

## Microbiome Information for: Epilepsy

### 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 believed to reduce the severity of symptoms. In some cases, this correction may cause symptoms to disappear.

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

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

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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

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## Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Epilepsy

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

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Betaproteobacteria	class	Low	28216	Lactobacillus	genus	Low	1578
Fusobacteriia	class	High	203490	Lautropia	genus	High	47670
Lachnospiraceae	family	High	186803	Leptotrichia	genus	High	32067
Rikenellaceae	family	High	171550	Megamonas	genus	High	158846
Veillonellaceae	family	High	31977	Megasphaera	genus	High	906
Actinomyces	genus	High	1654	Neisseria	genus	High	482
Akkermansia	genus	High	239934	Niabella	genus	Low	379899
Alistipes	genus	High	239759	Parabacteroides	genus	Low	375288
Anaerostipes	genus	High	207244	Prevotella	genus	Low	838
Anoxybacillus	genus	Low	150247	Romboutsia	genus	High	1501226
Bacteroides	genus	High	816	Ruminiclostridium	genus	High	1508657
Barnesiella	genus	High	397864	Salmonella	genus	High	590
Bifidobacterium	genus	High	1678	Shigella	genus	High	620
Brevundimonas	genus	Low	41275	Streptococcus	genus	High	1301
Campylobacter	genus	High	194	Subdoligranulum	genus	High	292632
Collinsella	genus	High	102106	Sutterella	genus	High	40544
Coriobacterium	genus	High	33870	Burkholderiales	order	Low	80840
Cronobacter	genus	High	413496	Eubacteriales	order	High	186802
Devosia	genus	Low	46913	Akkermansia muciniphila	species	Low	239935
Enterococcus	genus	High	1350	Alistipes shahii	species	High	328814
Erysipelatoclostridium	genus	High	1505663	Bacteroides fragilis	species	High	817
Escherichia	genus	High	561	Christensenella minuta	species	High	626937
Faecalibacterium	genus	Low	216851	Clostridium perfringens	species	High	1502
Flavihumibacter	genus	Low	1004301	Escherichia coli	species	High	562
Fusobacterium	genus	High	848	Faecalibacterium prausnitzii	species	High	853
Haemophilus	genus	High	724	Fusobacterium mortiferum	species	High	850
Hungatella	genus	High	1649459	Parabacteroides merdae	species	Low	46503
				Streptococcus pneumoniae	species	High	1313

## 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

Abstention from eating {Fasting}

$\beta$ -glucan {Beta-Glucan} 500 mg/day

## Retail Probiotics

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

nature's way (au) / restore probiotic 30 billion 30s  
nature's way (au) / restore probiotic daily health 90s  
jarrow formulas / bifidus balance® + fos  
naturopathica (au) / gastrohealth fibrepro  
blackmore (au) / probiotics+ eczema relief

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.

2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4H-chromen-4-one

{Luteolin}

3,3',4',5,7-pentahydroxyflavone {Quercetin}

allium sativum {garlic}

Azadirachta indica {Neem}

bifidobacterium bifidum {B. bifidum}

Cinnamomum zeylanicum {Ceylon Cinnamon}

D(-)-Fructose {Fruit sugar}

Diferuloylmethane {Curcumin}

enterococcus faecium {E. faecium}

Lacticaseibacillus casei {L. casei}

Lacticaseibacillus paracasei {L.paracasei}

Lactobacillus plantarum {L. plantarum}

Lavandula angustifolia {lavender}

Limosilactobacillus reuteri {L. Reuteri}

Menta × piperita {peppermint}

Metha family {Mint}

Ocimum gratissimum {Clove basil}

origanum vulgare {oregano}

Panax ... {Ginseng}

Pimpinella anisum {Anise}

Probiotic Mixture 1 {Japanese Vet Probiotic}

Probiotic Mixture 2 {Vetafarm Probiotic}

Propolis {Bee glue}

rosmarinus officinalis {rosemary}

β(1?4)-linked D-glucosamine and N-acetyl-D-glucosamine {Chitosan}

syzygium aromaticum {clove}

Thymus vulgaris {thyme}

yogurt

Zingiber officinale Roscoe {ginger}

## Sample of Literature Used

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

Idiopathic epilepsy in dogs is associated with dysbiotic faecal microbiota.

**Animal microbiome , Volume: 7 Issue: 1 2025 Mar 27**

Authors Silvestrino M,Pirolo M,Bianco A,Castellana S,Del Sambro L,Tarallo VD,Guardabassi L,Zatelli A,Gernone F

Medication-resistant epilepsy is associated with a unique gut microbiota signature.

**Epilepsia , 2025 Mar 22**

Authors Riva A,Sahin E,Volpedo G,Catania NT,Venara I,Biagioli V,Balagura G,Amadori E,De Caro C,Cerulli Irelli E,Di Bonaventura C,Zara F,Sezerman OU,Russo E,Striano P

The comparison of gut microbiota between different types of epilepsy in children.

**Microbial cell factories , Volume: 24 Issue: 1 2025 Mar 14**

Authors Fang S,Hu N,Zhou C,You J,Wu L,Pan X,Xiao Z,Qiu J

Changes in gut flora in patients with epilepsy: a systematic review and meta-analysis.

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

Authors He X,Zhang Y

Association between seizure reduction during ketogenic diet treatment of epilepsy and changes in circulatory metabolites and gut microbiota composition.

**EBioMedicine , Volume: 109 2024 Nov**

Authors Dahlin M,Wheelock CE,Prast-Nielsen S

A meta-analysis of the changes in the Gut microbiota in patients with intractable epilepsy compared to healthy controls.

**Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia , Volume: 120 2024 Feb**

Authors Yang R,Liu J,Diao L,Wei L,Luo H,Cai L

Can the Gut Microbiota Serve as a Guide to the Diagnosis and Treatment of Childhood Epilepsy?

**Pediatric neurology , Volume: 145 2023 Aug**

Authors Türay S,Cangür S,Kahraman G,Kayabasi E,Çetiner ÖF,Aydin B,Öztürk CE

Altered intestinal microbiota composition with epilepsy and concomitant diarrhea and potential indicator biomarkers in infants.

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

Authors Liu T,Jia F,Guo Y,Wang Q,Zhang X,Chang F,Xie Y

Correlations between gastrointestinal and oral microbiota in children with cerebral palsy and epilepsy.

**Frontiers in pediatrics , Volume: 10 2022**

Authors Huang C,Chu C,Peng Y,Zhang N,Yang Z,You J,Wei F

Genetically proxied gut microbiota, gut metabolites with risk of epilepsy and the subtypes: A bi-directional Mendelian randomization study.

**Frontiers in molecular neuroscience , Volume: 15 2022**

Authors Ouyang Y,Chen Y,Wang G,Song Y,Zhao H,Xiao B,Yang Z,Long L

Changes and significance of gut microbiota in children with focal epilepsy before and after treatment.

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

Authors Zhou C,Gong S,Xiang S,Liang L,Hu X,Huang R,Liao Z,Ma Y,Xiao Z,Qiu J

Higher levels of Bifidobacteria and tumor necrosis factor in children with drug-resistant epilepsy are associated with anti-seizure response to the ketogenic diet.

**EBioMedicine , Volume: 80 2022 Jun**

Authors Dahlin M,Singleton SS,David JA,Basuchoudhary A,Wickström R,Mazumder R,Prast-Nielsen S

Bacillus subtilis plays a role in the inhibition of transporter ABCB1 in Caco-2 cells.

**Epilepsy research , Volume: 183 2022 Jul**

Authors Dai Y,Wang M,Zhong D,Xu X

Susceptibility to epilepsy after traumatic brain injury is associated with preexistent gut microbiome profile.

**Epilepsia , Volume: 63 Issue: 7 2022 Jul**

Authors Medel-Matus JS,Lagishetty V,Santana-Gomez C,Shin D,Mowrey W,Staba RJ,Galanopoulou AS,Sankar R,Jacobs JP,Mazarati AM

Change in intestinal flora after treatment in children with focal epilepsy.

**Zhongguo dang dai er ke za zhi = Chinese journal of contemporary pediatrics , Volume: 24 Issue: 3 2022 Mar 15**

Authors Gong SZ,Qiu J,Wu LW,Tan LH

Gut Microbial Characteristics of Adult Patients With Epilepsy.

**Frontiers in neuroscience , Volume: 16 2022**

Authors Dong L,Zheng Q,Cheng Y,Zhou M,Wang M,Xu J,Xu Z,Wu G,Yu Y,Ye L,Feng Z

Gut Microbiome Distinguishes Patients With Epilepsy From Healthy Individuals.

Frontiers in microbiology , Volume: 12 2021

Authors Cui G,Liu S,Liu Z,Chen Y,Wu T,Lou J,Wang H,Zou Y,Sun Y,Rao B,Ren Z,Lian Y,Jiang Y

Is Gut Microbiota a Key Player in Epilepsy Onset? A Longitudinal Study in Drug-Naive Children.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Ceccarani C,Viganò I,Ottaviano E,Redaelli MG,Severgnini M,Vignoli A,Borghi E

Gut flora and metabolism are altered in epilepsy and partially restored after ketogenic diets.

Microbial pathogenesis , Volume: 155 2021 Jun

Authors Gong X,Cai Q,Liu X,An D,Zhou D,Luo R,Peng R,Hong Z

Gut Bacterial Dysbiosis in Children with Intractable Epilepsy.

Journal of clinical medicine , Volume: 10 Issue: 1 2020 Dec 22

Authors Lee K,Kim N,Shim JO,Kim GH

Gut Microbiota and Epilepsy: A Systematic Review on Their Relationship and Possible Therapeutics.

ACS chemical neuroscience , Volume: 11 Issue: 21 2020 Nov 4

Authors Arulsamy A,Tan QY,Balasubramaniam V,O'Brien TJ,Shaikh MF

Alteration of Gut Microbiota in Patients With Epilepsy and the Potential Index as a Biomarker.

Frontiers in microbiology , Volume: 11 2020

Authors Gong X,Liu X,Chen C,Lin J,Li A,Guo K,An D,Zhou D,Hong Z

Mild Encephalopathy/Encephalitis with Reversible Splenial Lesion in a Patient with Salmonella typhi Infection: An Unusual Presentation with Excellent Prognosis.

Indian journal of critical care medicine : peer-reviewed, official publication of Indian Society of Critical Care Medicine , Volume: 23 Issue: 12 2019 Dec

Authors Chopra P,Bhatia RS,Chopra R

The gut microbiome in epilepsy.

Microbial pathogenesis , Volume: 139 2020 Feb

Authors Safak B,Altunay B,Topcu B,Eren Topkaya A

Altered composition of the gut microbiome in patients with drug-resistant epilepsy.

Epilepsy research , Volume: 147 2018 Nov

Authors Peng A,Qiu X,Lai W,Li W,Zhang L,Zhu X,He S,Duan J,Chen L

Altered gut microbiome composition in children with refractory epilepsy after ketogenic diet.

Epilepsy research , Volume: 145 2018 Sep

Authors Zhang Y,Zhou S,Zhou Y,Yu L,Zhang L,Wang Y

Gut Bacteria Seize Control of the Brain to Prevent Epilepsy.

Cell host & microbe , Volume: 24 Issue: 1 2018 Jul 11

Authors Dooling SW,Costa-Mattioli M

The Gut Microbiota Mediates the Anti-Seizure Effects of the Ketogenic Diet.

Cell , Volume: 173 Issue: 7 2018 Jun 14

Authors Olson CA,Vuong HE,Yano JM,Liang QY,Nusbaum DJ,Hsiao EY

Ketogenic diet poses a significant effect on imbalanced gut microbiota in infants with refractory epilepsy.

World journal of gastroenterology , Volume: 23 Issue: 33 2017 Sep 7

Authors Xie G,Zhou Q,Qiu CZ,Dai WK,Wang HP,Li YH,Liao JX,Lu XG,Lin SF,Ye JH,Ma ZY,Wang WJ

Bacterial meningitis and epilepsy.

Epilepsia , Volume: 49 Suppl 6 2008 Aug

Authors Murthy JM,Prabhakar S

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

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

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

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

Frontiers in nutrition , Volume: 12 2025

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

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

3 Biotech , Volume: 15 Issue: 5 2025 May

Authors Thakur A,Sharma K

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

Biomedicines , Volume: 13 Issue: 4 2025 Apr 9

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

**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

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

**Bioresouce technology , 2025 Apr 12**

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

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

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

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

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

**Food chemistry , Volume: 482 2025 Apr 4**

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

**Development of Luteolin-Loaded Calcium Alginate and Gum Tragacanth Blend Microbeads for Oral Delivery: In Vitro Characterization, Antioxidant, Antimicrobial, and Anticancer Activity Against Colon Cancer Cell Line (HT-29).**

**Assay and drug development technologies , 2025 Apr 4**

**Authors** Zafar A,Alsaied OA,Mujtaba MA,Sultana S

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

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

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

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

**Frontiers in nutrition , Volume: 12 2025**

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

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

**Journal of agricultural and food chemistry , 2025 Mar 26**

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

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

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

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

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

**Food & function , 2025 Mar 20**

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

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

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

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

**Oat  $\beta$ -glucan prevents high fat diet induced obesity by targeting ileal Farnesoid X receptor-fibroblast growth factor 15 signaling.**

**International journal of biological macromolecules , Volume: 306 Issue: Pt 3 2025 Feb 26**

**Authors** Huang K,Hong C,Huang Y,Liu Y,Yu Z,Li S,Guan X,Zhao W

**$\beta$ -Glucan Alone or Combined with Lactobacillus acidophilus Positively Influences the Bacterial Diversity and Metabolites in the Colonic Microbiota of Type II Diabetic Patients.**

**Probiotics and antimicrobial proteins , 2025 Feb 26**

**Authors** Clementino JR,de Oliveira LIG,Salgaço MK,de Oliveira FL,Mesa V,Tavares JF,Silva-Pereira L,Raimundo BVB,Oliveira KC,Medeiros AI,Silva FA,Sivieri K,Magnani 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*

Intermittent fasting regulates gut microbiota and serum metabolome profiles in middle-aged mice fed high-fat diet.

**Nutrition & metabolism , Volume: 22 Issue: 1 2025 Feb 25**

**Authors Li Z,Chen S,Yin B,Wei J,Wang D,Zhou H,Sun Z**

Gut microbiota modulation and inflammation mitigation in a murine model through a hull-less and purple grain barley genotype.

**Food & function , 2025 Feb 25**

**Authors Cortijo-Alfonso ME,Laghoudaouta H,Pena RN,Martínez M,Yuste S,Rubió-Piqué L,Piñol-Felis C**

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

**The ISME journal , 2025 Feb 23**

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

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

**Food chemistry: X , Volume: 25 2025 Jan**

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

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

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

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

Carnosic acid reduces lipid content, enhances gut health, and modulates microbiota composition and metabolism in diet-induced obese mice.

**Food & function , Volume: 16 Issue: 5 2025 Mar 3**

**Authors Zhang J,Shen M,Yin Y,Chen Y,Deng X,Mo J,Zhou X,Lin J,Chen X,Xie X,Wu X,Chen X**

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**

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

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

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

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**

Inulin alleviates chronic ketamine-induced impairments in memory and prepulse inhibition by regulating the gut microbiota, inflammation, and kynurenone pathway.

**International journal of biological macromolecules , Volume: 294 2025 Mar**

**Authors Xu Z,Lu H,Hu C,Wen Y,Shang D,Gan T,Guo Z,Dai L,Luo Y**

Probiotic treatment induces changes in intestinal microbiota but does not alter SCFA levels in peritoneal dialysis patients-a randomized, placebo-controlled trial.

**Scientific reports , Volume: 14 Issue: 1 2024 Dec 28**

**Authors Zhou S,Yan Y,Chu R,Chen N,Wang L,Zhang H,Wang Y,Wang M,Na L,Ren H,Chen M,Li PK,Tian N**

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

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

**Authors Obeidat M,Haddad MA,Ghnamat SA**

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

**Nutrients , Volume: 16 Issue: 23 2024 Nov 29**

**Authors Thongwong P,Wattanathorn J,Thukham-Mee W**

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

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

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

Wheat β-glucan reduces obesity and hyperlipidemia in mice with high-fat and high-salt diet by regulating intestinal flora.

**International journal of biological macromolecules , Volume: 288 2025 Feb**

**Authors Li M,Wang Q,Zhang X,Li K,Niu M,Zhao S**

Ginsenosides From *Panax ginseng* Improves Hepatic Lipid Metabolism Disorders in HFD-Fed Rats by Regulating Gut Microbiota and Cholesterol Metabolism Signaling Pathways.

**Phytotherapy research : PTR , 2024 Dec 11**

**Authors Zhu Y,Zhang KX,Bu QY,Song SX,Chen Y,Zou H,You XY,Zhao GP**

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**

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**

Limosilactobacillus reuteri B1/1 modulated the intestinal immune response in preventing Salmonella Enteritidis PT4 infection in a chicken ileal explant model.

**Veterinary research communications , Volume: 49 Issue: 1 2024 Nov 23**

**Authors Karaffová V,Kiššová Z,Tóthová C,Tráj P,Mackei M,Mátis G**

Protective effect of a newly probiotic Lactobacillus reuteri LY2-2 on DSS-induced colitis.

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

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

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**

High barley intake in non-obese individuals is associated with high natto consumption and abundance of butyrate-producing bacteria in the gut: a cross-sectional study.

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

**Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Murakami H,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J**

Investigating antibacterial and anti-inflammatory properties of synthetic curcuminoids.

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

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

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

**Molecular nutrition & food research , 2024 Nov 9**

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

A Novel Synbiotic Protects Against DSS-Induced Colitis in Mice via Anti-inflammatory and Microbiota-Balancing Properties.

**Probiotics and antimicrobial proteins , 2024 Nov 7**

**Authors Yang Y,Qiao Y,Liu G,Chen W,Zhang T,Liu J,Fan W,Tong M**

Growth assessment of mixed cultures of probiotics and common pathogens.

**Anaerobe , 2023 Oct 28**

**Authors Fredua-Agyeman M,Stapleton P,Gaisford S**

Microbiota-Focused Dietary Approaches to Support Health: A Systematic Review.

**The Journal of nutrition , Volume: 155 Issue: 2 2025 Feb**

**Authors Hindle VK,Veasley NM,Holscher HD**

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

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

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

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

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

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

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

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

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

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

**Current research in food science , Volume: 9 2024**

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

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

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

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

Curcumin and Vitamin D Reduce HMGB-1 mRNA Levels in Mice Infected with Salmonella typhi.

**The Malaysian journal of medical sciences : MJMS , Volume: 31 Issue: 5 2024 Oct**

Authors Febriza A,Idrus HH

Impact of Microencapsulation on Ocimum gratissimum L Essential Oil: Antimicrobial, Antioxidant Activities, and Chemical Composition.

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

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

Oral delivery of electrohydrodynamically encapsulated Lactiplantibacillus plantarum CRD7 modulates gut health, antioxidant activity, and cytokines-related inflammation and immunity in mice.

**Food & function , 2024 Oct 11**

Authors Varada V,Kumar S,Balaga S,Thanippilly AJ,Pushpadass HA,M RH,Jangir BL,Tyagi N,Samanta AK

Lactiplantibacillus plantarum P101 Alleviated Alcohol-Induced Hepatic Lipid Accumulation in Mice via AMPK Signaling Pathway: Gut Microbiota and Metabolomics Analysis.

**Probiotics and antimicrobial proteins , 2024 Oct 10**

Authors Feng X,Wang M,Wen S,Hu L,Lan Y,Xu H

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

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

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

Garlic Bioconverted by Bacillus subtilis Stimulates the Intestinal Immune System and Modulates Gut Microbiota Composition.

