial Potency of the Leaf - Stalk Extract of Curcuma longa (LINN).

Ancient science of life , Volume: 20 Issue: 1-2 2000 Jul

Authors Mazumder R,Mendiratta T,Mondal SC,Mazumder A

Effect of lactose on gut microbiota and metabolome of infants with cow's milk allergy.

Pediatric allergy and immunology : official publication of the European Society of Pediatric Allergy and Immunology , Volume: 23 Issue: 5 2012 Aug

Authors Francavilla R, Calasso M, Calace L, Siragusa S, Ndagijimana M, Vernocchi P, Brunetti L, Mancino G, Tedeschi G, Guerzoni E, Indrio F, Laghi L, Miniello VL, Gobbetti M, De Angelis M

Detection of the antibacterial effect of Nigella sativa ground seeds with water.

African journal of traditional, complementary, and alternative medicines : AJTCAM , Volume: 8 Issue: 2 2011

Authors Bakathir HA, Abbas NA

Increasing antibiotic activity against a multidrug-resistant Acinetobacter spp by essential oils of Citrus limon and Cinnamomum zeylanicum.

Natural product research , Volume: 26 Issue: 23 2012

Authors Guerra FQ, Mendes JM, Sousa JP, Morais-Braga MF, Santos BH, Melo Coutinho HD, Lima Ede O

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

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

In-vitro antimicrobial activity and synergistic/ antagonistic effect of interactions between antibiotics and some spice essential oils.

Journal of environmental biology , Volume: 32 Issue: 1 2011 Jan

Authors Toroglu S

Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.

Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML, Rebolé A, Velasco S, Ortiz LT, Treviño J, Alzueta C

Investigations into the antiadhesive activity of herbal extracts against Campylobacter jejuni.

Phytotherapy research : PTR , Volume: 25 Issue: 8 2011 Aug

Authors Bensch K, Tiralongo J, Schmidt K, Matthias A, Bone KM, Lehmann R, Tiralongo E

The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote d'Ivoire.

The American journal of clinical nutrition , Volume: 92 Issue: 6 2010 Dec

Authors Zimmermann MB, Chassard C, Rohner F, Ngoran EK, Nindjin C, Dostal A, Utzinger J, Ghattas H, Lacroix C, Hurrell RF

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

Low levels of faecal lactobacilli in women with iron-deficiency anaemia in south India.

The British journal of nutrition , Volume: 104 Issue: 7 2010 Oct

Authors Balamurugan R, Mary RR, Chittaranjan S, Jancy H, Shobana Devi R, Ramakrishna BS

Antioxidant, antihypertensive, and antibacterial properties of endophytic Pestalotiopsis species from medicinal plants.

Canadian journal of microbiology , Volume: 54 Issue: 9 2008 Sep

Authors Tejesvi MV, Kini KR, Prakash HS, Subbiah V, Shetty HS

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

The antimicrobial efficacy of plant essential oil combinations and interactions with food ingredients.

International journal of food microbiology , Volume: 124 Issue: 1 2008 May 10

Authors Gutierrez J, Barry-Ryan C, Bourke P

Synergistic antibacterial activity between Thymus vulgaris and Pimpinella anisum essential oils and methanol extracts.

Journal of ethnopharmacology , Volume: 116 Issue: 3 2008 Mar 28

Authors Al-Bayati FA

Antibacterial activity of guava (Psidium guajava L.) and Neem (Azadirachta indica A. Juss.) extracts against foodborne pathogens and spoilage bacteria.

