

Microbiome Information for: Asthma

For non-prescribing Medical professionals Review

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

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

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

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

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

In the USA

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

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

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[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Asthma

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
Bacilli	class	Low	91061	Moraxella	genus	High	475
Verrucomicrobiia	class	Low	203494	Mycoplasma	genus	High	2093
Acidaminococcaceae	family	Low	909930	Odoribacter	genus	High	283168
Bacteroidaceae	family	High	815	Oxalobacter	genus	High	846
Bifidobacteriaceae	family	Low	31953	Parvimonas	genus	High	543311
Chlamydiaceae	family	High	809	Penicillium	genus	High	5073
Christensenellaceae	family	High	990719	Peptoniphilus	genus	Low	162289
Clostridiaceae	family	High	31979	Porphyromonas	genus	High	836
Dermabacteraceae	family	Low	85020	Prevotella	genus	High	838
Erysipelotrichaceae	family	High	128827	Rothia	genus	High	508215
Lachnospiraceae	family	High	186803	Sediminibacterium	genus	Low	504481
Lactobacillaceae	family	Low	33958	Slackia	genus	High	84108
Prevotellaceae	family	High	171552	Sneathia	genus	High	168808
Ruminococcaceae	family	Low	541000	Staphylococcus	genus	High	1279
Veillonellaceae	family	High	31977	Streptococcus	genus	High	1301
Actinomyces	genus	High	1654	Sutterella	genus	High	40544
Aggregatibacter	genus	Low	416916	Turicibacter	genus	Low	191303
Akkermansia	genus	Low	239934	Lactobacillales	order	Low	186826
Alloiococcus	genus	High	1651	Aggregatibacter segnis	species	High	739
Alternaria	genus	High	5598	Akkermansia muciniphila	species	Low	239935
Aspergillus	genus	High	5052	Aspergillus fumigatus	species	High	746128
Bacteroides	genus	Low	816	Bacteroides fragilis	species	High	817
Bifidobacterium	genus	High	1678	Bacteroides stercoris	species	Low	46506
Blautia	genus	High	572511	Bifidobacterium adolescentis	species	Low	1680
Butyrivibrio	genus	Low	580596	Bifidobacterium longum	species	High	216816
Butyrivibrio	genus	High	574697	Candida albicans	species	High	5476
Butyrivibrio	genus	Low	830	Chlamydia pneumoniae	species	High	83558
Campylobacter	genus	High	194	Clostridium disporicum	species	Low	84024
Candidatus Arthromitus	genus	Low	49082	Eggerthella lenta	species	High	84112
Capnocytophaga	genus	High	1016	Enterobacter hormaechei	species	High	158836
Cardiobacterium	genus	High	2717	Escherichia coli	species	High	562
Catonella	genus	Low	43996	Faecalibacterium prausnitzii	species	Low	853
Chlamydia	genus	High	810	Haemophilus influenzae	species	High	727
Clostridium	genus	High	1485	Klebsiella pneumoniae	species	High	573
Corynebacterium	genus	High	1716	Moraxella catarrhalis	species	High	480
Dialister	genus	Low	39948	Mycoplasmoides pneumoniae	species	High	2104
Dorea	genus	High	189330	Neisseria cinerea	species	High	483
Faecalibacterium	genus	Low	216851	Phocaeicola plebeius	species	High	310297
Faecalibaculum	genus	High	1729679	Prevotella bivia	species	High	28125
Fusobacterium	genus	High	848	Prevotella nigrescens	species	Low	28133
Haemophilus	genus	High	724	Pseudomonas aeruginosa	species	High	287

Bacteria Name	Rank	Shift	Taxonomy ID
Holdemanella	genus	High	1573535
Lachnospira	genus	High	28050
Lactobacillus	genus	High	1578
Lawsonella	genus	High	1847725
Leptotrichia	genus	High	32067
Malassezia	genus	High	55193
Megasphaera	genus	High	906

Bacteria Name	Rank	Shift	Taxonomy ID
Roseburia inulinivorans	species	Low	360807
Staphylococcus aureus	species	High	1280
Staphylococcus epidermidis	species	High	1282
Streptococcus pneumoniae	species	High	1313
Streptococcus pyogenes	species	High	1314
Streptococcus salivarius	species	High	1304
Sutterella wadsworthensis	species	Low	40545
Haemophilus influenzae 10810	strain	Low	862964

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

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

Avena sativa x Hordeum vulgare {barley,oat}

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

Cichorium intybus {Chicory} 1800 mg/day

Hordeum vulgare {Barley} 60 gram/day

Lactose {Milk Sugar}

Outer Layers of Triticum aestivum {Wheat Bran}

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

raffinose {sugar beet}

Sleep apnea {partial sleep deprivation}

synthetic disaccharide derivative of lactose {Lactulose}

Tobacco consumption {Smoking}

wheat

Zea mays {maize}

Retail Probiotics

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

Physician Choice / 60 Billion Probiotics
Wholesome Wellness / Raw Probiotic
theramedix / probiotic
jarrow formulas / bifidus balance® + fos
naturopathica (au) / gastrohealth fibrepro
naturopathica (au) / gastrohealth probiotic dairy free 50 billion
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
nature's way (au) / restore probiotic bowel & colon health 30s
nature's way (au) / restore probiotic daily health 90s
nature's way (au) / restore probiotic 30 billion 30s
blackmores (au) / probiotics + adults daily (90 capsules)
blackmores (au) / probiotics+ immune defence
blackmore (au) / probiotics+ eczema relief
blackmore (au) / probiotics+ daily health
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
Global Healing Center / FloraTrex
Swiss BioEnergetics / Full Spectrum Probiotic Defence

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

Substance to Consider Reducing or Eliminating

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

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

allium sativum {garlic}

Azadirachta indica {Neem}

Cinnamomum zeylanicum {Ceylon Cinnamon}

Curcuma longa {Turmeric}

D-(-)-Fructose {Fruit sugar}

Diferuloylmethane {Curcumin}

Honey {Honey }

Metha family {Mint}

Moringa Oleifera

origanum vulgare {oregano}

Propolis {Bee glue}

Punica granatum {pomegranate}

rosmarinus officinalis {rosemary}

syzygium aromaticum {clove}

Thymus vulgaris {thyme}

Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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

[Asthma is associated with increased Streptococcus pneumoniae carriage in the upper airway: a systematic review and meta-analysis.](#)

European clinical respiratory journal , Volume: 12 Issue: 1 2025

Authors Putri RD,Murad C,Mutyara K

[Complementary Predictors for Asthma Attack Prediction in Children: Salivary Microbiome, Serum Inflammatory Mediators, and Past Attack History.](#)

Allergy , 2025 Aug 18

Authors Shahbazi Khamas S,Brinkman P,Neerincx AH,Vijverberg SJH,Hashimoto S,Blankestijn JM,Duitman JW,Dekker T,Smids BS,Terheggen-Lagro SWJ,Lutter R,Metwally NKA,Sondaal F,Haarmann EG,Sterk PJ,Adcock IM,Auffray C,Bang C,Bansal AT,Buntrock-Döpke H,Bønnelykke K,Bush A,Chawes BL,Chung KF,Corcuera-Elosegui P,Dahlén SE,Djukanovic R,Fleming LJ,Fowler SJ,Franke A,Frey U,Gorenjak M,Brandstetter S,Harner S,Hedlin G,Kabesch M,Zounemat-Kermani N,Kheirroldein P,Kiefer A,Konradsen JR,Kraneveld AD,López-Fernández L,Murray CS,Nordlund B,Pino-Yanes M,Potocnik U,Roberts G,Stokholm J,Sørensen SJ,Sardón-Prado O,Shaw DE,Singer F,Sousa AR,Thorsen J,Toncheva AA,Vissing NH,Wolff C,Abdel-Aziz MI,Maitland-van der Zee AH,SysPharmPediA and U-BIOPRED Consortia

[Impact of antimicrobial exposure at delivery and siblings on early Bifidobacterium succession and allergy development up to 24 months of age.](#)

BMC microbiology , Volume: 25 Issue: 1 2025 May 28

Authors Imoto N,Kano C,Morita H,Hirota T,Amanuma F,Maruyama H,Nojiri S,Watanabe S

[From coughs to complications: the story of Chlamydia pneumoniae.](#)

Journal of medical microbiology , Volume: 74 Issue: 4 2025 Apr

Authors Tagini F,Puolakkainen M,Greub G,On Behalf Of The Escmid Study Group For Mycoplasma And Chlamydia Infections Esgmac

[Oral microbiota related to allergy in Norwegian adults.](#)

The journal of allergy and clinical immunology. Global , Volume: 4 Issue: 2 2025 May

Authors Lee M,Vindenes HK,Fouladi F,Shigdel R,Ward JM,Peddada SD,London SJ,Bertelsen RJ

[Early Recognition of Secondary Asthma Caused by Lower Respiratory Tract Infection in Children Based on Multi-Omics Signature: A Retrospective Cohort Study.](#)

International journal of general medicine , Volume: 17 2024

Authors Rao Z,Zhang S,Xu W,Huang P,Xiao X,Hu X

[A systematic review and meta-analysis of the correlation between cough variant asthma and mycoplasma pneumonia in children.](#)

Archives of medical science : AMS , Volume: 20 Issue: 5 2024

Authors Jiao L,Zhang G,Yuan Y,Cao L

[The Microbiota in Children and Adolescents with Asthma.](#)

Children (Basel, Switzerland) , Volume: 11 Issue: 10 2024 Sep 27

Authors Casali L,Stella GM

[Sensitization to Staphylococcus Enterotoxin: Relationship with Aspects of Disease Severity.](#)

Journal of clinical medicine , Volume: 13 Issue: 19 2024 Sep 30

Authors Schoini P,Apollonatos V,Kallieri M,Blizou M,Sfika M,Koufopoulos N,Pouliakis A,Liatsis E,Foukas P,Bakakos P,Loukides S

[A comprehensive review of Mycoplasma pneumoniae infection in chronic lung diseases: recent advances in understanding asthma, COPD, and bronchiectasis.](#)

Frontiers in medicine , Volume: 11 2024

Authors Guo ZQ,Gu SY,Tian ZH,Du BY

[Unveiling genetic links between gut microbiota and asthma: a Mendelian randomization.](#)

Frontiers in microbiology , Volume: 15 2024

Authors Zheng X,Chen M,Zhuang Y,Zhao L,Qian Y,Shi C

[Networks of human milk microbiota are associated with host genomics, childhood asthma, and allergic sensitization.](#)

Cell host & microbe , Volume: 32 Issue: 10 2024 Oct 9

Authors Fang ZY,Stickley SA,Ambalavanan A,Zhang Y,Zacharias AM,Fehr K,Moossavi S,Petersen C,Miliku K,Mandhane PJ,Simons E,Moraes TJ,Sears MR,Surette MG,Subbarao P,Turvey SE,Azad MB,Duan Q

[Racial differences in odds of asthma exacerbations among Aspergillus fumigatus-sensitized adults with asthma.](#)

Annals of allergy, asthma & immunology : official publication of the American College of Allergy, Asthma, & Immunology , 2024 Sep 12

Authors Gleeson PK,Morales KH,Kerlin MP,Fadugba OO,Apter AJ,Christie JD,Himes BE

[Aspergillus fumigatus antigen-reactive Th17 cells are enriched in bronchoalveolar lavage fluid in severe equine asthma.](#)

Frontiers in immunology , Volume: 15 2024

Authors Wjst VF,Lübke S,Wagner B,Rhyner C,Jentsch MC,Arnold C,Lohmann KL,Schnabel CL

[Deep multiomic profiling reveals molecular signatures that underpin preschool wheeze and asthma.](#)

The Journal of allergy and clinical immunology , 2024 Aug 28

Authors Macowan M,Pattaroni C,Bonner K,Chatzis R,Daunt C,Gore M,Custovic A,Shields MD,Power UF,Grigg J,Roberts G,Ghazal P,Schwarze J,Turner S,Bush A,Sagiani S,Lloyd CM,Marsland BJ

[scRNA-seq identifies unique macrophage population in murine model of ozone induced asthma exacerbation.](#)

bioRxiv : the preprint server for biology , 2024 Jul 24

Authors Ray JL,Walum J,Jelic D,Barnes R,Bentley ID,Britt RD,Englert JA,Ballinger MN

[The Belgian IgE study: Staphylococcus aureus toxins in adult severe asthma.](#)

The journal of allergy and clinical immunology. In practice , Volume: 12 Issue: 11 2024 Nov

Authors Schleich F,Maury E,Bachert C,Jansen M,Gurdain S,Van Schoor J,Belgian IgE study investigators

[Intestinal microbiota and probiotic intervention in children with bronchial asthma.](#)

Heliyon , Volume: 10 Issue: 15 2024 Aug 15

Authors Chen X,Yong SB,Yi CY,Feng B,Hsieh KS,Li Q

[Mucus plugging on computed tomography and the sputum microbiome in patients with asthma, chronic obstructive pulmonary disease, and asthma-COPD overlap.](#)

Allergology international : official journal of the Japanese Society of Allergology , Volume: 73 Issue: 4 2024 Oct

Authors Tanabe N,Matsumoto H,Morimoto C,Hayashi Y,Sakamoto R,Oguma T,Nagasaki T,Sunadome H,Sato A,Sato S,Ohashi K,Tsukahara T,Hirai T

[The investigation of the role of oral-originated Prevotella-induced inflammation in childhood asthma.](#)

Frontiers in microbiology , Volume: 15 2024

Authors Yan T,Bao Y,Cao S,Jiang P,Zhang Z,Li L,Kang Y,Wu Q

[Antibiotic administration aggravates asthma by disrupting gut microbiota and the intestinal mucosal barrier in an asthma mouse model.](#)

Experimental and therapeutic medicine , Volume: 27 Issue: 4 2024 Apr

Authors Xu CL,Wang C,Li GB,Zhao T,Zhou RL,Chen J

[Causal associations between gut microbiota, metabolites and asthma: a two-sample Mendelian randomization study.](#)

BMC pulmonary medicine , Volume: 24 Issue: 1 2024 Feb 7

Authors Li J,Zhang C,Tang J,He M,He C,Pu G,Liu L,Sun J

[Genetic evidence on the causality between gut microbiota and various asthma phenotypes: a two-sample Mendelian randomization study.](#)