**Molecular nutrition & food research , Volume: 68 Issue: 20 2024 Oct**

Authors Tonog G,Yu H,Moon SK,Lee S,Jeong H,Kim HS,Kim KB,Suh HJ,Kim H

Combination of Lactiplantibacillus Plantarum ELF051 and Astragalus Polysaccharides Improves Intestinal Barrier Function and Gut Microbiota Profiles in Mice with Antibiotic-Associated Diarrhea.

**Probiotics and antimicrobial proteins , 2024 Oct 1**

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

Barley β-glucan consumption improves glucose tolerance by increasing intestinal succinate concentrations.

**NPJ science of food , Volume: 8 Issue: 1 2024 Sep 30**

Authors Mio K,Goto Y,Matsuoka T,Komatsu M,Ishii C,Yang J,Kobayashi T,Aoe S,Fukuda S

Effects of saponins R(b1) and R(e) in American ginseng intervention on intestinal microbiota of aging model.

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

Authors Shi M,Fan H,Liu H,Zhang Y

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

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

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

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

Study on the Therapeutic Effects and Mechanisms of Gintonin in Irritable Bowel Syndrome and Its Relationship with TRPV1, TRPV4, and NaV1.5.

**Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 9 2024 Sep 4**

Authors Choi NR,Ko SJ,Nam JH,Choi WG,Lee JH,Nah SY,Park JW,Kim BJ

Aged garlic oligosaccharides modulate host metabolism and gut microbiota to alleviate high-fat and high-cholesterol diet-induced atherosclerosis in ApoE(-/-) mice.

**Food chemistry , Volume: 463 Issue: Pt 3 2025 Jan 15**

Authors Wang X,Cui J,Gu Z,Guo L,Liu R,Guo Y,Qin N,Yang Y

Water extract of ginseng alleviates parkinsonism in MPTP-induced Parkinson's disease mice.

**PLoS one , Volume: 19 Issue: 9 2024**

Authors Xu N,Xing S,Li J,Pang B,Liu M,Fan M,Zhao Y

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Role and mechanism of *Lactobacillus casei* in the modulation of alcohol preference in mice.

**International immunopharmacology , Volume: 141 2024 Nov 15**

*Authors Li Y,Yang J,Guo L*

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

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

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

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

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

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

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*

The alleviative effects of viable and inactive *Lactobacillus paracasei* CCFM1120 against alcoholic liver disease via modulation of gut microbiota and the Nrf2/HO-1 and TLR4/MyD88/NF- $\kappa$ B pathways.

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

*Authors Niu B,Feng Y,Cheng X,Xiao Y,Zhao J,Lu W,Tian F,Chen W*

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

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

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

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

**Frontiers in cellular and infection microbiology , Volume: 14 2024**

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

Exploring the anti-inflammatory effects of postbiotic proteins from *Lactobacillus delbrueckii* CIDCA 133 on inflammatory bowel disease model.

**International journal of biological macromolecules , Volume: 277 Issue: Pt 2 2024 Jul 26**

*Authors Freitas ADS,Barroso FAL,Campos GM,Américo MF,Viegas RCDS,Gomes GC,Vital KD,Fernandes SOA,Carvalho RDO,Jardin J,Miranda APGDS,Ferreira E,Martins FS,Laguna JG,Jan G,Azevedo V,de Jesus LCL*

Luteolin, a natural flavonoid, exhibits a protective effect on intestinal injury induced by soybean meal in early-weaned piglets.

**Journal of animal science , Volume: 102 2024 Jan 3**

**Authors Liang X,Zheng S,Zhou Y,Li J,Zhang Z**

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

**Microorganisms , Volume: 12 Issue: 7 2024 Jul 6**

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

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

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

**Authors Oliveira RD,Araújo C,Almeida-Aguiar C**

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

**Frontiers in veterinary science , Volume: 11 2024**

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

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

**International journal of obesity (2005) , 2024 Jul 20**

**Authors Visuthranukul C,Sriswasdi S,Tepaamorndech S,Chamni S,Leelahanichkul A,Joyjinda Y,Aksornkitti V,Chomtho S**  
A ginseng polysaccharide protects intestinal barrier integrity in high-fat diet-fed obese mice.

**International journal of biological macromolecules , Volume: 277 Issue: Pt 1 2024 Oct**

**Authors Gao Y,Guo M,Chen J,Sun Y,Wang M**

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

**Food & function , 2024 Jul 19**

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

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

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

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

The Effect of the Lacticaseibacillus paracasei BEPC22 and Lactiplantibacillus plantarum BELP53 Combination (BN-202M) on Body Fat Percentage Loss in Overweight Individuals: A Randomized, Double-Blind, Placebo-Controlled Study.

**Nutrients , Volume: 16 Issue: 13 2024 Jun 23**

**Authors Kwon HS,Kim SJ,Shin KJ,Kim S,Yun J,Bae J,Tak HJ,Lee NR,Kim HJ**

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,Touphi FM,Moharami F**

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

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

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

Bifidobacterium bifidum alleviates adenine-induced acute kidney injury in mice by improving intestinal barrier function.

**Food & function , Volume: 15 Issue: 15 2024 Jul 29**

**Authors Meng Y,Zhao M,Ma Q,Hua Q,Hu J,Zhou Q,Yi H,Zhang Z,Zhang L**

Effect of Lacticaseibacillus casei LC2W Supplementation on Glucose Metabolism and Gut Microbiota in Subjects at High Risk of Metabolic Syndrome: A Randomized, Double-blinded, Placebo-controlled Clinical Trial.

**Probiotics and antimicrobial proteins , 2024 Jul 2**

**Authors Wang D,Wang X,Han J,You C,Liu Z,Wu Z**

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

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

**Authors Kwun MS,Lee DG**

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

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

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

Lactobacillus delbrueckii Ameliorated Blood Lipids via Intestinal Microbiota Modulation and Fecal Bile Acid Excretion in a Ningxian Pig Model.

**Animals : an open access journal from MDPI , Volume: 14 Issue: 12 2024 Jun 17**

**Authors Hou G,Wei L,Li R,Chen F,Yin J,Huang X,Yin Y**

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

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

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

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

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

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

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

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

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

A host-microbial metabolite interaction gut-on-a-chip model of the adult human intestine demonstrates beneficial effects upon inulin treatment of gut microbiome.

**Microbiome research reports , Volume: 3 Issue: 2 2024**

**Authors Donkers JM,Wiese M,van den Broek TJ,Wierenga E,Agamennone V,Schuren F,van de Steeg E**

Bifidobacterium bifidum Ameliorates DSS-Induced Colitis in Mice by Regulating Microbial Metabolome and Targeting Gut Microbiota.

**Journal of agricultural and food chemistry , 2024 Jun 5**

**Authors Han M,Liang J,Hou M,Liu Y,Li H,Gao Z**

Unveiling the influence of a probiotic combination of Heyndrickxia coagulans and Lacticaseibacillus casei on healthy human gut microbiota using the TripleSHIME® system.

**Microbiological research , Volume: 285 2024 Aug**

**Authors Goya-Jorge E,Gonza I,Bondue P,Druart G,Al-Chihab M,Boutaleb S,Douny C,Taminiau B,Daube G,Scippo ML,Thonart P,Delcenserie V**

Curcumin supplementation alleviates hepatic fat content associated with modulation of gut microbiota-dependent bile acid metabolism in patients with nonalcoholic simple fatty liver disease: a randomized controlled trial.

**The American journal of clinical nutrition , Volume: 120 Issue: 1 2024 Jul**

**Authors He Y,Chen X,Li Y,Liang Y,Hong T,Yang J,Cao Z,Mai H,Yao J,Zhang T,Wu K,Zou J,Feng D**

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

**Microorganisms , Volume: 12 Issue: 5 2024 Apr 28**

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

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

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

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

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

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

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

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

**Medicine , Volume: 103 Issue: 21 2024 May 24**

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

Short-term supplementation with uncoated and encapsulated Enterococcus faecium affected growth performance, gut microbiome and intestinal barrier integrity in broiler chickens.

**Poultry science , Volume: 103 Issue: 7 2024 Jul**

**Authors Zhang Y,Liu Y,Jiao S,Wang Y,Sa R,Zhao F,Xie J**

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

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

**Authors Visuthranukul C,Leelahanichkul A,Tepaamorndech S,Chamni S,Mekangkul E,Chomtho S**

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

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

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

The effect of intermittent fasting on microbiota as a therapeutic approach in obesity.

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

**Authors Cadena-Ullauri S,Guevara-Ramírez P,Ruiz-Pozo VA,Tamayo-Trujillo R,Paz-Cruz E,Zambrano-Villacres R,Simancas-Racines D,Zambrano AK**

Ameliorative effect of total ginsenosides from heat-treated fresh ginseng against cyclophosphamide-induced liver injury in

mice.

**Current research in food science , Volume: 8 2024**

Authors Tang P,Ren G,Zou H,Liu S,Zhang J,Ai Z,Hu Y,Cui L,Nan B,Zhang Z,Wang Y

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

Therapeutic administration of Luteolin protects against Escherichia coli-derived Lipopolysaccharide-triggered inflammatory response and oxidative injury.

**Acta tropica , Volume: 255 2024 Jul**

Authors Shaukat A,Rajput SA,Ali M,Shukat R,Hanif S,Hassan M,Fouad D,Ataya FS,Shaukat I,Yousaf A,Shaukat S,Su RW

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,Huszczka E,Poplonski J,Villar CJ,Lombó F

The Canine Gut Health: The Impact of a New Feed Supplement on Microbiota Composition.

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

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

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

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

Authors Kaewpatch 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,Salaoui E,Asehraou A,Salamatullah AM,Bourhia M,Nafidi HA,Addi M,Guerrouj BE,Chaabane K

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

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

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

Antiaging Effects of Human Fecal Transplants with Different Combinations of Bifidobacterium bifidum LTBB21J1 and Lactobacillus casei LTL1361 in d-Galactose-Induced Mice.

**Journal of agricultural and food chemistry , Volume: 72 Issue: 17 2024 May 1**

Authors Zhou F,Zhang Q,Zheng X,Shi F,Ma K,Ji F,Meng N,Li R,Lv J,Li Q

Effects of Limosilactobacillus reuteri ID-D01 Probiotic Supplementation on Exercise Performance and Gut Microbiota in Sprague-Dawley Rats.

**Probiotics and antimicrobial proteins , 2024 Apr 18**

Authors Jang YJ,Choi HS,Oh I,Chung JH,Moon JS

Lacticaseibacillusparacasei BNCC345679 revolutionizes DSS-induced colitis and modulates gut microbiota.

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

Authors Ahmad W,Din AU,Khan TM,Rehman MU,Hassan A,Aziz T,Alharbi M,Wu J

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

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

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

Effects of inulin on fecal microbiota and specific immunity in cats.

**Research in veterinary science , Volume: 172 2024 Jun**

Authors Liang SK,Wang JQ,Han B

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

**Poultry science , Volume: 103 Issue: 5 2024 May**

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

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

**Poultry science , Volume: 103 Issue: 6 2024 Jun**

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

An Inulin-Type Fructan CP-A from Codonopsis pilosula Alleviated 5-Fluorouracil-Induced Intestinal Mucositis via the ERK/MLCK/MLC2 Pathway and Regulation of Gut Microbiota.

**Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 3 2024 Feb 26**

Authors Zhou J,Li D,Wang J,Cheng Z,Wang C,Zhang X,Xu X,Gao J

Gut Microbiota and Inflammation Modulation in a Rat Model for Ulcerative Colitis after the Intraperitoneal Administration of Apigenin, Luteolin, and Xanthohumol.

**International journal of molecular sciences** , Volume: 25 Issue: 6 2024 Mar 12

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

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

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

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

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

**PeerJ** , Volume: 12 2024

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

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

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

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

Effect of *Lactobacillus plantarum* BFS1243 on a female frailty model induced by fecal microbiota transplantation in germ-free mice.

**Food & function** , 2024 Mar 22

Authors Dong S,Zeng Q,He W,Cheng W,Zhang L,Zhong R,He W,Fang X,Wei H

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

*Lactobacillus reuteri* mitigates hepatic ischemia/reperfusion injury by modulating gut microbiota and metabolism through the Nrf2/HO-1 signaling.

**Biology direct** , Volume: 19 Issue: 1 2024 Mar 18

Authors Zhang L,Gong X,Tan J,Zhang R,Li M,Liu C,Wu C,Li X

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

Targeting Gut Microbiome With Prebiotic in Patients With CKD: The TarGut-CKD Study.

**Kidney international reports** , Volume: 9 Issue: 3 2024 Mar

Authors Sohn MB,Gao B,Kendrick C,Srivastava A,Isakova T,Gassman JJ,Fried LF,Wolf M,Cheung AK,Raphael KL,Vinales PC,Middleton JP,Pabalan A,Raj DS,Pilot Studies in CKD Consortium

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

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

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

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

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

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

Panax notoginseng stems and leaves affect microbial community and function in cecum of duzang pigs.

**Translational animal science** , Volume: 8 2024

Authors Yi L,Zhu J,Li Q,Guan X,Cheng W,Xie Y,Zhao Y,Zhao S

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

**Heliyon** , Volume: 10 Issue: 4 2024 Feb 29

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

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

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

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

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

**Mycotoxin research** , Volume: 40 Issue: 2 2024 May

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

Adjunctive efficacy of *Bifidobacterium animalis* subsp. *lactis* XLTG11 for functional constipation in children.

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

2024 Jun

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

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

Probiotics and antimicrobial proteins , 2024 Feb 20

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

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

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

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

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

Dietary Lactobacillus delbrueckii Affects Ileal Bacterial Composition and Circadian Rhythms in Pigs.

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

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

Microbiota modulation by dietary oat beta-glucan prevents steatotic liver disease progression.

JHEP reports : innovation in hepatology , Volume: 6 Issue: 3 2024 Mar

Authors Jaeger JW,Brandt A,Gui W,Yergaliyev T,Hernández-Arriaga A,Muthu MM,Edlund K,Elashy A,Molinaro A,Möckel D,Sarges J,Halibasic E,Trauner M,Kahles F,Rolle-Kampczyk U,Hengstler J,Schneider CV,Lammers T,Marschall HU,von Bergen M,Camarinha-Silva A,Bergheim I,Trautwein C,Schneider KM

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,Onyeaghalia G,Wen YF,Shaukat A,Milne G,Straka RJ,Church TR,Prizment A

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

Food & function , 2024 Feb 2

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

The pharmaceutical effect of Korean wild ginseng residue extract on the performance, microbiota quality, cytokine expression, and the ginseng saponin content of laying hen.

Poultry science , Volume: 103 Issue: 3 2024 Mar

Authors Tajudeen H,Ha S,Hosseindoust A,Mun J,Park S,Su CP,Kinara E,Kim J

The antioxidant strain *Lactiplantibacillus plantarum AS21* and *Clostridium butyricum* ameliorate DSS-induced colitis in mice by remodeling the assembly of intestinal microbiota and improving gut functions.

Food & function , Volume: 15 Issue: 4 2024 Feb 19

Authors Li W,Zhang Y,Chen M,Guo X,Ding Z

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

The Effect of *Lactobacillus plantarum* on the Fecal Microbiota, Short Chain Fatty Acids, Odorous Substances, and Blood Biochemical Indices of Cats.

Microorganisms , Volume: 12 Issue: 1 2024 Jan 2

Authors Han B,Liang S,Sun J,Tao H,Wang Z,Liu B,Wang X,Liu J,Wang J

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,Lees SJ,Lees DY,Zhang G,Kim Y

Intestinal toxicity alleviation and efficacy potentiation through therapeutic administration of *Lactobacillus paracasei GY-1* in the treatment of gout flares with colchicine.

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

Authors Zeng J,Li Y,Zou Y,Yang Y,Yang T,Zhou Y

Prevalence and Antimicrobial Characteristics of *Escherichia coli* in Selected Vegetables and Herbs in Bangkok, Thailand.

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

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

Oat protein isolate-Pleurotus ostreatus  $\beta$ -glucan conjugate nanoparticles bound to  $\beta$ -carotene effectively alleviate immunosuppression by regulating gut microbiota.

**Food & function , Volume: 15 Issue: 4 2024 Feb 19**

**Authors Zhong L,Hu Q,Zhan Q,Zhao M,Zhao L**

Polysaccharide from Panax japonicus C.A. Mey prevents non-alcoholic fatty liver disease development based on regulating liver metabolism and gut microbiota in mice.

**International journal of biological macromolecules , Volume: 260 Issue: Pt 1 2024 Mar**

**Authors Wu Y,Yin W,Hao P,Chen Y,Yu L,Yu X,Wu Y,Li X,Wang W,Zhou H,Yuan Y,Quan X,Yu Y,Hu B,Chen S,Zhou Z,Sun W**

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

**Microbial pathogenesis , Volume: 188 2024 Mar**

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

Effects of Metabolites of Lactobacillus casei on Expression and Neutralization of Shiga Toxin by Enterohemorrhagic Escherichia coli.

**Probiotics and antimicrobial proteins , 2024 Jan 15**

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

Dietary inulin alleviated constipation induced depression and anxiety-like behaviors: Involvement of gut microbiota and microbial metabolite short-chain fatty acid.

**International journal of biological macromolecules , Volume: 259 Issue: Pt 2 2024 Feb**

**Authors Zou H,Gao H,Liu Y,Zhang Z,Zhao J,Wang W,Ren B,Tan X**

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

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

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

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

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

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

Co-administration of the prebiotic 1-kestose and the paraprobiotic Lactiplantibacillus plantarum FM8 in magellanic penguins promotes the activity of intestinal Lactobacillaceae and reduces the plc gene levels encoding Clostridium perfringens toxin.

**The Journal of veterinary medical science , Volume: 86 Issue: 2 2024 Feb 8**

**Authors Fujii T,Kezuka C,Kawaguchi Y,Yamakawa S,Kondo N,Funasaka K,Hirooka Y,Tochio 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**

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

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

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

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

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

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

A symbiotic formulation of Lactobacillus reuteri and inulin alleviates ASD-like behaviors in a mouse model: the mediating role of the gut-brain axis.

**Food & function , Volume: 15 Issue: 1 2024 Jan 2**

**Authors Wang C,Chen W,Jiang Y,Xiao X,Zou Q,Liang J,Zhao Y,Wang Q,Yuan T,Guo R,Liu X,Liu Z**

Identification of inulin-responsive bacteria in the gut microbiota via multi-modal activity-based sorting.

**Nature communications , Volume: 14 Issue: 1 2023 Dec 14**

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

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

**Pediatric research , Volume: 95 Issue: 6 2024 May**

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

Impact of structurally diverse polysaccharides on colonic mucin O-glycosylation and gut microbiota.

**NPJ biofilms and microbiomes , Volume: 9 Issue: 1 2023 Dec 11**

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

To Evaluate and Compare the Antimicrobial Efficacy of Various Disinfecting Agents on K-file against Gram-positive and Gram-negative Bacteria of Endodontic Origin: An In Vitro Study.

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

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

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

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

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

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

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

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

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

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

Authors Dai J

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

**Veterinarni medicina , Volume: 68 Issue: 5 2023 May**

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

Inulin prebiotic ameliorates type 1 diabetes dictating regulatory T cell homing via CCR4 to pancreatic islets and butyrogenic gut microbiota in murine model.

**Journal of leukocyte biology , Volume: 115 Issue: 3 2024 Feb 23**

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

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

**Environmental science & technology , 2023 Nov 9**

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

Effects of ginseng on short-chain fatty acids and intestinal microbiota in rats with spleen-qi deficiency based on gas chromatography-mass spectrometry and 16s rRNA technology.