Foodborne pathogens and disease , Volume: 4 Issue: 4 2007 Winter

Authors Mahfuzul Hoque MD, Bari ML, Inatsu Y, Juneja VK, Kawamoto S

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

Antibacterial effect of five Zingiberaceae essential oils.**Molecules (Basel, Switzerland) , Volume: 12 Issue: 8 2007 Aug 23**

Authors Norajit K,Laohakunjit N,Kerdchoechuen O

Whole-grain wheat breakfast cereal has a prebiotic effect on the human gut microbiota: a double-blind, placebo-controlled, crossover study.**The British journal of nutrition , Volume: 99 Issue: 1 2008 Jan**

Authors Costabile A,Klinder A,Fava F,Napolitano A,Fogliano V,Leonard C,Gibson GR,Tuohy KM

Chemical composition and biological activity of a new type of Brazilian propolis: red propolis.**Journal of ethnopharmacology , Volume: 113 Issue: 2 2007 Sep 5**

Authors Alencar SM,Oldoni TL,Castro ML,Cabral IS,Costa-Neto CM,Cury JA,Rosalen PL,Ikegaki M

Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.**Journal of agricultural and food chemistry , Volume: 55 Issue: 11 2007 May 30**

Authors López P,Sánchez C,Batlle R,Nerín C

Susceptibility of *Prevotella intermedia*/*Prevotella nigrescens* (and *Porphyromonas gingivalis*) to propolis (bee glue) and other antimicrobial agents.**Anaerobe , Volume: 8 Issue: 1 2002 Feb**

Authors Santos FA,Bastos EM,Rodrigues PH,de Uzeda M,de Carvalho MA,Farias Lde M,Moreira ES

Preparation and antimicrobial activity of gelatin microparticles containing propolis against oral pathogens.**Drug development and industrial pharmacy , Volume: 32 Issue: 2 2006 Feb**

Authors Bruschi ML,Lara EH,Martins CH,Vinholis AH,Casemiro LA,Panzeri H,Gremião MP

Multifactorial aspects of antimicrobial activity of propolis.**Microbiological research , Volume: 161 Issue: 4 2006**

Authors Scazzocchio F,D'Auria FD,Alessandrini D,Pantarella F

The protective role of topical propolis on experimental keratitis via nitric oxide levels in rabbits.**Molecular and cellular biochemistry , Volume: 281 Issue: 1-2 2006 Jan**

Authors Duran N,Koc A,Oksuz H,Tamer C,Akaydin Y,Kozlu T,Celik M

Propolis: anti-Staphylococcus aureus activity and synergism with antimicrobial drugs.**Memorias do Instituto Oswaldo Cruz , Volume: 100 Issue: 5 2005 Aug**

Authors Fernandes Júnior A,Balestrin EC,Betoni JE,Orsi Rde O,da Cunha Mde L,Montelli AC

Effect of propolis in the treatment of experimental Staphylococcus aureus keratitis in rabbits.**Ophthalmic research , Volume: 37 Issue: 6 2005 Nov-Dec**

Authors Oksuz H,Duran N,Tamer C,Cetin M,Silici S

The influence of a novel propolis on mutans streptococci biofilms and caries development in rats.**Archives of oral biology , Volume: 51 Issue: 1 2006 Jan**

Authors Duarte S,Rosalen PL,Hayacibara MF,Cury JA,Bowen WH,Marquis RE,Rehder VL,Sartoratto A,Ikegaki M,Koo H

Antibacterial activity of propolis against Staphylococcus aureus.**International journal of food microbiology , Volume: 102 Issue: 2 2005 Jul 15**

Authors Lu LC,Chen YW,Chou CC

In vitro and in vivo effects of isolated fractions of Brazilian propolis on caries development.**Journal of ethnopharmacology , Volume: 101 Issue: 1-3 2005 Oct 3**

Authors Hayacibara MF,Koo H,Rosalen PL,Duarte S,Franco EM,Bowen WH,Ikegaki M,Cury JA

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

Mixture of honey, beeswax and olive oil inhibits growth of Staphylococcus aureus and Candida albicans.**Archives of medical research , Volume: 36 Issue: 1 2005 Jan-Feb**

Authors Al-Waili NS

[Antimicrobial properties of bee preparations in ointment form].**Mikrobiolohichnyi zhurnal (Kiev, Ukraine : 1993) , Volume: 66 Issue: 6 2004 Nov-Dec**

Authors Postoienko VO,Senchuhova NA,Postoienko OM,Patyka VP

Propolis extract as an adjuvant to periodontal treatment.**Oral health & preventive dentistry , Volume: 1 Issue: 1 2003**