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Cheng ZX,Wu YX,Jie ZJ,Li XJ,Zhang J

[Genetic association and bidirectional Mendelian randomization for causality between gut microbiota and six lung diseases.](#)

Frontiers in medicine , Volume: 10 2023

Authors Su Y,Zhang Y,Xu J

[Winds of change a tale of: asthma and microbiome.](#)

Frontiers in microbiology , Volume: 14 2023

Authors Galeana-Cadena D,Gómez-García IA,Lopez-Salinas KG,Irineo-Moreno V,Jiménez-Juárez F,Tapia-García AR,Boyzo-Cortes CA,Matías-Martínez MB,Jiménez-Alvarez L,Zúñiga J,Camarena A

[Prevalence of Aspergillus sensitization and Allergic Bronchopulmonary Aspergillosis in bronchial asthma: A systematic review of Indian studies.](#)

Lung India : official organ of Indian Chest Society , Volume: 40 Issue: 6 2023 Nov-Dec

Authors Agarwal R,Muthu V,Sehgal IS,Dhooria S,Prasad KT,Soundappan K,Rudramurthy SM,Aggarwal AN,Chakrabarti A

[Causal relationship between Butyricimonas and allergic asthma: a two-sample Mendelian randomization study.](#)

Frontiers in microbiology , Volume: 14 2023

Authors Wan W,Qiu Y,Huang X,Ren Y,Peng A,Yang C

[The airway microbiota of neonates colonized with asthma-associated pathogenic bacteria.](#)

Nature communications , Volume: 14 Issue: 1 2023 Oct 20

Authors Thorsen J,Li XJ,Peng S,Sunde RB,Shah SA,Bhattacharyya M,Poulsen CS,Poulsen CE,Leal Rodríguez C,Widdowson M,Neumann AU,Trivedi U,Chawes B,Bønnelykke K,Bisgaard H,Sørensen SJ,Stokholm J

[Predicting potential microbe-disease associations with graph attention autoencoder, positive-unlabeled learning, and deep neural network.](#)

Frontiers in microbiology , Volume: 14 2023

Authors Peng L,Huang L,Tian G,Wu Y,Li G,Cao J,Wang P,Li Z,Duan L

- Alterations in the Gut Microbiome of Young Children with Airway Allergic Disease Revealed by Next-Generation Sequencing**
Journal of asthma and allergy , Volume: 16 2023
 Authors Wan J,Song J,Lv Q,Zhang H,Xiang Q,Dai H,Zheng H,Lin X,Zhang W
[Volatile organic compounds \(VOC\) in homes associated with asthma and lung function among adults in Northern Europe.](#)
- Environmental pollution (Barking, Essex : 1987)** , Volume: 321 2023 Mar 15
 Authors Wang J,Janson C,Gislason T,Gunnbjörnsdóttir M,Jogi R,Orru H,Norbäck D
[Asthma, obesity, and microbiota: A complex immunological interaction.](#)
- Immunology letters** , Volume: 255 2023 Mar
 Authors Menegatti LM,de Oliveira EE,Oliveira BC,Macedo GC,de Castro E Silva FM
[The Role of Staphylococcus aureus and Its Toxins in the Pathogenesis of Allergic Asthma.](#)
- International journal of molecular sciences** , Volume: 24 Issue: 1 2022 Dec 30
 Authors Jorde I,Schreiber J,Stegemann-Koniszewski S
[The gut microbiome is a significant risk factor for future chronic lung disease.](#)
- The Journal of allergy and clinical immunology** , Volume: 151 Issue: 4 2023 Apr
 Authors Liu Y,Teo SM,Méric G,Tang HH,Zhu Q,Sanders JG,Vázquez-Baeza Y,Verspoor K,Vartiainen VA,Jousilahti P,Lahti L,Niranen T,Havulinna AS,Knight R,Salomaa V,Inouye M
[The Role of Gut Bacteriome in Asthma, Chronic Obstructive Pulmonary Disease and Obstructive Sleep Apnoea.](#)
- Microorganisms** , Volume: 10 Issue: 12 2022 Dec 13
 Authors Bikov A,Dragonieri S,Csoma B,Mazzuca C,Finamore P,Rocchi G,Putighani L,Guarino M,Scarlata S
[Alteration of Gut Immunity and Microbiome in Mixed Granulocytic Asthma.](#)
- Biomedicines** , Volume: 10 Issue: 11 2022 Nov 16
 Authors Gu BH,Rim CY,Lee S,Kim TY,Joo SS,Lee SJ,Park HK,Kim M
[Aspergillus sensitization associated with current asthma in children in the United States: an analysis of data from the 2005-2006 NHANES.](#)
- Epidemiology and health** , Volume: 44 2022
 Authors Wen HJ,Wang SL,Li MC,Guo YL
[A Case of Allergic Bronchopulmonary Aspergillosis With Bronchial Asthma.](#)
- Cureus** , Volume: 14 Issue: 9 2022 Sep
 Authors Rajpopat PB,Desai BN,Abro S,Garg T,Amedu OS,Ejiyoye TF,Fonseca A,Sajjad T,Hambolu E,Khan A
[Respiratory dysbiosis in cats with spontaneous allergic asthma.](#)
- Frontiers in veterinary science** , Volume: 9 2022
 Authors Vientós-Plotts AI,Ericsson AC,McAdams ZL,Rindt H,Reinero CR
[Non-typeable Haemophilus influenzae airways infection: the next treatable trait in asthma?](#)
- European respiratory review : an official journal of the European Respiratory Society** , Volume: 31 Issue: 165 2022 Sep 30
 Authors Brown MA,Jabeen M,Bharj G,Hinks TSC
[Variations in the respiratory microbiota amongst asthmatic and non-asthmatic subjects in Jordan.](#)
- Saudi journal of biological sciences** , Volume: 29 Issue: 10 2022 Oct
 Authors Al-Ramahi N,Al-Najjar MAA,Jabaley A,Al-Qudah R,Basheti I
[Association of upper airway bacterial microbiota and asthma: systematic review.](#)
- Asia Pacific allergy** , Volume: 12 Issue: 3 2022 Jul
 Authors Losol P,Park HS,Song WJ,Hwang YK,Kim SH,Holloway JW,Chang YS
[Effectiveness of bronchial thermoplasty for severe persistent bronchial asthma accompanied by Pseudomonas aeruginosa infection.](#)
- Respiratory medicine case reports** , Volume: 38 2022
 Authors Ishii S,Iikura M,Sugjura Y,Matsuki R,Izumi S,Hojo M,Sugiyama H
[Detection of Sutterella spp. in Broiler Liver and Breast.](#)
- Frontiers in veterinary science** , Volume: 9 2022
 Authors Derqaoui S,Oukessou M,Attrassi K,Elftouhy FZ,Nassik S
[Gram-negative microbiota is related to acute exacerbation in children with asthma.](#)
- Clinical and translational allergy** , Volume: 11 Issue: 8 2021 Oct
 Authors Kim YH,Jang H,Kim SY,Jung JH,Kim GE,Park MR,Hong JY,Kim MN,Kim EG,Kim MJ,Kim KW,Sohn MH
[Altered gut microbiome compositions are associated with the severity of asthma.](#)
- Journal of thoracic disease** , Volume: 13 Issue: 7 2021 Jul
 Authors Wang Z,Lai Z,Zhang X,Huang P,Xie J,Jiang Q,Zhang Q,Chung KF
[Mycoplasma pneumoniae infection and risk of childhood asthma: A systematic review and meta-analysis.](#)
- Microbial pathogenesis** , Volume: 155 2021 Jun
 Authors Liu X,Wang Y,Chen C,Liu K

Non-allergic severe asthma: is it really always non-allergic? The IDENTIFY project.

Allergy, asthma, and clinical immunology : official journal of the Canadian Society of Allergy and Clinical Immunology , Volume: 16 Issue: 1 2020 Nov 2

Authors Koschel D,Mailänder C,Schwab Sauerbeck I,Schreiber J

Altered respiratory microbiota composition and functionality associated with asthma early in life.

BMC infectious diseases , Volume: 20 Issue: 1 2020 Sep 22

Authors Al Bataineh MT,Hamoudi RA,Dash NR,Ramakrishnan RK,Almasalmeh MA,Sharif HA,Al-Hajjaj MS,Hamid Q

Metagenome analysis using serum extracellular vesicles identified distinct microbiota in asthmatics.

Scientific reports , Volume: 10 Issue: 1 2020 Sep 15

Authors Lee JH,Choi JP,Yang J,Won HK,Park CS,Song WJ,Kwon HS,Kim TB,Kim YK,Park HS,Cho YS

Longitudinal Changes in Early Nasal Microbiota and the Risk of Childhood Asthma.

Pediatrics , Volume: 146 Issue: 4 2020 Oct

Authors Toivonen L,Karppinen S,Schuez-Havupalo L,Waris M,He Q,Hoffman KL,Petrosino JF,Dumas O,Camargo CA Jr,Hasegawa K,Peltola V

Sex effects in the association between airway microbiome and asthma.

Annals of allergy, asthma & immunology : official publication of the American College of Allergy, Asthma, & Immunology , Volume: 125 Issue: 6 2020 Dec

Authors Chen R,Wang L,Koch T,Curtis V,Yin-DeClue H,Handley SA,Shan L,Holtzman MJ,Castro M,Wang L

Metagenomic Characterization of Indoor Dust Bacterial and Fungal Microbiota in Homes of Asthma and Non-asthma Patients Using Next Generation Sequencing.

Frontiers in microbiology , Volume: 11 2020

Authors Gangneux JP,Sassi M,Lemire P,Le Cann P

Chronic Inflammatory Diseases at Secondary Sites Ensuing Urogenital or Pulmonary Chlamydia Infections.

Microorganisms , Volume: 8 Issue: 1 2020 Jan 17

Authors Cheek YY,Lee CYQ,Cheong HC,Looi CY,Wong WF

Development of the Microbiota and Associations With Birth Mode, Diet, and Atopic Disorders in a Longitudinal Analysis of Stool Samples, Collected From Infancy Through Early Childhood.

Gastroenterology , Volume: 158 Issue: 6 2020 May

Authors Galazzo G,van Best N,Bervoets L,Dapaah IO,Savelkoul PH,Hornef MW,GI-MDH consortium,Lau S,Hamelmann E,Penders J

Obesity and disease severity magnify disturbed microbiome-immune interactions in asthma patients.

Nature communications , Volume: 10 Issue: 1 2019 Dec 13

Authors Michalovich D,Rodriguez-Perez N,Smolinska S,Pirozynski M,Mayhew D,Uddin S,Van Horn S,Sokolowska M,Altunbulakli C,Eljaszewicz A,Pugin B,Barcik W,Kurnik-Lucka M,Saunders KA,Simpson KD,Schmid-Grendelmeier P,Ferstl R,Frei R,Sievi N,Kohler M,Gajdanowicz P,Graversen KB,Lindholm Bagh K,Jutel M,Brown JR,Akdis CA,Hessel EM,O`Mahony L

Gut microbial-derived butyrate is inversely associated with IgE responses to allergens in childhood asthma.

Pediatric allergy and immunology : official publication of the European Society of Pediatric Allergy and Immunology , Volume: 30 Issue: 7 2019 Nov

Authors Chiu CY,Cheng ML,Chiang MH,Kuo YL,Tsai MH,Chiu CC,Lin G

Association between the intestinal microbiota and allergic sensitization, eczema, and asthma: A systematic review.

The Journal of allergy and clinical immunology , Volume: 143 Issue: 2 2019 Feb

Authors Zimmermann P,Messina N,Mohn WW,Finlay BB,Curtis N

Gut microbiota relationships to lung function and adult asthma phenotype: a pilot study.

BMJ open respiratory research , Volume: 5 Issue: 1 2018

Authors Begley L,Madapoosi S,Opron K,Ndum O,Baptist A,Rysoo K,Erb-Downward JR,Huang YJ

A metagenome-wide association study of gut microbiota in asthma in UK adults.

BMC microbiology , Volume: 18 Issue: 1 2018 Sep 12

Authors Wang Q,Li F,Liang B,Liang Y,Chen S,Mo X,Ju Y,Zhao H,Jia H,Spector TD,Xie H,Guo R

Proteobacteria: A Common Factor in Human Diseases.

BioMed research international , Volume: 2017 2017

Authors Rizzatti G,Lopetuso LR,Gibiino G,Binda C,Gasbarrini A

IL-17 and TNF-α Are Key Mediators of Moraxella catarrhalis Triggered Exacerbation of Allergic Airway Inflammation.

Frontiers in immunology , Volume: 8 2017

Authors Alnahas S,Hagner S,Raifer H,Kilic A,Gasteiger G,Mutters R,Hellhund A,Prinz I,Pinkenburg O,Visekruna A,Garn H,Steinhoff U

Chlamydia infection associated with asthma.