**Rapid communications in mass spectrometry : RCM , Volume: 37 Issue: 23 2023 Dec 15**

Authors Zhang M, Pi Y, Ma L, Li F, Luo J, Cai Y, Wu Y, Liu M, Dai Y, Zheng F, Yue H

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

Effectiveness of probiotics and clove essential oils in improving growth performance, immuno-antioxidant status, ileum morphometric, and microbial community structure for heat-stressed broilers.

**Scientific reports , Volume: 13 Issue: 1 2023 Nov 1**

Authors Elbaz AM, Ashmawy ES, Ali SAM, Mourad DM, El-Samahy HS, Badri FB, Thabet HA

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

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

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

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

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

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

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

Comprehensive evaluation of the prebiotic properties of Dendrobium officinale polysaccharides, β-glucan, and inulin during

- in vitro fermentation via multi-omics analysis.  
**International journal of biological macromolecules** , Volume: 253 Issue: Pt 7 2023 Dec 31  
Authors Sun Y,Zhang S,He H,Chen H,Nie Q,Li S,Cheng J,Zhang B,Zheng Z,Pan S,Huang P,Lian L,Hu J,Nie S  
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,Snooussi M,Almusheet SM,Qanash H  
In Vitro Prebiotic Effects and Antibacterial Activity of Five Leguminous Honeys.
- Foods (Basel, Switzerland)** , Volume: 12 Issue: 18 2023 Sep 6  
Authors Fratianni F,De Giulio B,d'Acierno A,Amato G,De Feo V,Coppola R,Nazzaro F  
Enterococcus faecium C171: Modulating the Immune Response to Acute Lethal Viral Challenge.
- International journal of antimicrobial agents** , Volume: 62 Issue: 5 2023 Nov  
Authors Mi J,He T,Hu X,Wang Z,Wang T,Qi X,Li K,Gao L,Liu C,Zhang Y,Wang S,Qiu Y,Liu Z,Song J,Wang X,Gao Y,Cui H  
Combined oral intake of short and long fructans alters the gut microbiota in food allergy model mice and contributes to food allergy prevention.
- BMC microbiology** , Volume: 23 Issue: 1 2023 Sep 22  
Authors Takahashi H,Fujii T,Yamakawa S,Yamada C,Fujiki K,Kondo N,Funasaka K,Hirooka Y,Tochio T  
Carboxymethyl chitosan-TK resistant starch complex ameliorates type 2 diabetes by regulating the gut microbiota.
- International journal of biological macromolecules** , Volume: 253 Issue: Pt 3 2023 Dec 31  
Authors Pan X,Liu P,Zhang YJ,Zhang HK,Wei H,Jiang JY,Hui-Yan,Shang EX,Li WW,Wang Y,Duan JA  
Effects of Ramadan intermittent fasting on gut microbiome: is the diet key?
- Frontiers in microbiology** , Volume: 14 2023  
Authors Saglam D,Colak GA,Sahin E,Ekren BY,Sezerman U,Bas M  
Gut microbial change after administration of Lacticaseibacillus paracasei A0356 is associated with anti-obesity in a mouse model.
- Frontiers in endocrinology** , Volume: 14 2023  
Authors Song EJ,Lee ES,Kim YI,Shin DU,Eom JE,Shin HS,Lee SY,Nam YD  
Assessment of chemical compositions and antibacterial activity of the essential oil of Mentha piperita in response to salicylic acid.
- Natural product research** , Volume: 38 Issue: 20 2024 Oct  
Authors Afkar S  
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  
Effect of Ginger Root Powder on Gastrointestinal Bacteria Composition, Gastrointestinal Symptoms, Mental Health, Fatigue, and Quality of Life: A Double-Blind Placebo-Controlled Trial.
- The Journal of nutrition** , Volume: 153 Issue: 11 2023 Nov  
Authors Crichton M,Marshall S,Marx W,Isenring E,Vázquez-Campos X,Dawson SL,Lohning A  
The Immunomodulatory Effect of β-Glucan Depends on the Composition of the Gut Microbiota.
- Foods (Basel, Switzerland)** , Volume: 12 Issue: 17 2023 Aug 22  
Authors Sung M,Yoon Y,Lee J  
The chronic consumption of dietary fructose promotes the gut Clostridium species imbalance and bile acid alterations in developing nonalcoholic fatty liver disease.
- The Journal of nutritional biochemistry** , Volume: 121 2023 Nov  
Authors Zhang D,Wang H,Liu A,Wang S,Xu C,Lan K,Xiang W,Zhu K,Xiao Y,Fu J,Jiang R,Chen W,Ni Y  
Positive efficacy of Lactiplantibacillus plantarum MH-301 as a postoperative adjunct to endoscopic sclerotherapy for internal hemorrhoids: a randomized, double-blind, placebo-controlled trial.
- Food & function** , 2023 Sep 1  
Authors Zhang K,Liu H,Liu P,Feng Q,Gan L,Yao L,Huang G,Fang Z,Chen T,Fang N  
Dietary oregano aqueous extract improves growth performance and intestinal health of broilers through modulating gut microbial compositions.
- Journal of animal science and biotechnology** , Volume: 14 Issue: 1 2023 Sep 1  
Authors Zhang F,Yang J,Zhan Q,Shi H,Li Y,Li D,Li Y,Yang X  
Lactobacillus paracasei AH2 isolated from Chinese sourdough alleviated gluten-induced food allergy through modulating gut microbiota and promoting short-chain fatty acid accumulation in a BALB/c mouse model.
- Journal of the science of food and agriculture** , Volume: 104 Issue: 2 2024 Jan 30  
Authors Chen C,Liu C,Mu K,Xue W

- [Curcumin alleviates imiquimod-induced psoriasis-like inflammation and regulates gut microbiota of mice.](#)  
**Immunity, inflammation and disease , Volume: 11 Issue: 8 2023 Aug**  
Authors Cai Z,Wang W,Zhang Y,Zeng Y  
[Immunomodulatory effects of inulin and its intestinal metabolites.](#)  
**Frontiers in immunology , Volume: 14 2023**  
Authors Sheng W,Ji G,Zhang L  
[Effect of Bacillus subtilis and Oregano Oil on Performance, Gut Microbiome, and Intestinal Morphology in Pullets.](#)  
**Animals : an open access journal from MDPI , Volume: 13 Issue: 16 2023 Aug 8**  
Authors Kim HJ,Kim HS,Yun YS,Kang HK  
[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,Nagabushanam K,Fasina YO  
[The effects of time-restricted eating and Ramadan fasting on gut microbiota composition: a systematic review of human and animal studies.](#)  
**Nutrition reviews , Volume: 82 Issue: 6 2024 May 10**  
Authors Pieczynska-Zajac JM,Malinowska A,Lagowska K,Leciejewska N,Bajerska J  
[Alterations of gut microbiome and metabolism induced by inulin associated with weight loss in obese female mice.](#)  
**International journal of food sciences and nutrition , Volume: 74 Issue: 5 2023 Sep**  
Authors Wu Z,Zhang M,Deng Y,Zhou G,Yang M,Wang H  
[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  
[Physicochemical, Rheological, and Sensory Characteristics of Yogurt Fermented by Lactic Acid Bacteria with Probiotic Potential and Bioprotective Properties.](#)  
**Foods (Basel, Switzerland) , Volume: 12 Issue: 13 2023 Jun 29**  
Authors Hoxha R,Evstatieva Y,Nikolova D  
[The probiotic Lactobacillus casei Zhang-mediated correction of gut dysbiosis ameliorates peritoneal fibrosis by suppressing macrophage-related inflammation via the butyrate/PPAR-?/NF-?B pathway.](#)  
**Food & function , Volume: 14 Issue: 15 2023 Jul 31**  
Authors Wu Z,Zuo X,Wang X,Shi M,Zhu H,Cao C,Liu X,Liang W,Yao Y,Wang L  
[Cinnamon oil solid self-microemulsion mediates chronic mild stress-induced depression in mice by modulating monoamine neurotransmitters, corticosterone, inflammation cytokines, and intestinal flora.](#)  
**Heliyon , Volume: 9 Issue: 6 2023 Jun**  
Authors Ma T,Tang B,Wang Y,Shen M,Ping Y,Wang L,Su J  
[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  
[Effects of Lacticaseibacillus casei \(Lactobacillus casei\) and \*Saccharomyces cerevisiae\* mixture on growth performance, hematological parameters, immunological responses, and intestinal microbiome in weaned pigs.](#)  
**Frontiers in veterinary science , Volume: 10 2023**  
Authors Kim S,Kwak J,Song M,Cho J,Kim ES,Keum GB,Doo H,Pandey S,Cho JH,Ryu S,Kim S,Im YM,Kim HB  
[Goat and cow milk differ in altering the microbiota composition and neurotransmitter levels in insomnia mouse models.](#)  
**Food & function , Volume: 14 Issue: 14 2023 Jul 17**  
Authors Mo L,Jing H,Du X,Zhao C,Lin Y,Li J,Wang H  
[Effect of Probiotic Yogurt Supplementation\(\*Bifidobacterium animalis\* ssp. \*lactis\* BB-12\) on Gut Microbiota of Female Taekwondo Athletes and Its Relationship with Exercise-Related Psychological Fatigue.](#)  
**Microorganisms , Volume: 11 Issue: 6 2023 May 26**  
Authors Zhu J,Zhu Y,Song G  
[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  
[Effect of the ?-glucan from \*Lentinus edodes\* on colitis-associated colorectal cancer and gut microbiota.](#)  
**Carbohydrate polymers , Volume: 316 2023 Sep 15**  
Authors Liu N,Zou S,Xie C,Meng Y,Xu X  
[Lactobacillus casei and Its Supplement Alleviate Stress-Induced Depression and Anxiety in Mice by the Regulation of BDNF Expression and NF-?B Activation.](#)

**Nutrients , Volume: 15 Issue: 11 2023 May 26**

**Authors Ma X,Shin YJ,Park HS,Jeong JW,Kim JY,Shim JJ,Lee JL,Kim DH**

Regulation of Gut Microflora by Lactobacillus casei Zhang Attenuates Liver Injury in Mice Caused by Anti-Tuberculosis Drugs.

**International journal of molecular sciences , Volume: 24 Issue: 11 2023 May 29**

**Authors Li Y,Zhao L,Sun C,Yang J,Zhang X,Dou S,Hua Q,Ma A,Cai J**

Fungal β-glucan-facilitated cross-feeding activities between Bacteroides and Bifidobacterium species.

**Communications biology , Volume: 6 Issue: 1 2023 May 30**

**Authors Fernandez-Julia P,Black GW,Cheung W,Van Sinderen D,Munoz-Munoz J**

Effect of Bifidobacterium bifidum G9-1 on the Intestinal Environment and Diarrhea-Predominant Irritable Bowel Syndrome (IBS-D)-Like Symptoms in Patients with Quiescent Crohn's Disease: A Prospective Pilot Study.

**Journal of clinical medicine , Volume: 12 Issue: 10 2023 May 9**

**Authors Tomita T,Fukui H,Okugawa T,Nakanishi T,Mieno M,Nakai K,Eda H,Kitayama Y,Oshima T,Shinzaki S,Miwa H**

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

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

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

Intermittent fasting protects against food allergy in a murine model via regulating gut microbiota.

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

**Authors Ma RX,Hu JQ,Fu W,Zhong J,Cao C,Wang CC,Qi SQ,Zhang XL,Liu GH,Gao YD**

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

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

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

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

**Carbohydrate polymers , Volume: 313 2023 Aug 1**

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

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

**Frontiers in nutrition , Volume: 10 2023**

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

Microencapsulation of Lactobacillus plantarum MB001 and its probiotic effect on growth performance, cecal microbiome and gut integrity of broiler chickens in a tropical climate.

**Animal bioscience , Volume: 36 Issue: 8 2023 Aug**

**Authors Viron S,Angkanaporn K,Nuengjamnong C**

Milk protects against sarcopenic obesity due to increase in the genus Akkermansia in faeces of db/db mice.

**Journal of cachexia, sarcopenia and muscle , Volume: 14 Issue: 3 2023 Jun**

**Authors Okamura T,Hamaguchi M,Nakajima H,Kitagawa N,Majima S,Senmaru T,Okada H,Ushigome E,Nakanishi N,Sasano R,Fukui M**

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**

Combined effect of metabolites produced by a modified Lactobacillus casei and berry phenolic extract on Campylobacter and microbiome in chicken cecum contents.

**Journal of food science , Volume: 88 Issue: 6 2023 Jun**

**Authors Tabashsum Z,Alvarado-Martinez Z,Wall MJ,Aditya A,Biswas D**

Lactobacillus reuteri strain 8008 attenuated the aggravation of depressive-like behavior induced by CUMS in high-fat diet-fed mice through regulating the gut microbiota.

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

**Authors Li C,Su Z,Chen Z,Cao J,Liu X,Xu F**

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

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

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

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

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

**Experimental gerontology** , Volume: 176 2023 Jun 1

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

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

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

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

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

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

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

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

**Journal of ethnopharmacology** , Volume: 310 2023 Jun 28

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

Gut microbiota mediates the anti-obesity effect of intermittent fasting by inhibiting intestinal lipid absorption.

**The Journal of nutritional biochemistry** , Volume: 116 2023 Jun

Authors Yang H,Li C,Che M,Li Y,Feng R,Sun C

Bifidobacterium bifidum CCFM1163 Alleviated Cathartic Colon by Regulating the Intestinal Barrier and Restoring Enteric Nerves.

**Nutrients** , Volume: 15 Issue: 5 2023 Feb 24

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

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

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

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

Lactobacillus plantarum HF02 alleviates lipid accumulation and intestinal microbiota dysbiosis in high-fat diet-induced obese mice.

**Journal of the science of food and agriculture** , Volume: 103 Issue: 9 2023 Jul

Authors Chen H,Zhao H,Qi X,Sun Y,Ma Y,Li Q

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

Effects of β-glucan on *Salmonella enterica* serovar *Typhimurium* swine colonization and microbiota alterations.

**Porcine health management** , Volume: 9 Issue: 1 2023 Feb 14

Authors Bearson SMD,Trachsel JM,Bearson BL,Loving CL,Kerr BJ,Shippy DC,Kiros TG

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

**bioRxiv : the preprint server for biology** , 2023 Jan 31

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

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

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

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

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

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

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

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

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

Oligofructose, 2'fucosyllactose and β-glucan in combination induce specific changes in microbial composition and short-chain fatty acid production compared to sole supplementation.

**Journal of applied microbiology , Volume: 134 Issue: 2 2023 Feb 16**

**Authors** Jackson PPJ,Wijeyesekera A,van Harsselaar J,Theis S,Rastall RA

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

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

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

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

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

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

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

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

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

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

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

Modulating gut microbiota and metabolites with dietary fiber oat β-glucan interventions to improve growth performance and intestinal function in weaned rabbits.

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

**Authors** Ma L,Luo Z,Huang Y,Li Y,Guan J,Zhou T,Du Z,Yong K,Yao X,Shen L,Yu S,Zhong Z,Hu Y,Peng G,Shi X,Cao S

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

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

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

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

**Poultry science , Volume: 102 Issue: 3 2023 Mar**

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

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

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

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

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

**Life sciences , Volume: 314 2023 Feb 1**

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

**Intermittent Fasting Alleviates Risk Markers in a Murine Model of Ulcerative Colitis by Modulating the Gut Microbiome and Metabolome.**

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

**Authors Wu J,Man D,Shi D,Wu W,Wang S,Wang K,Li Y,Yang L,Bian X,Wang Q,Li L**

**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**

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

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

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

**Effects of highland barley  $\beta$ -glucan on blood glucose and gut microbiota in streptozotocin-induced, diabetic, C57BL/6 mice on a high-fat diet.**

**Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 107 2023 Mar**

**Authors Zang Y,Liu J,Zhai A,Wu K,Chuang Y,Ge Y,Wang C**

**Lactobacillus reuteri improves the development and maturation of fecal microbiota in piglets through mother-to-infant microbe and metabolite vertical transmission.**

**Microbiome , Volume: 10 Issue: 1 2022 Dec 2**

**Authors Wang G,Wang X,Ma Y,Cai S,Yang L,Fan Y,Zeng X,Qiao S**

**$\beta$ -Glucan alleviates mice with ulcerative colitis through interactions between gut microbes and amino acids metabolism.**

**Journal of the science of food and agriculture , Volume: 103 Issue: 8 2023 Jun**

**Authors Liu C,Sun C,Cheng Y**

**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**

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

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

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

**Enterococcus faecium GEFA01 alleviates hypercholesterolemia by promoting reverse cholesterol transportation via modulating the gut microbiota-SCFA axis.**

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

**Authors Xu W,Zou K,Zhan Y,Cai Y,Zhang Z,Tao X,Qiu L,Wei H**

**Investigation of Immunostimulatory Effects of Heat-Treated Lactiplantibacillus plantarum LM1004 and Its Underlying Molecular Mechanism.**

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

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

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

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

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

**Response of gut microbiota and ileal transcriptome to inulin intervention in HFD induced obese mice.**

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

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

**Modulation of growth performance, gut morphometry, and cecal microbiota in broilers by clove (*Syzygium aromaticum*) and tulsi (*Ocimum sanctum*) supplementation.**

**Poultry science , Volume: 102 Issue: 1 2023 Jan**

**Authors Islam R,Sultana N,Bhakta S,Haque Z,Hasan A,Siddique MP,Islam MR**

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

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

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

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

**Nutrients , Volume: 14 Issue: 21 2022 Oct 26**

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

Postbiotics Prepared Using Lactobacillus paracasei CCFM1224 Prevent Nonalcoholic Fatty Liver Disease by Modulating the Gut Microbiota and Liver Metabolism.

**International journal of molecular sciences** , Volume: 23 Issue: 21 2022 Nov 4

**Authors** Pan Z,Mao B,Zhang Q,Tang X,Yang B,Zhao J,Cui S,Zhang H

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

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

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

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

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

**Authors** Etehad-Marvasti F,Ejtahed HS,Siadat SD,Soroush AR,Hoseini-Tavassoli Z,Hasani-Ranjbar S,Larijani B

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

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

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

Co-fermented yellow wine lees by Bacillus subtilis and Enterococcus faecium regulates growth performance and gut microbiota in finishing pigs.

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

**Authors** Zhang Y,Wang C,Su W,Jiang Z,He H,Gong T,Kai L,Xu H,Wang Y,Lu Z

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

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

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

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

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

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

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

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

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

Lactobacillus delbrueckii might lower serum triglyceride levels via colonic microbiota modulation and SCFA-mediated fat metabolism in parenteral tissues of growing-finishing pigs.

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

**Authors** Hou G,Yin J,Wei L,Li R,Peng W,Yuan Y,Huang X,Yin Y

Inulin accelerates weight loss in obese mice by regulating gut microbiota and serum metabolites.

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

**Authors** Wu Z,Du Z,Tian Y,Liu M,Zhu K,Zhao Y,Wang H

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,Aysan T,Laudadio V

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

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

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

Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF-?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

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

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

**Authors Ashwanandini G,Reshma R,Preetha R**

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

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

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

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,Fattah M,Mirjalili MH**

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

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

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

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

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

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

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

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

**Authors Akullo JO,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**

Intermittent fasting positively modulates human gut microbial diversity and ameliorates blood lipid profile.

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

**Authors Khan MN,Khan SI,Rana MI,Ayyaz A,Khan MY,Imran M**

Intermittent fasting positively modulates human gut microbial diversity and ameliorates blood lipid profile.

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

**Authors Khan MN,Khan SI,Rana MI,Ayyaz A,Khan MY,Imran M**

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

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

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

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

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

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

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

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

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

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(3)-Encapsulated Curcumin Ester Derivatives With High Antioxidant and Antimicrobial Activities and pH Sensitivity.