Authors Gebaraa EC,Pustiglioni AN,de Lima LA,Mayer MP

Antibacterial and resistance modifying activity of Rosmarinus officinalis.**Phytochemistry** , Volume: 65 Issue: 24 2004 Dec

Authors Oluwatuyi M,Kaatz GW,Gibbons S

Growth inhibition of foodborne pathogens and food spoilage organisms by select raw honeys.**International journal of food microbiology** , Volume: 97 Issue: 1 2004 Dec 1

Authors Mundo MA,Padilla-Zakour OI,Worobo RW

Comparative evaluation of in-vitro effects of Brazilian green propolis and Baccharis dracunculifolia extracts on cariogenic factors of Streptococcus mutans.**Biological & pharmaceutical bulletin** , Volume: 27 Issue: 11 2004 Nov

Authors Leitão DP,Filho AA,Polizello AC,Bastos JK,Spadaro AC

In vitro antimicrobial activity of essential oils from aromatic plants against selected foodborne pathogens.**Journal of food protection** , Volume: 67 Issue: 6 2004 Jun

Authors Rota C,Carramiñana JJ,Burillo J,Herrera A

In vitro antimicrobial activity of propolis and synergism between propolis and antimicrobial drugs.**Microbiological research** , Volume: 158 Issue: 4 2003

Authors Stepanovic S,Antic N,Dakic I,Svabic-Vlahovic M

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

Antibacterial activity of honey and propolis from Apis mellifera and Tetragonisca angustula against Staphylococcus aureus.**Journal of applied microbiology** , Volume: 95 Issue: 5 2003

Authors Miorin PL,Levy Junior NC,Custodio AR,Bretz WA,Marcucci MC

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

Effect of a novel type of propolis and its chemical fractions on glucosyltransferases and on growth and adherence of mutans streptococci.**Biological & pharmaceutical bulletin** , Volume: 26 Issue: 4 2003 Apr

Authors Duarte S,Koo H,Bowen WH,Hayacibara MF,Cury JA,Ikegaki M,Rosalen PL

Antibacterial activity of extracts from some edible plants commonly consumed in Asia.**International journal of food microbiology** , Volume: 80 Issue: 3 2003 Feb 15

Authors Alzoreky NS,Nakahara K

Activity of Ocimum sanctum (the traditional Indian medicinal plant) against the enteric pathogens.**Indian journal of medical sciences** , Volume: 55 Issue: 8 2001 Aug

Authors Geeta,Vasudevan DM,Kedlaya R,Deepa S,Ballal M

Effects of compounds found in propolis on Streptococcus mutans growth and on glucosyltransferase activity.**Antimicrobial agents and chemotherapy** , Volume: 46 Issue: 5 2002 May

Authors Koo H,Rosalen PL,Cury JA,Park YK,Bowen WH

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

The effect of indigenous Neem Azadirachta indica [correction of (Adirachta indica)] mouth wash on Streptococcus mutans and lactobacilli growth.**Indian journal of dental research : official publication of Indian Society for Dental Research** , Volume: 12 Issue: 3 2001 Jul-Sep

Authors Vanka A,Tandon S,Rao SR,Udupa N,Ramkumar P

In-vitro antimicrobial activity of four diallyl sulphides occurring naturally in garlic and Chinese leek oils.**Journal of medical microbiology** , Volume: 50 Issue: 7 2001 Jul

Authors Tsao SM,Yin MC

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,Ferreres F,García-Viguera C,Bankova VS,De Castro SL,Dantas AP,Valente PH,Paulino N

In vitro antimicrobial activity of propolis dry extract.**Journal of chemotherapy (Florence, Italy)** , Volume: 12 Issue: 5 2000 Oct

Authors Drago L,Mombelli B,De Vecchi E,Fassina MC,Tocalli L,Gismondo MR

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

Effect of a new variety of Apis mellifera propolis on mutans Streptococci.**Current microbiology** , Volume: 41 Issue: 3 2000 Sep

Authors Koo H,Rosalen PL,Cury JA,Ambrosano GM,Murata RM,Yatsuda R,Ikegaki M,Alencar SM,Park YK