Nursing standard (Royal College of Nursing (Great Britain) : 1987) , Volume: 5 Issue: 46 1991 Aug 7

Authors

Emerging evidence of the role of gut microbiota in the development of allergic diseases.**Current opinion in allergy and clinical immunology** , Volume: 16 Issue: 4 2016 Aug

Authors Simonyte Sjödin K,Vidman L,Ryden P,West CE

Chlamydia pneumoniae, and mycoplasma pneumoniae: Are they related to severe asthma in childhood?**The Journal of asthma : official journal of the Association for the Care of Asthma** , Volume: 53 Issue: 6 2016 Aug

Authors Iramain R,De Jesús R,Spitters C,Jara A,Jimenez J,Bogado N,Cardozo L

[Comparison Study of Oropharyngeal Microbiota in Case of Bronchial Asthma and Chronic Obstructive Pulmonary Disease in Different Severity Levels].**Vestnik Rossiiskoi akademii meditsinskikh nauk** , Issue: 6 2015

Authors Ogorodova LM,Fedosenko SV,Popenko AS,Petrov VA,Tyakht AV,Saltykova IV,Deev IA,Kulikov ES,Kirillova NA,Govorun VM,Kostryukova ES

Allergic Patients with Long-Term Asthma Display Low Levels of Bifidobacterium adolescentis.**PloS one** , Volume: 11 Issue: 2 2016

Authors Hevia A,Milani C,López P,Donado CD,Cuervo A,González S,Suárez A,Turroni F,Gueimonde M,Ventura M,Sánchez B,Margolles A

Nontypeable Haemophilus influenzae-Induced MyD88 Short Expression Is Regulated by Positive IKK β and CREB Pathways and Negative ERK1/2 Pathway.**PloS one** , Volume: 10 Issue: 12 2015

Authors Andrews CS,Miyata M,Susuki-Miyata S,Lee BC,Komatsu K,Li JD

Haemophilus influenzae responds to glucocorticoids used in asthma therapy by modulation of biofilm formation and antibiotic resistance.**EMBO molecular medicine** , Volume: 7 Issue: 8 2015 Aug

Authors Earl CS,Keong TW,An SQ,Murdoch S,McCarthy Y,Garmendia J,Ward J,Dow JM,Yang L,O'Toole GA,Ryan RP

Staphylococcus aureus colonization is associated with wheeze and asthma among US children and young adults.**The Journal of allergy and clinical immunology** , Volume: 135 Issue: 3 2015 Mar

Authors Davis MF,Peng RD,McCormack MC,Matsui EC

Impaired macrophage phagocytosis of bacteria in severe asthma.**Respiratory research** , Volume: 15 2014 Jun 27

Authors Liang Z,Zhang Q,Thomas CM,Chana KK,Gibson D,Barnes PJ,Chung KF,Bhavsar PK,Donnelly LE

Potentially pathogenic airway bacteria and neutrophilic inflammation in treatment resistant severe asthma.**PloS one** , Volume: 9 Issue: 6 2014

Authors Green BJ,Wiriyachaiporn S,Grainge C,Rogers GB,Kehagia V,Lau L,Carroll MP,Bruce KD,Howarth PH

The role of Mycoplasma pneumoniae infection in the initial onset and exacerbations of asthma.**Allergy and asthma proceedings** , Volume: 35 Issue: 3 2014 May-Jun

Authors Watanabe H,Uruma T,Nakamura H,Aoshiba K

Is asthma an infectious disease? New evidence.**Current allergy and asthma reports** , Volume: 13 Issue: 6 2013 Dec

Authors Atkinson TP

Differences in fungi present in induced sputum samples from asthma patients and non-atopic controls: a community based case control study.**BMC infectious diseases** , Volume: 13 2013 Feb 5

Authors van Woerden HC,Gregory C,Brown R,Marchesi JR,Hoogendoorn B,Matthews IP

Asthma-associated differences in microbial composition of induced sputum.**The Journal of allergy and clinical immunology** , Volume: 131 Issue: 2 2013 Feb

Authors Marri PR,Stern DA,Wright AL,Billheimer D,Martinez FD

Streptococcus pyogenes upper respiratory infection and atopic conditions other than asthma: a retrospective cohort study.**Primary care respiratory journal : journal of the General Practice Airways Group** , Volume: 21 Issue: 2 2012 Jun

Authors Juhn YJ,Frey D,Li X,Jacobson R

Wheeze in preschool age is associated with pulmonary bacterial infection and resolves after antibiotic therapy.**PloS one** , Volume: 6 Issue: 11 2011

Authors Schwerk N,Brinkmann F,Soudah B,Kabesch M,Hansen G

Early intestinal Bacteroides fragilis colonisation and development of asthma.**BMC pulmonary medicine** , Volume: 8 2008 Sep 26

Authors Vael C,Nelen V,Verhulst SL,Goossens H,Desager KN

Bioallergens in the air of selected areas in Visakhapatnam.**Journal of environmental science & engineering** , Volume: 49 Issue: 4 2007 Oct

Authors Srinivas T,Aruna Lakshmi K,Prasuna RG,Sheela Veronica A

Ecological association between scarlet fever and asthma.

Respiratory medicine , Volume: 100 Issue: 2 2006 Feb

Authors Vargas MH

[Chlamydia pneumoniae infection in asthmatic patients.](#)

The Egyptian journal of immunology , Volume: 10 Issue: 1 2003

Authors Araafa RM,Matta AM,Bassuny EA,Gad NM,Anan A

[The role of atypical organisms in asthma.](#)

Allergy and asthma proceedings , Volume: 21 Issue: 2 2000 Mar-Apr

Authors Daian CM,Wolff AH,Bielory L

[Bacterial precipitins and their immunoglobulin class in atopic asthma, non-atopic asthma, and chronic bronchitis.](#)

Thorax , Volume: 31 Issue: 4 1976 Aug

Authors Davies RJ,Holford-Strevens VC,Wells ID,Pepys J

[Benzoic acid and oregano essential oil interact to increase the immune function and intestinal development of Langshan chickens.](#)

British poultry science , 2026 Feb 5

Authors Peng H,Zhang L,Zhao L,Xing T,Gao F

[Biological Characterization and Essential Oil Profiles of Eastern European Cultivars of Thymus, Satureja, and Monarda.](#)

Molecules (Basel, Switzerland) , Volume: 31 Issue: 2 2026 Jan 19

Authors Pokajewicz K,Chodura M,Lezrag HA,Svydenko L,Nabrdalik M,Moliszewska E,Fatmi S,Hudz N,Wieczorek PP

[Phenolic Compounds, Antioxidant and Antimicrobial Activities of Punica granatum L. Fruit Extracts.](#)

Molecules (Basel, Switzerland) , Volume: 31 Issue: 2 2026 Jan 19

Authors Božovic M,Tadic V,Oliva A,Mladenovic M,Astolfi R,Ragno R

[Cinnamomum cassia Modulates Key Players of Gut-Liver Axis in Murine Lupus.](#)

Biomedicines , Volume: 14 Issue: 1 2025 Dec 19

Authors Maalouly G,Itani T,Fares N

[Curcuma longa debranched starch assisted synthesis of cerium oxide nanoparticles and its antioxidant, anticancer, antimicrobial, and anti-biofilm activities.](#)

Scientific reports , 2026 Jan 19

Authors Sana SS,Mishra V,Vadde R,Sillanpaa M,Alfarraj S, Van Hung P,Kim SC

[Dietary inulin mediates the molecular mechanism of intestinal metabolites to alleviate high salt diet-induced chronic kidney disease in mice.](#)

The Journal of nutritional biochemistry , 2026 Jan 15

Authors Qu Q,Gao H,Gao X,Li P,Mou Y,Kong X,Tan X

[Photothermic Release of Curcumin for Antimicrobial Photodynamic Therapy.](#)

ACS omega , Volume: 10 Issue: 48 2025 Dec 9

Authors Trigo-Gutierrez JK,Medaglia S,Aznar E,Martínez-Máñez R,Mima EGO

[Synergistic Effects of Garlic Extract and Mannan-Oligosaccharide Prebiotic Supplementation on Growth Performance, Carcass Quality, Immunity, Gut Morphology and Microbiome in Broiler Chickens.](#)

Veterinary medicine and science , Volume: 12 Issue: 1 2026 Jan

Authors Khan A,Mushtaq M,Shah M,Khan RU,Alonaizan R,Naz S,Abudabos A,Israr M

[Energy-sparing effect of oregano \(Origanum vulgare subsp. hirtum\) essential oil and its mixtures in broilers: Improved feed efficiency via optimized intestinal health.](#)

Poultry science , Volume: 105 Issue: 3 2025 Dec 29

Authors Li X,Wang S,Zhang L,Li D,Li H,Zhang Q,Jin C,Wang J,Wang J,Han J,Liu F,Jin S,Jin L,Shi D

[Change of oral microbiome diversity by smoking across different age groups.](#)

Frontiers in microbiology , Volume: 16 2025

Authors Seo K,Min JY,Min KB,Oh KH,Ryoo SW,Son SY, Lee JH

[Synthesis, Anti-Tumour, and Antibacterial Activities of Monocarbonyl Curcumin Analogues of Piperidones.](#)

International journal of molecular sciences , Volume: 26 Issue: 24 2025 Dec 18

Authors Dong R,Xu R,Wang X

[Lactulose as a prebiotic improved the intestinal health and metabolism of geese.](#)

Frontiers in veterinary science , Volume: 12 2025

Authors Wang X,Ye P,Zhu J,Zhu X,He X,Meng Y,Cao S,Zhao L

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

Molecular biotechnology , 2025 Nov 29

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

[Dual Mechanisms of Raffinose in Attenuating Alcoholic Liver Injury: Gut Microbiota Modulation and Microbiota-Independent Bile Acid Pool Reprogramming.](#)

Journal of agricultural and food chemistry , 2025 Nov 9

Authors Hu L,Duan T,Hao Y,Wang C,Wang L,Xu P,Yang X,Yang X,Li T

[Comparative analysis of dietary fiber impact on bile acid metabolism and gut microbiota composition in mice.](#)**Npj gut and liver** , Volume: 2 Issue: 1 2025

Authors Zöchling A,Séneca J,Pjevac P,Auñon-Lopez A,Zebeli Q,Pignitter M,Duszka K

[Phytochemical analysis and bioactive potential of Moringa, Eucalyptus, and Nerium extracts against microbial, diabetic, inflammatory, and oxidative stress challenges.](#)**3 Biotech** , Volume: 15 Issue: 11 2025 Nov

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

[Exploring the Effects of Dietary Intake on Gut Microbiome Diversity and Composition of Older Adults with Type 1 Diabetes: A Pilot Study.](#)**Current developments in nutrition** , Volume: 9 Issue: 10 2025 Oct

Authors Dubal AS,Sarteau AC,Azcarate-Peril MA,Djukic Z,Ercolino G,Fruik A,Ho J,Lee Z,Roach J,Valancius M,Young LA,Carroll IM,Kahkoska AR

[Effects of different intake levels of brown rice and whole wheat on the mental state of mice.](#)**Food chemistry** , Volume: 496 Issue: Pt 2 2025 Oct 9

Authors Zhi L,Wu T,Zhu Y,Zhao Q,Xue Y,Shen Q

[Rosemary Essential Oil Microemulsion for Fungal Keratitis Treatment.](#)**Chemistry & biodiversity** , 2025 Oct 15

Authors Ribeiro S,Moraes MC,Scoaris DO,Madeira JEGC,Fialho SL,Moreira CPS

[The addition of encapsulated Bacillus subtilis, Enterococcus faecium, and Lactobacillus plantarum postbiotics, either alone or with inulin, improves slaughter weight, gut function, and microbiota in broilers.](#)**BMC veterinary research** , Volume: 21 Issue: 1 2025 Oct 14

Authors Atan Çirpici H,Kirkpinar F

[Garlic essential oil alleviate oxidative stress, inflammation and microbiota dybiosis from small intestinal damage in lipopolysaccharide-challenged weaned piglets.](#)**Porcine health management** , Volume: 11 Issue: 1 2025 Sep 30

Authors Chen Y,Song W,Sun C,Chen Y,Chen X,Chen S,Chen Q,Wang K

[Comparative Molecular Profiling and Bioactivity Analysis of Algerian Propolis: Antioxidant, Antibacterial Activities, and In Silico NRF2-KEAP1 Pathway Modulation.](#)**Current issues in molecular biology** , Volume: 47 Issue: 9 2025 Sep 15

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

[In Vitro and In Silico Analysis of Differential Antibacterial Activity of Pomegranate Polyphenols Against Gram-Positive and Gram-Negative Bacteria.](#)**Antibiotics (Basel, Switzerland)** , Volume: 14 Issue: 9 2025 Sep 10

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

[Optimization of Manuka Honey microbubble particle structures for enhanced inhibition of Pseudomonas aeruginosa growth.](#)**Journal of microbiological methods** , Volume: 238 2025 Sep 24

Authors Lin PJ

[Development of transfersomal nanocarriers loaded with Javanese turmeric essential oils and evaluation of their biological activity.](#)**Food science and biotechnology** , Volume: 34 Issue: 14 2025 Oct

Authors Mustati LF,Mufidah AH,Antonius H,Widiyastuti Y,Rahmi EP,Yuandani,Yuliani T,Septama AW

[Association of lactose intake and lactase persistence genotype with microbial taxa and function in healthy multi-ethnic U.S. adults.](#)**Food & function** , 2025 Aug 29

Authors Tang Y,Oliver A,Alkan Z,Korf I,Huang L,Kable ME,Lemay DG

[Rosemary Extract: Phytochemical Composition and Potential for Eliminating Polymicrobial Biofilm of Candida albicans and Multidrug-Resistant Bacteria.](#)**Biotech (Basel (Switzerland))** , Volume: 14 Issue: 3 2025 Aug 13

Authors Cintra TMF,Menezes RT,de Carvalho LS,de Miguel Nazario L,Hantao LW,Marcucci MC,Oliveira LD,Meccatti-Domiciano VM

[Salivary pH Modulation and Antimicrobial Properties of Oregano-Oil Jelly in Relation to Menstrual and Menopausal Status.](#)**Nutrients** , Volume: 17 Issue: 15 2025 Jul 29

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

[Ultrasound-enhanced bioaccessibility and pharmacological activities of curcumin in inclusion complexes.](#)**Food chemistry** , Volume: 493 Issue: Pt 1 2025 Jul 25

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

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

PloS one , Volume: 20 Issue: 8 2025

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

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

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

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

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

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

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

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

Nutrients , Volume: 17 Issue: 12 2025 Jun 17

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

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

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

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

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

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

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

[The protective effects of propolis against lipopolysaccharide-induced acute liver injury by modulating serum metabolites and gut flora.](#)

Scientific reports , Volume: 15 Issue: 1 2025 May 15

Authors Liu Z,Li Z,Guo Y,Li Y,Xuan H

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

ACS applied bio materials , 2025 May 14

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

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

Nutrients , Volume: 17 Issue: 9 2025 Apr 25

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

[A single-cell transcriptomic atlas of all cell types in the brain of 5x FAD Alzheimer mice in response to dietary inulin supplementation.](#)

BMC biology , Volume: 23 Issue: 1 2025 May 9

Authors Wang X,Zhang H,Wan Z,Li X,Ibáñez CF,Xie M

[Barley polysaccharides modulate metabolic and mild cognitive impairment in naturally aging mice through the liver-gut-brain axis.](#)

International journal of biological macromolecules , 2025 May 6

Authors Fan M,Jiang Y,Cai C,Wang Z,Chen L,Zhang X,Yin H,Hu S,Liu J,Qian Z,Huang 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

[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

[Metabolic Profile, Antioxidant, Antimicrobial, Contractile, and Anti-Inflammatory Potential of *Moringa oleifera* Leaves \(India\).](#)

Life (Basel, Switzerland) , Volume: 15 Issue: 4 2025 Apr 1

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

[Dry ginger and *Schisandra chinensis* modulate intestinal flora and bile acid metabolism to treatment asthma.](#)

Frontiers in microbiology , Volume: 16 2025

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

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

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

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

Pharmacological insights into Azadirachta indica fruit: GC-MS Profiling and evaluation of key bioactivities on experimental animals.