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

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

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**

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**

Beta-Glucan Alters Gut Microbiota and Plasma Metabolites in Pre-Weaning Dairy Calves.

**Metabolites , Volume: 12 Issue: 8 2022 Jul 26**

**Authors Luo Z,Ma L,Zhou T,Huang Y,Zhang L,Du Z,Yong K,Yao X,Shen L,Yu S,Shi X,Cao S**

Limosilactobacillus reuteri Attenuates Atopic Dermatitis via Changes in Gut Bacteria and Indole Derivatives from Tryptophan Metabolism.

**International journal of molecular sciences , Volume: 23 Issue: 14 2022 Jul 13**

**Authors Fang Z,Pan T,Wang H,Zhu J,Zhang H,Zhao J,Chen W,Lu W**

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,Camerino M,Lanave G,Fracchiolla G,Corrente M,Cirone F,Trotta A,Tempesta M,Buonavoglia D,Pratelli A**

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

**Pharmacological research , Volume: 183 2022 Sep**

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

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

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

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

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

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

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

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

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

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

Dietary Eugenol Nanoemulsion Potentiated Performance of Broiler Chickens: Orchestration of Digestive Enzymes, Intestinal Barrier Functions and Cytokines Related Gene Expression With a Consequence of Attenuating the Severity of *E. coli* 078 Infection.

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

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

The Effects of Time-Restricted Eating on Metabolism and Gut Microbiota: A Real-Life Study.

**Nutrients , Volume: 14 Issue: 13 2022 Jun 21**

**Authors Ferrocino I,Pellegrini M,D'Eusebio C,Goitre I,Ponzo V,Fadda M,Rosato R,Mengozzi G,Beccuti G,Merlo FD,Rahimi F,Comazzi I,Coccolin L,Ghigo E,Bo S**

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**

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

**The Journal of nutritional biochemistry , Volume: 109 2022 Nov**

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

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

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

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

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

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

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

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

Lactobacillus plantarum FRT4 alleviated obesity by modulating gut microbiota and liver metabolome in high-fat diet-induced obese mice.

**Food & nutrition research , Volume: 66 2022**

Authors Cai H,Wen Z,Zhao L,Yu D,Meng K,Yang P

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

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

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

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

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

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

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

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

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

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

Combination of *Houttuynia cordata* polysaccharide and *Lactiplantibacillus plantarum* P101 alleviates acute liver injury by regulating gut microbiota in mice.

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

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

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

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

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

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

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

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

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

Lactobacillus casei Improve Anti-Tuberculosis Drugs-Induced Intestinal Adverse Reactions in Rat by Modulating Gut Microbiota and Short-Chain Fatty Acids.

**Nutrients , Volume: 14 Issue: 8 2022 Apr 17**

Authors Li Y,Zhao L,Hou M,Gao T,Sun J,Luo H,Wang F,Zhong F,Ma A,Cai 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

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

**Nutrients , Volume: 14 Issue: 7 2022 Apr 2**

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

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

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

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

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

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

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

Lactobacillus paracasei 24 Attenuates Lipid Accumulation in High-Fat Diet-Induced Obese Mice by Regulating the Gut Microbiota.

**Journal of agricultural and food chemistry , Volume: 70 Issue: 15 2022 Apr 20**

**Authors Liu Z,Zhou X,Wang W,Gu L,Hu C,Sun H,Xu C,Hou J,Jiang Z**

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

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

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

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

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

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

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

**PeerJ , Volume: 10 2022**

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

Panax quinquefolius Polysaccharides Ameliorate Antibiotic-Associated Diarrhoea Induced by Lincomycin Hydrochloride in Rats via the MAPK Signaling Pathways.

**Journal of immunology research , Volume: 2022 2022**

**Authors Ren DD,Li SS,Lin HM,Xia YS,Li ZM,Bo PP,Mu R,Zhao LJ,Sun YS**

Lactobacillus reuteri CCFM8631 Alleviates Hypercholesterolaemia Caused by the Paigen Atherogenic Diet by Regulating the Gut Microbiota.

**Nutrients , Volume: 14 Issue: 6 2022 Mar 17**

**Authors Wang Q,He Y,Li X,Zhang T,Liang M,Wang G,Zhao J,Zhang H,Chen W**

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

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

**Authors Olawuno 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,Narayananakutty A,Job JT,Olatunji OJ,Alfarhan A,Famurewa AC,Ramesh V**

Effect of Probiotic *Bifidobacterium bifidum* TMC3115 Supplementation on Psychosocial Stress Using a Sub-Chronic and Mild Social Defeat Stress in Mice.

**Nutrients , Volume: 14 Issue: 5 2022 Feb 24**

**Authors Yoda K,Harata G,Sato M,Miyazawa K,Ohsawa N,He F,Toyoda A**

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

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

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

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

**Frontiers in bioengineering and biotechnology , Volume: 10 2022**

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

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

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

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

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

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

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

Evaluation of a Zingiber officinale and Bixa orellana Supplement on the Gut Microbiota of Male Athletes: A Randomized Placebo-Controlled Trial.

**Planta medica** , Volume: 88 Issue: 13 2022 Oct

Authors Domínguez-Balmaseda D,Bressa C,Fernández-Romero A,de Lucas B,Pérez-Ruiz M,San Juan AF,Roller M,Issaly N,Larrosa M

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

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

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

Response of Milk Performance, Rumen and Hindgut Microbiome to Dietary Supplementation with Aspergillus oryzae Fermentation Extracts in Dairy Cows.

**Current microbiology** , Volume: 79 Issue: 4 2022 Feb 20

Authors Zhang J,Jin W,Jiang Y,Xie F,Mao S

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

Chitosan Protects Immunosuppressed Mice Against Cryptosporidium parvum Infection Through TLR4/STAT1 Signaling Pathways and Gut Microbiota Modulation.

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

Authors Rahman SU,Gong H,Mi R,Huang Y,Han X,Chen Z

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

Oligosaccharide and Flavanoid Mediated Prebiotic Interventions to Treat Gut Dysbiosis Associated Cognitive Decline.

**Journal of neuroimmune pharmacology : the official journal of the Society on Neurolimmune Pharmacology** , Volume: 17 Issue: 1-2 2022 Jun

Authors Sarkar SR,Mazumder PM,Banerjee S

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

**Nutrients** , Volume: 14 Issue: 1 2022 Jan 5

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

Dietary supplementation with low-dose xylooligosaccharide promotes the anti-Salmonella activity of probiotic Lactiplantibacillus plantarum ZS2058 in a murine model.

**Food research international (Ottawa, Ont.)** , Volume: 151 2022 Jan

Authors Liu J,Li X,Song F,Cui S,Lu W,Zhao J,Zhang H,Gu Z,Chen W

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

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

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

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

**Oxidative medicine and cellular longevity** , Volume: 2021 2021

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

Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients.

**Gut microbes** , Volume: 14 Issue: 1 2022 Jan-Dec

Authors Amadieu C,Coste V,Neyrinck AM,Thijssen V,Leyrolle Q,Bindels LB,Piessevaux H,Stärkel P,de Timary P,Delzenne NM,Leclercq S

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

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

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

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

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

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

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

antibacterial capacities.

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

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

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

**PLoS one , Volume: 16 Issue: 12 2021**

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

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

**Nutrients , Volume: 13 Issue: 11 2021 Oct 29**

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

Lactobacillus casei Zhang exerts probiotic effects to antibiotic-treated rats.

**Computational and structural biotechnology journal , Volume: 19 2021**

Authors Yao G,Cao C,Zhang M,Kwok LY,Zhang H,Zhang W

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

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

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

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

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

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

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

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

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

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

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

**Veterinary research communications , 2021 Nov 10**

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

Red ginseng has stronger anti-aging effects compared to ginseng possibly due to its regulation of oxidative stress and the gut microbiota.

**Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 93 2021 Dec**

Authors Peng X,Hao M,Zhao Y,Cai Y,Chen X,Chen H,Zhang Y,Dong L,Liu X,Ding C,Liu W,Yang M,Luo Y

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

$\beta$ -Glucan-triggered Akkermansia muciniphila expansion facilitates the expulsion of intestinal helminth via TLR2 in mice.

**Carbohydrate polymers , Volume: 275 2022 Jan 1**

Authors Jin X,Liu Y,Wang J,Wang X,Tang B,Liu M,Liu X

In Vitro Transformation of Protopanaxadiol Saponins in Human Intestinal Flora and Its Effect on Intestinal Flora.

**Evidence-based complementary and alternative medicine : eCAM , Volume: 2021 2021**

Authors Zhang M,Wang Y,Wu Y,Li F,Han M,Dai Y,Zheng F,Yue H

Lactobacillus plantarum CCFM1143 Alleviates Chronic Diarrhea via Inflammation Regulation and Gut Microbiota Modulation: A Double-Blind, Randomized, Placebo-Controlled Study.

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

Authors Yang B,Yue Y,Chen Y,Ding M,Li B,Wang L,Wang Q,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

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

Alleviation Effects of *Bifidobacterium animalis* subsp. *lactis* XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.

**Microorganisms , Volume: 9 Issue: 10 2021 Oct 3**

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

Supplementation with *Lactiplantibacillus plantarum* IMC 510 Modifies Microbiota Composition and Prevents Body Weight

**Gain Induced by Cafeteria Diet in Rats.****International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16****Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C**In Vitro Study of Cricket Chitosan's Potential as a Prebiotic and a Promoter of Probiotic Microorganisms to Control Pathogenic Bacteria in the Human Gut.**Foods (Basel, Switzerland) , Volume: 10 Issue: 10 2021 Sep 29****Authors Kipkoech C,Kinyuru JN,Imathiu S,Meyer-Rochow VB,Roos N**Alterations in Faecal Microbiota and Elevated Levels of Intestinal IgA Following Oral Administration of Lacticaseibacillus casei in mice.**Probiotics and antimicrobial proteins , Volume: 15 Issue: 3 2023 Jun****Authors Aindelis G,Ypsilantis P,Chlichlia K**Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces Enterobacteriaceae Family Abundance and Elevates Propionate in a Bioreactor Model.**Frontiers in microbiology , Volume: 12 2021****Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J**Influence of Diet on the Effect of the Probiotic Lactobacillus paracasei in Rats Suffering From Allergic Asthma.**Frontiers in microbiology , Volume: 12 2021****Authors Xie A,Song J,Lu S,Liu Y,Tang L,Wen S**Gut microbiota mediates the effects of inulin on enhancing sulfomucin production and mucosal barrier function in a pig model.**Food & function , Volume: 12 Issue: 21 2021 Nov 1****Authors Xia B,Wu W,Zhang L,Wen X,Xie J,Zhang H**Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.**Microbiology spectrum , 2021 Oct 6****Authors Liu A,Ma T,Xu N,Jin H,Zhao F,Kwok LY,Zhang H,Zhang S,Sun Z**The Gut Microbiota during a Behavioral Weight Loss Intervention.**Nutrients , Volume: 13 Issue: 9 2021 Sep 18****Authors Stanislawski MA,Frank DN,Borengasser SJ,Ostendorf DM,Ir D,Jambal P,Bing K,Wayland L,Siebert JC,Bessesen DH,MacLean PS,Melanson EL,Catenacci VA**Prebiotic Inulin Supplementation and Peripheral Insulin Sensitivity in adults at Elevated Risk for Type 2 Diabetes: A Pilot Randomized Controlled Trial.**Nutrients , Volume: 13 Issue: 9 2021 Sep 17****Authors Mitchell CM,Davy BM,Ponder MA,McMillan RP,Hughes MD,Hulver MW,Neilson AP,Davy KP**Intake of Koji Amazake Improves Defecation Frequency in Healthy Adults.**Journal of fungi (Basel, Switzerland) , Volume: 7 Issue: 9 2021 Sep 21****Authors Kurahashi A,Enomoto T,Oguro Y,Kojima-Nakamura A,Kodaira K,Watanabe K,Ozaki N,Goto H,Hirayama M**Lactobacillus reuteri FYNLJ109L1 Attenuating Metabolic Syndrome in Mice via Gut Microbiota Modulation and Alleviating Inflammation.**Foods (Basel, Switzerland) , Volume: 10 Issue: 9 2021 Sep 2****Authors Yang B,Zheng F,Stanton C,Ross RP,Zhao J,Zhang H,Chen W**Short-Chain Inulin Modulates the Cecal Microbiota Structure of Leptin Knockout Mice in High-Fat Diet.**Frontiers in microbiology , Volume: 12 2021****Authors Feng Y,Feng J,Wang L,Meng A,Wei S,Cui J,Hu X,Yan L**The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.**Advances in nutrition (Bethesda, Md.) , 2021 Sep 23****Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD**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 Dougnon V,Hounsa E,Agbodjento E,Keilah LP,Legba BB,Sintondji K,Afaton A,Klooe JR,Baba-Moussa L,Bankole H**  
Selenium-Enriched Lactobacillus acidophilus Ameliorates Dextran Sulfate Sodium-Induced Chronic Colitis in Mice by Regulating Inflammatory Cytokines and Intestinal Microbiota.**Frontiers in medicine , Volume: 8 2021****Authors Wu Z,Pan D,Jiang M,Sang L,Chang B**Lacticaseibacillus paracasei NK112 mitigates Escherichia coli-induced depression and cognitive impairment in mice by regulating IL-6 expression and gut microbiota.**Beneficial microbes , 2021 Sep 13**

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

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

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

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

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

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

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

Effects of Dietary Supplementation of *Lactobacillus delbrueckii* on Gut Microbiome and Intestinal Morphology in Weaned Piglets.

**Frontiers in veterinary science , Volume: 8 2021**

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

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**

*Lactobacillus paracasei S16 Alleviates Lumbar Disc Herniation by Modulating Inflammation Response and Gut Microbiota.*

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

**Authors Wang Z,Wu H,Chen Y,Chen H,Wang X,Yuan W**

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**

Quercetin Ameliorates Insulin Resistance and Restores Gut Microbiome in Mice on High-Fat Diets.

**Antioxidants (Basel, Switzerland) , Volume: 10 Issue: 8 2021 Aug 5**

**Authors Tan Y,Tam CC,Rolston M,Alves P,Chen L,Meng S,Hong H,Chang SKC,Yokoyama W**

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

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

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

A randomized, placebo-controlled trial investigating the acute and chronic benefits of American Ginseng (Cereboost®) on mood and cognition in healthy young adults, including in vitro investigation of gut microbiota changes as a possible mechanism of action.

**European journal of nutrition , 2021 Aug 15**

**Authors Bell L,Whyte A,Duysburgh C,Marzorati M,Van den Abbeele P,Le Cozannet R,Fança-Berthon P,Fromentin E,Williams C**

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

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

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

A bovine lactoferricin-lactoferrapin-encoding *Lactobacillus reuteri* C021 regulates the intestinal mucosal immunity and enhances the protection of piglets against enterotoxigenic *Escherichia coli* K88 challenge.

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

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

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn's disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

**Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 8 2021 Jun 23**

**Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Stagg AJ,Lindsay JO,Whelan K**

Effects of ginseng soluble dietary fiber on serum antioxidant status, immune factor levels and cecal health in healthy rats.

**Food chemistry , Volume: 365 2021 Jul 20**

**Authors Hua M,Liu Z,Sha J,Li S,Dong L,Sun Y**

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

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

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

*Lactobacillus casei LC89* exerts antidiabetic effects through regulating hepatic glucagon response and gut microbiota in type

2 diabetic mice.

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

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

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

**Microbial pathogenesis , Volume: 158 2021 Sep**

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

Dietary Supplementation with Inulin Modulates the Gut Microbiota and Improves Insulin Sensitivity in Prediabetes.

**International journal of endocrinology , Volume: 2021 2021**

Authors Wang X,Wang T,Zhang Q,Xu L,Xiao X

The interplay between fasting, gut microbiota, and lipid profile.

**International journal of clinical practice , Volume: 75 Issue: 10 2021 Oct**

Authors Mohammadzadeh A,Roshanravan N,Mesri Alamdar N,Safaiyan A,Mosharkesh E,Hadi A,Barati M,Ostadrahimi A

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

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

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

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

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

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

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

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

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

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

Improvement of Metabolic Syndrome in High-Fat Diet-Induced Mice by Yeast  $\beta$ -Glucan Is Linked to Inhibited Proliferation of *Lactobacillus* and *Lactococcus* in Gut Microbiota.

**Journal of agricultural and food chemistry , Volume: 69 Issue: 27 2021 Jul 14**

Authors Chen G,Chen D,Zhou W,Peng Y,Chen C,Shen W,Zeng X,Yuan Q

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

Protective effect of *Bifidobacterium bifidum* FSDJN705 and *Bifidobacterium breve* FHNFQ23M3 on diarrhea caused by enterotoxigenic *Escherichia coli*.

**Food & function , Volume: 12 Issue: 16 2021 Aug 21**

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

Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.

**Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation , 2021 Jun 11**

Authors Biruete A,Cross TL,Allen JM,Kistler BM,de Loor H,Evenepoel P,Fahey GC Jr,Bauer L,Swanson KS,Wilund KR

Circadian disruption-induced metabolic syndrome in mice is ameliorated by oat  $\beta$ -glucan mediated by gut microbiota.

**Carbohydrate polymers , Volume: 267 2021 Sep 1**

Authors Cheng WY,Lam KL,Li X,Kong AP,Cheung PC

*Lactobacillus paracasei* modulates the gut microbiota and improves inflammation in type 2 diabetic rats.

**Food & function , 2021 Jun 11**

Authors Zeng Z,Guo X,Zhang J,Yuan Q,Chen S

*Lactobacillus casei* CCFM1074 Alleviates Collagen-Induced Arthritis in Rats via Balancing Treg/Th17 and Modulating the Metabolites and Gut Microbiota.

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

Authors Fan Z,Ross RP,Stanton C,Hou B,Zhao J,Zhang H,Yang B,Chen W

Effect of *Lacticaseibacillus paracasei* Strain Shirota on Improvement in Depressive Symptoms, and Its Association with Abundance of Actinobacteria in Gut Microbiota.

**Microorganisms , Volume: 9 Issue: 5 2021 May 10**

**Authors Otaka M,Kikuchi-Hayakawa H,Ogura J,Ishikawa H,Yomogida Y,Ota M,Hidese S,Ishida I,Aida M,Matsuda K,Kawai M,Yoshida S,Kunugi H**

Preparation and photodynamic bactericidal effects of curcumin- $\beta$ -cyclodextrin complex.

**Food chemistry , Volume: 361 2021 Nov 1**

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

Beneficial gut microbiome remodeled during intermittent fasting in humans.

**Rejuvenation research , 2021 May 27**

**Authors Lerrick JW,Mendelsohn AR,Lerrick J**

Different *Bifidobacterium bifidum* strains change the intestinal flora composition of mice via different mechanisms to alleviate loperamide-induced constipation.

**Food & function , 2021 May 26**

**Authors Chai M,Wang L,Li X,Zhao J,Zhang H,Wang G,Chen W**

Amelioration of high-fat diet-induced obesity and its associated complications by a myricetin derivative-rich fraction from *Syzygium malaccense* in C57BL/6J mice.

**Food & function , Volume: 12 Issue: 13 2021 Jul 5**

**Authors Nallappan D,Chua KH,Ong KC,Chong CW,Teh CSJ,Palanisamy UD,Kuppusamy UR**

Curcumin alleviates high-fat diet-induced hepatic steatosis and obesity in association with modulation of gut microbiota in mice.

