

## Microbiome Information for: scoliosis

### 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**

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

In the USA

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

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

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

### Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

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[Our Facebook Discussion Page](#)

## Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of scoliosis

*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 |
|------------------|--------|-------|-------------|
| Mollicutes       | class  | High  | 31969       |
| Lachnospiraceae  | family | High  | 186803      |
| Oscillospiraceae | family | High  | 216572      |
| Bilophila        | genus  | Low   | 35832       |
| Catenibacterium  | genus  | High  | 135858      |
| Coprococcus      | genus  | High  | 33042       |
| Prevotella       | genus  | Low   | 838         |

| Bacteria Name          | Rank    | Shift | Taxonomy ID |
|------------------------|---------|-------|-------------|
| Proteus                | genus   | High  | 583         |
| Ruminiclostridium      | genus   | High  | 1508657     |
| Ruminococcus           | genus   | Low   | 1263        |
| Enterobacter cloacae   | species | High  | 550         |
| Escherichia coli       | species | High  | 562         |
| Eubacterium ventriosum | species | High  | 39496       |
| Lachnospira eligens    | species | Low   | 39485       |
| Staphylococcus aureus  | species | High  | 1280        |

## Substance to Consider Adding or Taking

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

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

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

bifidobacterium longum {B.Longum } 10 BCFU/day

Cichorium intybus {Chicory} 1800 mg/day

fruit/legume fibre

long-term, moderate-intensity exercise {exercise}

wheat

## Retail Probiotics

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

Bromatech (IT) / Rotanelle plus  
 Maple Life Science™ / Bifidobacterium longum  
 blackmores (au) / probiotics + adults daily (90 capsules)  
 Metabolics / Bifidobacterium Longum Powder  
 Bulk Probiotics / B. Longum Probiotic Powder  
 nature's way (au) / restore probiotic daily health 90s  
 align / align  
 jarrow formulas / bifidus balance® + fos  
 Align® Extra Strength  
 HLH BIOPHARMA(DE) / LACTOBACT® AAD  
 naturopathica (au) / gastrohealth probiotic adults 50+  
 Schwabe Pharma Italia / MegaStress  
 PrecisionBiotics / Zenflore  
 PharmExtracta / Bowell  
 Align / Align® Chewables  
 custom probiotics / d-lactate free probiotics powder  
 naturopathica (au) / gastrohealth fibrepro  
 blackmore (au) / probiotics+ eczema relief  
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis  
 Microbiome Labs / ZENBIOME Dual  
 canada (ca) / calmbiotic  
 InnovixLabs / Mood Probiotic  
 PoolPharma (IT) / ProbioTKMIO  
 CVSHealth / Daily Probiotic  
 Bromatech (IT) / Serobiome  
 SuperSmart / Oral Health  
 PharmExtracta (IT) / Gliadines buccal stickpacks  
 Sanogermina / AB-Kolicare  
 Bioflora(MX) / Woman  
 jarrow formulas / jarro-dophilus mood  
 Probiotic Sticks  
 Ombre / Metabolic Booster  
 nature's way (au) / restore probiotic 30 billion 30s  
 naturopathica (au) / gastrohealth probiotic daily care  
 blackmore (au) / probiotics+ daily health  
 PrecisionBiotics / Immune  
 CustomProbiotics.com / B. Longum Probiotic Powder

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

## Substance to Consider Reducing or Eliminating

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

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

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine}  
 2-Methyl-5-(1-methylethyl)phenol {Carvacrol}  
 3,3',4',5,7-pentahydroxyflavone {Quercetin}  
 Azadirachta indica {Neem}  
 bifidobacterium bifidum {B. bifidum}  
 Cinnamomum zeylanicum {Ceylon Cinnamon}  
 Citrus limon {Lemon}  
 Curcuma longa {Turmeric}  
 D-(-)-Fructose {Fruit sugar}  
 Diferuloylmethane {Curcumin}  
 eugenol {Eugenol acid}  
 foeniculum vulgare,fennel  
 green tea  
 Honey {Honey }  
 Lactobacillus plantarum {L. plantarum}

Lavandula angustifolia {lavender}  
 Metha family {Mint}  
 Moringa Oleifera  
 Nigella sativa {black cumin}  
 Ocimum gratissimum {Clove basil}  
 origanum vulgare {oregano}  
 Pimpinella anisum {Anise}  
 Propolis {Bee glue}  
 Punica granatum {pomegranate}  
 rosmarinus officinalis {rosemary}  
 Salvia officinalis {Sage}  
 β-(1?4)-linked D-glucosamine and N-acetyl-D-glucosamine {Chitosan}  
 syzygium aromaticum {clove}  
 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.

### Diagnosis of Crohn`s disease and ulcerative colitis using the microbiome.

**BMC microbiology** , Volume: 23 Issue: 1 2023 Nov 11

Authors Kang DY, Park JL, Yeo MK, Kang SB, Kim JM, Kim JS, Kim SY

### Exploring the Association between Gut Microbiota and Inflammatory Skin Diseases: A Two-Sample Mendelian Randomization Analysis.

**Microorganisms** , Volume: 11 Issue: 10 2023 Oct 19

Authors Long J, Gu J, Yang J, Chen P, Dai Y, Lin Y, Wu M, Wu Y

### A case of Proteus syndrome with severe spinal canal stenosis, scoliosis, and thoracic deformity associated with tethered cord.

**Japanese journal of radiology** , Volume: 30 Issue: 4 2012 May

Authors Yamamoto A, Kikuchi Y, Yuzurihara M, Kubota M, Ouchi T

### Paraparesis caused by an angiolipomatous hamartoma in an adolescent with Proteus syndrome and scoliosis.

**Journal of neurosurgery** , Volume: 103 Issue: 3 Suppl 2005 Sep

Authors White NJ, Cochrane DD, Beauchamp R

### Green Synthesis of Copper, Iron and Silver Nanoparticles from Origanum vulgare L. subsp. vulgare; Characterization, In Vitro Enzyme Inhibition, Antimicrobial Activities and In Silico Molecular Docking Studies.

**Molecular biotechnology** , 2025 Nov 29

Authors Aragan A, Imece A, Yigit A, Basar Y, Ertas M, Samsa CG, Ozturk D, Genç H

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

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

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

### Postbiotic delivery via alginate encapsulation alleviates DSS-induced colitis by modulating gut microbiota and SCFA-mediated immune signaling.

**Food research international (Ottawa, Ont.)** , Volume: 221 Issue: Pt 3 2025 Dec

Authors Yu Q, Zhu J, Huang M, Bai J, Zhu Y, Zhao Y, Yang Y, Xiao X

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

**Frontiers in aging neuroscience** , Volume: 17 2025

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

### Phytochemical analysis and bioactive potential of Moringa, Eucalyptus, and Nerium extracts against microbial, diabetic, inflammatory, and oxidative stress challenges.

**3 Biotech** , Volume: 15 Issue: 11 2025 Nov

Authors Challa BR, Kantamneni GD, Suravajhala M, Vadlamudi S, Manne M, Chathyushya KB

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

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

Authors Atan Çirpici H, Kirkpınar F

### Comparative Molecular Profiling and Bioactivity Analysis of Algerian Propolis: Antioxidant, Antibacterial Activities, and In Silico NRF2-KEAP1 Pathway Modulation.

**Current issues in molecular biology** , Volume: 47 Issue: 9 2025 Sep 15

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

### In Vitro and In Silico Analysis of Differential Antibacterial Activity of Pomegranate Polyphenols Against Gram-Positive and Gram-Negative Bacteria.

**Antibiotics (Basel, Switzerland)** , Volume: 14 Issue: 9 2025 Sep 10

Authors Surucic R, Travar M, Kundakovic Vasovic T, Radovic Selgrad J, Surucic L, Momcilovic M, Stojiljkovic MP, Škrbic R

### Lactobacillus plantarum and Lactobacillus brevis alleviate enterotoxigenic Escherichia coli-induced intestinal inflammation and stabilize intestinal microorganisms and serum metabolites in piglets.

**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 22 2025 Sep

Authors Han X, Gao R, Ding S, Yao H, Fang J, Liu G

### Probiotic Lactiplantibacillus plantarum Probio87 Improves Gut Microbial Profiles in HPV-Positive Women: A Randomized, Placebo-Controlled and Double-Blind Study.

**Molecular nutrition & food research** , 2025 Aug 30

Authors Xu P, Mageswary MU, Nisaa AA, Samsudin SB, Rusdi NIBM, Jerip ARA, Oon CE, Sany SB, Tan CS, Zhu ZH, Liong MT

### Enrichment of short-chain fatty acid-producing bacteria by pH-responsive sodium alginate and chitosan-encapsulated quercetin.

**Frontiers in microbiology** , Volume: 16 2025

Authors Bai Q,Zhao Z,Duan Y,Cai R,Chen Y,Zhou C,Tian X,Yang Y,Wu H,Li M,You J,Song Q,Dong H,Liu T

[Salivary pH Modulation and Antimicrobial Properties of Oregano-Oil Jelly in Relation to Menstrual and Menopausal Status.](#)

**Nutrients** , Volume: 17 Issue: 15 2025 Jul 29

Authors Potra Cicalau GI,Ciavoi G,Scrobota I,Venter ID,Ganea MF,Ghitea MC,Ghitea EC,Gitea MF,Ghitea TC,Nagy C,Pelea DC,Dobjanschi L,Gligor O,Moisă C,Ganea M

[Ultrasound-enhanced bioaccessibility and pharmacological activities of curcumin in inclusion complexes.](#)

**Food chemistry** , Volume: 493 Issue: Pt 1 2025 Jul 25

Authors Oliveira MX,Ribeiro IS,Canafistula FVC,Muniz SFM,Sampaio LMF,Nobre ARA,Ribeiro FOS,Silva RE,Souza JMT,Torres EJB,Filho JDBM,Araújo AJ,Sousa JS,Oliveira LS,de Paula RCM,Valente AJM,Feitosa JPA

[Lactiplantibacillus plantarum MTCC 25433 and Quercetin Blend Ameliorate Benzo\[a\]pyrene-Induced Gut Dysregulation in a Murine Model.](#)

**Current microbiology** , Volume: 82 Issue: 9 2025 Aug 4

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

[Antimicrobial activity of Origanum vulgare L. essential oil and its effects on fungal gene expression.](#)

**PloS one** , Volume: 20 Issue: 8 2025

Authors Li Y,He L,Xue Z,Liang Y,Jiang J,Wei Y,Li H,He H,Li R

[Physicochemical Properties, Antioxidant and Antibacterial Activities and Anti-Hepatocarcinogenic Effect and Potential Mechanism of Schefflera oleifera Honey Against HepG2 Cells.](#)

**Foods (Basel, Switzerland)** , Volume: 14 Issue: 13 2025 Jul 4

Authors Li J,Wang J,Wang Y,Yang W

[Effects of Dietary Ratio of Insoluble Fiber to Soluble Fiber on Reproductive Performance, Biochemical Parameters, and Fecal Microbial Composition of Gestating Sows.](#)

**Animals : an open access journal from MDPI** , Volume: 15 Issue: 13 2025 Jun 23

Authors Wen X,Wu Q,Gao K,Yang X,Xiao H,Jiang Z,Wang L

[The potential of cell-free supernatants from Lactocaseibacillus paracasei B1 and Lactiplantibacillus plantarum O24 as antioxidant and antimicrobial agents.](#)

**Food chemistry** , Volume: 492 Issue: Pt 2 2025 Jul 3

Authors Keska P,Zielinska D,Karbowiak M,Kruk M,Lisiecka U,Stadnik J

[Quercetin alleviates the progression of chronic rhinosinusitis by affecting nasal mucosal epithelial remodeling, inflammation and Treg/Th17 imbalance.](#)

**Biochemistry and cell biology = Biochimie et biologie cellulaire** , 2025 Jul 2

Authors Qu X,Tao P,Dong J,Meng L

[Combined Phytochemical Sulforaphane and Dietary Fiber Inulin Contribute to the Prevention of ER-Negative Breast Cancer via PI3K/AKT/MTOR Pathway and Modulating Gut Microbial Composition.](#)

**Nutrients** , Volume: 17 Issue: 12 2025 Jun 17

Authors Wu H,Witt BL,van der Pol WJ,Morrow CD,Duck LW,Tollefsbol TO

[Incorporation of Azadirachta indica kernel in the diet of guinea pigs: effects on digestibility and caecal health.](#)

**Tropical animal health and production** , Volume: 57 Issue: 6 2025 Jun 21

Authors Djoumessi Tobou GF,Kenfack LBM,Miégué E,Fokom DW,Kuitche HM,Kesnel ZDD,Tendonkeng F,Clerge T,Hornick JL

[Prebiotic potential of wheat and dark rye: modulation of gut microbiota and short-chain fatty acid-producing bacteria.](#)

**Food science and biotechnology** , Volume: 34 Issue: 11 2025 Jul

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

[Metabolic Stress Induced by Quercetin Enhances Dormancy and Persistence in Staphylococcus aureus.](#)

**Antibiotics (Basel, Switzerland)** , Volume: 14 Issue: 5 2025 Apr 22

Authors Kim DY,Kim TJ

[Synergistic Biocidal Effects of Curcumin, Chitosan, and Nickel Titanate-Based Nanohybrids for Enhanced Antibacterial and Anticancer Therapies.](#)

**ACS applied bio materials** , 2025 May 14

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

[Crosstalk Among Gut Microbiota, Fecal Metabolites, and Amygdala Neuropathology Genes After Ginger Polyphenol Administration in Female Rats with Neuropathic Pain: Evidence for Microbiota-Gut-Brain Connection.](#)

**Nutrients** , Volume: 17 Issue: 9 2025 Apr 25

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

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

**3 Biotech** , Volume: 15 Issue: 5 2025 May

Authors Thakur A,Sharma K

[Alleviating Effect of Lactiplantibacillus plantarum HYY-S10 on Colitis in Mice Based on an Analysis of the Immune Axis in](#)

the Intestine.**Microorganisms** , Volume: 13 Issue: 4 2025 Apr 7

Authors Li M,Liu X,Chen W,Xu H,Huang F,Yao Q,Jia X,Huang Y

Metabolic Profile, Antioxidant, Antimicrobial, Contractile, and Anti-Inflammatory Potential of Moringa oleifera Leaves (India).**Life (Basel, Switzerland)** , Volume: 15 Issue: 4 2025 Apr 1

Authors Panova N,Gerasimova A,Tumbariski Y,Ivanov I,Todorova M,Dincheva I,Gentscheva G,Gledacheva V,Slavchev V,Stefanova I,Petkova N,Nikolova S,Nikolova K

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

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

Selenium-enriched green tea extracts: chemical constituents and effects on antioxidant and anti-inflammatory factors and four major intestinal flora in mice with intestinal disorders.**Journal of the science of food and agriculture** , 2025 Apr 15

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

Electrostatically assembled maghemite nanoparticles-Lactobacillus plantarum: A novel hybrid for enhanced antioxidant, antimicrobial, and antibiofilm efficacy.**Bioresource technology** , 2025 Apr 12

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

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

Curcumin Ameliorated Glucocorticoid-Induced Osteoporosis While Modulating the Gut Microbiota and Serum Metabolome.**Journal of agricultural and food chemistry** , 2025 Mar 26

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

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

Maternal dietary inulin intake during late gestation and lactation ameliorates intestinal oxidative stress in piglets with the involvements of gut microbiota and bile acids metabolism.**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 20 2025 Mar

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

Chemical compositions and synergistical antimicrobial effects of essential oils from four commonly used Satureja species in combination with two conventional antibiotics.**Chemistry & biodiversity** , 2025 Feb 27