Pakistan journal of pharmaceutical sciences , Volume: 38 Issue: 1 2025 Jan-Feb

Authors Razzak M,Riaz A,Rajput MA,Wahid S,Alqahtani A,Saeed Khan S,Nawaz M,Ahmed A

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

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

Journal of agricultural and food chemistry , 2025 Mar 26

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

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

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

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

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

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

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

Multi-omics analysis of the mechanism of alfalfa and wheat-induced rumen flatulence in Xizang sheep.

Microbiology spectrum , 2025 Mar 7

Authors Wu J,Zhang X,Ayesha K,Khuram S,Cui J,Wang G,Yangzong Z,Shi M,Jiang X,Li L,Liu G,Zhao W,Song T

Maternal dietary inulin intake during late gestation and lactation ameliorates intestinal oxidative stress in piglets with the involvements of gut microbiota and bile acids metabolism.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 20 2025 Mar

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

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

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

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

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

Microorganisms , Volume: 13 Issue: 2 2025 Jan 30

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

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,Laghoulouaouta 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

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

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

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

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

Curcumin Mitigates Gut Dysbiosis and Enhances Gut Barrier Function to Alleviate Metabolic Dysfunction in Obese, Aged

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

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

Determination of antibacterial and antioxidant potential of organic crude extracts from Malus domestica, Cinnamomum verum and Trachyspermum ammi.**Scientific reports , Volume: 15 Issue: 1 2025 Jan 6**

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

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

Impact of cigarette smoking on gut microbial dysbiosis: a structured literature review.**Gut microbiome (Cambridge, England) , Volume: 5 2024**

Authors Imade EE,Obayagbona NO

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

Compositional Variations in Wheat Bran Influence Growth Performance, Nutrient Retention, and Cecal Microbiome in Broilers.**Animals : an open access journal from MDPI , Volume: 14 Issue: 23 2024 Nov 26**

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

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

Microencapsulation of Azadirachta indica oil and Tinospora cordifolia extracts blend for single-use applications.**Heliyon , Volume: 10 Issue: 20 2024 Oct 30**

Authors Khan O,Chandra Das S,Bedoura S

Natural compounds in the fight against Staphylococcus aureus biofilms: a review of antibiofilm strategies.**Frontiers in pharmacology , Volume: 15 2024**

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

Ultrasonic depolymerization of pomegranate peel pectin: Effect of sonication time on antioxidant, α -amylase inhibitory, and prebiotic properties.**Food chemistry: X , Volume: 24 2024 Dec 30**

Authors Bachari S,Ghaderi-Ghahfarokhi M,Gavilighi HA,Zarei M

Altered interaction network in the gut microbiota of current cigarette smokers.**Engineering microbiology , Volume: 4 Issue: 2 2024 Jun**

Authors Zhu Z,Wang M,Guan Y,Li M,Peng Q,Zheng N,Ma W

Gut microbiota and mycobiota change with feeding duration in mice on a high-fat and high-fructose diet.**BMC microbiology , Volume: 24 Issue: 1 2024 Nov 29**

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

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

Supplementation with inulin reverses cognitive flexibility alterations and modulates the gut microbiota in high-fat-fed mice.**Frontiers in behavioral neuroscience , Volume: 18 2024**

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

Protective effects of insoluble dietary fiber from cereal bran against DSS-induced chronic colitis in mice: From inflammatory responses, oxidative stress, intestinal barrier, and gut microbiota.

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

Authors Li M,Wang Q,Niu M,Yang H,Zhao S

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,Kejik Z,Abramenko N,Kaplánek R,Jakubek M,Petrlova J

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

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

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

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

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

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

Authors Dahiya A,Chaudhari VS,Bose S

Lecithin-based mixed polymeric micelles for activity improvement of curcumin against Staphylococcus aureus.

Journal of biomaterials science. Polymer edition , 2024 Oct 26

Authors Jia Y,Li Y,Wang M,Wang F,Liu Q,Song Z

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

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

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

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

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

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

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

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

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

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

Cureus , Volume: 16 Issue: 9 2024 Sep

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

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

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

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

Analysis of the fermentation kinetics and gut microbiota modulatory effect of dried chicory root reveals the impact of the plant-cell matrix rationalizing its conversion in the distal colon.

Microbiome research reports , Volume: 3 Issue: 3 2024

Authors Puhlmann ML,van de Rakt E,Kerezoudi EN,Rangel I,Brummer RJ,Smidt H,Kaper FS,de Vos WM

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

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

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

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

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

Frontiers in microbiology , Volume: 15 2024

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

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

Natural product research , 2024 Oct 1

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

[Barley \$\beta\$ -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

[Synthesis of Tellurium Nanoparticles Using Moringa oleifera Extract, and Their Antibacterial and Antibiofilm Effects against Bacterial Pathogens.](#)

Microorganisms , Volume: 12 Issue: 9 2024 Sep 6

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

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

Biology , Volume: 13 Issue: 9 2024 Aug 30

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

[Determinants of raffinose family oligosaccharide use in Bacteroides species.](#)

Journal of bacteriology , Volume: 206 Issue: 10 2024 Oct 24

Authors Basu A,Adams AND,Degnan PH,Vanderpool CK

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

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

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

[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

[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

[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,Satyel 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

[Effects of Moringa oleifera Leaf Powder on the Growth Performance, Meat Quality, Blood Parameters, and Cecal Bacteria of Broilers.](#)

Veterinary sciences , Volume: 11 Issue: 8 2024 Aug 14

Authors Akib MG,Rifat A,Bormon C,Dutta A,Ataher MS,Azzam M,Farouk MH,Das R,Azad MAK,Mahfuz S

[Chitosan/gelatin coating loaded with ginger essential oil/ \$\beta\$ -cyclodextrin inclusion complex on quality and shelf life of blueberries.](#)

International journal of biological macromolecules , Volume: 279 Issue: Pt 4 2024 Nov

Authors Hossen MA,Shimul IM,Sameen DE,Rasheed Z,Tanga W,Chen M,Liu Y

[Epicatechin and \$\beta\$ -glucan from whole highland barley grain ameliorates hyperlipidemia associated with attenuating intestinal barrier dysfunction and modulating gut microbiota in high-fat-diet-fed mice.](#)

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

Authors Liu Z,Tang R,Liu J,Zhang Z,Li Y,Zhao R

[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

[Effects of varying wheat levels on growth performance, intestinal barrier, and cecal microbiota of broilers.](#)

Frontiers in veterinary science , Volume: 11 2024

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

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

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

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

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

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

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

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

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

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

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

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

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

Development and Evaluation of Microencapsulated Oregano Essential Oil as an Alternative Treatment for Candida albicans Infections.

ACS applied materials & interfaces , Volume: 16 Issue: 31 2024 Aug 7

Authors Fernandes L,Barco-Tejada A,Blázquez E,Araújo D,Ribeiro A,Silva S,Cussó L,Costa-de-Oliveira S,Rodrigues ME,Henriques M

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

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,Leelahavanichkul A,Joyjinda Y,Aksornkitti V,Chomtho S

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

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

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

Consumption of dietary turmeric promotes fat browning and thermogenesis in association with gut microbiota regulation in high-fat diet-fed mice.

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

Authors Yang C,Du Y,Zhao T,Zhao L,Liu L,Liu L,Yang X

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

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

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

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

Biopolymers , Volume: 115 Issue: 6 2024 Nov

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

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

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

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

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

Food chemistry , Volume: 458 2024 Nov 15

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

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

Food chemistry: X , Volume: 23 2024 Oct 30

Authors Luca L,Pauliuc D,Oroian M

Growth performance, nutrients digestibility, intestinal microbiota and histology altered in broilers fed maize- or sorghum-based diets.

The veterinary quarterly , Volume: 44 Issue: 1 2024 Dec

Authors Ahmad A,Sultan A,Naz S,Chand N,Islam Z,Alhidary IA,Khan RU,Abdelrahman SH,Dai S

Procyanidin B1 and Coumaric Acid from Highland Barley Alleviated High-Fat-Diet-Induced Hyperlipidemia by Regulating PPARα-Mediated Hepatic Lipid Metabolism and Gut Microbiota in Diabetic C57BL/6J Mice.

Foods (Basel, Switzerland) , Volume: 13 Issue: 12 2024 Jun 12

Authors Liu Z,Liu J,Tang R,Zhang Z,Tian S

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

Meat science , Volume: 216 2024 Oct

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

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

Multifunctional chitosan-cross linked- curcumin-tannic acid biocomposites disrupt quorum sensing and biofilm formation in pathogenic bacteria.

International journal of biological macromolecules , Volume: 271 Issue: Pt 1 2024 Jun

Authors Khan ZA,Wani MY,Ahmad A,Basha MT,Aly NA,Yakout AA

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

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

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

Safety and effects of acetylated and butyrylated high amylose maize starch in recently diagnosed youths with type 1 diabetes; a Pilot Study.

medRxiv : the preprint server for health sciences , 2024 Jun 3

Authors Ismail HM,Liu J,Netherland M Jr,Evans-Molina C,DiMeglio LA

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

Veterinary world , Volume: 17 Issue: 4 2024 Apr

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

Synergistic antimicrobial action of chitosan-neem extracts nanofomulation as a promising strategy for overcoming multi-drug resistant bacteria.

International journal of biological macromolecules , Volume: 272 Issue: Pt 1 2024 Jun

Authors Almowallad SJ,Alqahtani LS

Rosmarinic acid alleviates fungal keratitis caused by Aspergillus fumigatus by inducing macrophage autophagy.

Experimental eye research , Volume: 244 2024 Jul

Authors Wang Z,Lin J,Wang Q,Fu Y,Gu L,Tian X,Yu B,Fu X,Zheng H,Li C,Zhao G

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

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

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

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

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

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

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

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

Elucidation of the beneficial role of co-fermented whole grain quinoa and black barley with Lactobacillus on rats fed a western-style diet via a multi-omics approach.

Food research international (Ottawa, Ont.) , Volume: 187 2024 Jul

Authors Lin ZH,Zhong LY,Jiang HB,Zhu C,Wei FF,Wu Y,Song LH

Nanoemulsion of cinnamon oil to combat colistin-resistant Klebsiella pneumoniae and cancer cells.

Microbial pathogenesis , Volume: 192 2024 Jul

Authors El-Sherbiny GM,Kalaba MH,Foda AM,M E S,Youssef ASE,A Elsehemy I,Farghal EE,El-Fakharany EM

[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,Leelahavanichkul A,Tepaamorndech S,Chamni S,Mekangkul E,Chomtho S

[Impact of whole grain highland hull-less barley on the denaturing gradient gel electrophoresis profiles of gut microbial communities in rats fed high-fat diets.](#)

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

Authors Xia X,Lu J,Chen X,Zhou L,Huang Y,Ding S,Li G

[Effects of garlic-derived fructan and oligofructose mixtures on intestinal health and constipation relief in mice.](#)

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

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

[Chlorogenic Acid/Linoleic Acid-Fortified Wheat-Resistant Starch Ameliorates High-Fat Diet-Induced Gut Barrier Damage by Modulating Gut Metabolism.](#)

Journal of agricultural and food chemistry , Volume: 72 Issue: 20 2024 May 22

Authors Guo Q,Chen L,Liu Z,Zheng B

[Antimicrobial activity of Cinnamomum zeylanicum essential oil against colistin-resistant gram-negative bacteria.](#)

International journal of environmental health research , 2024 May 2

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

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

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

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

[Beneficial Effects of Dietary Fiber in Young Barley Leaf on Gut Microbiota and Immunity in Mice.](#)

Molecules (Basel, Switzerland) , Volume: 29 Issue: 8 2024 Apr 22

Authors Chudan S,Kurakawa T,Nishikawa M,Nagai Y,Tabuchi Y,Ikushiro S,Furusawa Y

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

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

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

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

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

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

[Inulin has a beneficial effect by modulating the intestinal microbiome in a BALB/c mouse model.](#)

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

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

[Anti-Quorum Sensing and Anti-Biofilm Activity of Ginger \(Zingiber officinale\) Rhizomes against Multidrug-Resistant Clinical Isolates of Pseudomonas aeruginosa.](#)

Avicenna journal of medical biotechnology , Volume: 16 Issue: 1 2024 Jan-Mar

Authors Sagar PK,Sharma P,Singh R

[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

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

Poultry science , Volume: 103 Issue: 5 2024 May

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

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

Poultry science , Volume: 103 Issue: 6 2024 Jun

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

[Pharmacological Potential Effects of Algerian Propolis Against Oxidative Stress, Multidrug-Resistant Pathogens Biofilm and Quorum-Sensing.](#)

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

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

[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

Antimicrobial phytoconstituents from Azadirachta indica (neem) with potential inhibitor against FtsZ protein of Pseudomonas aeruginosa.

Natural product research , 2024 Mar 22

Authors Orozco-Ugarriza ME,Arrieta Caldera NP,Olivo-Martínez Y

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

Diet Mediate the Impact of Host Habitat on Gut Microbiome and Influence Clinical Indexes by Modulating Gut Microbes and Serum Metabolites.

Advanced science (Weinheim, Baden-Wurttemberg, Germany) , 2024 Mar 13

Authors Zhang J,Qi H,Li M,Wang Z,Jia X,Sun T,Du S,Su C,Zhi M,Du W,Ouyang Y,Wang P,Huang F,Jiang H,Li L,Bai J,Wei Y,Zhang X,Wang H,Zhang B,Feng Q

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

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

Frontiers in nutrition , Volume: 10 2023

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

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

Inhibitory Effects of Endemic Thyme's Thymol-Carvacrol Chemotype Essential Oil on Aspergillus Species with Free Radical Scavenging Properties.