**Food research international (Ottawa, Ont.) , Volume: 143 2021 May**

**Authors Li S,You J,Wang Z,Liu Y,Wang B,Du M,Zou T**

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**

*Aspergillus oryzae* and *Aspergillus niger* Co-Cultivation Extract Affects In Vitro Degradation, Fermentation Characteristics, and Bacterial Composition in a Diet-Specific Manner.

**Animals : an open access journal from MDPI , Volume: 11 Issue: 5 2021 Apr 26**

**Authors Kong F,Lu N,Liu Y,Zhang S,Jiang H,Wang H,Wang W,Li S**

*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**

Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice.

**Nutrients , Volume: 13 Issue: 5 2021 Apr 24**

**Authors Neyrinck AM,Sánchez CR,Rodríguez J,Cani PD,Bindels LB,Delzenne NM**

Effects of *Bifidobacterium animalis* ssp. *lactis* 420 on gastrointestinal inflammation induced by a non-steroidal anti-inflammatory drug: a randomized, placebo-controlled, double-blind clinical trial.

**British journal of clinical pharmacology , 2021 Apr 27**

**Authors Mäkelä SM,Forssten SD,Kailajärvi M,Langén VL,Scheinin M,Tiihonen K,Ouwehand AC**

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

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

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

Remodeling of the gut microbiome during Ramadan-associated intermittent fasting.

**The American journal of clinical nutrition , Volume: 113 Issue: 5 2021 May 8**

**Authors Su J,Wang Y,Zhang X,Ma M,Xie Z,Pan Q,Peppelenbosch MP**

Effect of Korea red ginseng on nonalcoholic fatty liver disease: an association of gut microbiota with liver function.

**Journal of ginseng research , Volume: 45 Issue: 2 2021 Mar**

**Authors Hong JT,Lee MJ,Yoon SJ,Shin SP,Bang CS,Baik GH,Kim DJ,Youn GS,Shin MJ,Ham YL,Suk KT,Kim BS**

*Lacticaseibacillus paracasei* PS23 Effectively Modulates Gut Microbiota Composition and Improves Gastrointestinal Function in Aged SAMP8 Mice.

**Nutrients , Volume: 13 Issue: 4 2021 Mar 29**

**Authors Chen LH,Wang MF,Chang CC,Huang SY,Pan CH,Yeh YT,Huang CH,Chan CH,Huang HY**

Ingestion of High  $\beta$ -Glucan Barley Flour Enhances the Intestinal Immune System of Diet-Induced Obese Mice by Prebiotic Effects.

**Nutrients , Volume: 13 Issue: 3 2021 Mar 11**

**Authors Mio K,Otake N,Nakashima S,Matsuoka T,Aoe S**

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

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

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

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**

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

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

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

Beverages containing Lactobacillus paracasei LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites.

**Journal of dairy science , 2021 Mar 10**

**Authors Sun E,Zhang X,Zhao Y,Li J,Sun J,Mu Z,Wang R**

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**

Effects of Pretreatment with Bifidobacterium bifidum Using 16S Ribosomal RNA Gene Sequencing in a Mouse Model of Acute Colitis Induced by Dextran Sulfate Sodium.

**Medical science monitor : international medical journal of experimental and clinical research , Volume: 27 2021 Mar 9**

**Authors Weng YJ,Jiang DX,Liang J,Ye SC,Tan WK,Yu CY,Zhou Y**

Ramadan Fasting Leads to Shifts in Human Gut Microbiota Structured by Dietary Composition.

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

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

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

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

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

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**

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

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

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

Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial.

**European journal of nutrition , Volume: 60 Issue: 6 2021 Sep**

**Authors Neyrinck AM,Rodriguez J,Zhang Z,Seethaler B,Sánchez CR,Roumain M,Hiel S,Bindels LB,Cani PD,Paquot N,Cnops M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM**

Luteolin, inflammation and cancer: Special emphasis on gut microbiota.

**BioFactors (Oxford, England) , Volume: 47 Issue: 2 2021 Mar**

**Authors Franzia L,Carusi V,Nucera E,Pandolfi F**

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

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

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

Pretreatment with chitosan oligosaccharides attenuate experimental severe acute pancreatitis via inhibiting oxidative stress and modulating intestinal homeostasis.

**Acta pharmacologica Sinica , 2021 Jan 25**

**Authors** Mei QX,Hu JH,Huang ZH,Fan JJ,Huang CL,Lu YY,Wang XP,Zeng Y

Luteolin alleviates inflammation and modulates gut microbiota in ulcerative colitis rats.

**Life sciences , Volume: 269 2021 Mar 15**

**Authors** Li B,Du P,Du Y,Zhao D,Cai Y,Yang Q,Guo Z

Inulin ameliorates schizophrenia via modulation of the gut microbiota and anti-inflammation in mice.

**Food & function , Volume: 12 Issue: 3 2021 Feb 15**

**Authors** Guo L,Xiao P,Zhang X,Yang Y,Yang M,Wang T,Lu H,Tian H,Wang H,Liu J

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

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

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

Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M?Nuclear Factor?B-Nod-Like Receptor Protein 3 Pathway via gut-Liver Axis in Mice.

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

**Authors** Bao T,He F,Zhang X,Zhu L,Wang Z,Lu H,Wang T,Li Y,Yang S,Wang H

Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Long-Chain Inulin Intake.

**Molecular nutrition & food research , Volume: 65 Issue: 4 2021 Feb**

**Authors** Kiewiet MBG,Elderman ME,El Aidy S,Burgerhof JGM,Visser H,Vaughan EE,Faas MM,de Vos P

Chemoprevention of DMH-Induced Early Colon Carcinogenesis in Male BALB/c Mice by Administration of *Lactobacillus Paracasei* DTA81.

**Microorganisms , Volume: 8 Issue: 12 2020 Dec 14**

**Authors** da Silva Duarte V,Dos Santos Cruz BC,Tarrah A,Sousa Dias R,de Paula Dias Moreira L,Lemos Junior WJF,Fidélis Silva LC,Rocha Santana G,Licursi de Oliveira L,Gouveia Peluzio MDC,Mantovani HC,Corich V,Giacomini A,de Paula SO

Effect of *Bifidobacterium animalis* subsp. *lactis* MN-Gup on constipation and the composition of gut microbiota.

**Beneficial microbes , 2020 Dec 14**

**Authors** Wang R,Sun J,Li G,Zhang M,Niu T,Kang X,Zhao H,Chen J,Sun E,Li Y

Cow, Goat, and Mare Milk Diets Differentially Modulated the Immune System and Gut Microbiota of Mice Colonized by Healthy Infant Feces.

**Journal of agricultural and food chemistry , Volume: 68 Issue: 51 2020 Dec 23**

**Authors** Li N,Xie Q,Chen Q,Evvie SE,Liu D,Dong J,Huo G,Li B

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

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

**Authors** El Hassani FZ

Modulation of gut microbiota and intestinal barrier function during alleviation of antibiotic-associated diarrhea with *Rhizoma Zingiber officinale* (Ginger) extract.

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

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

Antibacterial Activity of Honey Samples from Ukraine.

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

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

Yeast β-glucan, a potential prebiotic, showed a similar probiotic activity to inulin.

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

**Authors** Wang H,Chen G,Li X,Zheng F,Zeng X

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

**European journal of nutrition , 2020 Nov 22**

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

*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

Prebiotic-like effects of chitosan on the intestinal microflora in mice.

**Pakistan journal of pharmaceutical sciences , Volume: 33 Issue: 3 2020 May**

**Authors** Zhang D,Xing Y,Liu LK,Li XL

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

[Influence of Lactobacillus reuteri SL001 on intestinal microbiota in AD model mice and C57BL/6 mice].

**Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 36 Issue: 9 2020 Sep 25**

**Authors Liu M,Hu R,Guo Y,Sun W,Li J,Fan M,Wang Y,Du H,Tang Z,Chai C**

Enterococcus faecium R0026 combined with Bacillus subtilis R0179 prevent obesity-associated hyperlipidaemia and modulate gut microbiota in C57BL/6 mice.

**Journal of microbiology and biotechnology , 2020 Oct 20**

**Authors Huang J,Huang J,Yin T,Lv H,Zhang P,Li H**

Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice.

**European journal of nutrition , Volume: 60 Issue: 4 2021 Jun**

**Authors Guo Y,Yu Y,Li H,Ding X,Li X,Jing X,Chen J,Liu G,Lin Y,Jiang C,Liu Z,He Y,Li C,Tian Z**

Assessing the Effects of Ginger Extract on Polyphenol Profiles and the Subsequent Impact on the Fecal Microbiota by Simulating Digestion and Fermentation In Vitro.

**Nutrients , Volume: 12 Issue: 10 2020 Oct 19**

**Authors Wang J,Chen Y,Hu X,Feng F,Cai L,Chen F**

The in vitro Effects of the Probiotic Strain, Lactobacillus casei ZX633 on Gut Microbiota Composition in Infants With Diarrhea.

**Frontiers in cellular and infection microbiology , Volume: 10 2020**

**Authors Wang X,Zhang M,Wang W,Lv H,Zhang H,Liu Y,Tan Z**

Lactobacillus delbrueckii subsp. bulgaricus KLD 1.0207 Exerts Antimicrobial and Cytotoxic Effects in vitro and Improves Blood Biochemical Parameters in vivo Against Notable Foodborne Pathogens.

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

**Authors Evivie SE,Abdelazez A,Li B,Lu S,Liu F,Huo G**

Distinct Effects of Milks From Various Animal Types on Infant Fecal Microbiota Through in vitro Fermentations.

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

**Authors Li N,Li B,Guan J,Shi J,Evivie SE,Zhao L,Huo G,Wang S**

Bacillus subtilis and Enterococcus faecium co-fermented feed regulates lactating sow's performance, immune status and gut microbiota.

**Microbial biotechnology , Volume: 14 Issue: 2 2021 Mar**

**Authors Wang C,Wei S,Xu B,Hao L,Su W,Jin M,Wang Y**

Effect of resveratrol and quercetin on the susceptibility of Escherichia coli to antibiotics.

**World journal of microbiology & biotechnology , Volume: 36 Issue: 11 2020 Oct 6**

**Authors Oktyabrsky ON,Bezmaternykh KV,Smirnova GV,Tyulenev AV**

Effect of Combined Live Probiotics Alleviating the Gastrointestinal Symptoms of Functional Bowel Disorders.

**Gastroenterology research and practice , Volume: 2020 2020**

**Authors Shi J,Gao F,Zhang J**

Bifidobacterium bifidum TMC3115 ameliorates milk protein allergy in by affecting gut microbiota: A randomized double-blind control trial.

**Journal of food biochemistry , Volume: 44 Issue: 11 2020 Nov**

**Authors Jing W,Liu Q,Wang W**

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

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

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

Highland Barley Whole Grain (*Hordeum vulgare L.*) Ameliorates Hyperlipidemia by Modulating Cecal Microbiota, miRNAs, and AMPK Pathways in Leptin Receptor-Deficient db/db Mice.

**Journal of agricultural and food chemistry , Volume: 68 Issue: 42 2020 Oct 21**

**Authors Deng N,He Z,Guo R,Zheng B,Li T,Liu RH**

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**

Differences in Intestinal Metabolism of Ginseng Between Normal and Immunosuppressed Rats.

**European journal of drug metabolism and pharmacokinetics , Volume: 46 Issue: 1 2021 Jan**

**Authors Zhu JH,Xu JD,Zhou SS,Zhang XY,Zhou J,Kong M,Mao Q,Zhu H,Li SL**

Effect of Alliaceae Extract Supplementation on Performance and Intestinal Microbiota of Growing-Finishing Pig.

**Animals : an open access journal from MDPI , Volume: 10 Issue: 9 2020 Sep 2**

**Authors Sánchez CJ,Martínez-Miró S,Ariza JJ,Madrid J,Orengo J,Aguinaga MA,Baños A,Hernández F**

Antibacterial Activity and Mechanism of Ginger Essential Oil against Escherichia coli and Staphylococcus aureus.

**Molecules (Basel, Switzerland) , Volume: 25 Issue: 17 2020 Aug 30**

**Authors Wang X,Shen Y,Thakur K,Han J,Zhang JG,Hu F,Wei ZJ**

Erratum: Lactobacillus delbrueckii ssp. lactis R4 Prevents Salmonella typhimurium SL1344-Induced Damage to Tight Junctions and Adherens Junctions.

**Journal of microbiology (Seoul, Korea)** , Volume: 58 Issue: 9 2020 Sep

Authors Yu Q,Zhu L,Wang Z,Li P,Yang Q

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

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

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

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

**Carbohydrate polymers** , Volume: 247 2020 Nov 1

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

Lactobacillus plantarum PS128 Improves Physiological Adaptation and Performance in Triathletes through Gut Microbiota Modulation.

**Nutrients** , Volume: 12 Issue: 8 2020 Aug 1

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

Impact of Heat-Killed Lactobacillus casei Strain IMAU60214 on the Immune Function of Macrophages in Malnourished Children.

**Nutrients** , Volume: 12 Issue: 8 2020 Jul 31

Authors Rocha-Ramírez LM,Hernández-Ochoa B,Gómez-Manzo S,Marcial-Quino J,Cárdenas-Rodríguez N,Centeno-Leija S,García-Garibay M

Dietary Mannan-oligosaccharides potentiate the beneficial effects of Bifidobacterium bifidum in broiler chicken.

**Letters in applied microbiology** , Volume: 71 Issue: 5 2020 Nov

Authors Dev K,Akbar Mir N,Biswas A,Kannoujia J,Begum J,Kant R

Curcumin, a Natural Antimicrobial Agent with Strain-Specific Activity.

**Pharmaceuticals (Basel, Switzerland)** , Volume: 13 Issue: 7 2020 Jul 16

Authors Adamczak A,Ozarowski M,Karpinski TM

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

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

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

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

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

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

Antioxidant and antibacterial activities of multiflora honey extracts from the Indonesian Apis cerana bee.

**Journal of Taibah University Medical Sciences** , Volume: 15 Issue: 3 2020 Jun

Authors Nayaka NMDMW,Fidrianny I,Sukrasno,Hartati R,Singgih M

Transcriptomic analysis of multi-drug resistant Escherichia coli K-12 strain in response to Lavandula angustifolia essential oil.

**3 Biotech** , Volume: 10 Issue: 7 2020 Jul

Authors Lai PJ,Ng EV,Yang SK,Moo CL,Low WY,Yap PS,Lim SE,Lai KS

Rosemary and Tea Tree Essential Oils Exert Antibiofilm Activities In Vitro against Staphylococcus aureus and Escherichia coli.

**Journal of food protection** , Volume: 83 Issue: 7 2020 Jul 1

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

[Anti-microbial activity of Rosmarinus officinalis and Zingiber officinale extracts on the species of the genus Candida and on Streptococcus pneumonia].

**Annales pharmaceutiques francaises** , Volume: 79 Issue: 1 2021 Jan

Authors Akroum S

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

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

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

Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.

**International journal of molecular sciences** , Volume: 21 Issue: 11 2020 Jun 10

Authors Spisni E,Petrocelli G,Imbesi V,Spigarelli R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC

The ameliorative effect of Lactobacillus plantarum Y44 oral administration on inflammation and lipid metabolism in obese mice fed with a high fat diet.

**Food & function** , Volume: 11 Issue: 6 2020 Jun 24

**Authors Liu Y,Gao Y,Ma F,Sun M,Mu G,Tuo Y**

Yeast β-glucan alleviates cognitive deficit by regulating gut microbiota and metabolites in Aβ(1)-(42)-induced AD-like mice.

**International journal of biological macromolecules , Volume: 161 2020 Oct 15**

**Authors Xu M,Mo X,Huang H,Chen X,Liu H,Peng Z,Chen L,Rong S,Yang W,Xu S,Liu L**

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**

Dendrobium officinale Kimura et Migo and American ginseng mixture: A Chinese herbal formulation for gut microbiota modulation.

**Chinese journal of natural medicines , Volume: 18 Issue: 6 2020 Jun**

**Authors Liu CZ,Chen W,Wang MX,Wang Y,Chen LQ,Zhao F,Shi Y,Liu HJ,Dou XB,Liu C,Chen H**

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

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

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

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

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

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

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

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

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

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPARα signal pathway and gut microbiota.

**Applied microbiology and biotechnology , Volume: 104 Issue: 13 2020 Jul**

**Authors Cai H,Wen Z,Li X,Meng K,Yang P**

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**

< i>Lactobacillus paracasei</i> subsp. < i>paracasei</i> NTU 101 lyophilized powder improves loperamide-induced constipation in rats.

**Heliyon , Volume: 6 Issue: 4 2020 Apr**

**Authors Chen CL,Chao SH,Pan TM**

Lactobacillus plantarum NA136 ameliorates nonalcoholic fatty liver disease by modulating gut microbiota, improving intestinal barrier integrity, and attenuating inflammation.

**Applied microbiology and biotechnology , Volume: 104 Issue: 12 2020 Jun**

**Authors Zhao Z,Chen L,Zhao Y,Wang C,Duan C,Yang G,Niu C,Li S**

Effect of chicory inulin-type fructan-containing snack bars on the human gut microbiota in low dietary fiber consumers in a randomized crossover trial.

**The American journal of clinical nutrition , Volume: 111 Issue: 6 2020 Jun 1**

**Authors Reimer RA,Soto-Vaca A,Nicolucci AC,Mayengbam S,Park H,Madsen KL,Menon R,Vaughan EE**

Lactobacillus reuteri attenuated allergic inflammation induced by HDM in the mouse and modulated gut microbes.

**PLoS one , Volume: 15 Issue: 4 2020**

**Authors Li L,Fang Z,Liu X,Hu W,Lu W,Lee YK,Zhao J,Zhang H,Chen W**

Regulatory effects of Lactobacillus plantarum HY7714 on skin health by improving intestinal condition.

**PLoS one , Volume: 15 Issue: 4 2020**

**Authors Nam B,Kim SA,Park SD,Kim HJ,Kim JS,Bae CH,Kim JY,Nam W,Lee JL,Sim JH**

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**

The effects of daily fasting hours on shaping gut microbiota in mice.

**BMC microbiology , Volume: 20 Issue: 1 2020 Mar 24**

Authors Li L,Su Y,Li F,Wang Y,Ma Z,Li Z,Su J

Ethanol extract of propolis prevents high-fat diet-induced insulin resistance and obesity in association with modulation of gut microbiota in mice.

Food research international (Ottawa, Ont.) , Volume: 130 2020 Apr

Authors Cai W,Xu J,Li G,Liu T,Guo X,Wang H,Luo L

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.

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

Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B

Stable Colonization of Orally Administered Lactobacillus casei SY13 Alters the Gut Microbiota.

BioMed research international , Volume: 2020 2020

Authors Yue Y,Xu X,Yang B,Lu J,Zhang S,Liu L,Nassar K,Zhang C,Zhang M,Pang X,Lv J

Prebiotic activity of garlic (<i>Allium sativum</i>) extract on <i>Lactobacillus acidophilus</i>.

Veterinary world , Volume: 12 Issue: 12 2019 Dec

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

Structural changes in gut microbiome after Ramadan fasting: a pilot study.

Beneficial microbes , Volume: 11 Issue: 3 2020 May 11

Authors Ozkul C,Yalinay M,Karakan T

In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.

Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb

Authors Henrique-Bana FC,Wang X,Costa GN,Spinosa WA,Miglioranza LHS,Scorletti E,Calder PC,Byrne CD,Gibson GR

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

Gut microbes , 2020 Jan 13

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

Lactobacillus casei ATCC 393 alleviates Enterotoxigenic Escherichia coli K88-induced intestinal barrier dysfunction via TLRs/mast cells pathway.