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

Chemical Characterization and Antibiotic-Enhancing Activity of the Essential Oils of Propolis of Melipona quadrifasciata quadrifasciata.**Plants (Basel, Switzerland)** , Volume: 14 Issue: 4 2025 Feb 14

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

Diet Supplementation with Pomegranate Fruit Alters Distal Gut Microbiota of Healthy Female College Students.**Microorganisms** , Volume: 13 Issue: 2 2025 Jan 30

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

The efficacy and underlying mechanisms of berberine in the treatment of recurrent Clostridioides difficile infection.**International journal of antimicrobial agents** , Volume: 65 Issue: 5 2025 Feb 20

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

Enhanced antimicrobial effects of carvacrol against methicillin-resistant Staphylococcus aureus strains using niosome formulations.**Revista Argentina de microbiología** , Volume: 57 Issue: 1 2025 Jan-Mar

Authors Bakhtiari R,Shiri M,Reza Mohammadi M,Reza Pourmand M,Mirzaie A,Taghiabadi Z

[Comparative Evaluation of Different Mint Species Based on Their In Vitro Antioxidant and Antibacterial Effect.](#)

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

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

[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

[Curcumin Mitigates Gut Dysbiosis and Enhances Gut Barrier Function to Alleviate Metabolic Dysfunction in Obese, Aged Mice.](#)

**Biology , Volume: 13 Issue: 12 2024 Nov 21**

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

[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

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

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

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

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

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

Authors Obeidat M,Haddad MA,Ghnamat SA

[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,Alruhaili 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

[Comparative Analysis of Eugenol-Loaded Ag-Co and Unloaded Ag-Co Bimetallic Nanoparticles Against Escherichia coli.](#)

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

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

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

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

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

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

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

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

[Probiotic-Loaded Bacterial Cellulose as an Alternative to Combat Carbapenem-Resistant Bacterial Infections.](#)

**Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 11 2024 Oct 25**

Authors Gutiérrez-Fernández J,Cerezo-Collado L,Garcés V,Alarcón-Guijo P,Delgado-López JM,Dominguez-Vera JM

[Bifidobacterium longumBL-19 inhibits oxidative stress and inflammatory damage in the liver of mice with NAFLD by regulating the production of butyrate in the intestine.](#)

**Food science & nutrition , Volume: 12 Issue: 9 2024 Sep**

Authors Zhang X,Xu J,Dong X,Tang J,Xie Y,Yang J,Zou L,Wu L,Fan J

[Thermosensitive Injectable Dual Drug-Loaded Chitosan-Based Hydrogels for Treating Bacterial Endometritis.](#)

**ACS biomaterials science & engineering , 2024 Nov 15**

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

[Hydroxypropyl methylcellulose stabilized clove oil nanoemulsified orodispersible films: Study of physicochemical properties.](#)

[release profile, mucosal permeation, and anti-bacterial activity.](#)

**International journal of biological macromolecules** , Volume: 283 Issue: Pt 1 2024 Dec

Authors Aswathy KV,Beulah KC,Nalina M,Sunil Ambedkar D,Leela Sairam A,Priyadarshini P,Panneerselvam A,Rao PJ

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

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

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

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

**Frontiers in medicine** , Volume: 11 2024

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

[Dietary supplementation with citrus peel extract in transition period improves rumen microbial composition and ameliorates energy metabolism and lactation performance of dairy cows.](#)

**Journal of animal science and biotechnology** , Volume: 15 Issue: 1 2024 Nov 9

Authors Ju L,Shao Q,Fang Z,Trevisi E,Chen M,Song Y,Gao W,Lei L,Li X,Liu G,Du X

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

**Frontiers in nutrition** , Volume: 11 2024

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

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

**Anaerobe** , 2023 Oct 28

Authors Fredua-Agyeman M,Stapleton P,Gaisford S

[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

[Effects of Different Levels of Green Tea Powder on Performance, Antioxidant Activity, Egg Mass, Quality, and Cecal Microflora of Chickens.](#)

**Animals : an open access journal from MDPI** , Volume: 14 Issue: 20 2024 Oct 18

Authors Luo W,Tan Q,Li H,Ye T,Xiao T,Tian X,Wang W

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

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

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

[Antimicrobial Activity of 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

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

**Food microbiology** , Volume: 125 2025 Jan

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

[Characterization of thyme essential oil microcapsules and potato starch/pectin composite films and their impact on the quality of chilled mutton.](#)

**Food chemistry** , Volume: 464 Issue: Pt 2 2025 Feb 1

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

[Development and Assessment of a Multipurpose Herbal Cream With Moringa oleifera Lam.](#)

**Cureus** , Volume: 16 Issue: 9 2024 Sep

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

[Supplementation of curcumin promotes the intestinal structure, immune barrier function and cecal microbiota composition of laying hens in early laying period.](#)

**Poultry science** , Volume: 103 Issue: 12 2024 Sep 24

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

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

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

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

[Biocompatible Poly\(e-Caprolactone\) Nanocapsules Enhance the Bioavailability, Antibacterial, and Immunomodulatory Activities of Curcumin.](#)

**International journal of molecular sciences** , Volume: 25 Issue: 19 2024 Oct 4

Authors D'Angeli F,Granata G,Romano IR,Distefano A,Lo Furno D,Spila A,Leo M,Miele C,Ramadan D,Ferroni P,Li Volti G,Accardo P,Geraci C,Guadagni F,Genovese C

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

**Frontiers in microbiology** , Volume: 15 2024

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

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

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

**Frontiers in immunology** , Volume: 15 2024

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

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

**Microorganisms** , Volume: 12 Issue: 9 2024 Sep 19

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

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

**Microorganisms** , Volume: 12 Issue: 9 2024 Sep 6

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

Plants with Antimicrobial Activity against Escherichia coli, a Meta-Analysis for Green Veterinary Pharmacology Applications.

**Microorganisms** , Volume: 12 Issue: 9 2024 Aug 28

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

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

**Biology** , Volume: 13 Issue: 9 2024 Aug 30

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

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

Isolation and Identification of Human Gut Bacteria Capable of Converting Curcumin to Its Hydrogenated Metabolites.

**Journal of agricultural and food chemistry** , Volume: 72 Issue: 37 2024 Sep 18

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

Cytotoxicity assessment and antimicrobial effects of cell-free supernatants from probiotic lactic acid bacteria and yeast against multi-drug resistant Escherichia coli.

**Letters in applied microbiology** , Volume: 77 Issue: 9 2024 Sep 2

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

Effects of Mint Oils on the Human Oral Microbiome: A Pilot Study.

**Microorganisms** , Volume: 12 Issue: 8 2024 Jul 27

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

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

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

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

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

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

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

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

**Oxidative medicine and cellular longevity** , Volume: 2024 2024

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

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

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

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

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

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

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

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

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

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

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

Dietary Citrus Flavonoids Improved Growth Performance and Intestinal Microbiota of Weaned Piglets via Immune Function

Mediated by TLR2/NF- $\kappa$ B Signaling Pathway.

**Journal of agricultural and food chemistry** , 2024 Jul 16

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

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

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

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

Apple polysaccharide improves age-matched cognitive impairment and intestinal aging through microbiota-gut-brain axis.

**Scientific reports** , Volume: 14 Issue: 1 2024 Jul 13

Authors Zhang W,Zhong Y,Wang Z,Tang F,Zheng C

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

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

nanoparticles and oregano essence.

**Biopolymers** , Volume: 115 Issue: 6 2024 Nov

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

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

urease activity.

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

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

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

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

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

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

Authors Kwun MS, Lee DG

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

**Nutrients** , Volume: 16 Issue: 12 2024 Jun 14

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

Machine Learning Metabolomics Profiling of Dietary Interventions from a Six-Week Randomised Trial.

**Metabolites** , Volume: 14 Issue: 6 2024 May 29

Authors Kouraki A,Nogal A,Nocun W,Louca P,Vijay A,Wong K,Michelotti GA,Menni C,Valdes AM

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

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

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

Authors Bose S,Chaudhari VS,Kushram P

Lactobacillus plantarum-Derived Extracellular Vesicles Modulate Macrophage Polarization and Gut Homeostasis for

Alleviating Ulcerative Colitis.

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

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

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

against bacteria.

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

Authors Li Z,Li Y,Cheng W

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

**Veterinary world** , Volume: 17 Issue: 4 2024 Apr

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

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

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

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

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

Bifidobacterium longum S3 alleviates loperamide-induced constipation by modulating intestinal acetic acid and stearic acid levels in mice.

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

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

Anti-proliferative, antimicrobial, DFT calculations, and molecular docking 3D scaffold based on sodium alginate, chitosan, neomycin sulfate and hydroxyapatite.

**International journal of biological macromolecules** , Volume: 270 Issue: Pt 1 2024 Jun

Authors Dacory S

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

**Frontiers in physiology** , Volume: 15 2024

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

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

**Probiotics and antimicrobial proteins** , 2024 May 9

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

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

**International journal of environmental health research** , 2024 May 2

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

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

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

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

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

**Nutrients** , Volume: 16 Issue: 8 2024 Apr 13

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

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

**Nutrients** , Volume: 16 Issue: 8 2024 Apr 13

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

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

**Nutrients** , Volume: 16 Issue: 8 2024 Apr 12

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

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

Inulin has a beneficial effect by modulating the intestinal microbiome in a BALB/c mouse model.

**Beneficial microbes** , Volume: 14 Issue: 4 2023 Sep 1

Authors Zhu Z,Hu C,Liu Y,Wang F,Zhu B

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

**Frontiers in chemistry** , Volume: 12 2024

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

Endurance exercise associated with a fructooligosaccharide diet modulates gut microbiota and increases colon absorptive area.

**Journal of gastroenterology and hepatology** , Volume: 39 Issue: 6 2024 Jun

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

Effect of aerobic exercise and particulate matter exposure duration on the diversity of gut microbiota.

**Animal cells and systems** , Volume: 28 Issue: 1 2024

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

Cognitive behavioral and mindfulness with daily exercise intervention is associated with changes in intestinal microbial taxa and systemic inflammation in patients with Crohn's disease.

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

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

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

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

**Integrative cancer therapies** , Volume: 23 2024 Jan-Dec

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

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

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

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

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

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

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

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

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

Human gut microbiota fermentation of cooked eggplant, garlic, and onion supports distinct microbial communities.

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

Authors Rajakaruna S,Pérez-Burillo S,Rufián-Henares JÁ,Paliy O

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

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

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

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

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

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

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

**Journal of Cancer** , Volume: 15 Issue: 5 2024

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

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

Effect of ginger supplementation on the fecal microbiome in subjects with prior colorectal adenoma.**Scientific reports , Volume: 14 Issue: 1 2024 Feb 5**

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

Berberine alleviates ischemia reperfusion injury induced AKI by regulation of intestinal microbiota and reducing intestinal inflammation.**BMC complementary medicine and therapies , Volume: 24 Issue: 1 2024 Jan 30**

Authors Huo A,Wang F

Moringa oleifera Gum-Assisted Synthesis and Characterization of CoAg(x)Fe(2-x)O(4): Insight into Structural, Magnetic, Optical, and Biomedical Properties.**ACS omega , Volume: 9 Issue: 3 2024 Jan 23**

Authors Tamboli QY,Patange SM,Mohanta YK,Patil AD,Ali R,Bushnak I,Zakde K

Bifidobacterium improves oestrogen-deficiency-induced osteoporosis in mice by modulating intestinal immunity.**Food & function , Volume: 15 Issue: 4 2024 Feb 19**

Authors Zhang J,Liang X,Tian X,Zhao M,Mu Y,Yi H,Zhang Z,Zhang L

Lactobacillus plantarum attenuates glucocorticoid-induced osteoporosis by altering the composition of rat gut microbiota and serum metabolic profile.**Frontiers in immunology , Volume: 14 2023**

Authors Li S,Han X,Liu N,Chang J,Liu G,Hu S

Curcumin Mitigates the High-Fat High-Sugar Diet-Induced Impairment of Spatial Memory, Hepatic Metabolism, and the Alteration of the Gut Microbiome in Alzheimer's Disease-Induced (3xTg-AD) Mice.**Nutrients , Volume: 16 Issue: 2 2024 Jan 12**

Authors Lamichhane G,Liu J,Lee SJ,Lee DY,Zhang G,Kim Y

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

Prevalence and Antimicrobial Characteristics of Escherichia coli in Selected Vegetables and Herbs in Bangkok, Thailand.**Journal of food protection , Volume: 87 Issue: 3 2024 Mar**

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

Fructose dose-dependently influences colon barrier function by regulation of some main physical, immune, and biological factors in rats.**The Journal of nutritional biochemistry , Volume: 126 2024 Apr**

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

Salvia officinalis-Hydroxyapatite Nanocomposites with Antibacterial Properties.**Polymers , Volume: 15 Issue: 23 2023 Nov 22**

Authors Ciobanu SC,Predoi D,Chifiriuc MC,Ionaru SL,Predoi MV,Popa M,Rokosz K,Raean S,Marinas IC

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

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

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

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

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

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

Moringa oleifera leaf alleviates functional constipation via regulating the gut microbiota and the enteric nervous system in mice.**Frontiers in microbiology , Volume: 14 2023**

Authors Gao X,Yang W,Li S,Liu S,Yang W,Song S,Sheng J,Zhao Y,Tian Y

A systematic review on the effects of exercise on gut microbial diversity, taxonomic composition, and microbial metabolites.

identifying research gaps and future directions.

**Frontiers in physiology** , Volume: 14 2023

Authors Cullen JMA,Shahzad S,Dhillon J

Bifidobacterium longum SX-1326 ameliorates gastrointestinal toxicity after irinotecan chemotherapy via modulating the P53 signaling pathway and brain-gut axis.

**BMC microbiology** , Volume: 24 Issue: 1 2024 Jan 3

Authors Yue F,Zeng X,Wang Y,Fang Y,Yue M,Zhao X,Zhu R,Zeng Q,Wei J,Chen T

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

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

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

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

**Frontiers in microbiology** , Volume: 14 2023

Authors Tu X,Ren H,Bu S

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

Immunity, rumen metagenomics, ruminal variables, and growth performance of calves fed milk with sage (Salvia officinalis) essential oil.

**Tropical animal health and production** , Volume: 56 Issue: 1 2023 Dec 27

Authors Kara K,Pirci G

Therapeutic Potential of Punica granatum and Isolated Compounds: Evidence-Based Advances to Treat Bacterial Infections.

**International journal of microbiology** , Volume: 2023 2023

Authors Mendes PM,Gomes Fontoura GM,Rodrigues LDS,Souza AS,Viana JPM,Fernandes Pereira AL,Dutra RP,Nogueira Ferreira AG,Neto MS,Reis AS,Berretta AA,Monteiro-Neto V,Maciel MCG

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

Berberine-microbiota interplay: orchestrating gut health through modulation of the gut microbiota and metabolic transformation into bioactive metabolites.

**Frontiers in pharmacology** , Volume: 14 2023

Authors Dehau T,Cherlet M,Croubels S,Van De Viet M,Goossens E,Van Immerseel F

The antibacterial effectiveness of lavender essential oil against methicillin-resistant Staphylococcus aureus: a systematic review.

**Frontiers in pharmacology** , Volume: 14 2023

Authors Truong S,Mudgil P

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,Sahravi H,Hafezi Y,Mirshafeeyan M,Moghaddam ZS,Farasati Far B,Noorbazargan H,Mirzaie A,Ren Q

Effects of pomegranate (Punica granatum L.) peel on the growth performance and intestinal microbiota of broilers challenged with Escherichia coli.