Screening of some Palestinian medicinal plants for antibacterial activity.**Journal of ethnopharmacology** , Volume: 70 Issue: 3 2000 Jun

Authors Essawi T,Srouf 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

Antimicrobial activity of essential oils and other plant extracts.**Journal of applied microbiology** , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA,Carson CF,Riley TV

An organosulfur compound isolated from oil-macerated garlic extract, and its antimicrobial effect.**Bioscience, biotechnology, and biochemistry** , Volume: 63 Issue: 3 1999 Mar

Authors Yoshida H,Katsuzaki H,Ohta R,Ishikawa K,Fukuda H,Fujino T,Suzuki A

The colonization of a simulator of the human intestinal microbial ecosystem by a probiotic strain fed on a fermented oat bran product: effects on the gastrointestinal microbiota.**Applied microbiology and biotechnology** , Volume: 50 Issue: 2 1998 Aug

Authors Kontula P,Jaskari J,Nollet L,De Smet I,von Wright A,Poutanen K,Mattila-Sandholm T

Antibacterial effect of propolis and honey on oral bacteria.**American journal of dentistry** , Volume: 9 Issue: 6 1996 Dec

Authors Steinberg D,Kaine G,Gedalia I

Antimicrobial activity of propolis on oral microorganisms.**Current microbiology** , Volume: 36 Issue: 1 1998 Jan

Authors Park YK,Koo MH,Abreu JA,Ikegaki M,Cury JA,Rosalen PL

Effects of lactulose and lactitol on colonic microflora and enzymatic activity.**Scandinavian journal of gastroenterology. Supplement** , Volume: 222 1997

Authors Ballongue J,Schumann C,Quignon P

Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.**The American journal of clinical nutrition** , Volume: 65 Issue: 5 1997 May

Authors Kleessen B,Sykura B,Zunft HJ,Blaut M

[Effect of propolis on Staphylococcus aureus strains resistant to antibiotics].**Antibiotiki** , Volume: 26 Issue: 4 1981 Apr

Authors Shub TA,Kagramanova KA,Voropaeva SD,Kivman Gl

Influence of dietary lactose on the gut flora of chicks.**British poultry science** , Volume: 23 Issue: 4 1982 Jul

Authors Morishita Y,Fuller R,Coates ME

The fermentation of lactulose by colonic bacteria.**Journal of general microbiology** , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS,Bramley PM,Menzies IS

Inhibition of coagulase activity and growth of Staphylococcus aureus by garlic extracts.**Folia microbiologica** , Volume: 19 Issue: 6 1974

Authors Fletcher RD,Parker B,Hassett M

Factors affecting growth and lipase production by meat lactobacilli strains and Brochothrix thermosphacta.

The Journal of applied bacteriology , Volume: 64 Issue: 2 1988 Feb

Authors Papon M,Talon R

Studies on the antimicrobial activity of Nigella sativa seed (black cumin).

Journal of ethnopharmacology , Volume: 34 Issue: 2-3 1991 Sep

Authors Hanafy MS,Hatem ME

Diet and faecal flora in the newborn: iron.

Archives of disease in childhood , Volume: 66 Issue: 12 1991 Dec

Authors Balmer SE,Wharton BA

[Selective effect of propolis in the isolation of Listeria monocytogenes (author's transl)].

Nordisk veterinærmedicin , Volume: 29 Issue: 10 1977 Oct

Authors Aspoy E

Effects of probiotic administration upon the composition and enzymatic activity of human fecal microbiota in patients with irritable bowel syndrome or functional diarrhea

Research in Microbiology , Volume: 152 Issue: 8 2001 Oct

Authors Patrizia Brigida,Beatrice Vitalia,Erwin Swennena,Gabriele Bazzocchi,Diego Matteuzia

Additional sources and private correspondence

Private Correspondance , Volume: 1 Issue: 2018

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1

Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

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Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Biofilm

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)

Carcinoma

cdkl5 deficiency disorder

Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke

Juvenile idiopathic arthritis
Liver Cirrhosis
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