Life sciences , Volume: 244 2020 Mar 1

Authors Xu C,Yan S,Guo Y,Qiao L,Ma L,Dou X,Zhang B

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

Food for thought about manipulating gut bacteria.

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM,Bindels LB

Islamic fasting leads to an increased abundance of Akkermansia muciniphila and Bacteroides fragilis group: A preliminary study on intermittent fasting.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 30 Issue: 12 2019 Dec

Authors Özkul C,Yalinay M,Karakan T

Changes in human gut microbiota composition are linked to the energy metabolic switch during 10 d of Buchinger fasting.

Journal of nutritional science , Volume: 8 2019

Authors Mesnage R,Grundler F,Schwiertz A,Le Maho Y,Wilhelmi de Toledo F

Chitosan Ameliorates DSS-Induced Ulcerative Colitis Mice by Enhancing Intestinal Barrier Function and Improving Microflora.

International journal of molecular sciences , Volume: 20 Issue: 22 2019 Nov 15

Authors Wang J,Zhang C,Guo C,Li X

Chemical Composition and Antimicrobial Effectiveness of Ocimum gratissimum L. Essential Oil Against Multidrug-Resistant Isolates of *Staphylococcus aureus* and *Escherichia coli*.

Molecules (Basel, Switzerland) , Volume: 24 Issue: 21 2019 Oct 26

Authors Melo RS,Albuquerque Azevedo ÁM,Gomes Pereira AM,Rocha RR,Bastos Cavalcante RM,Carneiro Matos MN,Ribeiro Lopes PH,Gomes GA,Soares Rodrigues TH,Santos HSD,Ponte IL,Costa RA,Brito GS,Catunda Júnior FEA,Carneiro VA

Dietary intervention using (1,3)/(1,6)- $\beta$ -glucan, a fungus-derived soluble prebiotic ameliorates high-fat diet-induced metabolic distress and alters beneficially the gut microbiota in mice model.

European journal of nutrition , Volume: 59 Issue: 6 2020 Sep

Authors Muthuramalingam K,Singh V,Choi C,Choi SI,Kim YM,Unno T,Cho M

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.

European journal of nutrition , 2019 Oct 11

Authors Hess AL,Benítez-Páez A,Blædel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.

Propolis modulates the gut microbiota and improves the intestinal mucosal barrier function in diabetic rats.

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

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

Lactobacillus reuteri protects mice against *Salmonella typhimurium* challenge by activating macrophages to produce nitric oxide.

**Microbial pathogenesis , Volume: 137 2019 Sep 17**

Authors Jiang P,Yang W,Jin Y,Huang H,Shi C,Jiang Y,Wang J,Kang Y,Wang C,Yang G

*< i>Lactobacillus reuteri</i>* DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.

**American journal of physiology. Gastrointestinal and liver physiology , 2019 Sep 4**

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM

Enterococcus faecium NCIMB 10415 administration improves the intestinal health and immunity in neonatal piglets infected by enterotoxigenic Escherichia coli K88.

**Journal of animal science and biotechnology , Volume: 10 2019**

Authors Peng X,Wang R,Hu L,Zhou Q,Liu Y,Yang M,Fang Z,Lin Y,Xu S,Feng B,Li J,Jiang X,Zhuo Y,Li H,Wu D,Che L

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

Symbiotic-like effect of linoleic acid overproducing *Lactobacillus casei* with berry phenolic extracts against pathogenesis of enterohemorrhagic Escherichia coli.

**Gut pathogens , Volume: 11 2019**

Authors Tabashsum Z,Peng M,Bernhardt C,Patel P,Carrion M,Biswas D

Effect of Bay Leaves Essential Oil Concentration on the Properties of Biodegradable Carboxymethyl Cellulose-Based Edible Films.

**Materials (Basel, Switzerland) , Volume: 12 Issue: 15 2019 Jul 24**

Authors Rincón E,Serrano L,Balu AM,Aguilar JJ,Luque R,García A

Dietary Factors and Modulation of Bacteria Strains of *< i>Akkermansia muciniphila</i>* and *< i>Faecalibacterium prausnitzii</i>*: A Systematic Review.

**Nutrients , Volume: 11 Issue: 7 2019 Jul 11**

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

Effects of a formula with a probiotic *Bifidobacterium lactis* Supplement on the gut microbiota of low birth weight infants.

**European journal of nutrition , Volume: 59 Issue: 4 2020 Jun**

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in *< i>Citrobacter rodentium</i>* Infected Mice.

**Frontiers in microbiology , Volume: 10 2019**

Authors Lin R,Piao M,Song Y

Preventive Effects and Mechanisms of Garlic on Dyslipidemia and Gut Microbiome Dysbiosis.

**Nutrients , Volume: 11 Issue: 6 2019 May 29**

Authors Chen K,Xie K,Liu Z,Nakasone Y,Sakao K,Hossain A,Hou DX

The role of short-chain fatty acids in microbiota-gut-brain communication.

**Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug**

Authors Dalile B,Van Oudenhove L,Vervliet B,Verbeke K

Fermented *Momordica charantia* L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.

**Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul**

Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY

Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.

**The American journal of clinical nutrition , Volume: 109 Issue: 6 2019 Jun 1**

Authors Hiel S,Bindels LB,Pachikian BD,Kalala G,Broers V,Zamariola G,Chang BPI,Kambashi B,Rodriguez J,Cani PD,Neyrinck AM,Thissen JP,Luminet O,Bindelle J,Delzenne NM

Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.

**The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1**

Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschamps M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium

Orally administered *Lactobacillus casei* exhibited several probiotic properties in artificially suckling rabbits.

**Asian-Australasian journal of animal sciences , Volume: 33 Issue: 8 2020 Aug 1**

**Authors Shen XM,Cui HX,Xu XR**

Lactobacillus reuteri Reduces the Severity of Experimental Autoimmune Encephalomyelitis in Mice by Modulating Gut Microbiota.

**Frontiers in immunology , Volume: 10 2019**

**Authors He B,Hoang TK,Tian X,Taylor CM,Blanchard E,Luo M,Bhattacharjee MB,Freeborn J,Park S,Couturier J,Lindsey JW,Tran DQ,Rhoads JM,Liu Y**

Beneficial effects of ginger on prevention of obesity through modulation of gut microbiota in mice.

**European journal of nutrition , Volume: 59 Issue: 2 2020 Mar**

**Authors Wang J,Wang P,Li D,Hu X,Chen F**

Effects of dietary supplementation of probiotic Enterococcus faecium on growth performance and gut microbiota in weaned piglets.

**AMB Express , Volume: 9 Issue: 1 2019 Mar 1**

**Authors Hu C,Xing W,Liu X,Zhang X,Li K,Liu J,Deng B,Deng J,Li Y,Tan C**

Functional Interactions between Gut Microbiota Transplantation, Quercetin, and High-Fat Diet Determine Non-Alcoholic Fatty Liver Disease Development in Germ-Free Mice.

**Molecular nutrition & food research , Volume: 63 Issue: 8 2019 Apr**

**Authors Porras D,Nistal E,Martínez-Flórez S,Olcoz JL,Jover R,Jorquera F,González-Gallego J,García-Mediavilla MV,Sánchez-Campos S**

The Inflammatory Response to Enterotoxigenic E. coli and Probiotic E. faecium in a Coculture Model of Porcine Intestinal Epithelial and Dendritic Cells.

**Mediators of inflammation , Volume: 2018 2018**

**Authors Loss H,Aschenbach JR,Tedin K,Ebner F,Lodemann U**

Protein-Bound β-glucan from Coriolus Versicolor has Potential for Use Against Obesity.

**Molecular nutrition & food research , Volume: 63 Issue: 7 2019 Apr**

**Authors Li X,Chen P,Zhang P,Chang Y,Cui M,Duan J**

Lactobacillus reuteri HCM2 protects mice against Enterotoxigenic Escherichia coli through modulation of gut microbiota.

**Scientific reports , Volume: 8 Issue: 1 2018 Nov 30**

**Authors Wang T,Teng K,Liu G,Liu Y,Zhang J,Zhang X,Zhang M,Tao Y,Zhong J**

Linoleic Acids Overproducing Lactobacillus casei Limits Growth, Survival, and Virulence of Salmonella Typhimurium and Enterohaemorrhagic Escherichia coli.

**Frontiers in microbiology , Volume: 9 2018**

**Authors Peng M,Tabashsum Z,Patel P,Bernhardt C,Biswas D**

Identification of factors involved in Enterococcus faecalis biofilm under quercetin stress.

**Microbial pathogenesis , Volume: 126 2019 Jan**

**Authors Qayyum S,Sharma D,Bisht D,Khan AU**

Strategies to promote abundance of <i>Akkermansia muciniphila</i>, an emerging probiotics in the gut, evidence from dietary intervention studies.

**Journal of functional foods , Volume: 33 2017 Jun**

**Authors Zhou K**

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**

Antidepressant Effects of Rosemary Extracts Associate With Anti-inflammatory Effect and Rebalance of Gut Microbiota.

**Frontiers in pharmacology , Volume: 9 2018**

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

Exploring Effects of Chitosan Oligosaccharides on Mice Gut Microbiota in <i>in vitro</i> Fermentation and Animal Model.

**Frontiers in microbiology , Volume: 9 2018**

**Authors Zhang C,Jiao S,Wang ZA,Du Y**

Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.

**Natural product research , 2018 Oct 13**

**Authors Condò C,Anacarso I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P**

Effects of Whole Milk Supplementation on Gut Microbiota and Cardiometabolic Biomarkers in Subjects with and without Lactose Malabsorption.

**Nutrients , Volume: 10 Issue: 10 2018 Oct 2**

**Authors Li X,Yin J,Zhu Y,Wang X,Hu X,Bao W,Huang Y,Chen L,Chen S,Yang W,Shan Z,Liu L**

Effects of daily consumption of the probiotic *Bifidobacterium animalis* subsp. *lactis* CECT 8145 on anthropometric adiposity

biomarkers in abdominally obese subjects: a randomized controlled trial.

**International journal of obesity (2005) , 2018 Sep 27**

**Authors Pedret A,Valls RM,Calderón-Pérez L,Llaudat E,Companys J,Pla-Pagà L,Moragas A,Martín-Luján F,Ortega Y,Giralt M,Caimari A,Chenoll E,Genovés S,Martorell P,Codoñer FM,Ramón D,Arola L,Solà R**

Probiotic < i>Lactobacillus plantarum</i> Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.

**Frontiers in microbiology , Volume: 9 2018**

**Authors Wang J,Ji H,Wang S,Liu H,Zhang W,Zhang D,Wang Y**

The effect of lavender (*Lavandula angustifolia*) essential oil as a drinking water supplement on the production performance, blood biochemical parameters, and ileal microflora in broiler chickens.

**Poultry science , Volume: 98 Issue: 1 2019 Jan 1**

**Authors Adaszynska-Skwirzynska M,Szczerbinska D**

Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.

**Archives of animal nutrition , Volume: 72 Issue: 6 2018 Dec**

**Authors Li B,Schroyen M,Leblois J,Wavreille J,Soyeurt H,Bindelle J,Everaert N**

Effects of Natural Flavonoid Isoorientin on Growth Performance and Gut Microbiota of Mice.

**Journal of agricultural and food chemistry , Volume: 66 Issue: 37 2018 Sep 19**

**Authors Yuan L,Li X,He S,Gao C,Wang C,Shao Y**

Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

**Journal of evidence-based integrative medicine , Volume: 23 2018 Jan-Dec**

**Authors Peterson CT Vaughn AR,Sharma V,Chopra D,Mills PJ,Peterson SN,Sivamani RK**

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

**The Journal of nutritional biochemistry , Volume: 59 2018 Sep**

**Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK**

Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections.

**Molecules (Basel, Switzerland) , Volume: 23 Issue: 7 2018 Jul 9**

**Authors Ebani W,Nardoni S,Bertelloni F,Pistelli L,Mancianti F**

Bifidobacterium bifidum TMC3115 Can Characteristically Influence Glucose and Lipid Profile and Intestinal Microbiota in the Middle-Aged and Elderly.

**Probiotics and antimicrobial proteins , 2018 Jul 5**

**Authors Wang K,Yu X,Li Y,Guo Y,Ge L,Pu F,Ma X,Cui W,Marrota F,He F,Li M**

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

**Frontiers in genetics , Volume: 9 2018**

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

Beneficial effects of the commercial lactic acid bacteria product, Vigilis 101, on gastric mucosa and intestinal bacterial flora in rats.

**Journal of microbiology, immunology, and infection – Wei mian yu gan ran za zhi , 2018 Jun 23**

**Authors Kao L,Liu TH,Tsai TY,Pan TM**

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

**Pharmaceutical biology , Volume: 56 Issue: 1 2018 Dec**

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

Enterococcus faecium WEFA23 from infant lessens high-fat-diet-induced hyperlipidemia via cholesterol 7-alpha-hydroxylase gene by altering the composition of gut microbiota in rats.

**Journal of dairy science , 2018 Jun 20**

**Authors Huang F,Zhang F,Xu D,Zhang Z,Xu F,Tao X,Qiu L,Wei H**

Probiotics L. acidophilus and B. clausii Modulate Gut Microbiota in Th1- and Th2-Biased Mice to Ameliorate Salmonella Typhimurium-Induced Diarrhea.

**Probiotics and antimicrobial proteins , 2018 Jun 16**

**Authors Pradhan B,Guha D,Naik AK,Banerjee A,Tambat S,Chawla S,Senapati S,Aich P**

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 Masaik AM,Poh HW,Bin OY,Elawad I,Alsayed B**

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**

Role of <i>Lactobacillus reuteri</i> in Human Health and Diseases.

**Frontiers in microbiology , Volume: 9 2018**

**Authors Mu Q,Tavella VJ,Luo XM**

Screening and characterization of selected drugs having antibacterial potential.

**Pakistan journal of pharmaceutical sciences , Volume: 31 Issue: 3 2018 May**

**Authors Javed H,Tabassum S,Erum S,Murtaza I,Muhammad A,Amin F,Nisar MF**

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**

Chitosan oligosaccharides improve the disturbance in glucose metabolism and reverse the dysbiosis of gut microbiota in diabetic mice.

**Carbohydrate polymers , Volume: 190 2018 Jun 15**

**Authors Zheng J,Yuan X,Cheng G,Jiao S,Feng C,Zhao X,Yin H,Du Y,Liu H**

The Influence of Feed-Supplementation with Probiotic Strain *Lactobacillus reuteri* CCM 8617 and Alginite on Intestinal Microenvironment of SPF Mice Infected with *Salmonella Typhimurium* CCM 7205.

**Probiotics and antimicrobial proteins , 2018 Apr 7**

**Authors Gancarcíková S,Nemcová R,Popper M,Hrková G,Sciranková L,Madar M,Mudronová D,Vilcek Š,Žitnan R**

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**

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

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

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

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**

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

**PeerJ , Volume: 6 2018**

**Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X**

Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation.

**Applied and environmental microbiology , Volume: 84 Issue: 9 2018 May 1**

**Authors Rivière A,Selak M,Geirnaert A,Van den Abbeele P,De Vuyst L**

Phytochemical screening and biological activity of Lamiaceae family plant extracts.

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

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

Potential of *Lactobacillus plantarum* ZDY2013 and *Bifidobacterium bifidum* WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.

**Canadian journal of microbiology , 2018 Feb 5**

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

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

Prebiotic Dietary Fiber and Gut Health: Comparing the in Vitro Fermentations of Beta-Glucan, Inulin and Xylooligosaccharide.

Nutrients , Volume: 9 Issue: 12 2017 Dec 15

Authors Carlson JL,Erickson JM,Hess JM,Gould TJ,Slavin JL

Effect of Probiotics on Pharmacokinetics of Orally Administered Acetaminophen in Mice.

Drug metabolism and disposition: the biological fate of chemicals , Volume: 46 Issue: 2 2018 Feb

Authors Kim JK,Choi MS,Jeong JJ,Lim SM,Kim IS,Yoo HH,Kim DH

Effects of Lactobacillus acidophilus on gut microbiota composition in broilers challenged with Clostridium perfringens.

PLoS one , Volume: 12 Issue: 11 2017

Authors Li Z,Wang W,Liu D,Guo Y

Low-Molecular-Weight Chitosan Supplementation Increases the Population of <i>Prevotella</i> in the Cecal Contents of Weanling Pigs.

Frontiers in microbiology , Volume: 8 2017

Authors Yu T,Wang Y,Chen S,Hu M,Wang Z,Wu G,Ma X,Chen Z,Zheng C

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

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

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

Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.

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

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

In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.

Journal of food science and technology , Volume: 54 Issue: 12 2017 Nov

Authors Ashraf SA,Al-Shammari E,Hussain T,Tajuddin S,Panda BP

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

Effect of Functional Oligosaccharides and Ordinary Dietary Fiber on Intestinal Microbiota Diversity.

Frontiers in microbiology , Volume: 8 2017

Authors Cheng W,Lu J,Li B,Lin W,Zhang Z,Wei X,Sun C,Chi M,Bi W,Yang B,Jiang A,Yuan J

Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs.

The Journal of nutrition , Volume: 147 Issue: 11 2017 Nov

Authors Fouhse JM,Gänzle MG,Beattie AD,Vasanthan T,Zijlstra RT

Assessment of plaque regrowth with a probiotic toothpaste containing <i>Lactobacillus paracasei</i>: A spectrophotometric study.

Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 35 Issue: 4 2017 Oct-Dec

Authors Srinivasan S,Nandlal B,Rao MVS

Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.

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

Authors Semeniuc CA,Pop CR,Rotar AM

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 IJ

Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.

Journal of microbiology, immunology, and infection - Wei mian yu gan ran za zhi , 2017 Aug 29

Authors Lin TH,Pan TM

Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.

Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017

Aug 30

Authors Lin X,Chen X,Tu Y,Wang S,Chen H

Lactobacillus plantarum LP-Only alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.

Molecular medicine reports , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

Consumption of an acid protease derived from Aspergillus oryzae causes bifidogenic effect in rats.

**Nutrition research (New York, N.Y.) , Volume: 44 2017 Aug**

**Authors Yang Y,Iwamoto A,Kumrungsee T,Okazaki Y,Kuroda M,Yamaguchi S,Kato N**

Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.

**Food & nutrition research , Volume: 61 Issue: 1 2017**

**Authors Shen L,Liu L,Ji HF**

Dietary Propolis Ameliorates Dextran Sulfate Sodium-Induced Colitis and Modulates the Gut Microbiota in Rats Fed a Western Diet.

**Nutrients , Volume: 9 Issue: 8 2017 Aug 14**

**Authors Wang K,Jin X,You M,Tian W,Le Leu RK,Topping DL,Conlon MA,Wu L,Hu F**

Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.

**Food & function , Volume: 8 Issue: 9 2017 Sep 20**

**Authors Wang G,Li X,Zhao J,Zhang H,Chen W**

Specific Signatures of the Gut Microbiota and Increased Levels of Butyrate in Children Treated with Fermented Cow's Milk Containing Heat-Killed Lactobacillus paracasei CBA L74.

**Applied and environmental microbiology , Volume: 83 Issue: 19 2017 Oct 1**

**Authors Berni Canani R,De Filippis F,Nocerino R,Laiola M,Paparo L,Calignano A,De Caro C,Coretti L,Chiariotti L,Gilbert JA,Ercolini D**

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**

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

**Diabetes research and clinical practice , Volume: 130 2017 Aug**

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

The effects of the Lactobacillus casei strain on obesity in children: a pilot study.

**Beneficial microbes , Volume: 8 Issue: 4 2017 Aug 24**

**Authors Nagata S,Chiba Y,Wang C,Yamashiro Y**

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**

Probiotic yogurt and acidified milk similarly reduce postprandial inflammation and both alter the gut microbiota of healthy, young men.