**Poultry science** , Volume: 103 Issue: 2 2024 Feb

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

The Inhibitory Activity of Lactobacillus plantarum Supernatant against Enterobacteria, Campylobacter, and Tumor Cells.

**Bulletin of experimental biology and medicine** , Volume: 176 Issue: 1 2023 Nov

Authors Danilova TA,Adzhieva AA,Mezentseva MV,Suetina IA,Danilina GA,Minko AG,Dmitrieva ML,Zhukhovitsky VG

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

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

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

**Microbiome research reports** , Volume: 2 Issue: 1 2023

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

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

**Frontiers in veterinary science , Volume: 10 2023**

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

Curcumin alleviates traumatic brain injury induced by gas explosion through modulating gut microbiota and suppressing the LPS/TLR4/MyD88/NF- $\kappa$ B pathway.

**Environmental science and pollution research international , Volume: 31 Issue: 1 2024 Jan**

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

Quercetin targets SarA of methicillin-resistant Staphylococcus aureus to mitigate biofilm formation.

**Microbiology spectrum , Volume: 12 Issue: 1 2024 Jan 11**

**Authors Liu P,Kang X,Chen X,Luo X,Li C,Wang G**

Epigallocatechin gallate alleviates osteoporosis by regulating the gut microbiota and serum metabolites in rats.

**Food & function , Volume: 14 Issue: 23 2023 Nov 27**

**Authors Han X,Fu Y,Wang K,Li S,Jiang C,Wang S,Wang Z,Liu G,Hu S**

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

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

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

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

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

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

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

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

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

Phlorizin Mitigates Dextran Sulfate Sodium-Induced Colitis in Mice by Modulating Gut Microbiota and Inhibiting Ferroptosis.

**Journal of agricultural and food chemistry , 2023 Oct 19**

**Authors Cheng J,Liu D,Huang Y,Chen L,Li Y,Yang Z,Fu S,Hu G**

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

**Frontiers in microbiology , Volume: 14 2023**

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

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

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

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

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

**Nutrients , Volume: 15 Issue: 19 2023 Sep 22**

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

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

**Journal of agricultural and food chemistry , 2023 Oct 6**

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

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

**Pharmaceutics , Volume: 15 Issue: 9 2023 Aug 22**

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

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

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

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

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

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

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

The Synergism of Human Lactobacillaceae and Inulin Decrease Hyperglycemia via Regulating the Composition of Gut Microbiota and Metabolic Profiles in db/db Mice.

**Journal of microbiology and biotechnology , Volume: 33 Issue: 12 2023 Aug 21**

**Authors Li P,Tong T,Wu Y,Zhou X,Zhang M,Liu J,She Y,Li Z,Li A**

Carboxymethyl chitosan-TK resistant starch complex ameliorates type 2 diabetes by regulating the gut microbiota.

**International journal of biological macromolecules** , Volume: 253 Issue: Pt 3 2023 Dec 31

Authors Pan X,Liu P,Zhang YJ,Zhang HK,Wei H,Jiang JY,Hui-Yan,Shang EX,Li WW,Wang Y,Duan JA

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

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

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

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

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

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

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

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

Immunomodulatory effects of inulin and its intestinal metabolites.

**Frontiers in immunology** , Volume: 14 2023

Authors Sheng W, Ji G,Zhang L

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

**In silico pharmacology** , Volume: 11 Issue: 1 2023

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

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

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

**Physiology & behavior** , Volume: 270 2023 Oct 15

Authors Zhu Y,Zhu J,Song G

Carvacrol attenuated lipopolysaccharide-induced intestinal injury by down-regulating TLRs gene expression and regulating the gut microbiota in rabbit.

**Scientific reports** , Volume: 13 Issue: 1 2023 Jul 15

Authors Wu D,Xia M,Yan A,Jiang H,Fan J,Zhou S,Wei X,Liu S,Chen B

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

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

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

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

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

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

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

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

**Carbohydrate polymers** , Volume: 316 2023 Sep 15

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

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

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

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

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

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,Alnagar 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

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

**Nutrients** , Volume: 15 Issue: 7 2023 Apr 1

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

Neuroprotective Effects of Lactobacillus plantarum PS128 in a Mouse Model of Parkinson's Disease: The Role of Gut Microbiota and MicroRNAs.

**International journal of molecular sciences** , Volume: 24 Issue: 7 2023 Apr 5

Authors Lee YZ,Cheng SH,Chang MY,Lin YF,Wu CC,Tsai YC

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

**Frontiers in immunology** , Volume: 14 2023

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

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

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

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

Goji berry leaf exerts a comparable effect against colitis and microbiota dysbiosis to its fruit in dextran-sulfate-sodium-treated mice.

**Food & function** , Volume: 14 Issue: 7 2023 Apr 3

Authors Yu C,Chen Y,Ahmadi S,Wu D,Wu J,Ding T,Liu D,Ye X,Chen S,Pan H

Formulation, In Vitro and In Silico Evaluations of Anise (Pimpinella anisum L.) Essential Oil Emulgel with Improved Antimicrobial Effects.

**Gels (Basel, Switzerland)** , Volume: 9 Issue: 2 2023 Jan 28

Authors Azam F,Alqarni MH,Alnasser SM,Alam P,Jawaid T,Kamal M,Khan S,Alam A

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

Moringa oleifera leaf ethanolic extract benefits cashmere goat semen quality via improving rumen microbiota and metabolome.

**Frontiers in veterinary science** , Volume: 10 2023

Authors Liang J,Wu T,Wang T,Ma Y,Li Y,Zhao S,Guo Y,Liu B

Taiwanese green propolis ameliorates metabolic syndrome via remodeling of white adipose tissue and modulation of gut microbiota in diet-induced obese mice.

**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 160 2023 Apr

Authors Chien YH,Yu YH,Chen YW

Antimicrobial Activity of Quercetin, Naringenin and Catechin: Flavonoids Inhibit Staphylococcus aureus-Induced Hemolysis and Modify Membranes of Bacteria and Erythrocytes.

**Molecules (Basel, Switzerland)** , Volume: 28 Issue: 3 2023 Jan 27

Authors Veiko AG,Olchowik-Grabarek E,Sekowski S,Roszkowska A,Lapshina EA,Dobrzynska I,Zamaraeva M,Zavodnik IB

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

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

**Frontiers in microbiomes** , Volume: 1 2022

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

A High Dose of Dietary Berberine Improves Gut Wall Morphology, Despite an Expansion of Enterobacteriaceae and a Reduction in Beneficial Microbiota in Broiler Chickens.

**mSystems** , Volume: 8 Issue: 1 2023 Feb 23

Authors Dehau T,Cherlet M,Croubels S,van Immerseel F,Goossens E

A Novel Approach Based on Gut Microbiota Analysis and Network Pharmacology to Explain the Mechanisms of Action of Cichorium intybus L. Formula in the Improvement of Hyperuricemic Nephropathy in Rats.

**Drug design, development and therapy** , Volume: 17 2023

Authors Amatjan M,Li N,He P,Zhang B,Mai X,Jiang Q,Xie H,Shao X

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

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

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

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

**Frontiers in nutrition** , Volume: 9 2022

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

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

**Frontiers in pharmacology** , Volume: 13 2022

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

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

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

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

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

**Nutrients** , Volume: 15 Issue: 1 2022 Dec 22

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

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

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

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

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 Zannotto 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

Two weeks of high glucose intake is enough to induce intestinal mucosal damage and disturb the balance of the gut microbiota of rats.

**Biomedical reports** , Volume: 18 Issue: 1 2023 Jan

Authors Min C,Fu T,Tan W,Wang T,Du Y,Huang X

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

**Psychiatry research** , Volume: 319 2023 Jan

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

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

**Nutrients** , Volume: 14 Issue: 24 2022 Dec 10

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

Heat-Killed Bifidobacterium bifidum B1628 May Alleviate Dextran Sulfate Sodium-Induced Colitis in Mice, and the Anti-Inflammatory Effect Is Associated with Gut Microbiota Modulation.

**Nutrients** , Volume: 14 Issue: 24 2022 Dec 8

Authors Feng C,Zhang W,Zhang T,He Q,Kwok LY,Tan Y,Zhang H

[Benefits of Green Tea: Clinical Evidence for Respiratory Tract Infections].

**Yakugaku zasshi : Journal of the Pharmaceutical Society of Japan** , Volume: 142 Issue: 12 2022

Authors Yamada H

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

Effects of Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens.**Animals : an open access journal from MDPI** , Volume: 12 Issue: 22 2022 Nov 20

Authors Wu T, Yang F, Jiao T, Zhao S

Investigation of Immunostimulatory Effects of Heat-Treated Lactiplantibacillus plantarum LM1004 and Its Underlying Molecular Mechanism.**Food science of animal resources** , Volume: 42 Issue: 6 2022 Nov

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

Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.**Applied microbiology and biotechnology** , Volume: 106 Issue: 24 2022 Dec

Authors Zhai T, Ren W, Wang P, Zheng L

Cedrol from ginger alleviates rheumatoid arthritis through dynamic regulation of intestinal microenvironment.**Food & function** , Volume: 13 Issue: 22 2022 Nov 14

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

Differential regulation and preventive mechanisms of green tea powder with different quality attributes on high-fat diet-induced obesity in mice.**Frontiers in nutrition** , Volume: 9 2022

Authors Wang J, Dong L, Hu JQ, Wang YY, Li A, Peng B, Zhang BW, Liu JM, Wang S

Curcumin encapsulation in self-assembled nanoparticles based on amphiphilic palmitic acid-grafted-quaternized chitosan with enhanced cytotoxic, antimicrobial and antioxidant properties.**International journal of biological macromolecules** , Volume: 222 Issue: Pt B 2022 Dec 1

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

The effects of peppermint (*Mentha piperita* L.) and chicory (*Cichorium intybus* L.) in comparison with a prebiotic on productive performance, blood constituents, immunity and intestinal microflora in broiler chickens.**Animal biotechnology** , Volume: 34 Issue: 7 2023 Dec

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

Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF- $\kappa$ B pathway mediated by gut microbiota disturbance in obese dogs.**Research in veterinary science** , Volume: 152 2022 Dec 20

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

Swimming exercise ameliorates depressive-like behavior by anti-inflammation activity, rebalancing gut *Escherichia coli* and *Lactobacilli*.**Brain research** , Volume: 1797 2022 Dec 15

Authors Ding Z, Du L

Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.**Journal of physiology and pharmacology : an official journal of the Polish Physiological Society** , Volume: 73 Issue: 2 2022 Apr

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

*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 HP $\beta$ CD assisted host-guest interaction.**Biomaterials advances** , Volume: 141 2022 Oct

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

*Lactobacillus plantarum* ST-III modulates abnormal behavior and gut microbiota in a mouse model of autism spectrum disorder.**Physiology & behavior** , Volume: 257 2022 Dec 1

Authors Guo M, Li R, Wang Y, Ma S, Zhang Y, Li S, Zhang H, Liu Z, You C, Zheng H

Thymol screening, phenolic contents, antioxidant and antibacterial activities of Iranian populations of *Trachyspermum ammi* (L.) Sprague (Apiaceae).**Scientific reports** , Volume: 12 Issue: 1 2022 Sep 19

Authors Modareskia M, Fattahi M, Mirjalili MH

Synthesis, spectroscopic characterization, density functional theory study, antimicrobial and antioxidant activities of

curcumin and alanine-curcumin Schiff base.

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

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

Comprehensive analysis of microbiome, metabolome and transcriptome revealed the mechanisms of Moringa oleifera polysaccharide on preventing ulcerative colitis.

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

Authors Tian H,Wen Z,Liu Z,Guo Y,Liu G,Sun B

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

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

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

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

**Heliyon** , Volume: 8 Issue: 9 2022 Sep

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

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

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

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

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

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

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

Curcumin-driven reprogramming of the gut microbiota and metabolome ameliorates motor deficits and neuroinflammation in a mouse model of Parkinson's disease.

**Frontiers in cellular and infection microbiology** , Volume: 12 2022

Authors Cui C,Han Y,Li H,Yu H,Zhang B,Li G

Nano-Microemulsions of CaCO<sub>3</sub>-Encapsulated Curcumin Ester Derivatives With High Antioxidant and Antimicrobial Activities and pH Sensitivity.

**Frontiers in veterinary science** , Volume: 9 2022

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

Eugenol, A Major Component of Clove Oil, Attenuates Adiposity, and Modulates Gut Microbiota in High-Fat Diet-Fed Mice.

**Molecular nutrition & food research** , Volume: 66 Issue: 20 2022 Oct

Authors Li M,Zhao Y,Wang Y,Geng R,Fang J,Kang SG,Huang K,Tong T

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

Chemical Analysis and Investigation of Biological Effects of Salvia officinalis Essential Oils at Three Phenological Stages.

**Molecules (Basel, Switzerland)** , Volume: 27 Issue: 16 2022 Aug 12

Authors Assaggaf HM,Naceiri Mrabti H,Rajab BS,Attar AA,Alyamani RA,Hamed M,El Omari N,El Menyiy N,Hazzoumi Z,Benali T,Al-Mijalli SH,Zengin G,Aldhaheiri Y,Eid AH,Bouyahya A

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

**Frontiers in microbiology** , Volume: 13 2022

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

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

**Frontiers in pharmacology** , Volume: 13 2022

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

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,Lyoussi B,Derwich E

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

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

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

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

**Protoplasma** , Volume: 260 Issue: 2 2023 Mar

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

Early life administration of Bifidobacterium bifidum BD-1 alleviates long-term colitis by remodeling the gut microbiota and promoting intestinal barrier development.

**Frontiers in microbiology** , Volume: 13 2022

**Authors** Peng C,Li J,Miao Z,Wang Y,Wu S,Wang Y,Wang S,Cheng R,He F,Shen X

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

**Frontiers in immunology** , Volume: 13 2022

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

Dietary Goji Shapes the Gut Microbiota to Prevent the Liver Injury Induced by Acute Alcohol Intake.

**Frontiers in nutrition** , Volume: 9 2022

**Authors** Guo L,Guan Q,Duan W,Ren Y,Zhang XJ,Xu HY,Shi JS,Wang FZ,Lu R,Zhang HL,Xu ZH,Li H,Geng Y

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

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

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

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

**Authors** Chen WC,Chien HW

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

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

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

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

**Nutrients** , Volume: 14 Issue: 13 2022 Jun 30

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

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

**Planta medica** , Volume: 89 Issue: 8 2023 Jul

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

In-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

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

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

**Authors** Guan Z,Feng Q

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

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

**Authors** Sakac M,Jovanov P,Maric A,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

Dietary Moringa oleifera leaf powder improves jejunal permeability and digestive function by modulating the microbiota composition and mucosal immunity in heat stressed rabbits.

**Environmental science and pollution research international** , Volume: 29 Issue: 53 2022 Nov

**Authors** Khalid AR,Yasoob TB,Zhang Z,Zhu X,Hang S

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

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

metabolites.

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

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

Synergy of Dietary Quercetin and Vitamin E Improves Cecal Microbiota and Its Metabolite Profile in Aged Breeder Hens.

**Frontiers in microbiology** , Volume: 13 2022

Authors Amevor FK,Cui Z,Du X,Feng J,Shu G,Ning Z,Xu D,Deng X,Song W,Wu Y,Cao X,Wei S,He J,Kong F,Du X,Tian Y,Karikari B,Li D,Wang Y,Zhang Y,Zhu Q,Zhao X

Characterization of a Novel Antimicrobial Peptide Isolated from Moringa oleifera Seed Protein Hydrolysates and Its Membrane Damaging Effects on Staphylococcus aureus.