Chemistry & biodiversity , Volume: 21 Issue: 5 2024 May

Authors Mirahmadi SF,Shayganfar A

Olive oil nanoemulsion containing curcumin: antimicrobial agent against multidrug-resistant bacteria.

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

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

The pomegranate-derived peptide Pug-4 alleviates nontypeable Haemophilus influenzae-induced inflammation by suppressing NF- κ B signaling and NLRP3 inflammasome activation.

PeerJ , Volume: 12 2024

Authors Jantaruk P,Roytrakul S,Sistayanarain A,Kunthalert D

Curcumin attenuates aflatoxin B1-induced ileum injury in ducks by inhibiting NLRP3 inflammasome and regulating TLR4/NF- κ 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

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

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

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

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

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

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

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

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

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

Biochemical Profiling and Physicochemical and Biological Valorization of Iraqi Honey: A Comprehensive Analysis.

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

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

Antibacterial activity of plant-derived compounds and cream formulations against canine skin bacteria.

Veterinary research communications , 2024 Feb 7

Authors Strompřová V,Štempelová L,Wolaschka T

Effect of 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,Onyeaghalo 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

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

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

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

Moringa oleifera Gum-Assisted Synthesis and Characterization of CoAg(x)Fe(2-x)O(4): Insight into Structural, Magnetic, Optical, and Biomedical Properties.

ACS omega , Volume: 9 Issue: 3 2024 Jan 23

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

Gut microbiota and metabolic profiles in chronic intermittent hypoxia-induced rats: disease-associated dysbiosis and metabolic disturbances.

Frontiers in endocrinology , Volume: 14 2023

Authors Li C,Shi S

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

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

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

Enhancing milk quality and modulating rectal microbiota of dairy goats in starch-rich diet: the role of bile acid supplementation.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Jan 22

Authors Yin Q,Yu J,Li J,Zhang T,Wang T,Zhu Y,Zhang J,Yao J

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

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

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

Fructose dose-dependently influences colon barrier function by regulation of some main physical, immune, and biological factors in rats.

The Journal of nutritional biochemistry , Volume: 126 2024 Apr

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

Distribution characteristics of intestinal flora in patients with OSAHS and the relationship between different intestinal flora and sleep disorders, hypoxemia and obesity.

Sleep & breathing = Schlaf & Atmung , Volume: 28 Issue: 3 2024 Jun

Authors Feng G,Zhuge P,Zou Y,Zhang Z,Guo J,Ma J

Effect of chemical, thermal, and enzymatic processing of wheat bran on the solubilization, technological and biological properties of non-starch polysaccharides.

Carbohydrate polymers , Volume: 328 2024 Mar 15

Authors Paesani C,Lammers TCG,Sciarini LS,Moiraghi M,Pérez GT,Fabi JP

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

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

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

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

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

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

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

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

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

Authors Alcoléa 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

[Moringa oleifera leaf alleviates functional constipation via regulating the gut microbiota and the enteric nervous system in mice.](#)

Frontiers in microbiology , Volume: 14 2023

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

[Effect of conA-unbound proteins from *Melipona beecheii* honey on the formation of *Pseudomonas aeruginosa* ATCC 27853 biofilm.](#)

Archives of microbiology , Volume: 206 Issue: 1 2024 Jan 5

Authors Pool-Yam L,Ramón-Sierra J,Oliva AI,Zamora-Bustillos R,Ortiz-Vázquez E

[Molecular docking, molecular dynamics simulation, and MM/PBSA analysis of ginger phytochemicals as a potential inhibitor of AcrB for treating multidrug-resistant *Klebsiella pneumoniae* infections.](#)

Journal of biomolecular structure & dynamics , 2024 Jan 2

Authors Sahoo M,Behera DU,Gaur M,Subudhi E

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

Frontiers in microbiology , Volume: 14 2023

Authors Tu X,Ren H,Bu S

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

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

Authors Alshahrani A,Ali A,Abdelwahab SF

[Oat-based postbiotics ameliorate high-sucrose induced liver injury and colitis susceptibility by modulating fatty acids metabolism and gut microbiota.](#)

The Journal of nutritional biochemistry , Volume: 125 2024 Mar

Authors Song W,Wen R,Liu T,Zhou L,Wang G,Dai X,Shi L

[Therapeutic Potential of *Punica granatum* and Isolated Compounds: Evidence-Based Advances to Treat Bacterial Infections.](#)

International journal of microbiology , Volume: 2023 2023

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

[Effects of *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

[The effect of different prebiotics on intestinal probiotics in newly diagnosed diabetic patients.](#)

Food science & nutrition , Volume: 11 Issue: 12 2023 Dec

Authors Zhang Y,Yang L,Wu Y,He H,Zeng Y,An Z,Jia W

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

Frontiers in microbiology , Volume: 14 2023

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

[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,Rasoulimehrabani 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

[Effects of fulvic acid on broiler performance, blood biochemistry, and intestinal microflora.](#)

Poultry science , Volume: 103 Issue: 2 2024 Feb

Authors Liu L,Yang N,Chen Y,Xu Z,Zhang Q,Miao X,Zhao Y,Hu G,Liu L,Song Z,Li X

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

Poultry science , Volume: 103 Issue: 2 2024 Feb

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

[Insoluble/soluble fraction ratio determines effects of dietary fiber on gut microbiota and serum metabolites in healthy mice.](#)

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

Authors Zhang Y,Hu J,Zhong Y,Liu S,Liu L,Mu X,Chen C,Yang S,Li G,Zhang D,Huang X,Yang J,Huang X,Bian S,Nie S
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

Effects of Dietary Level of Corn Bran on Laying Performance and Cecum Microbial Communities in Laying Ducks.

Animals : an open access journal from MDPI , Volume: 13 Issue: 23 2023 Nov 30

Authors Hou J,Zeng Q,Ding X,Bai S,Wang J,Peng H,Lv L,Xuan Y,Zeng T,Tian Y,Lu L,Zhang K

Phytobiotic-Prebiotic Feed Additive Containing a Combination of Carob Pulp, Chicory, and Fenugreek Improve Growth Performance, Carcass Traits, and Fecal Microbiota of Fattening Pigs.

Animals : an open access journal from MDPI , Volume: 13 Issue: 23 2023 Nov 23

Authors Juhász Á,Molnár-Nagy V,Bata Z,Tso KH,Posta K

Analysis of the antibacterial effects of turmeric on particular bacteria.

Medicine , Volume: 102 Issue: 48 2023 Dec 1

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

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

Frontiers in veterinary science , Volume: 10 2023

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

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

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

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

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

Microbial pathogenesis , Volume: 186 2024 Jan

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

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

Influence of Prolonged Whole Egg Supplementation on Insulin-like Growth Factor 1 and Short-Chain Fatty Acids Product: Implications for Human Health and Gut Microbiota.

Nutrients , Volume: 15 Issue: 22 2023 Nov 16

Authors Suta S,Ophakas S,Manosan T,Honwicht O,Charoensiddhi S,Surawit A,Pongkunakorn T,Pumeiam

S,Mongkolsucharitkul P,Pinsawas B,Sutheeworapong S,Puangsommat P,Khoomrung S,Mayurasakorn K

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

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

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

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

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,Alí 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

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

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

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

Bifidobacteria metabolize lactulose to optimize gut metabolites and prevent systemic infection in patients with liver disease.

Nature microbiology , Volume: 8 Issue: 11 2023 Nov

Authors Odenwald MA,Lin H,Lehmann C,Dylla NP,Cole CG,Mostad JD,Pappas TE,Ramaswamy R,Moran A,Hutchison AL,Stutz MR,Dela Cruz M,Adler E,Boissiere J,Khalid M,Cantoral J,Haro F,Oliveira RA,Waligurski E,Cotter TG,Light SH,Beavis KG,Sundararajan A,Sidebottom AM,Reddy KG,Paul S,Pillai A,Te HS,Rinella ME,Charlton MR,Pamer EG,Aronsohn AI

[Short-term dietary choline supplementation alters the gut microbiota and liver metabolism of finishing pigs.](#)

Frontiers in microbiology , Volume: 14 2023

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

[Thymus Vulgaris Oil Nanoemulsion: Synthesis, Characterization, Antimicrobial and Anticancer Activities.](#)

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

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

[Whole-Grain Highland Barley Attenuates Atherosclerosis Associated with NLRP3 Inflammasome Pathway and Gut Microbiota in ApoE\(-/-\) Mice.](#)

Nutrients , Volume: 15 Issue: 19 2023 Sep 28

Authors Wu T,Yu Q,Luo Y,Dai Z,Zhang Y,Wang C,Shen Q,Xue Y

[High-fructose corn syrup aggravates colitis via microbiota dysbiosis-mediated Th17/Treg imbalance.](#)

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

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

[Analysis of the Antibacterial Activity and the Total Phenolic and Flavonoid Contents of the Moringa oleifera Leaf Extract as an Antimicrobial Agent against Pseudomonas aeruginosa.](#)

Scientifica , Volume: 2023 2023

Authors Royani A,Hanafi M,Lotulung PDN,Julistiono H,Dinoto A,Manaf A

[Highland barley attenuates high fat and cholesterol diet induced hyperlipidemia in mice revealed by 16S rRNA gene sequencing and untargeted metabolomics.](#)

Life sciences , Volume: 334 2023 Dec 1

Authors Li X,Wang L

[Regulatory effect of lactulose on intestinal flora and serum metabolites in colitis mice: In vitro and in vivo evaluation.](#)

Food chemistry: X , Volume: 19 2023 Oct 30

Authors Bai J,Wang B,Tan X,Huang L,Xiong 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,Snoussi M,Almusheet SM,Qanash H

[In Vitro Prebiotic Effects and Antibacterial Activity of Five Leguminous Honeys.](#)

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

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

[Curcumin-sulfobutyl-ether beta cyclodextrin inclusion complex: preparation, spectral characterization, molecular modeling, and antimicrobial activity.](#)

Journal of biomolecular structure & dynamics , Volume: 42 Issue: 19 2024

Authors Sravani AB,Shenoy K M,Chandrika B,Kumar B H,Kini SG,Pai K SR,Lewis SA

[In vitro antimicrobial and cytotoxic activity of Neem and Kirata herbal formulation mediated Silver nanoparticles.](#)

Bioinformation , Volume: 18 Issue: 11 2022

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

[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

[Effect of ginger essential oil and 6-gingerol on a multispecies biofilm of Listeria monocytogenes, Salmonella Typhimurium, and Pseudomonas aeruginosa.](#)

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 54 Issue: 4 2023 Dec

Authors Dos Santos EAR,Tadielo LE,Schmiedt JA,Possebon FS,Pereira MO,Pereira JG,Dos Santos Bersot L

[Antibiotic-Potentiating Effect of Some Bioactive Natural Products against Planktonic Cells, Biofilms, and Virulence Factors of Pseudomonas aeruginosa.](#)

BioMed research international , Volume: 2023 2023

Authors Chimi LY,Bisso BN,Njateng GSS,Dzoyem JP

[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

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

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G, Zhang L

Relationship between Oat Consumption, Gut Microbiota Modulation, and Short-Chain Fatty Acid Synthesis: An Integrative Review.

Nutrients , Volume: 15 Issue: 16 2023 Aug 11

Authors Fabiano GA, Shinn LM, Antunes AEC

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

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

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

Antibacterial activity of Thymus vulgaris (thyme) essential oil against strains of Pseudomonas aeruginosa, Klebsiella pneumoniae and Staphylococcus saprophyticus isolated from meat product.

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

Authors Diniz AF, Santos B, Nóbrega LMMO, Santos VRL, Mariz WS, Cruz PSC, Nóbrega RO, Silva RL, Paula AFR, Santos JRDA, Pessoa HLF, Oliveira-Filho AA

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

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

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

Association of cigarette smoking with risk of colorectal cancer subtypes classified by gut microbiota.

Tobacco induced diseases , Volume: 21 2023

Authors Cai JA, Zhang YZ, Yu ED, Ding WQ, Li ZS, Zhong L, Cai QC

Dietary Supplementation with Popped Amaranth Modulates the Gut Microbiota in Low Height-for-Age Children: A Nonrandomized Pilot Trial.

Foods (Basel, Switzerland) , Volume: 12 Issue: 14 2023 Jul 20

Authors Calva-Cruz OJ, Ovando-Vázquez C, De León-Rodríguez A, Veana F, Espitia-Rangel E, Treviño S, Barba-de la Rosa AP

The anti-hyperlipidemic effect and underlying mechanisms of barley (Hordeum vulgare L.) grass polysaccharides in mice induced by a high-fat diet.

Food & function , 2023 Jul 14

Authors Yan JK, Chen TT, Li LQ, Liu F, Liu X, Li L

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

Heliyon , Volume: 9 Issue: 7 2023 Jul

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

Short-Term Dietary Intervention with Whole Oats Protects from Antibiotic-Induced Dysbiosis.

Microbiology spectrum , Volume: 11 Issue: 4 2023 Aug 17

Authors Costa SK, Antosca K, Beekman CN, Peterson RL, Penumutthu S, Belenky P

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

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

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

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

Association of Estimated Daily Lactose Consumption, Lactase Persistence Genotype (rs4988235), and Gut Microbiota in Healthy Adults in the United States.