**The British journal of nutrition , Volume: 117 Issue: 9 2017 May**

**Authors Burton KJ,Rosikiewicz M,Pimentel G,Bütkofer U,von Ah U,Voirol MJ,Croxatto A,Aeby S,Drai J,McTernan PG,Greub G,Pralong FP,Vergères G,Vionnet N**

Association between Yogurt Consumption and Intestinal Microbiota in Healthy Young Adults Differs by Host Gender.

**Frontiers in microbiology , Volume: 8 2017**

**Authors Suzuki Y,Ikeda K,Sakuma K,Kawai S,Sawaki K,Asahara T,Takahashi T,Tsuji H,Nomoto K,Nagpal R,Wang C,Nagata S,Yamashiro Y**

Effect of dietary supplementation with Lactobacillus acidophilus D2/CSL (CECT 4529) on caecum microbiota and productive performance in broiler chickens.

**PLoS one , Volume: 12 Issue: 5 2017**

**Authors De Cesare A,Sirri F,Manfreda G,Moniaci P,Giardini A,Zampiga M,Meluzzi A**

Effect of a probiotic beverage consumption (Enterococcus faecium CRL 183 and Bifidobacterium longum ATCC 15707) in rats with chemically induced colitis.

**PLoS one , Volume: 12 Issue: 4 2017**

**Authors Celiberto LS,Bedani R,Dejani NN,Ivo de Medeiros A,Sampaio Zuanon JA,Spolidorio LC,Tallarico Adorno MA,Amâncio Varesche MB,Carrilho Galvão F,Valentini SR,Font de Valdez G,Rossi EA,Cavallini DCU**

Improved antimicrobial effect of ginseng extract by heat transformation.

**Journal of ginseng research , Volume: 41 Issue: 2 2017 Apr**

**Authors Xue P,Yao Y,Yang XS,Feng J,Ren GX**

Inulin with different degrees of polymerization modulates composition of intestinal microbiota in mice.

**FEMS microbiology letters , Volume: 364 Issue: 10 2017 May 1**

**Authors Zhu L,Qin S,Zhai S,Gao Y,Li L**

Antagonistic Activity of < i>Lactobacillus reuteri</i> Strains on the Adhesion Characteristics of Selected Pathogens.

**Frontiers in microbiology** , Volume: 8 2017

Authors Singh TP,Kaur G,Kapila S,Malik RK

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

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

Authors Bohora AA,Kokate SR

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

**International journal of analytical chemistry** , Volume: 2017 2017

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

In vitro fermentation of oat β-glucan and hydrolysates by fecal microbiota and selected probiotic strains.

**Journal of the science of food and agriculture** , Volume: 97 Issue: 12 2017 Sep

Authors Dong JL,Yu X,Dong LE,Shen RL

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.

**Gut** , Volume: 66 Issue: 11 2017 Nov

Authors Vandepitte 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

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

Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.

**International journal of food microbiology** , Volume: 241 2017 Jan 16

Authors Moens F,Verce M,De Vuyst L

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.

**Journal of the science of food and agriculture** , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.

**Journal of periodontology** , Volume: 88 Issue: 2 2017 Feb

Authors Oliveira LF,Salvador SL,Silva PH,Furlaneto FA,Figueiredo L,Casarim R,Ervolino E,Palioto DB,Souza SL,Taba M Jr,Novaes AB Jr,Messora MR

Japanese traditional dietary fungus koji Aspergillus oryzae functions as a prebiotic for Blautia coccoides through glycosylceramide: Japanese dietary fungus koji is a new prebiotic.

**SpringerPlus** , Volume: 5 Issue: 1 2016

Authors Hamajima H,Matsunaga H,Fujikawa A,Sato T,Mitsutake S,Yanagita T,Nagao K,Nakayama J,Kitagaki H

Gut complex carbohydrates and intestinal microflora in broiler chickens fed with oregano (Origanum vulgare L.) aqueous extract and vitamin E.

**Journal of animal physiology and animal nutrition** , Volume: 101 Issue: 4 2017 Aug

Authors Scocco P,Forte C,Franciosini MP,Mercati F,Casagrande-Proietti P,Dall'Aglio C,Acuti G,Tardella FM,Trabalza-Marinucci M

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

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

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

Dietary flavonoid luteolin attenuates uropathogenic Escherichia. Coli invasion of the urinary bladder.

**BioFactors (Oxford, England)** , Volume: 42 Issue: 6 2016 Nov 12

Authors Shen XF,Teng Y,Sha KH,Wang XY,Yang XL,Guo XJ,Ren LB,Wang XY,Li J,Huang N

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

Physical and antimicrobial properties of cinnamon bark oil co-nanoemulsified by lauric arginate and Tween 80.

**International journal of food microbiology , Volume: 233 2016 Sep 16**

Authors Hilbig J,Ma Q,Davidson PM,Weiss J,Zhong Q

Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.

**Poultry science , Volume: 95 Issue: 11 2016 Nov 1**

Authors Forte C,Acuti G,Manuali E,Casagrande Proietti P,Pavone S,Trabalza-Marinucci M,Moscati L,Onofri A,Lorenzetti C,Franciosini MP

Survey of the Antibiofilm and Antimicrobial Effects of Zingiber officinale (in Vitro Study).

**Jundishapur journal of microbiology , Volume: 9 Issue: 2 2016 Feb**

Authors Aghazadeh M,Zahedi Bialvaei A,Aghazadeh M,Kabiri F,Saliani N,Yousefi M,Eslami H,Samadi Kafil H

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

Nondigestible Fructans Alter Gastrointestinal Barrier Function, Gene Expression, Histomorphology, and the Microbiota Profiles of Diet-Induced Obese C57BL/6J Mice.

**The Journal of nutrition , Volume: 146 Issue: 5 2016 May**

Authors Liu TW,Cephas KD,Holscher HD,Kerr KR,Mangian HF,Tappenden KA,Swanson KS

Effect of Formula Containing Lactobacillus reuteri DSM 17938 on Fecal Microbiota of Infants Born by Cesarean-Section.

**Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec**

Authors Garcia Rodenas CL,Lepage M,Ngom-Bru C,Fotiou A,Papagaroufalis K,Berger B

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

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

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

Lactobacillus reuteri Inhibition of Enteropathogenic Escherichia coli Adherence to Human Intestinal Epithelium.

**Frontiers in microbiology , Volume: 7 2016**

Authors Walsham AD,Mackenzie DA,Cook V,Wemyss-Holden S,Hews CL,Juge N,Schüller S

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.

**Food & function , Volume: 7 Issue: 3 2016 Mar**

Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY

High Molecular Weight Barley β-Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.

**Frontiers in microbiology , Volume: 7 2016**

Authors Wang Y,Ames NP,Tun HM,Tosh SM,Jones PJ,Khafipour E

Purification and characteristics of a novel bacteriocin produced by Enterococcus faecalis L11 isolated from Chinese traditional fermented cucumber.

**Biotechnology letters , Volume: 38 Issue: 5 2016 May**

Authors Gao Y,Li B,Li D,Zhang L

Efficacy of oral Bifidobacterium bifidum ATCC 29521 on microflora and antioxidant in mice.

**Canadian journal of microbiology , Volume: 62 Issue: 3 2016 Mar**

Authors Wang BG,Xu HB,Xu F,Zeng ZL,Wei H

The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 (IBRC-M 10784) as Probiotic Bacteria in vitro.

**Archives of Iranian medicine , Volume: 19 Issue: 2 2016 Feb**

Authors Mahboubi M,Kazempour N

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

The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent.

**PLoS one , Volume: 10 Issue: 12 2015**

**Authors Aktas B,De Wolfe TJ,Tandee K,Safdar N,Darien BJ,Steele JL**

Effect of chito-oligosaccharides over human faecal microbiota during fermentation in batch cultures.

**Carbohydrate polymers , Volume: 137 2016 Feb 10**

**Authors Mateos-Aparicio I,Mengíbar M,Heras A**

Prawn Shell Chitosan Has Anti-Obesogenic Properties, Influencing Both Nutrient Digestibility and Microbial Populations in a Pig Model.

**PLoS one , Volume: 10 Issue: 12 2015**

**Authors Egan ÁM,Sweeney T,Hayes M,O'Doherty JV**

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

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

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

Membrane filter method to study the effects of Lactobacillus acidophilus and Bifidobacterium longum on fecal microbiota.

**Microbiology and immunology , Volume: 59 Issue: 11 2015 Nov**

**Authors Shimizu H,Benno Y**

[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**

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**

Antimicrobial activity and the presence of virulence factors and bacteriocin structural genes in Enterococcus faecium CM33 isolated from ewe colostrum.

**Frontiers in microbiology , Volume: 6 2015**

**Authors Nami Y,Haghshenas B,Haghshenas M,Yari Khosrourshahi A**

Reutericyclin producing Lactobacillus reuteri modulates development of fecal microbiota in weanling pigs.

**Frontiers in microbiology , Volume: 6 2015**

**Authors Yang Y,Zhao X,Le MH,Zijlstra RT,Gänzle MG**

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 and in vivo examination of anticolonization of pathogens by Lactobacillus paracasei FJ861111.1.

**Journal of dairy science , Volume: 98 Issue: 10 2015 Oct**

**Authors Deng K,Chen T,Wu Q,Xin H,Wei Q,Hu P,Wang X,Wang X,Wei H,Shah NP**

Agave Inulin Supplementation Affects the Fecal Microbiota of Healthy Adults Participating in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial.

**The Journal of nutrition , Volume: 145 Issue: 9 2015 Sep**

**Authors Holscher HD,Bauer LL,Gourineni V,Pelkman CL,Fahey GC Jr,Swanson KS**

Gelucire-Based Nanoparticles for Curcumin Targeting to Oral Mucosa: Preparation, Characterization, and Antimicrobial Activity Assessment.

**Journal of pharmaceutical sciences , Volume: 104 Issue: 11 2015 Nov**

**Authors Hazzah HA,Farid RM,Nasra MMA,Hazzah WA,El-Massik MA,Abdallah OY**

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**

In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.

**Journal of microbiology and biotechnology , Volume: 25 Issue: 9 2015 Sep**

**Authors Jung TH,Jeon WM,Han KS**

Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.

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

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

**Oral Microbiota Shift after 12-Week Supplementation with Lactobacillus reuteri DSM 17938 and PTA 5289; A Randomized Control Trial.**

**PloS one , Volume: 10 Issue: 5 2015**

**Authors Romani Vestman N,Chen T,Lif Holgerson P,Öhman C,Johansson I**

**Antimicrobial agents from selected medicinal plants in Libya.**

**Chinese journal of integrative medicine , Volume: 22 Issue: 3 2016 Mar**

**Authors Muhaisen HM,Ab-Mous MM,Ddeeb FA,Rtemi AA,Taba OM,Parveen M**

**Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.**

**The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi , Volume: 65 Issue: 4 2015 Apr**

**Authors Shadnoush M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M**

**Effects of the Probiotic Enterococcus faecium and Pathogenic Escherichia coli Strains in a Pig and Human Epithelial Intestinal Cell Model.**

**Scientifica , Volume: 2015 2015**

**Authors Lodemann U,Strahlendorf J,Schierack P,Klingspor S,Aschenbach JR,Martens H**

**Effects of sub-lethal concentrations of thyme and oregano essential oils, carvacrol, thymol, citral and trans-2-hexenal on membrane fatty acid composition and volatile molecule profile of Listeria monocytogenes, Escherichia coli and Salmonella enteritidis.**

**Food chemistry , Volume: 182 2015 Sep 1**

**Authors Siroli L,Patrignani F,Gardini F,Lanciotti R**

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

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

**Authors Akdemir Evrendilek G**

**Increased gut microbiota diversity and abundance of Faecalibacterium prausnitzii and Akkermansia after fasting: a pilot study.**

**Wiener klinische Wochenschrift , Volume: 127 Issue: 9-10 2015 May**

**Authors Remely M,Hippe B,Geretschlaeger I,Stegmayer S,Hoefinger I,Haslberger A**

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

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

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

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

**Beneficial microbes , Volume: 6 Issue: 4 2015**

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

**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**

**Antimicrobial Effect of Lactobacillus reuteri on Cariogenic Bacteria Streptococcus gordonii, Streptococcus mutans, and Periodontal Diseases Actinomyces naeslundii and Tannerella forsythia.**

**Probiotics and antimicrobial proteins , Volume: 7 Issue: 1 2015 Mar**

**Authors Baca-Castañón ML,De la Garza-Ramos MA,Alcázar-Pizaña AG,Grondin Y,Coronado-Mendoza A,Sánchez-Najera RI,Cárdenas-Estrada E,Medina-De la Garza CE,Escamilla-García E**

**[The antibacterial activity of cinnamon oil on the selected gram-positive and gram-negative bacteria].**

**Medycyna doswiadczałna i mikrobiologia , Volume: 66 Issue: 2 2014**

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

**Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults.**

**The Journal of nutrition , Volume: 144 Issue: 11 2014 Nov**

**Authors Ferrario C,Taverniti V,Milani C,Fiore W,Laureati M,De Noni I,Stuknyte M,Chouaia B,Riso P,Guglielmetti S**

**Evaluation of the genotoxicity of ginseng leaf extract UG0712**

**Laboratory animal research , Volume: 30 Issue: 3 2014 Sep**

**Authors Kim JY,Ri Y,Do SG,Lee YC,Park SJ**

**Natural control of bacteria affecting meat quality by a neem (*Azadirachta indica A. Juss.*) cake extract.**

**Natural product research , Volume: 29 Issue: 10 2015**

**Authors Del Serrone P,Failla S,Nicoletti M**

Total Phenolic Content and Antibacterial Activity of Five Plants of Labiateae against Four Foodborne and Some Other Bacteria.

**Iranian journal of pharmaceutical research : IJPR , Volume: 13 Issue: 2 2014 Spring**

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

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**

Synbiotic Lactobacillus acidophilus NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial.

**FEMS microbiology ecology , Volume: 90 Issue: 1 2014 Oct**

**Authors van Zanten GC,Krych L,Rötyö H,Forssten S,Lahtinen SJ,Abu Al-Soud W,Sørensen S,Svensson B,Jespersen L,Jakobsen M**

Screening of antibacterial effects of anise essential oil alone and in combination with conventional antibiotics against Streptococcus pneumoniae clinical isolates.

**Revista medico-chirurgicala a Societati de Medici si Naturalisti din Iasi , Volume: 118 Issue: 2 2014 Apr-Jun**

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

Coexpression and secretion of endoglycanase and phytase genes in Lactobacillus reuteri.

**International journal of molecular sciences , Volume: 15 Issue: 7 2014 Jul 21**

**Authors Wang L,Yang Y,Cai B,Cao P,Yang M,Chen Y**

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**

Effects of probiotic Enterococcus faecium and Saccharomyces cerevisiae on the faecal microflora of pet rabbits.

**The Journal of small animal practice , Volume: 55 Issue: 9 2014 Sep**

**Authors Benato L,Hastie P,O`Shaughnessy P,Murray JA,Meredith A**

Korean ginseng modulates the ileal microbiota and mucin gene expression in the growing rat.

**Food & function , Volume: 5 Issue: 7 2014 Jul 25**

**Authors Han KS,Balan P,Hong HD,Choi WI,Cho CW,Lee YC,Moughan PJ,Singh H**

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**

A rosemary extract rich in carnosic acid selectively modulates caecum microbiota and inhibits β-glucosidase activity, altering fiber and short chain fatty acids fecal excretion in lean and obese female rats.

**PLoS one , Volume: 9 Issue: 4 2014**

**Authors Romo-Vaquero M,Selma MV,Larrosa M,Obiol M,García-Villalba R,González-Barrio R,Issaly N,Flanagan J,Roller M,Tomás-Barberán FA,García-Conesa MT**

454 pyrosequencing reveals changes in the faecal microbiota of adults consuming Lactobacillus casei Zhang.

**FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun**

**Authors Zhang J,Wang L,Guo Z,Sun Z,Gesudu Q,Kwok L,Menghebile,Zhang H**

Effects of Lactobacillus plantarum on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.

**Canadian journal of microbiology , Volume: 60 Issue: 4 2014 Apr**

**Authors Shen X,Yi D,Ni X,Zeng D,Jing B,Lei M,Bian Z,Zeng Y,Li T,Xin J**

In Vitro Antibacterial Mechanism of Action of Crude Garlic (*Allium sativum*) Clove Extract on Selected Probiotic Bifidobacterium Species as Revealed by SEM, TEM, and SDS-PAGE Analysis.

**Probiotics and antimicrobial proteins , Volume: 6 Issue: 2 2014 Jun**

**Authors Booyens J,Labuschagne MC,Thantsha MS**

Changes chemopreventive markers in colorectal cancer development after inulin supplementation.

**Bratislavské lekarske listy , Volume: 115 Issue: 2 2014**

**Authors Hijova E,Szabadosova V,Strojny L,Bomba A**

Differences in the hydroxylation pattern of flavonoids alter their chemoprotective effect against direct- and indirect-acting mutagens.

**Food chemistry , Volume: 155 2014 Jul 15**

**Authors Resende FA,da Silva Almeida CP,Vilegas W,Varanda EA**

In vivo antimicrobial potentials of garlic against Clostridium perfringens and its promotant effects on performance of broiler chickens.

**Pakistan journal of biological sciences : PJBS , Volume: 16 Issue: 24 2013 Dec 15**

**Authors Jimoh AA,Ibitoye EB,Dabai YU,Garba S**

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**

A quantitative assessment of the antimicrobial activity of garlic (*Allium sativum*).

**World journal of microbiology & biotechnology , Volume: 9 Issue: 3 1993 May**

**Authors Rees LP,Minney SF,Plummer NT,Slater JH,Skyrme DA**

Lactobacillus paracasei subsp. paracasei LC01 positively modulates intestinal microflora in healthy young adults.

**Journal of microbiology (Seoul, Korea) , Volume: 51 Issue: 6 2013 Dec**

**Authors Zhang H,Sun J,Liu X,Hong C,Zhu Y,Liu A,Li S,Guo H,Ren F**

Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.

**Clinical nutrition (Edinburgh, Scotland) , Volume: 33 Issue: 6 2014 Dec**

**Authors Majid HA,Cole J,Emery PW,Whelan K**

Effects of a probiotic, Enterococcus faecium, on growth performance, intestinal morphology, immune response, and cecal microflora in broiler chickens challenged with Escherichia coli K88.

**Poultry science , Volume: 92 Issue: 11 2013 Nov**

**Authors Cao GT,Zeng XF,Chen AG,Zhou L,Zhang L,Xiao YP,Yang CM**

In vitro anti-bacterial and anti-adherence effects of Lactobacillus delbrueckii subsp bulgaricus on Escherichia coli.

**Research in pharmaceutical sciences , Volume: 8 Issue: 4 2013 Oct**

**Authors Abedi D,Feizizadeh S,Akbari V,Jafarian-Dehkordi A**

Probiotic features of two oral Lactobacillus isolates.

**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1 2012 Jan**

**Authors Zavisic G,Petricevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I**

Antimicrobial activity of essential oils against vancomycin-resistant enterococci (vre) and Escherichia coli o157:h7 in feta soft cheese and minced beef meat.

**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 42 Issue: 1 2011 Jan**

**Authors Selim S**

Effects of inulin and di-D-fructose dianhydride-enriched caramels on intestinal microbiota composition and performance of broiler chickens.

**Animal : an international journal of animal bioscience , Volume: 7 Issue: 11 2013 Nov**

**Authors Peinado MJ,Echávarri A,Ruiz R,Suárez-Pereira E,Ortiz Mellet C,García Fernández JM,Rubio LA**

Functional ginger extracts from supercritical fluid carbon dioxide extraction via in vitro and in vivo assays: antioxidation, antimicroorganism, and mice xenografts models.