**Journal of agricultural and food chemistry** , Volume: 70 Issue: 20 2022 May 25

Authors Zhao Q,He L,Wang X,Ding X,Li L,Tian Y,Huang A

Curcumin Supplementation Ameliorates Bile Cholesterol Supersaturation in Hamsters by Modulating Gut Microbiota and Cholesterol Absorption.

**Nutrients** , Volume: 14 Issue: 9 2022 Apr 27

Authors Hong T,Zou J,Jiang X,Yang J,Cao Z,He Y,Feng D

Crude Polysaccharide Extracted From Moringa oleifera Leaves Prevents Obesity in Association With Modulating Gut Microbiota in High-Fat Diet-Fed Mice.

**Frontiers in nutrition** , Volume: 9 2022

Authors Li L,Ma L,Wen Y,Xie J,Yan L, Ji A,Zeng Y,Tian Y,Sheng J

Pomegranate peel polyphenols interaction with intestinal flora and its metabolic transformation.

**Xenobiotica; the fate of foreign compounds in biological systems** , Volume: 52 Issue: 5 2022 May

Authors Shi H,Yang J,Li J

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

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

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

Authors Arendse W,Jideani V

Green Banana Flour Contributes to Gut Microbiota Recovery and Improves Colonic Barrier Integrity in Mice Following Antibiotic Perturbation.

**Frontiers in nutrition** , Volume: 9 2022

Authors Li P,Li M,Song Y,Huang X,Wu T,Xu ZZ,Lu H

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

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

**Biology** , Volume: 11 Issue: 3 2022 Mar 21

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

Antibacterial and Antibiofilm Activity of Selected Medicinal Plant Leaf Extracts Against Pathogens Implicated in Poultry Diseases.

**Frontiers in veterinary science** , Volume: 9 2022

Authors Olawuwo OS,Famuyide IM,McGaw LJ

Antimicrobial and Larvicidal Activities of Different Ocimum Essential Oils Extracted by Ultrasound-Assisted Hydrodistillation.

**Molecules (Basel, Switzerland)** , Volume: 27 Issue: 5 2022 Feb 22

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

Biocomposites of Silk-Elastin and Essential Oil from Mentha piperita Display Antibacterial Activity.

**ACS omega** , Volume: 7 Issue: 8 2022 Mar 1

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

Curcumin Alleviates Dextran Sulfate Sodium-Induced Colitis in Mice Through Regulating Gut Microbiota.

**Molecular nutrition & food research** , Volume: 66 Issue: 8 2022 Apr

Authors Guo X,Xu Y,Geng R,Qiu J,He X

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

**Biomedicines** , Volume: 10 Issue: 1 2021 Dec 31

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

[Dietary Supplementation with Goji Berries \(\*Lycium barbarum\*\) Modulates the Microbiota of Digestive Tract and Caecal Metabolites in Rabbits.](#)

**Animals : an open access journal from MDPI** , Volume: 12 Issue: 1 2022 Jan 5

Authors Cremonesi P,Curone G,Biscarini F,Cotozzolo E,Menchetti L,Riva F,Marongiu ML,Castiglioni B,Barbato O,Munga A,Castrica M,Vigo D,Sulce M,Quattrone A,Agradi S,Brecchia G

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

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

Authors Donati Zeppa S,Amatori S,Sisti D,Gervasi M,Agostini D,Piccoli G,Pazienza V,Gobbi P,Rocchi MBL,Sestili P,Stocchi V  
[Potential effects of Saudi Shaoka \(\*Fagonia bruguieri\*\) honey against multi-drug-resistant bacteria and cancer cells in comparison to Manuka honey.](#)

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

Authors Halawani EM

[Multidimensional exploration of essential oils generated via eight oregano cultivars: Compositions, chemodiversities, and antibacterial capacities.](#)

**Food chemistry** , Volume: 374 2022 Apr 16

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

[Lactobacillus plantarum ZJUFB2 Prevents High Fat Diet-Induced Insulin Resistance in Association With Modulation of the Gut Microbiota.](#)

**Frontiers in nutrition** , Volume: 8 2021

Authors Zhong H,Wang J,Abdullah,Hafeez MA,Guan R,Feng F

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

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

Authors Gérard P

[Dietary supplementation of gingerols- and shogaols-enriched ginger root extract attenuate pain-associated behaviors while modulating gut microbiota and metabolites in rats with spinal nerve ligation.](#)

**The Journal of nutritional biochemistry** , 2021 Nov 5

Authors Shen CL,Wang R, Ji G,Elmassry MM,Zabet-Moghaddam M,Vellers H,Hamood AN,Gong X,Mirzaei P,Sang S,Neugebauer V  
[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 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

[In vitro digestibility and prebiotic activities of a bioactive polysaccharide from Moringa oleifera leaves.](#)

**Journal of food biochemistry** , Volume: 45 Issue: 11 2021 Nov

Authors Li C,Zhou S,Fu X,Huang Q,Chen Q

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

**BioMed research international** , Volume: 2021 2021

Authors Dognon V,Hounsa E,Agbodjento E,Keilah LP,Legba BB,Sintondji K,Afaton A,Klotoe JR,Baba-Moussa L,Bankole H  
[Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.](#)

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

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

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

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

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

[Quercetin modulates the gut microbiota as well as the metabolome in a rat model of osteoarthritis.](#)

**Bioengineered** , Volume: 12 Issue: 1 2021 Dec

Authors Lan H,Hong W,Qian D,Peng F,Li H,Liang C,Du M,Gu J,Mai J,Bai B,Peng G

[Eight-week exercise training in humans with obesity: Marked improvements in insulin sensitivity and modest changes in gut microbiome.](#)

**Obesity (Silver Spring, Md.) , Volume: 29 Issue: 10 2021 Oct**

Authors Verheggen RJHM,Konstanti P,Smidt H,Hermus ARMIM,Thijssen DHJ,Hopman MTE

The Protection of *Lactiplantibacillus plantarum* CCFM8661 Against Benzopyrene-Induced Toxicity via Regulation of the Gut Microbiota.

**Frontiers in immunology , Volume: 12 2021**

Authors Yu L,Zhang L,Duan H,Zhao R,Xiao Y,Guo M,Zhao J,Zhang H,Chen W,Tian F

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

Dietary Inulin Regulated Gut Microbiota and Improved Neonatal Health in a Pregnant Sow Model.

**Frontiers in nutrition , Volume: 8 2021**

Authors Li H,Ma L,Zhang L,Liu N,Li Z,Zhang F,Liu X,Ma X

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

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

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

Kaempferol Alleviates Murine Experimental Colitis by Restoring Gut Microbiota and Inhibiting the LPS-TLR4-NF- $\kappa$ B Axis.

**Frontiers in immunology , Volume: 12 2021**

Authors Qu Y,Li X,Xu F,Zhao S,Wu X,Wang Y,Xie J

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

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

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

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

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

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

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

**Food chemistry , Volume: 365 2021 Dec 15**

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

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

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

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

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

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

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

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

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

Resveratrol and its derivative pterostilbene ameliorate intestine injury in intrauterine growth-retarded weanling piglets by modulating redox status and gut microbiota.

**Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 10**

Authors Chen Y,Zhang H,Chen Y,Jia P,Ji S,Zhang Y,Wang T

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

Extract of neem (Azadirachta indica) leaf exhibits bactericidal effect against multidrug resistant pathogenic bacteria of poultry.

**Veterinary medicine and science** , 2021 May 6

Authors Ali E,Islam MS,Hossen MI,Khatun MM,Islam MA

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

**Biology** , Volume: 10 Issue: 4 2021 Apr 20

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

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

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

Berberine attenuates choline-induced atherosclerosis by inhibiting trimethylamine and trimethylamine-N-oxide production via manipulating the gut microbiome.

**NPJ biofilms and microbiomes** , Volume: 7 Issue: 1 2021 Apr 16

Authors Li X,Su C,Jiang Z,Yang Y,Zhang Y,Yang M,Zhang X,Du Y,Zhang J,Wang L,Jiang J,Hong B

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

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

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

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

**Nutrients** , Volume: 13 Issue: 4 2021 Mar 27

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

[Ginger-separated moxibustion for chronic fatigue syndrome and its effect on intestinal flora].

**Zhongguo zhen jiu = Chinese acupuncture & moxibustion** , Volume: 41 Issue: 3 2021 Mar 12

Authors Lin YF,Jin XQ,Zhu JF,Chen YD,Sheng JL,He JJ,Jin YY

Quercetin as a Precursor for the Synthesis of Novel Nanoscale Cu (II) Complex as a Catalyst for Alcohol Oxidation with High Antibacterial Activity.

**Bioinorganic chemistry and applications** , Volume: 2021 2021

Authors Moodi Z,Bagherzade G,Peters J

Gut Microbiota Variation With Short-Term Intake of Ginger Juice on Human Health.

**Frontiers in microbiology** , Volume: 11 2020

Authors Wang X,Zhang D,Jiang H,Zhang S,Pang X,Gao S,Zhang H,Zhang S,Xiao Q,Chen L,Wang S,Qi D,Li Y

Enhancement of the antibiotic activity by quercetin against Staphylococcus aureus efflux pumps.

**Journal of bioenergetics and biomembranes** , Volume: 53 Issue: 2 2021 Apr

Authors Dos Santos JFS,Tintino SR,da Silva ARP,Dos S Barbosa CR,Scherf JR,de S Silveira Z,de Freitas TS,de Lacerda Neto LJ,Barros LM,de A Menezes IR,Coutinho HDM,Siqueira-Júnior JP,Cunha FAB

Assessment of Antimicrobial Activity of Pomegranate, Cranberry, and Black Chokeberry Extracts against Foodborne Pathogens.

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

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

Effect of Quercetin on Lipids Metabolism Through Modulating the Gut Microbial and AMPK/PPAR Signaling Pathway in Broilers.

**Frontiers in cell and developmental biology** , Volume: 9 2021

Authors Wang M,Wang B,Wang S,Lu H,Wu H,Ding M,Ying L,Mao Y,Li Y

Green Synthesis of Silver Nanoparticles from the Extracts of Fruit Peel of Citrus tangerina, Citrus sinensis, and Citrus limon for Antibacterial Activities.

**Bioinorganic chemistry and applications** , Volume: 2021 2021

Authors Niluxsshun MCD,Masilamani K,Mathiventhan U

Effects of colon-targeted vitamins on the composition and metabolic activity of the human gut microbiome- a pilot study.

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

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

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

**Frontiers in bioengineering and biotechnology** , Volume: 9 2021

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

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

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

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

The antimicrobial capacity of Cistus salviifolius and Punica granatum plant extracts against clinical pathogens is related to their polyphenolic composition.

**Scientific reports** , Volume: 11 Issue: 1 2021 Jan 12

Authors Álvarez-Martínez FJ,Rodríguez JC,Borrás-Rocher F,Barrajón-Catalán E,Micol V

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

**Frontiers in microbiology** , Volume: 11 2020

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

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

Exopolysaccharides from Lactobacillus plantarum YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.

**Acta biochimica Polonica** , Volume: 67 Issue: 4 2020 Dec 17

Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y

Characterization, activities, and ethnobotanical uses of Mentha species in Morocco.

**Heliyon** , Volume: 6 Issue: 11 2020 Nov

Authors El Hassani FZ

Green tea leaf powder prevents dyslipidemia in high-fat diet-fed mice by modulating gut microbiota.

**Food & nutrition research** , Volume: 64 2020

Authors Wang J,Li P,Liu S,Zhang B,Hu Y,Ma H,Wang S

Antibacterial Activity of Honey Samples from Ukraine.

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

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

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

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

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

Minor Changes in the Composition and Function of the Gut Microbiota During a 12-Week Whole Grain Wheat or Refined Wheat Intervention Correlate with Liver Fat in Overweight and Obese Adults.

**The Journal of nutrition** , Volume: 151 Issue: 3 2021 Mar 11

Authors van Trijp MPH,Schutte S,Esser D,Wopereis S,Hoevenaars FPM,Hooiveld GJEJ,Afman LA

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

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,Tvrđá E

Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice.

**European journal of nutrition** , Volume: 60 Issue: 4 2021 Jun

Authors Guo Y,Yu Y,Li H,Ding X,Li X,Jing X,Chen J,Liu G,Lin Y,Jiang C,Liu Z,He Y,Li C,Tian Z

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

**Journal of animal science and biotechnology** , Volume: 11 2020

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

Dietary Epigallocatechin-3-Gallate Alters the Gut Microbiota of Obese Diabetic db/db Mice: Lactobacillus Is a Putative Target.

**Journal of medicinal food** , Volume: 23 Issue: 10 2020 Oct

Authors Park JM,Shin Y, Kim SH,Jin M,Choi JJ

Development and characterization of a carvacrol nanoemulsion and evaluation of its antimicrobial activity against selected food-related pathogens.

**Letters in applied microbiology** , Volume: 72 Issue: 3 2021 Mar

Authors Motta Felício I,Limongi de Souza R,de Oliveira Melo C,Gervázio Lima KY,Vasconcelos U,Olimpio de Moura R,Elamen Oliveira E

Inhibition of Staphylococcus aureus LC554891 by Moringa oleifera Seed Extract either Singly or in Combination with Antibiotics.

**Molecules (Basel, Switzerland)** , Volume: 25 Issue: 19 2020 Oct 7

Authors Enan G,Al-Mohammadi AR,Mahgoub S,Abdel-Shafi S,Askar E,Ghaly MF,Taha MA,El-Gazzar N

Effect of resveratrol and quercetin on the susceptibility of Escherichia coli to antibiotics.

**World journal of microbiology & biotechnology** , Volume: 36 Issue: 11 2020 Oct 6

Authors Oktyabrsky ON,Bezmaternykh KV,Smirnova GV,Tyulenev AV

Bifidobacterium bifidum TMC3115 ameliorates milk protein allergy in by affecting gut microbiota: A randomized double-blind control trial.

**Journal of food biochemistry** , Volume: 44 Issue: 11 2020 Nov

Authors Jing W,Liu Q,Wang W

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

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

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

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

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

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

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

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

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

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

**Carbohydrate polymers** , Volume: 247 2020 Nov 1

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

Reciprocal Interactions between Epigallocatechin-3-gallate (EGCG) and Human Gut Microbiota In Vitro.

**Journal of agricultural and food chemistry** , Volume: 68 Issue: 36 2020 Sep 9

Authors Liu Z,de Bruijn WJC,Bruins ME,Vincken JP

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

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

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

In vitro and in silico inhibitory effects of synthetic and natural eugenol derivatives against the NorA efflux pump in Staphylococcus aureus.

**Food chemistry** , Volume: 337 2021 Feb 1

Authors Muniz DF,Dos Santos Barbosa CR,de Menezes IRA,de Sousa EO,Pereira RLS,Júnior JTC,Pereira PS,de Matos YMLS,da Costa RHS,de Moraes Oliveira-Tintino CD,Coutinho HDM,Filho JMB,Ribeiro de Sousa G,Filho JR,Siqueira-Junior JP,Tintino SR

Dietary Mannan-oligosaccharides potentiate the beneficial effects of Bifidobacterium bifidum in broiler chicken.

**Letters in applied microbiology** , Volume: 71 Issue: 5 2020 Nov

Authors Dev K,Akbar Mir N,Biswas A,Kannoujia J,Begum J,Kant R

Curcumin, a Natural Antimicrobial Agent with Strain-Specific Activity.

**Pharmaceuticals (Basel, Switzerland) , Volume: 13 Issue: 7 2020 Jul 16**

Authors Adamczak A,Ozarowski M,Karpinski TM

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

**Journal of agricultural and food chemistry , 2020 Jul 24**

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

Antioxidant and antibacterial activities of multiflora honey extracts from the Indonesian Apis cerana bee.