The Journal of nutrition , Volume: 153 Issue: 8 2023 Aug

Authors Kable ME, Chin EL, Huang L, Stephensen CB, Lemay DG

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

Critical reviews in food science and nutrition , 2023 Jun 19

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

[Effects of liposoluble components of highland barley spent grains on physiological indexes, intestinal microorganisms, and the liver transcriptome in mice fed a high-fat diet.](#)**Food science & nutrition** , Volume: 11 Issue: 6 2023 Jun

Authors Zhang J,Luo Y,Feng S,Sun W,Li S,Kong L

[Investigating the modulatory effects of Moringa oleifera on the gut microbiota of chicken model through metagenomic approach.](#)**Frontiers in veterinary science** , Volume: 10 2023

Authors Soundararajan S,Selvakumar J,Maria Joseph ZM,Gopinath Y,Saravanan V,Santhanam R

[Characteristic Gut Bacteria in High Barley Consuming Japanese Individuals without Hypertension.](#)**Microorganisms** , Volume: 11 Issue: 5 2023 May 9

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

[In vitro simulated fecal fermentation of mixed grains on short-chain fatty acid generation and its metabolized mechanism.](#)**Food research international (Ottawa, Ont.)** , Volume: 170 2023 Aug

Authors Xu L,Yu Q,Ma L,Su T,Zhang D,Yao D,Li Z

[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

[The Impact of Smoking on Microbiota: A Narrative Review.](#)**Biomedicines** , Volume: 11 Issue: 4 2023 Apr 10

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

[Preparation and characterization of curcumin/chitosan conjugate as an efficient photodynamic antibacterial agent.](#)**Carbohydrate polymers** , Volume: 313 2023 Aug 1

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

[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

[Cross-talks between gut microbiota and tobacco smoking: a two-sample Mendelian randomization study.](#)**BMC medicine** , Volume: 21 Issue: 1 2023 Apr 28

Authors Fan J,Zhou Y,Meng R,Tang J,Zhu J,Aldrich MC,Cox NJ,Zhu Y,Li Y,Zhou D

[Lactulose regulates gut microbiota dysbiosis and promotes short-chain fatty acids production in acute pancreatitis patients with intestinal dysfunction.](#)**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 163 2023 Jul

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

[Effects of an inulin fiber diet on the gut microbiome, colon, and inflammatory biomarkers in aged mice.](#)**Experimental gerontology** , Volume: 176 2023 Jun 1

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

[Effects of Pomegranate Peel Polyphenols Combined with Inulin on Gut Microbiota and Serum Metabolites of High-Fat-Induced Obesity Rats.](#)**Journal of agricultural and food chemistry** , Volume: 71 Issue: 14 2023 Apr 12

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

[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

[OSA Is Associated With the Human Gut Microbiota Composition and Functional Potential in the Population-Based Swedish CardioPulmonary bioImage Study.](#)**Chest** , Volume: 164 Issue: 2 2023 Aug

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

[Change of gut microbiome structure in preterm infants with hypoxic ischemic encephalopathy induced by apnea.](#)**Pediatrics and neonatology** , Volume: 64 Issue: 4 2023 Jul

Authors Chen G,Li F,Du J

[Antimicrobial Activity of Some Medicinal Herbs to the Treatment of Cutaneous and Mucocutaneous Infections: Preliminary](#)

Research.**Microorganisms** , Volume: 11 Issue: 2 2023 Jan 20

Authors Noites A,Borges I,Araújo B,da Silva JCGE,de Oliveira NM,Machado J,Pinto E

[Antioxidant and Antimicrobial Properties of Hydrolysed Collagen Nanofibers Loaded with Ginger Essential Oil.](#)**Materials (Basel, Switzerland)** , Volume: 16 Issue: 4 2023 Feb 8

Authors Berechet MD,Gaidau C,Nešić A,Constantinescu RR,Simion D,Niculescu O,Stelescu MD,Sandulache I,Râpa M

[Proximate Analysis of Moringa oleifera Leaves and the Antimicrobial Activities of Successive Leaf Ethanolic and Aqueous Extracts Compared with Green Chemically Synthesized Ag-NPs and Crude Aqueous Extract against Some Pathogens.](#)**International journal of molecular sciences** , Volume: 24 Issue: 4 2023 Feb 9

Authors Ahmed M,Marrez DA,Abdelmoeen NM,Mahmoud EA,Abdel-Shakur Ali M,Decsi K,Tóth Z

[The potential role of nondigestible Raffinose family oligosaccharides as prebiotics.](#)**Glycobiology** , Volume: 33 Issue: 4 2023 May 17

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

[An in vitro analysis of how lactose modifies the gut microbiota structure and function of adults in a donor-independent manner.](#)**Frontiers in nutrition** , Volume: 9 2022

Authors Firrman J,Liu L,Mahalak K,Hu W,Bittinger K,Moustafa A,Jones SM,Narrowe A,Tomasula P

[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,Oâ Neill K,Fallen PB,Fonseca A,Wilson HE,de Loo H,Evenepoel P,Swanson KS,Allen MR,Moe SM

[Moringa oleifera leaf ethanolic extract benefits cashmere goat semen quality via improving rumen microbiota and metabolome.](#)**Frontiers in veterinary science** , Volume: 10 2023

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

[Taiwanese green propolis ameliorates metabolic syndrome via remodeling of white adipose tissue and modulation of gut microbiota in diet-induced obese mice.](#)**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie** , Volume: 160 2023 Apr

Authors Chien YH,Yu YH,Chen YW

[Chemical Composition and Antimicrobial Activity of New Honey Varietals.](#)**International journal of environmental research and public health** , Volume: 20 Issue: 3 2023 Jan 30

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

[Inulin supplementation prior to mild traumatic brain injury mitigates gut dysbiosis, and brain vascular and white matter deficits in mice.](#)**Frontiers in microbiomes** , Volume: 1 2022

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

[A 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

[A Novel Approach Based on Gut Microbiota Analysis and Network Pharmacology to Explain the Mechanisms of Action of Cichorium intybus L. Formula in the Improvement of Hyperuricemic Nephropathy in Rats.](#)**Drug design, development and therapy** , Volume: 17 2023

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

[Comparative study between two different morphological structures based on polylactic acid, nanocellulose and magnetite for co-delivery of flurouracil and curcumin.](#)**International journal of biological macromolecules** , Volume: 230 2023 Mar 1

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

[Antibacterial Effect of 16 Essential Oils and Modulation of mex Efflux Pumps Gene Expression on Multidrug-Resistant Pseudomonas aeruginosa Clinical Isolates: Is Cinnamon a Good Fighter?](#)**Antibiotics (Basel, Switzerland)** , Volume: 12 Issue: 1 2023 Jan 12

Authors Co?eriu RL,Vintila C,Pribac M,Mare AD,Ciurea CN,Toganel RO,Cighir A,Simion A,Man A

[Screening of Antifungal Activity of Essential Oils in Controlling Biocontamination of Historical Papers in Archives.](#)**Antibiotics (Basel, Switzerland)** , Volume: 12 Issue: 1 2023 Jan 6

Authors Tomic A,Šovljanski O,Nikolic V,Pezo L,Acimovic M,Cvetkovic M,Stanojev J,Kuzmanovic N,Markov S

Obstructive sleep apnea is related to alterations in fecal microbiome and impaired intestinal barrier function.

Scientific reports , Volume: 13 Issue: 1 2023 Jan 15

Authors Li Q,Xu T,Shao C,Gao W,Wang M,Dong Y,Wang X,Lu F,Li D,Tan H,Jiang Y,Xie Q,Cai F,Feng L,Li T

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

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

Microbiological research , Volume: 268 2023 Mar

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

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

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

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

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

Diet-rich in wheat bran modulates tryptophan metabolism and AhR/IL-22 signalling mediated metabolic health and gut dysbacteriosis: A novel prebiotic-like activity of wheat bran.

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

Authors Yan T,Shi L,Liu T,Zhang X,Yang M,Peng W,Sun X,Yan L,Dai X,Yang 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- κ B-NLRP3 inflammasome pathways.

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

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

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

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

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

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

Biomedical reports , Volume: 18 Issue: 1 2023 Jan

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

Effects of whole maize high-grain diet feeding on colonic fermentation and bacterial community in weaned lambs.

Frontiers in microbiology , Volume: 13 2022

Authors Cheng C,Yin Y,Bian G

Influence of Dietary Inulin on Fecal Microbiota, Cardiometabolic Risk Factors, Eicosanoids, and Oxidative Stress in Rats Fed a High-Fat Diet.

Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 16

Authors Miralles-Pérez B,Nogués MR,Sánchez-Martos V,Fortuño-Mar À,Ramos-Romero S,Torres JL,Ponomarenko J,Amézqueta S,Zhang X,Romeu M

Effects of highland barley β -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

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

Frontiers in microbiology , Volume: 13 2022

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

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

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

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

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

Black corn (Zea mays L) flour has the potential to improve the gut microbiota composition and goblet cell proliferation in mice fed a high-fat diet.

Nutrition research (New York, N.Y.) , Volume: 108 2022 Dec

Authors Verediano TA,Sant'Ana C,Grancieri M,Tako E,Paes MCD,Martino HSD

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

Diets enriched with finely ground wheat bran alter digesta passage rate and composition of the gut microbiome in sows.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar

Authors Wang Z,Wang W,Xu S,Ding J,Zeng X,Liu H,Wang F

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,Haq 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

Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.

Diagnostics (Basel, Switzerland) , Volume: 12 Issue: 11 2022 Nov 9

Authors Lee KS,Kim ES

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

Long-Term Lactulose Administration Improves Dysbiosis Induced by Antibiotic and C. difficile in the PathoGut(TM) SHIME Model.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 11 2022 Oct 24

Authors Calatayud M,Duysburgh C,Van den Abbeele P,Franckenstein D,Kuchina-Koch A,Marzorati M

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

Frontiers in nutrition , Volume: 9 2022

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

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

Jerusalem artichoke inulin supplementation ameliorates hepatic lipid metabolism in type 2 diabetes mellitus mice by modulating the gut microbiota and fecal metabolome.

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

Authors Li J,Jia S,Yuan C,Yu B,Zhang Z,Zhao M,Liu P,Li X,Cui B

Curcumin encapsulation in self-assembled nanoparticles based on amphiphilic palmitic acid-grafted-quaternized chitosan with enhanced cytotoxic, antimicrobial and antioxidant properties.

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

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

The effects of peppermint (Mentha piperita L.) and chicory (Cichorium intybus L.) in comparison with a prebiotic on productive performance, blood constituents, immunity and intestinal microflora in broiler chickens.

Animal biotechnology , Volume: 34 Issue: 7 2023 Dec

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

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

Research in veterinary science , Volume: 152 2022 Dec 20

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

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

Frontiers in endocrinology , Volume: 13 2022

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

Alginate hydrogel with enhanced curcumin release through HP β CD assisted host-guest interaction.

Biomaterials advances , Volume: 141 2022 Oct

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

Brazilian green propolis improves gut microbiota dysbiosis and protects against sarcopenic obesity.

Journal of cachexia, sarcopenia and muscle , Volume: 13 Issue: 6 2022 Dec

Authors Okamura T,Hamaguchi M,Bamba R,Nakajima H,Yoshimura Y,Kimura T,Hashimoto Y,Majima S,Senmaru T,Ushigome E,Nakanishi N,Asano M,Yamazaki M,Nishimoto Y,Yamada T,Fujikura C,Asama T,Okumura N,Takakuwa H,Sasano R,Fukui M

Antibacterial and Anti-Inflammatory Activities of Thymus vulgaris Essential Oil Nanoemulsion on Acne Vulgaris.

Microorganisms , Volume: 10 Issue: 9 2022 Sep 19

Authors Abdelhamed FM,Abdeltawab NF,ElRakaiby MT,Shamma RN,Moneib NA

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

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

Authors Zimmerman T,Ibrahim SA

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

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

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

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

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

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

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

Frontiers in cellular and infection microbiology , Volume: 12 2022

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

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

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

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

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

Heliyon , Volume: 8 Issue: 9 2022 Sep

Authors Akullo JO,Kiagi 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

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 CaCO₃-Encapsulated Curcumin Ester Derivatives With High Antioxidant and Antimicrobial Activities and pH Sensitivity.

Frontiers in veterinary science , Volume: 9 2022

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

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

Effects of artificial honey and epigallocatechin-3-gallate on streptococcus pyogenes.

BMC microbiology , Volume: 22 Issue: 1 2022 Aug 26

Authors Jiang X,Lin A,Li S,Shi Y,Zhou F,Felix Gomez GG,Gregory RL,Zhang C,Chen S,Huang R

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

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

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

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

Pharmaceutics , Volume: 14 Issue: 8 2022 Aug 5

Authors Ullah N,Amin A,Alamoudi RA,Rasheed SA,Alamoudi RA,Nawaz A,Raza M,Nawaz T,Ishtiaq S,Abbas SS
Antimicrobial Properties of Acrylic Resin Incorporated with Propolis Nanoparticles.

Frontiers in dentistry , Volume: 18 2021

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

Modified highland barley regulates lipid metabolism, liver inflammation and gut microbiota in high-fat/cholesterol diet mice as revealed by LC-MS based metabolomics.

Food & function , Volume: 13 Issue: 17 2022 Aug 30

Authors Li X,Du Y,Zhang C,Tu Z,Wang L

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

Protoplasma , Volume: 260 Issue: 2 2023 Mar

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

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

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

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

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

Kaempferia parviflora Rhizome Extract as Potential Anti-Acne Ingredient.

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

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

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

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

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

Antioxidant and Anti-Inflammatory Effects of Thyme (Thymus vulgaris L.) Essential Oils Prepared at Different Plant Phenophases on Pseudomonas aeruginosa LPS-Activated THP-1 Macrophages.

Antioxidants (Basel, Switzerland) , Volume: 11 Issue: 7 2022 Jul 6

Authors Pandur E,Micalizzi G,Mondello L,Horváth A,Sipos K,Horváth G

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

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

Frontiers in nutrition , Volume: 9 2022

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

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

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

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

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 O78 Infection.

Frontiers in veterinary science , Volume: 9 2022

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

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

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

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

Effects of Oats, Tartary Buckwheat, and Foxtail Millet Supplementation on Lipid Metabolism, Oxido-Inflammatory Responses, Gut Microbiota, and Colonic SCFA Composition in High-Fat Diet Fed Rats.

Nutrients , Volume: 14 Issue: 13 2022 Jul 4

Authors Wang Y,Qi W,Guo X,Song G,Pang S,Fang W,Peng Z

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

A comparative study of antibacterial and antivirulence activities of four selected honeys to Manuka honey.

Iranian journal of microbiology , Volume: 14 Issue: 2 2022 Apr

Authors Al-Kafaween MA,Nagi Al-Jamal HA

The regulatory effect of fermented black barley on the gut microbiota and metabolic dysbiosis in mice exposed to cigarette smoke.