**TheScientificWorldJournal , Volume: 2013 2013**

**Authors Lee CC,Chiou LY,Wang JY,Chou SY,Lan JC,Huang TS,Huang KC,Wang HM**

In vitro characterization of the impact of selected dietary fibers on fecal microbiota composition and short chain fatty acid production.

**Anaerobe , Volume: 23 2013 Oct**

**Authors Yang J,Martínez I,Walter J,Keshavarzian A,Rose DJ**

Influence of propolis on hygiene, gingival condition, and oral microflora in patients with cleft lip and palate treated with fixed orthodontic appliances.

**Evidence-based complementary and alternative medicine : eCAM , Volume: 2013 2013**

**Authors Machorowska-Pieniazek A,Morawiec T,Mertas A,Tanasiewicz M,Dziedzic A,Król W**

Antibacterial activity of selected Malaysian honey.

**BMC complementary and alternative medicine , Volume: 13 2013 Jun 10**

**Authors Zainol MI,Mohd Yusoff K,Mohd Yusof MY**

**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, quillaia 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**

Fiber and prebiotics: mechanisms and health benefits.

**Nutrients , Volume: 5 Issue: 4 2013 Apr 22**

**Authors Slavin J**

Inulin-type fructans with different degrees of polymerization improve lipid metabolism but not glucose metabolism in rats fed a high-fat diet under energy restriction.

**Digestive diseases and sciences , Volume: 58 Issue: 8 2013 Aug**

**Authors Han KH,Tsuchihira H,Nakamura Y,Shimada K,Ohba K,Aritsuka T,Uchino H,Kikuchi H,Fukushima M**

Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.

**FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun**

**Authors Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS**

Decontamination of Salmonella, Shigella, and Escherichia coli O157:H7 from leafy green vegetables using edible plant extracts.

**Journal of food science , Volume: 78 Issue: 2 2013 Feb**

**Authors Orue N,García S,Feng P,Heredia N**

In vitro antimicrobial assessment of Cuban propolis extracts.

**Memorias do Instituto Oswaldo Cruz , Volume: 107 Issue: 8 2012 Dec**

**Authors Monzote L,Cuesta-Rubio O,Campo Fernandez M,Márquez Hernandez I,Fraga J,Pérez K,Kerstens M,Maes L,Cos P**

The inhibitory effect of polyphenols on human gut microbiota.

**Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 63 Issue: 5 2012 Oct**

**Authors Duda-Chodak A**

Synergistic effects of honey and propolis toward drug multi-resistant Staphylococcus aureus, Escherichia coli and Candida albicans isolates in single and polymicrobial cultures.

**International journal of medical sciences , Volume: 9 Issue: 9 2012**

**Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K**

Effects of oat β-glucan and barley β-glucan on fecal characteristics, intestinal microflora, and intestinal bacterial metabolites in rats.

**Journal of agricultural and food chemistry , Volume: 60 Issue: 45 2012 Nov 14**

**Authors Shen RL,Dang XY,Dong JL,Hu XZ**

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**

Chemical composition, olfactory analysis and antibacterial activity of Thymus vulgaris chemotypes geraniol, 4-thujanol/terpinen-4-ol, thymol and linalool cultivated in southern France.

**Natural product communications , Volume: 7 Issue: 8 2012 Aug**

**Authors Schmidt E,Wanner J,Hiiferl M,Jirovetz L,Buchbauer G,Gochev V,Girova T,Stoyanova A,Geissler M**

Assessment of the in vitro inhibitory activity of specific probiotic bacteria against different Escherichia coli strains.

**Journal of clinical gastroenterology , Volume: 46 Suppl 2012 Oct**

**Authors Mogna L,Del Piano M,Deidda F,Nicola S,Soattini L,Debiaggi R,Sforza F,Strozzi G,Mogna G**

Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.

**Journal of dairy science , Volume: 95 Issue: 9 2012 Sep**

**Authors Wang S,Zhu H,Lu C,Kang Z,Luo Y,Feng L,Lu X**

The inhibitory activity of typified propolis against Enterococcus species.

**Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 67 Issue: 5-6 2012 May-Jun**

**Authors Moncla BJ,Guevara PW,Wallace JA,Marcucci MC,Nor JE,Bretz WA**

Inulin modifies the bifidobacteria population, fecal lactate concentration, and fecal pH but does not influence iron absorption in women with low iron status.

**The American journal of clinical nutrition , Volume: 96 Issue: 2 2012 Aug**

**Authors Petry N,Egli I,Chassard C,Lacroix C,Hurrell R**

Synthesis and evaluation of antimicrobial activity of 4H-pyrimido[2,1-b]benzothiazole, pyrazole and benzylidene derivatives of curcumin.

**European journal of medicinal chemistry , Volume: 54 2012 Aug**

**Authors Sahu PK,Sahu PK,Gupta SK,Thavaselvam D,Agarwal DD**

Feeding Jerusalem artichoke reduced skatole level and changed intestinal microbiota in the gut of entire male pigs.

**Animal : an international journal of animal bioscience , Volume: 6 Issue: 5 2012 May**

**Authors Vhile SG,Kjos NP,Sørum H,Overland M**

Effect of garlic powder on the growth of commensal bacteria from the gastrointestinal tract.

**Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 19 Issue: 8-9 2012 Jun**

**15**

**Authors Filocamo A,Nueno-Palop C,Bisignano C,Mandalari G,Narbad A**

Changes in gut microbiota in children with atopic dermatitis administered the bacteria Lactobacillus casei DN-114001.

**Polish journal of microbiology , Volume: 60 Issue: 4 2011**

**Authors Klewicka E,Cukrowska B,Libudzisz Z,Slizewska K,Motyl I**

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**

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**

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**

Antimicrobial activity of plant essential oils against bacterial and fungal species involved in food poisoning and/or food decay.

**Roumanian archives of microbiology and immunology , Volume: 69 Issue: 4 2010 Oct-Dec**

**Authors Lixandru BE,Dracea NO,Dragomirescu CC,Dragulescu EC,Coldea IL,Anton L,Dobre E,Rovinaru C,Codita I**

Investigations into the antiadhesive activity of herbal extracts against Campylobacter jejuni.

**Phytotherapy research : PTR , Volume: 25 Issue: 8 2011 Aug**

**Authors Bensch K,Tiralongo J,Schmidt K,Matthias A,Bone KM,Lehmann R,Tiralongo E**

Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.

**Molecules (Basel, Switzerland) , Volume: 15 Issue: 11 2010 Oct 27**

**Authors Sokovic M,Glamocilja J,Marin PD,Brkic D,van Griensven LJ**

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**

Efficacy of sumac and oregano in the inactivation of Salmonella Typhimurium on tomatoes.

**International journal of food microbiology , Volume: 141 Issue: 1-2 2010 Jun 30**

**Authors Gündüz GT,Gönül SA,Karapinar M**

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**

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**

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**

Synthesis and biological evaluation of novel luteolin derivatives as antibacterial agents.

**European journal of medicinal chemistry , Volume: 44 Issue: 2 2009 Feb**

**Authors Lv PC,Li HQ,Xue JY,Shi L,Zhu HL**

Baseline microbiota activity and initial bifidobacteria counts influence responses to prebiotic dosing in healthy subjects.

**Alimentary pharmacology & therapeutics , Volume: 27 Issue: 6 2008 Mar 15**

**Authors de Preter V,Vanhoutte T,Huys G,Swings J,Rutgeerts P,Verbeke K**

Inhibitory activity of garlic (*Allium sativum*) extract on multidrug-resistant *Streptococcus mutans*.

**Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 25 Issue: 4 2007 Oct-Dec**

**Authors Fani MM,Kohanteb J,Dayaghi M**

Modifying effects of fermented brown rice on fecal microbiota in rats.

**Anaerobe , Volume: 13 Issue: 5-6 2007 Oct-Dec**

**Authors Kataoka K,Kibe R,Kuwahara T,Hagiwara M,Arimochi H,Iwasaki T,Benno Y,Ohnishi Y**

Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.

**Journal of agricultural and food chemistry , Volume: 55 Issue: 11 2007 May 30**

**Authors López P,Sánchez C,Batlle R,Nerín C**

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**

Impact of consumption of different levels of *Bifidobacterium lactis* HN019 on the intestinal microflora of elderly human subjects.

**The journal of nutrition, health & aging , Volume: 11 Issue: 1 2007 Jan-Feb**

**Authors Ahmed M,Prasad J,Gill H,Stevenson L,Gopal P**

Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.

**Asia Pacific journal of clinical nutrition , Volume: 16 Issue: 1 2007**

**Authors Kim SH,Lee DH,Meyer D**

Effect of chitosan on the growth of human colonic bacteria.

**Folia microbiologica , Volume: 51 Issue: 4 2006**

**Authors Simunek J,Tishchenko G,Hodrová B,Bartonová H**

Effects of *Bifidobacterium lactis* Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.

**Journal of clinical microbiology , Volume: 44 Issue: 11 2006 Nov**

**Authors Mohan R,Koebrick C,Schildt J,Schmidt S,Mueller M,Possner M,Radke M,Blaut M**

In vitro activity of Bulgarian propolis against 94 clinical isolates of anaerobic bacteria.

**Anaerobe , Volume: 12 Issue: 4 2006 Aug**

**Authors Boyanova L,Kolarov R,Gergova G,Mitov I**

Antimicrobial and antiplasmid activities of essential oils.

**Fitoterapia , Volume: 77 Issue: 4 2006 Jun**

**Authors Schelz Z,Molnar J,Hohmann J**

Chemical compositions and antimicrobial activities of four different Anatolian propolis samples.

**Microbiological research , Volume: 160 Issue: 2 2005**

**Authors Uzel A,Sorkun K,Onçag O,Coğulu D,Gençay O,Salih B**

Chemical composition and antibacterial activity of propolis collected by three different races of honeybees in the same region.

**Journal of ethnopharmacology , Volume: 99 Issue: 1 2005 May 13**

**Authors Silici S,Kutluca S**

Microbiological effects of consuming a synbiotic containing *Bifidobacterium bifidum*, *Bifidobacterium lactis*, and oligofructose in elderly persons, determined by real-time polymerase chain reaction and counting of viable bacteria.

**Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 40 Issue: 1 2005 Jan 1**

**Authors Bartosch S,Woodmansey EJ,Paterson JC,McMurdo ME,Macfarlane GT**

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 Dadalioğlu I,Evrendilek GA**

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**

In vitro antimicrobial activity of propolis and synergism between propolis and antimicrobial drugs.

**Microbiological research , Volume: 158 Issue: 4 2003**

**Authors Stepanovic S,Antic N,Dakic I,Svabic-Vlahovic M**

Antimicrobial activity of extracts of local cough mixtures on upper respiratory tract bacterial pathogens.

**The West Indian medical journal , Volume: 52 Issue: 3 2003 Sep**

**Authors Adeleye IA,Opiah L**

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**

Brazilian propolis: physicochemical properties, plant origin and antibacterial activity on periodontopathogens.

**Phytotherapy research : PTR , Volume: 17 Issue: 3 2003 Mar**

**Authors Santos FA,Bastos EM,Maia AB,Uzeda M,Carvalho MA,Farias LM,Moreira ES**

Interaction between probiotic lactic acid bacteria and canine enteric pathogens: a risk factor for intestinal *Enterococcus faecium* colonization?

**Veterinary microbiology , Volume: 92 Issue: 1-2 2003 Mar 20**

**Authors Rinkinen M,Jalava K,Westermark E,Salminen S,Ouwehand AC**

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**

Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.

**Applied and environmental microbiology , Volume: 68 Issue: 10 2002 Oct**

**Authors Apajalahti JH,Kettunen H,Kettunen A,Holben WE,Nurminen PH,Rautonen N,Mutanen M**

Screening of the antibacterial effects of a variety of essential oils on respiratory tract pathogens, using a modified dilution assay method.

**Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 7 Issue: 4 2001 Dec**

**Authors Inouye S,Yamaguchi H,Takizawa T**

Inhibition by the essential oils of peppermint and spearmint of the growth of pathogenic bacteria.

**Microbios , Volume: 106 Suppl 1 2001**

**Authors Imai H,Osawa K,Yasuda H,Hamashima H,Arai T,Sasatsu M**

Enrichment of bifidobacteria in the hen caeca by dietary inulin.

**Folia microbiologica , Volume: 46 Issue: 1 2001**

**Authors Rada V,Dusková D,Marounek M,Petr J**

Probiotic activities of *Lactobacillus casei rhamnosus*: in vitro adherence to intestinal cells and antimicrobial properties.

**Research in microbiology , Volume: 152 Issue: 2 2001 Mar**

**Authors Forestier C,De Champs C,Vatoux C,Joly B**

Egyptian propolis: 1-antimicrobial activity and chemical composition of Upper Egypt propolis.

**Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 56 Issue: 1-2 2001 Jan-Feb**

**Authors Hegazi AG,El Hady FK**

Phenolic compounds from Brazilian propolis with pharmacological activities.

**Journal of ethnopharmacology , Volume: 74 Issue: 2 2001 Feb**

**Authors Marcucci MC,Ferreres F,García-Viguera C,Bankova VS,De Castro SL,Dantas AP,Valente PH,Paulino N**

In vitro antimicrobial activity of propolis dry extract.

**Journal of chemotherapy (Florence, Italy) , Volume: 12 Issue: 5 2000 Oct**

**Authors Drago L,Mombelli B,De Vecchi E,Fassina MC,Tocalli L,Gismondo MR**

Study on propolis quality from China and Uruguay.

**Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 9-10 2000 Sep-Oct**

**Authors Serra Bonvehí J,Ventura Coll F**

Seasonal effect on Brazilian propolis antibacterial activity.

**Journal of ethnopharmacology , Volume: 73 Issue: 1-2 2000 Nov**

**Authors Sforcin JM,Fernandes A Jr,Lopes CA,Bankova V,Junari SR**

Screening of some Palestinian medicinal plants for antibacterial activity.

**Journal of ethnopharmacology , Volume: 70 Issue: 3 2000 Jun**

**Authors Essawi T,Srour M**

Chemical composition and antimicrobial activity of European propolis.

**Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 1-2 2000 Jan-Feb**

**Authors Hegazi AG,Abd El Hady FK,Abd Allah FA**

Antibacterial activity of garlic powder against Escherichia coli O-157.

**Journal of nutritional science and vitaminology , Volume: 45 Issue: 6 1999 Dec**

**Authors Sasaki J,Kita T,Ishita K,Uchisawa H,Matsue H**

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**

The effect of consumption of milk fermented by Lactobacillus casei strain Shirota on the intestinal microflora and immune parameters in humans.

**European journal of clinical nutrition , Volume: 52 Issue: 12 1998 Dec**

**Authors Spanhaak S,Havenaar R,Schaafsma G**

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**

Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.

**The American journal of clinical nutrition , Volume: 65 Issue: 5 1997 May**

**Authors Kleessen B,Sykura B,Zunft HJ,Blaut M**

Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin.

**Gastroenterology , Volume: 108 Issue: 4 1995 Apr**

**Authors Gibson GR,Beatty ER,Wang X,Cummings JH**

Additional sources and private correspondence

**Private Correspondance , Volume: 1 Issue: 2018**

Effects of probiotic Enterococcus faecium NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing

**Animal Feed Science and Technology , Volume: 201 2015 Mar**

**Authors Edward Alain B.Pajarillo,Dae-Kyung Kang,Chan-Soo Park,Hyeun Bum Kim,Marilen P Balolong**

Curated database of commensal, symbiotic and pathogenic microbiota

**Generative Bioinformatics , Volume: Issue: 2014 Jun**

**Authors D'Adamo Peter**

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

**The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1**

**Authors April McLaughlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku**

## Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products  
Alopecia (Hair Loss)  
Alzheimer's disease  
Amyotrophic lateral sclerosis (ALS) Motor Neuron  
Ankylosing spondylitis  
Anorexia Nervosa  
Antiphospholipid syndrome (APS)  
Asthma  
Atherosclerosis  
Atrial fibrillation  
Autism  
Autoimmune Disease  
Barrett esophagus cancer  
benign prostatic hyperplasia  
Biofilm  
Bipolar Disorder  
Brain Trauma  
Breast Cancer  
Cancer (General)  
Carcinoma  
cdkl5 deficiency disorder  
Celiac Disease  
Cerebral Palsy  
Chronic Fatigue Syndrome  
Chronic Kidney Disease  
Chronic Lyme  
Chronic Obstructive Pulmonary Disease (COPD)  
Chronic Urticaria (Hives)  
Coagulation / Micro clot triggering bacteria  
Cognitive Function  
Colorectal Cancer  
Constipation  
Coronary artery disease  
COVID-19  
Crohn's Disease  
Cushing's Syndrome (hypercortisolism)  
cystic fibrosis  
d-Haptic acidosis (one form of brain fog)  
deep vein thrombosis  
Denture Wearers Oral Shifts  
Depression  
Dermatomyositis  
Eczema  
Endometriosis  
Eosinophilic Esophagitis  
Epilepsy  
erectile dysfunction  
Fibromyalgia  
Food Allergy  
Functional constipation / chronic idiopathic constipation  
gallstone disease (gsd)  
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus  
Generalized anxiety disorder  
giant cell arteritis  
Glioblastoma  
Gout  
Graves' disease  
Gulf War Syndrome

Halitosis  
Hashimoto's thyroiditis  
Heart Failure  
hemorrhagic stroke  
Hemorrhoidal disease, Hemorrhoids, Piles  
Hidradenitis Suppurativa  
High Histamine/low DAO  
hypercholesterolemia (High Cholesterol)  
hyperglycemia  
Hyperlipidemia (High Blood Fats)  
hypersomnia  
hypertension (High Blood Pressure)  
Hypothyroidism  
Hypoxia  
IgA nephropathy (IgAN)  
Inflammatory Bowel Disease  
Insomnia  
Intelligence  
Intracranial aneurysms  
Irritable Bowel Syndrome  
ischemic stroke  
Juvenile idiopathic arthritis  
Liver Cirrhosis  
Long COVID  
Low bone mineral density  
Lung Cancer  
Lymphoma  
Mast Cell Issues / mastitis  
ME/CFS with IBS  
ME/CFS without IBS  
membranous nephropathy  
Menopause  
Metabolic Syndrome  
Mood Disorders  
multiple chemical sensitivity [MCS]  
Multiple Sclerosis  
Multiple system atrophy (MSA)  
myasthenia gravis  
neuropathic pain  
Neuropathy (all types)  
neuropsychiatric disorders (PANDAS, PANS)  
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic  
NonCeliac Gluten Sensitivity  
Obesity  
obsessive-compulsive disorder  
Osteoarthritis  
Osteoporosis  
pancreatic cancer  
Parkinson's Disease  
Peanut Allergy  
Polycystic ovary syndrome  
Postural orthostatic tachycardia syndrome  
Premenstrual dysphoric disorder  
primary biliary cholangitis  
Primary sclerosing cholangitis  
Psoriasis  
rheumatoid arthritis (RA),Spondyloarthritis (SpA)  
Rosacea

**Schizophrenia**

**scoliosis**

**sensorineural hearing loss**

**Sjögren syndrome**

**Sleep Apnea**

**Slow gastric motility / Gastroparesis**

**Small Intestinal Bacterial Overgrowth (SIBO)**

**Stress / posttraumatic stress disorder**

**Systemic Lupus Erythematosus**

**Tic Disorder**

**Tourette syndrome**

**Type 1 Diabetes**

**Type 2 Diabetes**

**Ulcerative colitis**

**Unhealthy Ageing**

**Vitiligo**