**Journal of Taibah University Medical Sciences , Volume: 15 Issue: 3 2020 Jun**

Authors Nayaka NMDMW,Fidrianny I,Sukrasno,Hartati R,Singgih M

Transcriptomic analysis of multi-drug resistant Escherichia coli K-12 strain in response to Lavandula angustifolia essential oil.

**3 Biotech , Volume: 10 Issue: 7 2020 Jul**

Authors Lai PJ,Ng EV,Yang SK,Moo CL,Low WY,Yap PS,Lim SE,Lai KS

Effects of phenolic and protein extracts from Melipona beecheii honey on pathogenic strains of Escherichia coli and Staphylococcus aureus.

**Food science and biotechnology , Volume: 29 Issue: 7 2020 Jul**

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

Rosemary and Tea Tree Essential Oils Exert Antibiofilm Activities In Vitro against Staphylococcus aureus and Escherichia coli.

**Journal of food protection , Volume: 83 Issue: 7 2020 Jul 1**

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

A Phytocomplex Consisting of Tropaeolum majus L. and Salvia officinalis L. Extracts Alleviates the Inflammatory Response of Dermal Fibroblasts to Bacterial Lipopolysaccharides.

**Oxidative medicine and cellular longevity , Volume: 2020 2020**

Authors Jurca T,Baldea I,Filip GA,Olteanu D,Clichici S,Pallag A,Vicas L,Marian E,Micle O,Crivii CB,Muresan M

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

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

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

**Biomolecules , Volume: 10 Issue: 6 2020 Jun 4**

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

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

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

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

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

Berberine Damages the Cell Surface of Methicillin-Resistant Staphylococcus aureus.

**Frontiers in microbiology , Volume: 11 2020**

Authors Zhang X,Sun X,Wu J,Wu Y,Wang Y,Hu X,Wang X

[Discussion on the curative effect and mechanisms of berberine in rats with non-alcoholic fatty liver].

**Zhonghua gan zang bing za zhi = Zhonghua ganzangbing zazhi = Chinese journal of hepatology , Volume: 28**

**Issue: 4 2020 Apr 20**

**Authors** Li DH,Liu YT,Hao SR,Zheng JM,Hou HT,Wang YZ

Green tea polyphenols boost gut-microbiota-dependent mitochondrial TCA and urea cycles in Sprague-Dawley rats.

**The Journal of nutritional biochemistry , Volume: 81 2020 Jul**

**Authors** Zhou J,Tang L,Shen CL,Wang JS

Administration of Bifidobacterium bifidum CGMCC 15068 modulates gut microbiota and metabolome in azoxymethane (AOM)/dextran sulphate sodium (DSS)-induced colitis-associated colon cancer (CAC) in mice.

**Applied microbiology and biotechnology , Volume: 104 Issue: 13 2020 Jul**

**Authors** Wang Q,Wang K,Wu W,Lv L,Bian X,Yang L,Wang Q,Li Y,Ye J,Fang D,Wu J,Jiang X,Xie J,Lu Y,Li L

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

Phytochemical Study and Antibacterial and Antibiotic Modulation Activity of Punica granatum (Pomegranate) Leaves.

**Scientifica , Volume: 2020 2020**

**Authors** Trabelsi A,El Kaibi MA,Abbassi A,Horchani A,Chekir-Ghedira L,Ghedira K

Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.

**International journal of food sciences and nutrition , Volume: 71 Issue: 8 2020 Dec**

**Authors** Chen K,Zhao H,Shu L,Xing H,Wang C,Lu C,Song G

Chinese Propolis Prevents Obesity and Metabolism Syndromes Induced by a High Fat Diet and Accompanied by an Altered Gut Microbiota Structure in Mice.

**Nutrients , Volume: 12 Issue: 4 2020 Mar 30**

**Authors** Zheng Y,Wu Y,Tao L,Chen X,Jones TJ,Wang K,Hu F

Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.

**The British journal of nutrition , Volume: 124 Issue: 3 2020 Aug 14**

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

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

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

Ethanol extract of propolis prevents high-fat diet-induced insulin resistance and obesity in association with modulation of gut microbiota in mice.

**Food research international (Ottawa, Ont.) , Volume: 130 2020 Apr**

**Authors** Cai W,Xu J,Li G,Liu T,Guo X,Wang H,Luo L

Moringa Oleifera Oil Modulates Rumen Microflora to Mediate In Vitro Fermentation Kinetics and Methanogenesis in Total Mix Rations.

**Current microbiology , Volume: 77 Issue: 7 2020 Jul**

**Authors** Ebeid HM,Mengwei L,Kholif AE,Hassan FU,Lijuan P,Xin L,Chengjian Y

Use of A Hydroalcoholic Extract of Moringa oleifera Leaves for the Green Synthesis of Bismuth Nanoparticles and Evaluation of Their Anti-Microbial and Antioxidant Activities.

**Materials (Basel, Switzerland) , Volume: 13 Issue: 4 2020 Feb 15**

**Authors** Das PE,Majdalawieh AF,Abu-Yousef IA,Narasimhan S,Poltronieri P

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

Effect of berberine on spleen transcriptome and gut microbiota composition in experimental autoimmune uveitis.

**International immunopharmacology , Volume: 81 2020 Apr**

**Authors** Du Z,Wang Q,Huang X,Yi S,Mei S,Yuan G,Su G,Cao Q,Zhou C,Wang Y,Kijlstra A,Yang P

Green Synthesis of Encapsulated Copper Nanoparticles Using a Hydroalcoholic Extract of Moringa oleifera Leaves and Assessment of Their Antioxidant and Antimicrobial Activities.

**Molecules (Basel, Switzerland) , Volume: 25 Issue: 3 2020 Jan 28**

**Authors** Das PE,Abu-Yousef IA,Majdalawieh AF,Narasimhan S,Poltronieri P

Elucidation of the potential of Moringa oleifera leaves extract as a novel alternate to the chemical coagulant in water treatment process.

**Water environment research : a research publication of the Water Environment Federation , Volume: 92 Issue: 7**  
**2020 Jul**

Authors Pandey P,Khan F,Mishra R,Singh SK

[Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome.](#)

**Beneficial microbes , Volume: 10 Issue: 8 2019 Dec 9**

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

[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

[Carboxymethyl chitosan perturbs inflammation profile and colonic microbiota balance in mice.](#)

**Journal of food and drug analysis , Volume: 28 Issue: 1 2020 Jan**

Authors Liu Y,Zong S,Li J

[Effect of dietary Moringa oleifera leaves on the performance, ileal microbiota and antioxidative status of broiler chickens.](#)

**Journal of animal physiology and animal nutrition , Volume: 104 Issue: 2 2020 Mar**

Authors Abu Hafsa SH,Ibrahim SA,Eid YZ,Hassan AA

[Chemical Composition and Antimicrobial Effectiveness of Ocimum gratissimum L. Essential Oil Against Multidrug-Resistant Isolates of Staphylococcus aureus and Escherichia coli.](#)

**Molecules (Basel, Switzerland) , Volume: 24 Issue: 21 2019 Oct 26**

Authors Melo RS,Albuquerque Azevedo AM,Gomes Pereira AM,Rocha RR,Bastos Cavalcante RM,Carneiro Matos MN,Ribeiro Lopes PH,Gomes GA,Soares Rodrigues TH,Santos HSD,Ponte IL,Costa RA,Brito GS,Catunda Júnior FEA,Carneiro VA

[Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial.](#)

**The Journal of nutrition , 2019 Aug 28**

Authors Christensen L,Vuholm S,Roager HM,Nielsen DS,Krych L,Kristensen M,Astrup A,Hjorth MF

[Wheat Gluten Regulates Cholesterol Metabolism by Modulating Gut Microbiota in Hamsters with Hyperlipidemia.](#)

**Journal of oleo science , Volume: 68 Issue: 9 2019**

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

[Raw Bowl Tea \(Tuocha\) Polyphenol Prevention of Nonalcoholic Fatty Liver Disease by Regulating Intestinal Function in Mice.](#)

**Biomolecules , Volume: 9 Issue: 9 2019 Sep 1**

Authors Liu B,Zhang J,Sun P,Yi R,Han X,Zhao X

[Inhibition of Escherichia coli adhesion to human intestinal Caco-2?cells by probiotic candidate Lactobacillus plantarum strain L15.](#)

**Microbial pathogenesis , Volume: 136 2019 Nov**

Authors Alizadeh Behbahani B,Noshad M,Falah F

[Rebalancing of the gut flora and microbial metabolism is responsible for the anti-arthritis effect of kaempferol.](#)

**Acta pharmacologica Sinica , Volume: 41 Issue: 1 2020 Jan**

Authors Aa LX,Fei F,Qi Q,Sun RB,Gu SH,Di ZZ,Aa JY,Wang GJ,Liu CX

[Effect of Bay Leaves Essential Oil Concentration on the Properties of Biodegradable Carboxymethyl Cellulose-Based Edible Films.](#)

**Materials (Basel, Switzerland) , Volume: 12 Issue: 15 2019 Jul 24**

Authors Rincón E,Serrano L,Balu AM,Aguilar JJ,Luque R,García A

[Chitosan Oligosaccharide Ameliorates Nonalcoholic Fatty Liver Disease \(NAFLD\) in Diet-Induced Obese Mice.](#)

**Marine drugs , Volume: 17 Issue: 7 2019 Jul 2**

Authors Qian M,Lyu Q,Liu Y,Hu H,Wang S,Pan C,Duan X,Gao Y,Qi LW,Liu W,Wang L

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

**Clinical nutrition (Edinburgh, Scotland) , 2019 May 30**

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

[Fermented Momordica charantia L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.](#)

**Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul**

Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY

[Four men in a boat: Ultra-endurance exercise alters the gut microbiome.](#)

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

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

[Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.](#)

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

Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschasaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan

- P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium*  
In vitro modulation of human gut microbiota composition and metabolites by Bifidobacterium longum BB-46 and a citric pectin.  
**Food research international (Ottawa, Ont.)** , Volume: 120 2019 Jun  
 Authors Bianchi F,Larsen N,Tieghi TM,Adorno MAT,Saad SMI,Jespersen L,Sivieri K  
The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.  
**Frontiers in nutrition** , Volume: 6 2019  
 Authors Jefferson A,Adolphus K  
Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.  
**Journal of agricultural and food chemistry** , Volume: 67 Issue: 33 2019 Aug 21  
 Authors Han Y,Song M,Gu M,Ren D,Zhu X,Cao X,Li F,Wang W,Cai X,Yuan B,Goulette T,Zhang G,Xiao H  
Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.  
**PeerJ** , Volume: 7 2019  
 Authors De Paepe K,Verspreet J,Rezaei MN,Hidalgo Martinez S,Meysman F,Van de Walle D,Dewettinck K,Raes J,Courtin C,Van de Wiele T  
Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.  
**Gut microbes** , 2018 Nov 5  
 Authors Valcheva R,Koleva P,Martínez I,Walter J,Gänzle MG,Dieleman LA  
Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.  
**Natural product research** , 2018 Oct 13  
 Authors Condò C,Anacarlo I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P  
Behavioral response to fiber feedings is cohort-dependent and associated with gut microbiota composition in mice.  
**Behavioural brain research** , Volume: 359 2019 Feb 1  
 Authors Mailing LJ,Allen JM,Pence BD,Rytych J,Sun Y,Bhattacharya TK,Park P,Cross TL,McCusker RH,Swanson KS,Fahey GC,Rhodes JS,Kelley KW,Johnson RW,Woods JA  
Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.  
**Molecular nutrition & food research** , Volume: 62 Issue: 22 2018 Nov  
 Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ  
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  
The Effects of Berberine on the Gut Microbiota in Apc <sup>sup</sup>min/+<sup>sup</sup> Mice Fed with a High Fat Diet.  
**Molecules (Basel, Switzerland)** , Volume: 23 Issue: 9 2018 Sep 8  
 Authors Wang H,Guan L,Li J,Lai M,Wen X  
The effect of lavender (Lavandula angustifolia) essential oil as a drinking water supplement on the production performance, blood biochemical parameters, and ileal microflora in broiler chickens.  
**Poultry science** , Volume: 98 Issue: 1 2019 Jan 1  
 Authors Adaszynska-Skwrzynska M,Szczerbinska D  
Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.  
**Archives of animal nutrition** , Volume: 72 Issue: 6 2018 Dec  
 Authors Li B,Schroyen M,Leblois J,Wavreille J,Soyeurt H,Bindelle J,Everaert N  
Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.  
**Environmental microbiology** , Volume: 20 Issue: 9 2018 Sep  
 Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM,Van de Wiele T  
Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.  
**Journal of evidence-based integrative medicine** , Volume: 23 2018 Jan-Dec  
 Authors Peterson CT,Vaughn AR,Sharma V,Chopra D,Mills PJ,Peterson SN,Sivamani RK  
Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.  
**The Journal of nutritional biochemistry** , Volume: 59 2018 Sep  
 Authors Mayta-Apaza AC,Pottgen E,De Bodt J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SQ,Carbonero F  
A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.

**Applied and environmental microbiology** , Volume: 84 Issue: 19 2018 Oct 1

Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R

[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

[Encapsulation of green tea polyphenol by pH responsive, antibacterial, alginate microgels used for minimally invasive treatment of bone infection.](#)

**Colloids and surfaces. B, Biointerfaces** , Volume: 170 2018 Oct 1

Authors Chen Z,Lv X,Zhao M,Zhang P,Ren X,Mei X

[Bifidobacterium bifidum TMC3115 Can Characteristically Influence Glucose and Lipid Profile and Intestinal Microbiota in the Middle-Aged and Elderly.](#)

**Probiotics and antimicrobial proteins** , 2018 Jul 5

Authors Wang K,Yu X,Li Y,Guo Y,Ge L,Pu F,Ma X,Cui W,Marrota F,He F,Li M

[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

[In Vivo Anti-Inflammatory, Anti-Bacterial and Anti-Diarrhoeal Activity of Ziziphus Jujuba Fruit Extract.](#)

**Open access Macedonian journal of medical sciences** , Volume: 6 Issue: 5 2018 May 20

Authors Mesaik AM,Poh HW,Bin OY,Elawad I,Alsayed B

[Chicory Roots for Prebiotics and Appetite Regulation: A Pilot Study in Mice.](#)

**Journal of agricultural and food chemistry** , Volume: 66 Issue: 25 2018 Jun 27

Authors Fouré M,Dugardin C,Foligné B,Hance P,Cadalen T,Delcourt A,Taminiau B,Daube G,Ravallec R,Cudennec B,Hilbert JL,Lucau-Danila A

[Citrus peel extracts attenuated obesity and modulated gut microbiota in mice with high-fat diet-induced obesity.](#)

**Food & function** , Volume: 9 Issue: 6 2018 Jun 20

Authors Tung YC,Chang WT,Li S,Wu JC,Badmeav V,Ho CT,Pan MH

[Antagonistic effect of isolated probiotic bacteria from natural sources against intestinal Escherichia coli pathotypes.](#)

**Electronic physician** , Volume: 10 Issue: 3 2018 Mar

Authors Karimi S,Rashidian E,Birjandi M,Mahmoodnia L

[Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.](#)

**Nutrients** , Volume: 10 Issue: 5 2018 May 8

Authors Klimenko NS,Tyakht AV,Popenko AS,Vasiliev AS,Altukhov IA,Ischenko DS,Shashkova TI,Efimova DA,Nikogosov

DA,Osipenko DA,Musienko SV,Selezneva KS,Baranova A,Kurilshikov AM,Toshchakov SM,Korzhenkov AA,Samarov