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

Authors Zhong L,Qin L,Ding X,Ma L,Wang Y,Liu M,Chen H,Yan H,Song L

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

Pharmaceutics , Volume: 14 Issue: 6 2022 May 31

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

Human Milk Oligosaccharides and Lactose Differentially Affect Infant Gut Microbiota and Intestinal Barrier In Vitro.

Nutrients , Volume: 14 Issue: 12 2022 Jun 19

Authors Natividad JM,Marsaux B,Rodenas CLG,Rytz A,Vandevijver G,Marzorati M,Van den Abbeele P,Calatayud M,Rochat F

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nutrients , Volume: 14 Issue: 9 2022 Apr 27

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

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

Frontiers in nutrition , Volume: 9 2022

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

Pomegranate juice alters the microbiota in breast milk and infant stool: a pilot study.

Food & function , Volume: 13 Issue: 10 2022 May 23

Authors Henning SM,Yang J,Lee RP,Huang J,Thames G,Korn M,Ben-Nissan D,Heber D,Li Z

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

Starch acylation of different short-chain fatty acids and its corresponding influence on gut microbiome and diabetic indexes.

Food chemistry , Volume: 389 2022 Sep 30

Authors Li M,Wang F,Wang J,Wang A,Yao X,Strappe P,Zhou Z,Wu Q,Guo T

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

Leaf Extract Powder.**Foods (Basel, Switzerland) , Volume: 11 Issue: 7 2022 Mar 28****Authors** Arendse W,Jideani VClassification of the Occurrence of Dyslipidemia Based on Gut Bacteria Related to Barley Intake.**Frontiers in nutrition , Volume: 9 2022****Authors** Maruyama S,Matsuoka T,Hosomi K,Park J,Nishimura M,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa JEffect of barley straw and Egyptian clover hay on the rumen fermentation and structure and fibrolytic activities of rumen bacteria in dromedary camel.**Veterinary world , Volume: 15 Issue: 1 2022 Jan****Authors** Rabee AEIntegrated metagenomics-metabolomics analysis reveals the cecal microbial composition, function, and metabolites of pigs fed diets with different starch sources.**Food research international (Ottawa, Ont.) , Volume: 154 2022 Apr****Authors** Yu M,Li Z,Rong T,Tian Z,Deng D,Lu H,Zhang R,Ma XRelationships between barley consumption and gut microbiome characteristics in a healthy Japanese population: a cross-sectional study.**BMC nutrition , Volume: 8 Issue: 1 2022 Mar 14****Authors** Matsuoka T,Hosomi K,Park J,Goto Y,Nishimura M,Maruyama S,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Yokomichi H,Kunisawa J,Yamagata ZLactulose Modulates the Structure of Gut Microbiota and Alleviates Colitis-Associated Tumorigenesis.**Nutrients , Volume: 14 Issue: 3 2022 Feb 3****Authors** Hiraishi K,Zhao F,Kurahara LH,Li X,Yamashita T,Hashimoto T,Matsuda Y,Sun Z,Zhang H,Hirano KBiocomposites 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 RAn 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 YGEvaluating 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 JÁ,Daglia MMechanistic basis of choline import involved in teichoic acids and lipopolysaccharide modification.**Science advances , Volume: 8 Issue: 9 2022 Mar 4****Authors** Bärlund N,Rueff AS,Cabrero G,Hutter CAJ,Seeger MA,Veening JW,Perez CEvaluation 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 MBeneficial Effects of Partly Milled Highland Barley on the Prevention of High-Fat Diet-Induced Glycometabolic Disorder and the Modulation of Gut Microbiota in Mice.**Nutrients , Volume: 14 Issue: 4 2022 Feb 11****Authors** Li S,Wang M,Li C,Meng Q,Meng Y,Ying J,Bai S,Shen Q,Xue YCigarette Smoking and Human Gut Microbiota in Healthy Adults: A Systematic Review.**Biomedicines , Volume: 10 Issue: 2 2022 Feb 21****Authors** Antinozzi M,Giffi M,Sini N,Gallè F,Valeriani F,De Vito C,Liguori G,Romano Spica V,Cattaruzza MSCurcumin 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 XCurcumin 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 LDietary Amylose/Amylopectin Ratio Modulates Cecal Microbiota and Metabolites in Weaned Goats.

Frontiers in nutrition , Volume: 8 2021

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

The Prebiotic Effects of Oats on Blood Lipids, Gut Microbiota, and Short-Chain Fatty Acids in Mildly Hypercholesterolemic Subjects Compared With Rice: A Randomized, Controlled Trial.

Frontiers in immunology , Volume: 12 2021

Authors Xu D,Feng M,Chu Y,Wang S,Shete V,Tuohy KM,Liu F,Zhou X,Kamil A,Pan D,Liu H,Yang X,Yang C,Zhu B,Lv N,Xiong Q,Wang X,Sun J,Sun G,Yang Y

Curcumin β -D-Glucuronide Modulates an Autoimmune Model of Multiple Sclerosis with Altered Gut Microbiota in the Ileum and Feces.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Khadka S,Omura S,Sato F,Nishio K,Takeya H,Tsunoda I

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 Amadiou C,Coste V,Neyrinck AM,Thijssen V,Leyrolle Q,Bindels LB,Piessevaux H,Stärkel P,de Timary P,Delzenne NM,Leclercq S

Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats.

Frontiers in cellular and infection microbiology , Volume: 11 2021

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

Supplementation of chicory root powder as an alternative to antibiotic growth promoter on gut pH, gut microflora and gut histomorphometry of male broilers.

PloS one , Volume: 16 Issue: 12 2021

Authors Gurram S,V CP,K VL,M V L N R,M V,Bora S

Antibacterial efficacy of different combinations of clove, eucalyptus, ginger, and selected antibiotics against clinical isolates of *Pseudomonas aeruginosa*.

Ayu , Volume: 41 Issue: 2 2020 Apr-Jun

Authors Sagar PK,Sharma P,Singh R

Correction to "ZnO/Curcumin Nanocomposites for the Enhanced Inhibition of *Pseudomonas aeruginosa* Virulence via LasR-RhlR Quorum Sensing Systems".

Molecular pharmaceutics , 2021 Dec 7

Authors Prateeksha,Rao CV,Das AK,Barik SK,Singh BN

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

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

Authors Halawani EM

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

Food chemistry , Volume: 374 2022 Apr 16

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

The anti-fatigue activity of corn peptides and their effect on gut bacteria.

Journal of the science of food and agriculture , Volume: 102 Issue: 8 2022 Jun

Authors Feng Z,Wei Y,Xu Y,Zhang R,Li M,Qin H,Gu R,Cai M

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 Sadabad M,von Martels JZH,van Leeuwen SS,Weersma RK,Dijkstra G,Harmsen HJM,Faber KN

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

Frontiers in cardiovascular medicine , Volume: 8 2021

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

Beneficial effect of whole-grain wheat on liver fat: a role for the gut microbiota?

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

Authors Gérard P

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,Ekenany RM,Ali HS,Eladl AH

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

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

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

Authors Amiri MYA,Jafari MA,Irani M

Effect of organic acids-essential oils blend and oat fiber combination on broiler chicken growth performance, blood parameters, and intestinal health.

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

Authors Adewole DI,Oladokun S,Santin E

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

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

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

Effects of Xylanase in Corn- or Wheat-Based Diets on Cecal Microbiota of Broilers.

Frontiers in microbiology , Volume: 12 2021

Authors Wang J,Cao H,Bao C,Liu Y,Dong B,Wang C,Shang Z,Cao Y,Liu S

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

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

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

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

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

Journal of animal science , 2021 Oct 23

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

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

In vitro digestibility and prebiotic activities of a bioactive polysaccharide from Moringa oleifera leaves.

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

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

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

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

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

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

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

Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.

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

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

Curcumin Reduces Adipose Tissue Inflammation and Alters Gut Microbiota in Diet-Induced Obese Male Mice.

Molecular nutrition & food research , Volume: 65 Issue: 22 2021 Nov

Authors Islam T,Koboziev I,Albracht-Schulte K,Mistretta B,Scoggin S,Yosofvand M,Moussa H,Zabet-Moghaddam M,Ramalingam L,Gunaratne PH,Moustaid-Moussa N

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

Systematic Review of the Effects of Oat Intake on Gastrointestinal Health.**The Journal of nutrition** , 2021 Sep 6

Authors Valido E,Stoyanov J,Bertolo A,Hertig-Godeschalk A,Zeh RM,Flueck JL,Minder B,Stojic S,Metzger B,Bussler W,Muka T,Kern H,Glisic M

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

Regulatory effects of Lactobacillus fermented black barley on intestinal microbiota of NAFLD rats.**Food research international (Ottawa, Ont.)** , Volume: 147 2021 Sep

Authors Zhu C,Guan Q,Song C,Zhong L,Ding X,Zeng H,Nie P,Song L

Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.**Frontiers in nutrition** , Volume: 8 2021

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

Administration with Quinoa Protein Reduces the Blood Pressure in Spontaneously Hypertensive Rats and Modifies the Fecal Microbiota.**Nutrients** , Volume: 13 Issue: 7 2021 Jul 17

Authors Guo H,Hao Y,Fan X,Richel A,Everaert N,Yang X,Ren G

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

Effects of Smoking on Inflammatory Markers in a Healthy Population as Analyzed via the Gut Microbiota.**Frontiers in cellular and infection microbiology** , Volume: 11 2021

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

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

Prevotella-rich enterotype may benefit gut health in finishing pigs fed diet with a high amylose-to-amylopectin ratio.**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 7 Issue: 2 2021 Jun

Authors Ren W,Yan H,Yu B,Walsh MC,Yu J,Zheng P,Huang Z,Luo J,Mao X,He J,Yan H,Chen D,Luo Y

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

Punicic acid ameliorates obesity and liver steatosis by regulating gut microbiota composition in mice.**Food & function** , 2021 Jul 9

Authors Yuan G,Tan M,Chen X

Flavonoids from Whole-Grain Oat Alleviated High-Fat Diet-Induced Hyperlipidemia via Regulating Bile Acid Metabolism and Gut Microbiota in Mice.**Journal of agricultural and food chemistry** , Volume: 69 Issue: 27 2021 Jul 14

Authors Duan R,Guan X,Huang K,Zhang Y,Li S,Xia J,Shen M

Concentrated Raw Fibers Enhance the Fiber-Degrading Capacity of a Synthetic Human Gut Microbiome.**International journal of molecular sciences** , Volume: 22 Issue: 13 2021 Jun 25

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

Mint Oils: In Vitro Ability to Perform Anti-Inflammatory, Antioxidant, and Antimicrobial Activities and to Enhance Intestinal Barrier Integrity.**Antioxidants (Basel, Switzerland)** , Volume: 10 Issue: 7 2021 Jun 23

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

Dietary turmeric (Curcuma longa L.) supplementation improves growth performance, short-chain fatty acid production, and modulates bacterial composition of weaned piglets.**Journal of animal science and technology** , Volume: 63 Issue: 3 2021 May

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

Curcumin modulates gut microbiota and improves renal function in rats with uric acid nephropathy.**Renal failure** , Volume: 43 Issue: 1 2021 Dec

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

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

The effect of dietary fiber (oat bran) supplement on blood pressure in patients with essential hypertension: A randomized controlled trial.

Nutrition, metabolism, and cardiovascular diseases : NMCD , 2021 Apr 28

Authors Xue Y,Cui L,Qi J,Qjo O,Du X,Liu Y,Wang X

Preparation and photodynamic bactericidal effects of curcumin- β -cyclodextrin complex.

Food chemistry , Volume: 361 2021 Nov 1

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

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

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

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

Tobacco Smoking and the Fecal Microbiome in a Large, Multi-ethnic Cohort.

Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology , Volume: 30 Issue: 7 2021 Jul

Authors Prakash A,Peters BA,Cobbs E,Beggs D,Choi H,Li H,Hayes RB,Ahn J

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

Assessment of antibacterial and antifungal potential of *Curcuma longa* and synthesized nanoparticles: A comparative study.

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

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

Bifidobacterium response to lactulose ingestion in the gut relies on a solute-binding protein-dependent ABC transporter.

Communications biology , Volume: 4 Issue: 1 2021 May 10

Authors Yoshida K,Hirano R,Sakai Y,Choi M,Sakanaka M,Kurihara S,Iino H,Xiao JZ,Katayama T,Odamaki 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

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

Sub-Inhibitory Concentrations of Ciprofloxacin Alone and Combinations with Plant-Derived Compounds against *P. aeruginosa* Biofilms and Their Effects on the Metabolomic Profile of *P. aeruginosa* Biofilms.

Antibiotics (Basel, Switzerland) , Volume: 10 Issue: 4 2021 Apr 9

Authors Kart D,Reçber T,Nemutlu E,Sagiroglu M

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

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

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

Anti-MRSA activity of curcumin in planktonic cells and biofilms and determination of possible action mechanisms.

Microbial pathogenesis , Volume: 155 2021 Jun

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

Anti-Inflammatory and Antimicrobial Activities of Compounds Isolated from *Distichochlamys benenica*.