NI,Shevchenko MA,Teplyuk AV,Alexeev DG

[Response of Gut Microbiota to Metabolite Changes Induced by Endurance Exercise.](#)

**Frontiers in microbiology** , Volume: 9 2018

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

[Screening and characterization of selected drugs having antibacterial potential.](#)

**Pakistan journal of pharmaceutical sciences** , Volume: 31 Issue: 3 2018 May

Authors Javed H,Tabassum S,Erum S,Murtaza I,Muhammad A,Amin F,Nisar MF

[Properties of Basil and Lavender Essential Oils Adsorbed on the Surface of Hydroxyapatite.](#)

**Materials (Basel, Switzerland)** , Volume: 11 Issue: 5 2018 Apr 24

Authors Predoi D,Groza A,Iconaru SL,Predoi G,Barbuceanu F,Guegan R,Motelica-Heino MS,Cimpeanu C

[Influence of Nigella sativa seeds, Rosmarinus officinalis leaves and their combination on growth performance, immune response and rumen metabolism in Dorper lambs.](#)

**Tropical animal health and production** , Volume: 50 Issue: 5 2018 Jun

Authors Odhaib KJ,Adeyemi KD,Ahmed MA,Jahromi MF,Jusoh S,Samsudin AA,Alimon AR,Yaakub H,Sazili AQ

[Characterization of essential oil from Ocimum gratissimum leaves: Antibacterial and mode of action against selected gastroenteritis pathogens.](#)

**Microbial pathogenesis** , Volume: 118 2018 May

Authors Chimnoi N,Reuk-Ngam N,Chuysinuan P,Khlaychan P,Khunnawutmanotham N,Chokchaichamnankit D,Thamniyom

W,Klayraung S,Mahidol C,Techasakul S

[Extensive impact of non-antibiotic drugs on human gut bacteria.](#)

**Nature** , Volume: 555 Issue: 7698 2018 Mar 29

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

[Molecular Modelling reveals the inhibition mechanism and structure-activity relationship of curcumin and its analogues to](#)

Staphylococcal 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

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.**PeerJ** , Volume: 6 2018

Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X

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

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.**Frontiers in microbiology** , Volume: 9 2018

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

Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.**Plant foods for human nutrition (Dordrecht, Netherlands)** , Volume: 73 Issue: 1 2018 Mar

Authors Paturi G,Butts CA,Monro JA,Hedderley D

Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.**The British journal of nutrition** , Volume: 119 Issue: 2 2018 Jan

Authors Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J

Thymus mastichina L. essential oils from Murcia (Spain): Composition and antioxidant, antienzymatic and antimicrobial bioactivities.**PloS one** , Volume: 13 Issue: 1 2018

Authors Cutillas AB,Carrasco A,Martinez-Gutierrez R,Tomas V,Tudela J

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.**Journal of food protection** , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

Quercetin metabolism by fecal microbiota from healthy elderly human subjects.**PloS one** , Volume: 12 Issue: 11 2017

Authors Tamura M,Hoshi C,Kobori M,Takahashi S,Tomita J,Nishimura M,Nishihira J

Low-Molecular-Weight Chitosan Supplementation Increases the Population of <i>Prevotella</i> in the Cecal Contents of Weanling Pigs.**Frontiers in microbiology** , Volume: 8 2017

Authors Yu T,Wang Y,Chen S,Hu M,Wang Z,Wu G,Ma X,Chen Z,Zheng C

A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.**Food & function** , Volume: 8 Issue: 12 2017 Dec 13

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.**Journal of food science and technology** , Volume: 54 Issue: 12 2017 Nov

Authors Ashraf SA,Al-Shammari E,Hussain T,Tajuddin S,Panda BP

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

Study of anticancer and antibacterial activities of Foeniculum vulgare, Justicia adhatoda and Urtica dioica as natural curatives.**Cellular and molecular biology (Noisy-le-Grand, France)** , Volume: 63 Issue: 9 2017 Sep 30

Authors Batool R,Salahuddin H,Mahmood T,Ismail M

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

Synergistic effect of <i>Carum copticum</i> and <i>Mentha piperita</i> essential oils with ciprofloxacin, vancomycin, and gentamicin on Gram-negative and Gram-positive bacteria.**International journal of pharmaceutical investigation** , Volume: 7 Issue: 2 2017 Apr-Jun

Authors Talei GR,Mohammadi M,Bahmani M,Kopaei MR

Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.**Journal of food and drug analysis** , Volume: 25 Issue: 2 2017 Apr

Authors Semeniuc CA,Pop CR,Rotar AM

Essential oils from Taiwan: Chemical composition and antibacterial activity against Escherichia coli.

**Journal of food and drug analysis** , Volume: 24 Issue: 3 2016 Jul

Authors Lin PC, Lee JJ, Chang JJ

Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.

**Food & nutrition research** , Volume: 61 Issue: 1 2017

Authors Shen L, Liu L, Ji HF

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

Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.

**Nutrition and cancer** , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P, Lam V, Salzman N, Huang YW, Yu J, Zhang J, Wang LS

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

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

Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome.

**Environmental microbiology** , Volume: 19 Issue: 8 2017 Aug

Authors De Paepe K, Kerckhof FM, Verspreet J, Courtin CM, Van de Wiele T

Green synthesis of tea Ag nanocomposite hydrogels via mint leaf extraction for effective antibacterial activity.

**Journal of biomaterials science. Polymer edition** , Volume: 28 Issue: 14 2017 Oct

Authors Jayaramudu T, Varaprasad K, Raghavendra GM, Sadiku ER, Mohana Raju K, Amalraj J

Health benefit of vegetable/fruit juice-based diet: Role of microbiome

**Scientific Reports** , Volume: 7 2017 May 19

Authors Henning SM, Yang J, Shao P, Lee RP, Huang J, Ly A, Hsu M, Lu QY, Thames G, Heber D, Li Z

Salvia officinalis L. Essential Oils from Spain: Determination of Composition, Antioxidant Capacity, Antienzymatic, and Antimicrobial Bioactivities.

**Chemistry & biodiversity** , Volume: 14 Issue: 8 2017 Aug

Authors Cutillas AB, Carrasco A, Martinez-Gutierrez R, Tomas V, Tudela J

Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.

**Molecular medicine reports** , Volume: 15 Issue: 5 2017 May

Authors Xu JH, Liu XZ, Pan W, Zou DJ

The In Vitro and In Vivo Effect of Carvacrol in Preventing Campylobacter Infection, Colonization and in Improving Productivity of Chicken Broilers.

**Foodborne pathogens and disease** , Volume: 14 Issue: 6 2017 Jun

Authors Kelly C, Gundogdu O, Pircalabioru G, Cean A, Scates P, Linton M, Pinkerton L, Magowan E, Stef L, Simiz E, Pet I, Stewart S, Stabler R, Wren B, Dorrell N, Corcionivoschi N

Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.

**Frontiers in microbiology** , Volume: 8 2017

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

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

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

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

Evaluation of Phenolic Compounds and Antioxidant and Antimicrobial Activities of Some Common Herbs.**International journal of analytical chemistry** , Volume: 2017 2017

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

Effect of dietary polyphenol-rich grape seed on growth performance, antioxidant capacity and ileal microflora in broiler chicks.**Journal of animal physiology and animal nutrition** , Volume: 102 Issue: 1 2018 Feb

Authors Abu Hafsa SH,Ibrahim SA

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.**Gut** , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J

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

Characterization of faecal microbial communities of dairy cows fed diets containing ensiled Moringa oleifera fodder.**Scientific reports** , Volume: 7 2017 Jan 30

Authors Sun J,Zeng B,Chen Z,Yan S,Huang W,Sun B,He Q,Chen X,Chen T,Jiang Q,Xi Q,Zhang Y

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

Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.**Diabetes** , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM,Kim TT,Denou E,Soltys CM,Hamza SM,Byrne NJ,Masson G,Park H,Wishart DS,Madsen KL,Schertzer JD,Dyck JR

Breaking the resistance of Escherichia coli: Antimicrobial activity of Berberis lycium Royle.**Microbial pathogenesis** , Volume: 102 2017 Jan

Authors Malik TA,Kamili AN,Chishti MZ,Ahad S,Tantry MA,Hussain PR,Johri RK

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.**Journal of the science of food and agriculture** , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

Antibacterial in vitro effects of preparations from Anthroposophical Medicine.**BMC complementary and alternative medicine** , Volume: 16 Issue: 1 2016 Sep 22

Authors Roser E,Gründemann C,Engels I,Huber R

In vitro activity of plant extracts against biofilm-producing food-related bacteria.**International journal of food microbiology** , Volume: 238 2016 Dec 5

Authors Nostro A,Guerrini A,Marino A,Tacchini M,Di Giulio M,Grandini A,Akin M,Cellini L,Bisignano G,Saraçoğlu HT

Gut complex carbohydrates and intestinal microflora in broiler chickens fed with oregano (Origanum vulgare L.) aqueous extract and vitamin E.**Journal of animal physiology and animal nutrition** , Volume: 101 Issue: 4 2017 Aug

Authors Scocco P,Forte C,Franciosi MP,Mercati F,Casagrande-Proietti P,Dall'Aglia C,Acuti G,Tardella FM,Trabalza-Marinucci M

Consumption of a Bifidobacterium bifidum Strain for 4 Weeks Modulates Dominant Intestinal Bacterial Taxa and Fecal Butyrate in Healthy Adults.**Applied and environmental microbiology** , Volume: 82 Issue: 19 2016 Oct 1

Authors Gargari G,Taverniti V,Balzaretti S,Ferrario C,Gardana C,Simonetti P,Guglielmetti S

Antimicrobial effects of Lactobacillus plantarum and Lactobacillus acidophilus against multidrug-resistant enteroaggregative Escherichia coli.**International journal of antimicrobial agents** , Volume: 48 Issue: 3 2016 Sep

Authors Kumar M,Dhaka P,Vijay D,Vergis J,Mohan V,Kumar A,Kurkure NV,Barbuddhe SB,Malik SV,Rawool DB

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

Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with *Lactobacillus plantarum* ZDY2013.

**Journal of dairy science** , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

Significant pharmacokinetic differences of berberine are attributable to variations in gut microbiota between Africans and Chinese.

**Scientific reports** , Volume: 6 2016 Jun 10

Authors Alolga RN,Fan Y,Chen Z,Liu LW,Zhao YJ,Li J,Chen Y,Lai MD,Li P,Qi LW

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

Dietary supplementation of *Rosmarinus officinalis* L. leaves in sheep affects the abundance of rumen methanogens and other microbial populations.

**Journal of animal science and biotechnology** , Volume: 7 2016

Authors Cobellis G,Yu Z,Forte C,Acuti G,Trabalza-Marinucci M

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

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

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

In vitro extraction and fermentation of polyphenols from grape seeds (*Vitis vinifera*) by human intestinal microbiota.

**Food & function** , Volume: 7 Issue: 4 2016 Apr

Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X

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

*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

Efficacy of oral *Bifidobacterium bifidum* ATCC 29521 on microflora and antioxidant in mice.

**Canadian journal of microbiology** , Volume: 62 Issue: 3 2016 Mar

Authors Wang BG,Xu HB,Xu F,Zeng ZL,Wei H

Evaluation of probiotic properties of *Lactobacillus plantarum* WLPL04 isolated from human breast milk.

**Journal of dairy science** , Volume: 99 Issue: 3 2016 Mar

Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X

Antibacterial Activity of Probiotic *Lactobacillus plantarum* HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.

**Probiotics and antimicrobial proteins** , Volume: 5 Issue: 2 2013 Jun

Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K

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

*Lavandula angustifolia* Mill. Essential Oil Exerts Antibacterial and Anti-Inflammatory Effect in Macrophage Mediated Immune Response to *Staphylococcus aureus*.

**Immunological investigations** , Volume: 45 Issue: 1 2016

Authors Giovannini D,Gismondi A,Basso A,Canuti L,Braglia R,Canini A,Mariani F,Cappelli G

Fecal microbiome of growing pigs fed a cereal based diet including chicory (*Cichorium intybus* L.) or ribwort (*Plantago lanceolata* L.) forage.

**Journal of animal science and biotechnology** , Volume: 6 2015

Authors Dicksved J,Jansson JK,Lindberg JE

Effect of chito-oligosaccharides over human faecal microbiota during fermentation in batch cultures.

**Carbohydrate polymers** , Volume: 137 2016 Feb 10

Authors Mateos-Aparicio I,Mengibar M,Heras 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

Membrane filter method to study the effects of Lactobacillus acidophilus and Bifidobacterium longum on fecal microbiota.

**Microbiology and immunology** , Volume: 59 Issue: 11 2015 Nov

Authors Shimizu H,Benno Y

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

Antibacterial activity of Citrus limonum fruit juice extract.

**Pakistan journal of pharmaceutical sciences** , Volume: 28 Issue: 5 2015 Sep

Authors Okeke MI,Okoli AS,Eze EN,Ekwume GC,Okosa EU,Iroegbu CU

[Effect of probiotic product containing bifidobacteria and biogel from brown algae on the intestinal microflora and parameters of innate immunity in mice with experimental drug dysbacteriosis].

**Voprosy pitaniia** , Volume: 84 Issue: 1 2015

Authors Kuznetsova TA,Makarenkova ID,Koneva EL,Aminina NM,Yakush EV

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

Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats.

**Scientific reports** , Volume: 5 2015 Sep 23

Authors Zhang X,Zhao Y,Xu J,Xue Z,Zhang M,Pang X,Zhang X,Zhao L

Antibacterial activity of cinnamaldehyde and clove oil: effect on selected foodborne pathogens in model food systems and watermelon juice.

**Journal of food science and technology** , Volume: 52 Issue: 9 2015 Sep

Authors Siddiqua S,Anusha BA,Ashwini LS,Negi PS

Isoeugenol has a non-disruptive detergent-like mechanism of action.

**Frontiers in microbiology** , Volume: 6 2015

Authors Hyldgaard M,Mygind T,Piotrowska R,Foss M,Meyer RL

TLC-Direct Bioautography as a Bioassay Guided Method for Investigation of Antibacterial Compounds in Hypericum perforatum L.

**Journal of AOAC International** , Volume: 98 Issue: 4 2015 Jul-Aug

Authors Jesionek W,Móricz ÁM,Alberti Á,Ott PG,Kocsis B,Horváth G,Choma IM

In Vitro Activity of Epigallocatechin Gallate and Quercetin Alone and in Combination versus Clinical Isolates of Methicillin-Resistant Staphylococcus aureus.

**Journal of natural products** , Volume: 78 Issue: 8 2015 Aug 28

Authors Betts JW,Sharili AS,Phee LM,Wareham DW

Gelucire-Based Nanoparticles for Curcumin Targeting to Oral Mucosa: Preparation, Characterization, and Antimicrobial Activity Assessment.

**Journal of pharmaceutical sciences** , Volume: 104 Issue: 11 2015 Nov

Authors Hazzah HA,Farid RM,Nasra MMA,Hazzah WA,El-Massik MA,Abdallah OY

Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.

**Food & function** , Volume: 6 Issue: 8 2015 Aug

Authors Li Z,Henning SM,Lee RP,Lu QY,Summanen PH,Thames G,Corbett K,Downes J,Tseng CH,Finegold SM,Heber D

Wheat and barley differently affect porcine intestinal microbiota.

**Journal of the science of food and agriculture** , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

In 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

Antibacterial activity of herbal extracts against multi-drug resistant Escherichia coli recovered from retail chicken meat.

**Pakistan journal of pharmaceutical sciences** , Volume: 28 Issue: 4 2015 Jul

Authors Shaheen AY,Sheikh AA,Rabbani M,Aslam A,Bibi T,Liaqat F,Muhammad J,Rehmani SF

Antimicrobial Activity of Pomegranate and Green Tea Extract on Propionibacterium Acnes, Propionibacterium Granulosum, Staphylococcus Aureus and Staphylococcus Epidermidis.

**Journal of drugs in dermatology : JDD** , Volume: 14 Issue: 6 2015 Jun

Authors Li Z,Summanen PH,Downes J,Corbett K,Komoriya T,Henning SM,Kim J,Finegold SM

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

[Review article: dietary fibre-microbiota interactions.](#)

**Alimentary pharmacology & therapeutics , Volume: 42 Issue: 2 2015 Jul**

Authors Simpson HL,Campbell BJ

[Antimicrobial activity and chemical composition of the essential oils of Portuguese Foeniculum vulgare fruits.](#)

**Natural product communications , Volume: 10 Issue: 4 2015 Apr**

Authors Mota AS,Martins MR,Arantes S,Lopes VR,Bettencourt E,Pombal S,Gomes AC,Silva LA

[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

[Design of a papain immobilized antimicrobial food package with curcumin as a crosslinker.](#)

**PloS one , Volume: 10 Issue: 4 2015**

Authors Manohar CM,Prabhawathi V,Sivakumar PM,Doble 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 in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.](#)

**Food chemistry , Volume: 183 2015 Sep 15**

Authors Sánchez-Patán F,Barroso E,van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta MC,Peláez C,Requena T,Bartolomé B

[Effects of sub-lethal concentrations of thyme and oregano essential oils, carvacrol, thymol, citral and trans-2-hexenal on membrane fatty acid composition and volatile molecule profile of Listeria monocytogenes, Escherichia coli and Salmonella enteritidis.](#)

**Food chemistry , Volume: 182 2015 Sep 1**

Authors Siroli L,Patrighani F,Gardini F,Lanciotti R

[Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.](#)

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

Authors Akdemir Evrendilek G

[Cocktails of probiotics pre-adapted to multiple stress factors are more robust under simulated gastrointestinal conditions than their parental counterparts and exhibit enhanced antagonistic capabilities against Escherichia coli and Staphylococcus aureus.](#)

**Gut pathogens , Volume: 7 2015**

Authors Mathipa MG,Thantsha MS

[Ascorbic acid-dependent gene expression in Streptococcus pneumoniae and the activator function of the transcriptional regulator UlaR2.](#)

**Frontiers in microbiology , Volume: 6 2015**

Authors Afzal M,Shafeeq S,Kuipers OP

[Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.](#)

**Nutrients , Volume: 7 Issue: 2 2015 Feb 16**

Authors Sheflin AM,Borresen EC,Wdowik MJ,Rao S,Brown RJ,Heuberger AL,Broeckling CD,Weir TL,Ryan EP

[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

[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

[Bioanalytical evaluation of Cinnamomum zeylanicum essential oil.](#)

**Natural product research , Volume: 29 Issue: 19 2015**

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

[Nature of the antimicrobial activity of Lactobacillus casei, Bifidobacterium bifidum and Bifidobacterium animalis against foodborne pathogenic and spoilage microorganisms.](#)

**Natural product research , Volume: 29 Issue: 22 2015**

Authors de Oliveira CP,da Silva JA,de Siqueira-Júnior JP

In-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

[Determination of the antimicrobial capacity of green tea (Camellia sinensis) against the potentially pathogenic microorganisms Escherichia coli, Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Candida albicans and Aspergillus niger].

**Archivos latinoamericanos de nutricion , Volume: 63 Issue: 3 2013 Sep**

Authors Mora A,Pawa J,Chaverri JM,Arias ML

Antibacterial activity of bark extracts of Moringa oleifera Lam. against some selected bacteria.

**Pakistan journal of pharmaceutical sciences , Volume: 27 Issue: 6 2014 Nov**

Authors Zaffer M,Ahmad S,Sharma R,Mahajan S,Gupta A,Agnihotri RK

Assessment of Bioautography and Spot Screening of TLC of Green Tea (Camellia) Plant Extracts as Antibacterial and Antioxidant Agents

**Indian Journal of Pharmaceutical Sciences , Volume: 76 Issue: 4 2014 Jul-Aug**

Authors Bashir S,Khan BM,Babar M,Andleeb S,Hafeez M,Ali S,Khan MF

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

Chemical composition and antibacterial activity of Lavandula coronopifolia essential oil against antibiotic-resistant bacteria.

**Natural product research , Volume: 29 Issue: 6 2015**

Authors Ait Said L,Zahlane K,Ghalbane I,El Messoussi S,Romane A,Cavaleiro C,Salgueiro L

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

**Anaerobe , Volume: 30 2014 Dec**

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

Antioxidant, antimicrobial and phytochemical variations in thirteen Moringa oleifera Lam. cultivars.

**Molecules (Basel, Switzerland) , Volume: 19 Issue: 7 2014 Jul 18**

Authors Ndhlala AR,Mulaudzi R,Ncube B,Abdelgadir HA,du Plooy CP,Van Staden J

Free-radical scavenging activity and antibacterial impact of Greek oregano isolates obtained by SFE.

**Food chemistry , Volume: 165 2014 Dec 15**

Authors Stamenic M,Vulic J,Djilas S,Misic D,Tadic V,Petrovic S,Zizovic I

The antimicrobial effects of Citrus limonum and Citrus aurantium essential oils on multi-species biofilms.

**Brazilian oral research , Volume: 28 2014**

Authors Oliveira SA,Zambrana JR,Iorio FB,Pereira CA,Jorge AO

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

Membrane disruption and anti-quorum sensing effects of synergistic interaction between Lavandula angustifolia (lavender oil) in combination with antibiotic against plasmid-conferred multi-drug-resistant Escherichia coli.

**Journal of applied microbiology , Volume: 116 Issue: 5 2014 May**

Authors Yap PS,Krishnan T,Yiap BC,Hu CP,Chan KG,Lim SH

Synergetic antimicrobial effects of mixtures of ethiopian honeys and ginger powder extracts on standard and resistant clinical bacteria isolates.

**Evidence-based complementary and alternative medicine : eCAM , Volume: 2014 2014**

Authors Ewnetu Y,Lemma W,Birhane N

Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.

**Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug**

Authors Barroso E,Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez

C,Martínez-Cuesta MC,Requena T

A rosemary extract rich in camosic acid selectively modulates caecum microbiota and inhibits  $\beta$ -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

The natural antimicrobial carvacrol inhibits quorum sensing in *Chromobacterium violaceum* and reduces bacterial biofilm formation at sub-lethal concentrations.

**PloS one** , Volume: 9 Issue: 4 2014

Authors Burt SA,Ojo-Fakunle VT,Woertman J,Veldhuizen EJ

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

Antibacterial effect of Iranian green-tea-containing mouthrinse vs chlorhexidine 0.2%: an in vitro study.

**Oral health & preventive dentistry** , Volume: 12 Issue: 2 2014

Authors Ardakani MR,Golmohammadi S,Ayremilou S,Taheri S,Daneshvar S,Meimandi M

Evaluation of antibacterial activity of crude protein extracts from seeds of six different medical plants against standard bacterial strains.

**Saudi journal of biological sciences** , Volume: 21 Issue: 2 2014 Apr

Authors Al Akeel R,Al-Sheikh Y,Mateen A,Syed R,Janardhan K,Gupta VC

RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.

**Applied and environmental microbiology** , Volume: 80 Issue: 7 2014 Apr

Authors Tannock GW,Lawley B,Munro K,Sims IM,Lee J,Butts CA,Roy N

Seasonal variations of antimicrobial activity and chemical composition of essential oils extracted from three *Citrus limon* L. *Burm. cultivars*.

**Natural product research** , Volume: 28 Issue: 6 2014

Authors Settanni L,Randazzo W,Palazzolo E,Moschetti M,Aleo A,Guarrasi V,Mammaia C,San Biagio PL,Marra FP,Moschetti G,Germanà MA

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

Chicory (*Cichorium intybus* L.) and cereals differently affect gut development in broiler chickens and young pigs.

**Journal of animal science and biotechnology** , Volume: 4 Issue: 1 2013 Dec 17

Authors Liu H,Ivarsson E,Lundh T,Lindberg JE

Assessment of berberine as a multi-target antimicrobial: a multi-omics study for drug discovery and repositioning.

**Omics : a journal of integrative biology** , Volume: 18 Issue: 1 2014 Jan

Authors Karaosmanoglu K,Sayar NA,Kurnaz IA,Akbulut BS

Influence of carvacrol and thymol on the physiological attributes, enterotoxin production and surface characteristics of *Staphylococcus aureus* strains isolated from foods.

**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology]** , Volume: 44 Issue: 1 2013

Authors Souza EL,Oliveira CE,Stamford TL,Conceição ML,Neto NJ

Role of probiotics in the prevention and treatment of methicillin-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,Petricovic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I

Antimicrobial activity of essential oils against vancomycin-resistant enterococci (vre) and Escherichia coli o157:h7 in feta soft cheese and minced beef meat.

**Brazilian journal of microbiology** : [publication of the Brazilian Society for Microbiology] , Volume: 42 Issue: 1 2011 Jan

Authors Selim S

Chemical composition and biological activity of the essential oil from leaves of Moringa oleifera Lam. cultivated in Mozambique.

**Molecules (Basel, Switzerland)** , Volume: 18 Issue: 9 2013 Sep 9

Authors Marrufo T, Nazzaro F, Mancini E, Fratianni F, Coppola R, De Martino L, Agostinho AB, De Feo V

Functional ginger extracts from supercritical fluid carbon dioxide extraction via in vitro and in vivo assays: antioxidation, antimicroorganism, and mice xenografts models.

**TheScientificWorldJournal** , Volume: 2013 2013

Authors Lee CC, Chiou LY, Wang JY, Chou SY, Lan JC, Huang TS, Huang KC, Wang HM

Antimicrobial activity of green tea extract against isolates of methicillin-resistant Staphylococcus aureus and multi-drug resistant Pseudomonas aeruginosa.

**Asian Pacific journal of tropical biomedicine** , Volume: 3 Issue: 8 2013 Aug

Authors Radji M, Agustama RA, Elya B, Tjampakasari CR

Green tea as an effective antimicrobial for urinary tract infections caused by Escherichia coli.

**Frontiers in microbiology** , Volume: 4 2013

Authors Reygaert W, Jusufi I

Antibacterial activity of selected Malaysian honey.

**BMC complementary and alternative medicine** , Volume: 13 2013 Jun 10

Authors Zainol MI, Mohd Yusoff K, Mohd Yusof MY

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

Phytochemical Screening and Antimicrobial Activity of Some Medicinal Plants Against Multi-drug Resistant Bacteria from Clinical Isolates.

**Indian journal of pharmaceutical sciences** , Volume: 74 Issue: 5 2012 Sep

Authors Dahiya P, Purkayastha S

Effects of vanillin, quillaja saponin, and essential oils on in vitro fermentation and protein-degrading microorganisms of the rumen.

**Applied microbiology and biotechnology** , Volume: 98 Issue: 2 2014 Jan

Authors Patra AK, Yu Z

Potential antibacterial activity of berberine against multi drug resistant enterovirulent Escherichia coli isolated from yaks (Poephagus grunniens) with haemorrhagic diarrhoea.

**Asian Pacific journal of tropical medicine** , Volume: 6 Issue: 4 2013 Apr 13

Authors Bandyopadhyay S, Patra PH, Mahanti A, Mondal DK, Dandapat P, Bandyopadhyay S, Samanta I, Lodh C, Bera AK, Bhattacharyya D, Sarkar M, Baruah KK

Antibacterial activity and mode of action of ferulic and gallic acids against pathogenic bacteria.

**Microbial drug resistance (Larchmont, N.Y.)** , Volume: 19 Issue: 4 2013 Aug

Authors Borges A, Ferreira C, Saavedra MJ, Simões M

Decontamination of Salmonella, Shigella, and Escherichia coli O157:H7 from leafy green vegetables using edible plant extracts.

**Journal of food science** , Volume: 78 Issue: 2 2013 Feb

Authors Orue N, García S, Feng P, Heredia N

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-Cimerman N

In vitro antimicrobial assessment of Cuban propolis extracts.

**Memorias do Instituto Oswaldo Cruz** , Volume: 107 Issue: 8 2012 Dec

Authors Monzote L, Cuesta-Rubio O, Campo Fernandez M, Márquez Hernandez I, Fraga J, Pérez K, Kerstens M, Maes L, Cos P

AFM probing the mechanism of synergistic effects of the green tea polyphenol (-)-epigallocatechin-3-gallate (EGCG) with cefotaxime against extended-spectrum beta-lactamase (ESBL)-producing Escherichia coli.

**PLoS one** , Volume: 7 Issue: 11 2012

Authors Cui Y, Kim SH, Kim H, Yeom J, Ko K, Park W, Park S

Synergistic effects of honey and propolis toward drug multi-resistant Staphylococcus aureus, Escherichia coli and Candida albicans isolates in single and polymicrobial cultures.

**International journal of medical sciences** , Volume: 9 Issue: 9 2012

Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K

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

Vitamin C inhibits staphylococcus aureus growth and enhances the inhibitory effect of quercetin on growth of Escherichia coli in vitro.

**Planta medica** , Volume: 78 Issue: 17 2012 Nov

Authors Kallio J,Jaakkola M,Mäki M,Kilpeläinen P,Virtanen V

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,Hliferl M,Jirovetz L,Buchbauer G,Gochev V,Girova T,Stoyanova A,Geissler M

Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.

**PloS one** , Volume: 7 Issue: 8 2012

Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L

Effect of berberine on Escherichia coli, Bacillus subtilis, and their mixtures as determined by isothermal microcalorimetry.

**Applied microbiology and biotechnology** , Volume: 96 Issue: 2 2012 Oct

Authors Kong WJ,Xing XY,Xiao XH,Zhao YL,Wei JH,Wang JB,Yang RC,Yang MH

Two novel bioactive glucosinolates from Broccoli (Brassica oleracea L. var. italica) florets.

**Bioorganic & medicinal chemistry letters** , Volume: 22 Issue: 17 2012 Sep 1

Authors Suray NS,Kumar B,Jang M,Yoon DY,Jung YS,Yang DC,Park SW

Report: Studies on antibacterial activity of some traditional medicinal plants used in folk medicine.

**Pakistan journal of pharmaceutical sciences** , Volume: 25 Issue: 3 2012 Jul

Authors Israr F,Hassan F,Naqvi BS,Azhar I,Jabeen S,Hasan SM

Thymol nanospheres as an effective anti-bacterial agent.

**International journal of pharmaceutics** , Volume: 434 Issue: 1-2 2012 Sep 15

Authors Wattanasatcha A,Rengpipat S,Wanichwecharungruang S

Synthesis and evaluation of antimicrobial activity of 4H-pyrimido[2,1-b]benzothiazole, pyrazole and benzylidene derivatives of curcumin.

**European journal of medicinal chemistry** , Volume: 54 2012 Aug

Authors Sahu PK,Sahu PK,Gupta SK,Thavaselvam D,Agarwal DD

Modulation of the norfloxacin resistance in Staphylococcus aureus by Croton campestris A. and Ocimum gratissimum L.

**Biomedica : revista del Instituto Nacional de Salud** , Volume: 31 Issue: 4 2011 Oct-Dec

Authors Coutinho HD,Matias EF,Santos KK,Santos FA,Morais-Braga MF,Souza TM,Andrade JC,Souza CE,Tintino SR,Guedes GM,Falcão-Silva VS,Siqueira-Júnior JP,Costa JG

Antagonistic Action of Lactobacilli and Bifidobacteria in Relation to Staphylococcus aureus and Their Influence on the Immune Response in Cases of Intravaginal Staphylococcosis in Mice.

**Probiotics and antimicrobial proteins** , Volume: 4 Issue: 2 2012 Jun

Authors Lazarenko L,Babenko L,Sichel LS,Pidgorskyi V,Mokrozub V,Voronkova O,Spivak M

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

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

Antimicrobial action of the leaf extract of moringa oleifera lam.

**Ancient science of life** , Volume: 14 Issue: 3 1995 Jan

Authors Pal SK,Mukherjee PK,Saha K,Pal M,Saha BP

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

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

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

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

Synthesis and characterization of chitosan and grape polyphenols stabilized palladium nanoparticles and their antibacterial activity.

**Colloids and surfaces. B, Biointerfaces , Volume: 92 2012 Apr 1**

Authors Amarnath K,Kumar J,Reddy T,Mahesh V,Ayyappan SR,Nellore J

Antioxidant and antibacterial properties of green, black, and herbal teas of Camellia sinensis.

**Pharmacognosy research , Volume: 3 Issue: 4 2011 Oct**

Authors Chan EW,Soh EY,Tie PP,Law YP

The antimicrobial activity of essential oils and extracts of some medicinal plants grown in Ash-shoubak region - South of Jordan.

**Pakistan journal of pharmaceutical sciences , Volume: 25 Issue: 1 2012 Jan**

Authors Abu-Darwish MS,Al-Ramamneh EA,Kyslychenko VS,Karpiuk UV

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

Antibacterial activity in spices and local medicinal plants against clinical isolates of Karachi, Pakistan.

**Pharmaceutical biology , Volume: 49 Issue: 8 2011 Aug**

Authors Ali NH,Faizi S,Kazmi SU

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

**Pharmaceutical biology , Volume: 49 Issue: 4 2011 Apr**

Authors Özçelik B,Kartal M,Orhan I

Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.

**Poultry science , Volume: 90 Issue: 3 2011 Mar**

Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A

Goldenseal (Hydrastis canadensis L.) extracts synergistically enhance the antibacterial activity of berberine via efflux pump inhibition.

**Planta medica , Volume: 77 Issue: 8 2011 May**

Authors Etefagh KA,Burns JT,Junio HA,Kaatz GW,Cech NB

Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.

**Molecules (Basel, Switzerland) , Volume: 15 Issue: 11 2010 Oct 27**

Authors Sokovic M,Glamoclija J,Marin PD,Brkic D,van Griensven LJ

Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.

**Food microbiology , Volume: 27 Issue: 7 2010 Oct**

Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P

In vitro antimicrobial activity and chemical composition of the essential oil of Foeniculum vulgare Mill.

**Revista medico-chirurgicala a Societatii de Medici si Naturalisti din Iasi , Volume: 112 Issue: 3 2008 Jul-Sep**

Authors Aprotosoiaie AC,Hancianu M,Poata A,Tuchilus C,Spac A,Cioana O,Gille E,Stanescu U

Effect of ethnomedicinal plants used in folklore medicine in Jordan as antibiotic resistant inhibitors on Escherichia coli.

**BMC complementary and alternative medicine , Volume: 10 2010 Feb 28**

Authors Darwish RM,Aburjai TA

Chemistry, antioxidant, antibacterial and antifungal activities of volatile oils and their components.

**Natural product communications , Volume: 4 Issue: 12 2009 Dec**

Authors De Martino L,De Feo V,Fratianni F,Nazzaro F

Antimicrobial properties of green tea catechins.

**Food science and technology bulletin , Volume: 2 2005**

Authors Taylor PW,Hamilton-Miller JM,Stapleton PD

Justification for the use of Ocimum gratissimum L in herbal medicine and its interaction with disc antibiotics.

**BMC complementary and alternative medicine , Volume: 9 2009 Sep 28**

**Authors Nweze EI,Eze EE**

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**

Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.

**Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug**

**Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG**

A study of chemical composition and antimicrobial activity of Bulgarian propolis.

**Folia medica , Volume: 49 Issue: 3-4 2007**

**Authors Gardjeva PA,Dimitrova SZ,Kostadinov ID,Murdjeva MA,Peyche LP,Lukanov LK,Stanimirova IV,Alexandrov AS**

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**

Antibacterial effect of five Zingiberaceae essential oils.

**Molecules (Basel, Switzerland) , Volume: 12 Issue: 8 2007 Aug 23**

**Authors Norajit K,Laohakunjit N,Kerdchoechuen O**

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,Battle R,Nerín C**

Jerusalem artichoke and chicory inulin in bakery products affect faecal microbiota of healthy volunteers.

**The British journal of nutrition , Volume: 98 Issue: 3 2007 Sep**

**Authors Kleessen B,Schwarz S,Boehm A,Fuhrmann H,Richter A,Henle T,Krueger M**

Comparison of essential oils from three plants for enhancement of antimicrobial activity of nitrofurantoin against enterobacteria.

**Chemotherapy , Volume: 53 Issue: 1 2007**

**Authors Rafii F,Shahverdi AR**

Effect of chitosan on the growth of human colonic bacteria.

**Folia microbiologica , Volume: 51 Issue: 4 2006**

**Authors Simunek J,Tishchenko G,Hodrová B,Bartonová H**

[Antibacterial action of ether oils of some plants].

**Zhurnal mikrobiologii, epidemiologii i immunobiologii , Issue: 3 2006 May-Jun**

**Authors Khaldun AO**

Bioassay-guided purification and identification of antimicrobial components in Chinese green tea extract.

**Journal of chromatography. A , Volume: 1125 Issue: 2 2006 Sep 1**

**Authors Si W,Gong J,Tsao R,Kalab M,Yang R,Yin Y**

Antagonistic activity of probiotic lactobacilli and bifidobacteria against entero- and uropathogens.

**Journal of applied microbiology , Volume: 100 Issue: 6 2006 Jun**

**Authors Hütt P,Shchepetova J,Löivukene K,Kullisaar T,Mikelsaar M**

Antimicrobial and antiplasmid activities of essential oils.

**Fitoterapia , Volume: 77 Issue: 4 2006 Jun**

**Authors Schelz Z,Molnar J,Hohmann J**

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

Synergistic antimicrobial activity of tea & antibiotics.

**The Indian journal of medical research** , Volume: 122 Issue: 1 2005 Jul

Authors Tiwari TP,Bharti SK,Kaur HD,Dikshit RP,Hoondal GS

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

Chemical compositions and antimicrobial activities of four different Anatolian propolis samples.

**Microbiological research** , Volume: 160 Issue: 2 2005

Authors Uzel A,Sorkun K,Onçag O,Cogulu D,Gençay O,Salih B

Chemical composition and antibacterial activity of propolis collected by three different races of honeybees in the same region.

**Journal of ethnopharmacology** , Volume: 99 Issue: 1 2005 May 13

Authors Silici S,Kutluca S

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 Postoienco VO,Senchuhova NA,Postoienco OM,Patyka VP

Screening of crude extracts of six medicinal plants used in South-West Nigerian unorthodox medicine for anti-methicillin resistant Staphylococcus aureus activity.

**BMC complementary and alternative medicine** , Volume: 5 2005 Mar 11

Authors Akinyemi KO,Oladapo O,Okwara CE,Ibe CC,Fasure KA

Chemical compositions and antibacterial effects of essential oils of Turkish oregano (Origanum minutiflorum), bay laurel (Laurus nobilis), Spanish lavender (Lavandula stoechas L.), and fennel (Foeniculum vulgare) on common foodborne pathogens.

**Journal of agricultural and food chemistry** , Volume: 52 Issue: 26 2004 Dec 29

Authors Dadalioglu I,Evrendilek GA

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

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

Contribution of acetate to butyrate formation by human faecal bacteria.

**The British journal of nutrition** , Volume: 91 Issue: 6 2004 Jun

Authors Duncan SH,Holtrop G,Lobley GE,Calder AG,Stewart CS,Flint HJ

[Antibacterial activity of essential oils on microorganisms isolated from urinary tract infection].

**Revista de saude publica** , Volume: 38 Issue: 2 2004 Apr

Authors Pereira RS,Sumita TC,Furlan MR,Jorge AO,Ueno M

Antimicrobial activity of extracts of local cough mixtures on upper respiratory tract bacterial pathogens.

**The West Indian medical journal** , Volume: 52 Issue: 3 2003 Sep

Authors Adeleye IA,Opiah L

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

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

Antimicrobial activity of berberine—a constituent of Mahonia aquifolium.

**Folia microbiologica** , Volume: 47 Issue: 4 2002

Authors Cernáková M, Kostálová D

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

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

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

Screening of the antibacterial effects of a variety of essential oils on respiratory tract pathogens, using a modified dilution assay method.

**Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy** , Volume: 7 Issue: 4 2001 Dec

Authors Inoue S, Yamaguchi H, Takizawa T

Inhibition by the essential oils of peppermint and spearmint of the growth of pathogenic bacteria.

**Microbios** , Volume: 106 Suppl 1 2001

Authors Imai H, Osawa K, Yasuda H, Hamashima H, Arai T, Sasatsu M

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

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 Sforzin JM, Fernandes A Jr, Lopes CA, Bankova V, Funari SR

5-Methoxyhydnocarpin-D and pheophorbide A: Berberis species components that potentiate berberine growth inhibition of resistant Staphylococcus aureus.

**Journal of natural products** , Volume: 63 Issue: 8 2000 Aug

Authors Stermitz FR, Tawara-Matsuda J, Lorenz P, Mueller P, Zenewicz L, Lewis K

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 Ocimum gratissimum L. essential oil.

**Memorias do Instituto Oswaldo Cruz** , Volume: 94 Issue: 5 1999 Sep-Oct

Authors Nakamura CV, Ueda-Nakamura T, Bando E, Melo AF, Cortez DA, Dias Filho BP

Antimicrobial activity of essential oils and other plant extracts.

**Journal of applied microbiology** , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA, Carson CF, Riley TV

Bromelain prevents secretion caused by Vibrio cholerae and Escherichia coli enterotoxins in rabbit ileum in vitro.

**Gastroenterology** , Volume: 113 Issue: 1 1997 Jul

Authors Mynott TL, Guandalini S, Raimondi F, Fasano A

Antidiarrhoeal activities of Ocimum gratissimum (Lamiaceae).

**Journal of diarrhoeal diseases research** , Volume: 14 Issue: 4 1996 Dec

Authors Ilori M, Sheteolu AO, Omonigbehin EA, Adeneye AA

Antimicrobial evaluation of some plants used in Mexican traditional medicine for the treatment of infectious diseases.

**Journal of ethnopharmacology** , Volume: 53 Issue: 3 1996 Sep

Authors Navarro V, Villarreal ML, Rojas G, Lozoya X

Antimicrobial and antioxidant activities of unripe papaya.

**Life sciences** , Volume: 53 Issue: 17 1993

Authors Osato JA, Santiago LA, Remo GM, Cuadra MS, Mori A

Comparison of utilization of pectins from various sources by pure cultures of pectinolytic rumen bacteria and mixed cultures of rumen microorganisms.

**Acta microbiologica Polonica** , Volume: 43 Issue: 1 1994

*Authors Kasperowicz A*

[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*

[Antibacterial and bactericidal activities of Japanese green tea].

**Nihon saikingaku zasshi. Japanese journal of bacteriology , Volume: 44 Issue: 4 1989 Jul**

*Authors Toda M,Okubo S,Ohnishi R,Shimamura T*

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*

Fermentation of mucins and plant polysaccharides by anaerobic bacteria from the human colon.

**Applied and environmental microbiology , Volume: 34 Issue: 5 1977 Nov**

*Authors Salyers AA,West SE,Vercellotti JR,Wilkins TD*

[Selective effect of propolis in the isolation of Listeria monocytogenes (author's transl)].

**Nordisk veterinaermedicin , Volume: 29 Issue: 10 1977 Oct**

*Authors Aspoy E*

Additional sources and private correspondance

**Private Correspondance , Volume: 1 Issue: 2018**

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

**The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1**

*Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku*

Curated database of commensal, symbiotic and pathogenic microbiota

**Generative Bioinformatics , Volume: Issue: 2014 Jun**

*Authors D'Adamo Peter*

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

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Biofilm

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)

Carcinoma

cdkl5 deficiency disorder

Celiac Disease  
Cerebral Palsy  
Chronic Fatigue Syndrome  
Chronic Kidney Disease  
Chronic Lyme  
Chronic Obstructive Pulmonary Disease (COPD)  
Chronic Urticaria (Hives)  
Coagulation / Micro clot triggering bacteria  
Cognitive Function  
Colorectal Cancer  
Constipation  
Coronary artery disease  
COVID-19  
Crohn's Disease  
Cushing's Syndrome (hypercortisolism)  
cystic fibrosis  
d-lactic acidosis (one form of brain fog)  
deep vein thrombosis  
Denture Wearers Oral Shifts  
Depression  
Dermatomyositis  
Eczema  
Endometriosis  
Eosinophilic Esophagitis  
Epilepsy  
erectile dysfunction  
Fibromyalgia  
Food Allergy  
Functional constipation / chronic idiopathic constipation  
gallstone disease (gsd)  
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus  
Generalized anxiety disorder  
giant cell arteritis  
Glioblastoma  
Gout  
Graves' disease  
Gulf War Syndrome  
Halitosis  
Hashimoto's thyroiditis  
Heart Failure  
hemorrhagic stroke  
Hemorrhoidal disease, Hemorrhoids, Piles  
Hidradenitis Suppurativa  
High Histamine/low DAO  
hypercholesterolemia (High Cholesterol)  
hyperglycemia  
Hyperlipidemia (High Blood Fats)  
hypersomnia  
hypertension (High Blood Pressure)  
Hypothyroidism  
Hypoxia  
IgA nephropathy (IgAN)  
Inflammatory Bowel Disease  
Insomnia  
Intelligence  
Intracranial aneurysms  
Irritable Bowel Syndrome  
ischemic stroke

Juvenile idiopathic arthritis  
Liver Cirrhosis  
liver fibrosis  
Long COVID  
Low bone mineral density  
Lung Cancer  
Lymphoma  
Mast Cell Issues / mastitis  
ME/CFS with IBS  
ME/CFS without IBS  
membranous nephropathy  
Menopause  
Metabolic Syndrome  
Mood Disorders  
multiple chemical sensitivity [MCS]  
Multiple Sclerosis  
Multiple system atrophy (MSA)  
myasthenia gravis  
neuropathic pain  
Neuropathy (all types)  
neuropsychiatric disorders (PANDAS, PANS)  
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic  
NonCeliac Gluten Sensitivity  
Obesity  
obsessive-compulsive disorder  
Osteoarthritis  
Osteoporosis  
pancreatic cancer  
Parkinson's Disease  
Peanut Allergy  
Polycystic ovary syndrome  
Postural orthostatic tachycardia syndrome  
Premenstrual dysphoric disorder  
primary biliary cholangitis  
Primary sclerosing cholangitis  
Psoriasis  
rheumatoid arthritis (RA),Spondyloarthritis (SpA)  
Rosacea  
Schizophrenia  
scoliosis  
sensorineural hearing loss  
Sjögren syndrome  
Sleep Apnea  
Slow gastric motility / Gastroparesis  
Small Intestinal Bacterial Overgrowth (SIBO)  
Stress / posttraumatic stress disorder  
Systemic Lupus Erythematosus  
Tic Disorder  
Tourette syndrome  
Type 1 Diabetes  
Type 2 Diabetes  
Ulcerative colitis  
Unhealthy Ageing  
Vitiligo