BioMed research international , Volume: 2021 2021

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

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

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

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

[Inhibition of Fungal Strains Isolated from Cereal Grains via Vapor Phase of Essential Oils.](#)

Molecules (Basel, Switzerland) , Volume: 26 Issue: 5 2021 Mar 1

Authors Strelková T,Nemes B,Kovács A,Novotný D,Božík M,Kloucek P

[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

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

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

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

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

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

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

[Gut Microbiota Variation With Short-Term Intake of Ginger Juice on Human Health.](#)

Frontiers in microbiology , Volume: 11 2020

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

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

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

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

[The Therapeutic Efficacy of Curcumin vs. Metformin in Modulating the Gut Microbiota in NAFLD Rats: A Comparative Study.](#)

Frontiers in microbiology , Volume: 11 2020

Authors Li R,Yao Y,Gao P,Bu S

[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,Rodríguez J,Zhang Z,Seethaler B,Sánchez CR,Roumain M,Hiel S,Bindels LB,Cani PD,Paquot N,Cnop M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM

[Oregano essential oil improves piglet health and performance through maternal feeding and is associated with changes in the gut microbiota.](#)

Animal microbiome , Volume: 3 Issue: 1 2021 Jan 4

Authors Hall HN,Wilkinson DJ,Le Bon M

[Pharmacological Therapy Determines the Gut Microbiota Modulation by a Pomegranate Extract Nutraceutical in Metabolic Syndrome: A Randomized Clinical Trial.](#)

Molecular nutrition & food research , Volume: 65 Issue: 6 2021 Mar

Authors Cortés-Martín A,Iglesias-Aguirre CE,Meoro A,Selma MV,Espín JC

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

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

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

[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

[The Effect of Xyloligosaccharide, Xylan, and Whole Wheat Bran on the Human Gut Bacteria.](#)

Frontiers in microbiology , Volume: 11 2020

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

[Lactulose ingestion causes an increase in the abundance of gut-resident bifidobacteria in Japanese women: a randomised, double-blind, placebo-controlled crossover trial.](#)

Beneficial microbes , 2021 Jan 4

Authors Sakai Y, Hamano H, Ochi H, Abe F, Masuda K, Iino H

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

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

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

Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M²-Nuclear Factor- κ 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

Pomegranate peel extract ameliorates the severity of experimental autoimmune encephalomyelitis via modulation of gut microbiota.

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

Authors Lu XY, Han B, Deng X, Deng SY, Zhang YY, Shen PX, Hui T, Chen RH, Li X, Zhang Y

Diallyl sulfide from garlic suppresses quorum-sensing systems of Pseudomonas aeruginosa and enhances biosynthesis of three B vitamins through its thioether group.

Microbial biotechnology , Volume: 14 Issue: 2 2021 Mar

Authors Li WR, Zeng TH, Yao JW, Zhu LP, Zhang ZQ, Xie XB, Shi QS

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

The Fungal Microbiome and Asthma.

Frontiers in cellular and infection microbiology , Volume: 10 2020

Authors van Tilburg Bernardes E, Gutierrez MW, Arrieta MC

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

Heliyon , Volume: 6 Issue: 11 2020 Nov

Authors El Hassani FZ

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

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

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

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, Kacáňiová M

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

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

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

Chicory ameliorates hyperuricemia via modulating gut microbiota and alleviating LPS/TLR4 axis in quail.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 131 2020 Nov

Authors Bian M, Wang J, Wang Y, Nie A, Zhu C, Sun Z, Zhou Z, Zhang B

Black garlic melanoidins prevent obesity, reduce serum LPS levels and modulate the gut microbiota composition in high-fat diet-induced obese C57BL/6J mice.

Food & function , Volume: 11 Issue: 11 2020 Nov 18

Authors Wu J, Liu Y, Dou Z, Wu T, Liu R, Sui W, Jin Y, Zhang M

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

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

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

Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice.

European journal of nutrition , Volume: 60 Issue: 4 2021 Jun

Authors Guo Y, Yu Y, Li H, Ding X, Li X, Jing X, Chen J, Liu G, Lin Y, Jiang C, Liu Z, He Y, Li C, Tian Z

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

[Chemical composition and antimycoplasma activity of a brown propolis from southern Brazil.](#)

Journal of food science and technology , Volume: 57 Issue: 11 2020 Nov

Authors do Nascimento Araújo C,Mayworm MAS,Yatsuda R,Negri G,Salatino MLF,Salatino A,Timenetsky J,Campos GB

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

Journal of animal science and biotechnology , Volume: 11 2020

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

[Inhibition of Staphylococcus aureus LC554891 by Moringa oleifera Seed Extract either Singly or in Combination with Antibiotics.](#)

Molecules (Basel, Switzerland) , Volume: 25 Issue: 19 2020 Oct 7

Authors Enan G,Al-Mohammadi AR,Mahgoub S,Abdel-Shafi S,Askar E,Ghaly MF,Taha MA,El-Gazzar N

[Investigation on the biofilm eradication potential of selected medicinal plants against methicillin-resistant Staphylococcus aureus.](#)

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

Authors S LP,A U,S J GF

[The Influence of Essential Oils on Gut Microbial Profiles in Pigs.](#)

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

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

[Honey-inspired antimicrobial hydrogels resist bacterial colonization through twin synergistic mechanisms.](#)

Scientific reports , Volume: 10 Issue: 1 2020 Sep 25

Authors Zhang T,Qu Y,Gunatillake PA,Cass P,Locock KES,Blackman LD

[Does Curcumin Have a Role in the Interaction between Gut Microbiota and Schistosoma mansoni in Mice?](#)

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

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

[Modulatory Effects of Triphala and Manjistha Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.](#)

Journal of alternative and complementary medicine (New York, N.Y.) , 2020 Sep 18

Authors Peterson CT,Pourang A,Dhaliwal S,Kohn JN,Uchitel S,Singh H,Mills PJ,Peterson SN,Sivamani RK

[Effects of Brazilian green propolis extract on planktonic cells and biofilms of multidrug-resistant strains of Klebsiella pneumoniae and Pseudomonas aeruginosa.](#)

Biofouling , Volume: 36 Issue: 7 2020 Aug

Authors Santos PBDRED,Ávila DDS,Ramos LP,Yu AR,Santos CEDR,Berretta AA,Camargo SEA,Oliveira JR,Oliveira LD

[Mechanistic insights into the structure-dependant and strain-specific utilization of wheat arabinoxylan by Bifidobacterium longum.](#)

Carbohydrate polymers , Volume: 249 2020 Dec 1

Authors Song AX,Li LQ,Yin JY,Chiou JC,Wu JY

[Cultural isolation of spore-forming bacteria in human feces using bile acids.](#)

Scientific reports , Volume: 10 Issue: 1 2020 Sep 14

Authors Tanaka M,Onizuka S,Mishima R,Nakayama J

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

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

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

[Modulation of Gut Microbiota Profile and Short-Chain Fatty Acids of Rats Fed with Taro Flour or Taro Starch.](#)

International journal of microbiology , Volume: 2020 2020

Authors Surono IS,Venema K

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

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

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

[Micronized curcumin fabricated by supercritical CO\(2\) to improve antibacterial activity against Pseudomonas aeruginosa.](#)

Artificial cells, nanomedicine, and biotechnology , Volume: 48 Issue: 1 2020 Dec

Authors Xue B,Huang J,Zhang H,Li B,Xu M,Zhang Y,Xie M,Li X

[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

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

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

Effect of particle size of insoluble fibre on growth performance, apparent ileal digestibility and caecal microbial population in broiler chickens fed barley-containing diets.

British poultry science , Volume: 61 Issue: 6 2020 Dec

Authors Pourazadi Z,Salari S,Tabandeh MR,Abdollahi MR

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

Bile Acid Supplementation Improves Murine Pancreatitis in Association With the Gut Microbiota.

Frontiers in physiology , Volume: 11 2020

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

Effects of phenolic and protein extracts from Melipona beecheii honey on pathogenic strains of Escherichia coli and Staphylococcus aureus.

Food science and biotechnology , Volume: 29 Issue: 7 2020 Jul

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

Rosemary and Tea Tree Essential Oils Exert Antibiofilm Activities In Vitro against Staphylococcus aureus and Escherichia coli.

Journal of food protection , Volume: 83 Issue: 7 2020 Jul 1

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

[Anti-microbial activity of Rosmarinus officinalis and Zingiber officinale extracts on the species of the genus Candida and on Streptococcus pneumonia].

Annales pharmaceutiques francaises , Volume: 79 Issue: 1 2021 Jan

Authors Akroum S

Antioxidant and antimicrobial activity of red propolis embedded mesoporous silica nanoparticles.

Drug development and industrial pharmacy , Volume: 46 Issue: 7 2020 Jul

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

Use of black seed (Nigella sativa) honey bee to improve sheep oocyte maturation medium.

Environmental science and pollution research international , Volume: 27 Issue: 27 2020 Sep

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

Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.

International journal of molecular sciences , Volume: 21 Issue: 11 2020 Jun 10

Authors Spisni E,Petrocelli G,Imbesi V,Spigarelli R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC

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

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

Authors Ahmadi O,Jafarizadeh-Malmiri H

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

Biomolecules , Volume: 10 Issue: 6 2020 Jun 4

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

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

Autophagy , Volume: 16 Issue: 8 2020 Aug

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

In Vitro Antibacterial Activity of Ethanol Extracts of Cinnamomum zeylanicum against Pseudomonas aeruginosa.

Mymensingh medical journal : MMJ , Volume: 29 Issue: 2 2020 Apr

Authors Salma U,Sultana S,Saha SK,Ahmed SM,Salma MU,Nahar K,Ahmed SM

Prebiotic effect of inulin-type fructans on faecal microbiota and short-chain fatty acids in type 2 diabetes: a randomised controlled trial.

European journal of nutrition , Volume: 59 Issue: 7 2020 Oct

Authors Birkeland E,Gharagozlian S,Birkeland KI,Valeur J,Måge I,Rud I,Aas AM

Synergetic 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,Tabatabaee Yazdi F

Characteristics of the Gut Microbiome of Healthy Young Male Soldiers in South Korea: The Effects of Smoking

Gut and liver , Volume: 15 Issue: 2 2021 Mar 15

Authors Yoon H,Lee DH,Lee JH,Kwon JE,Shin CM,Yang SJ,Park SH,Lee JH,Kang SW,Lee JS,Kim BY

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

Phytochemical Study and Antibacterial and Antibiotic Modulation Activity of Punica granatum (Pomegranate) Leaves.

Scientifica , Volume: 2020 2020

Authors Trabelsi A,El Kaibi MA,Abbassi A,Horchani A,Chekir-Ghedira L,Ghedira K

Comparison of the prebiotic properties of native chicory and synthetic inulins using swine fecal cultures.

Bioscience, biotechnology, and biochemistry , Volume: 84 Issue: 7 2020 Jul

Authors Nakayama Y,Kawasaki N,Tamiya T,Anzai S,Toyohara K,Nishiyama A,Kitazono E

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

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

Clinical rheumatology , Volume: 39 Issue: 9 2020 Sep

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

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

Identification of essential oils with activity against stationary phase *Staphylococcus aureus*.

BMC complementary medicine and therapies , Volume: 20 Issue: 1 2020 Mar 24

Authors Xiao S,Cui P,Shi W,Zhang Y

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

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

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

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

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

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

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

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

Authors Goslinski M,Nowak D,Klebukowska L

Ethanol extract of propolis prevents high-fat diet-induced insulin resistance and obesity in association with modulation of gut microbiota in mice.

Food research international (Ottawa, Ont.) , Volume: 130 2020 Apr

Authors Cai W,Xu J,Li G,Liu T,Guo X,Wang H,Luo L

Moringa Oleifera Oil Modulates Rumen Microflora to Mediate In Vitro Fermentation Kinetics and Methanogenesis in Total Mix Rations.

Current microbiology , Volume: 77 Issue: 7 2020 Jul

Authors Ebeid HM,Mengwei L,Kholif AE,Hassan FU,Lijuan P,Xin L,Chengjian Y

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

Effects of whole-grain wheat, rye, and lignan supplementation on cardiometabolic risk factors in men with metabolic syndrome: a randomized crossover trial.

The American journal of clinical nutrition , Volume: 111 Issue: 4 2020 Apr 1

Authors Eriksen AK,Brunius C,Mazidi M,Hellström PM,Risérus U,Iversen KN,Fristedt R,Sun L,Huang Y,Nørskov NP,Knudsen KEB,Kyrø C,Olsen A,Tjønnelund A,Dicksved J,Landberg R

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

Veterinary world , Volume: 12 Issue: 12 2019 Dec

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

Use of A Hydroalcoholic Extract of Moringa oleifera Leaves for the Green Synthesis of Bismuth Nanoparticles and Evaluation of Their Anti-Microbial and Antioxidant Activities.

Materials (Basel, Switzerland) , Volume: 13 Issue: 4 2020 Feb 15

Authors Das PE,Majdalawieh AF,Abu-Yousef IA,Narasimhan S,Poltronieri P

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

Heliyon , Volume: 6 Issue: 1 2020 Jan

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

Green Synthesis of Encapsulated Copper Nanoparticles Using a Hydroalcoholic Extract of Moringa oleifera Leaves and Assessment of Their Antioxidant and Antimicrobial Activities.

Molecules (Basel, Switzerland) , Volume: 25 Issue: 3 2020 Jan 28

Authors Das PE,Abu-Yousef IA,Majdalawieh AF,Narasimhan S,Poltronieri P

Elucidation of the potential of Moringa oleifera leaves extract as a novel alternate to the chemical coagulant in water treatment process.

Water environment research : a research publication of the Water Environment Federation , Volume: 92 Issue: 7 2020 Jul

Authors Pandey P,Khan F,Mishra R,Singh SK

Effect of wheat bran derived prebiotic supplementation on gastrointestinal transit, gut microbiota, and metabolic health: a randomized controlled trial in healthy adults with a slow gut transit.

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

Authors Müller M,Hermes GDA,Emanuel E C,Holst JJ,Zoetendal EG,Smidt H,Troost F,Schaap FG,Damink SO,Jocken JWE,Lenaerts K,Masclee AAM,Blaak EE

Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.

Nutrients , Volume: 12 Issue: 1 2020 Jan 17

Authors Aljahdali N,Gadonna-Widehem P,Anton PM,Carbonero F

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

Effect of dietary Moringa oleifera leaves on the performance, ileal microbiota and antioxidative status of broiler chickens.

Journal of animal physiology and animal nutrition , Volume: 104 Issue: 2 2020 Mar

Authors Abu Hafsa SH,Ibrahim SA,Eid YZ,Hassan AA

Food for thought about manipulating gut bacteria.

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM,Bindels LB

Chronic oral exposure to glycated whey proteins increases survival of aged male NOD mice with autoimmune prostatitis by regulating the gut microbiome and anti-inflammatory responses.

Food & function , Volume: 11 Issue: 1 2020 Jan 29

Authors Chen Y,Guo KM,Nagy T,Guo TL

Dietary resistant starch modifies the composition and function of caecal microbiota of broilers.

Journal of the science of food and agriculture , Volume: 100 Issue: 3 2020 Feb

Authors Zhang Y,Liu Y,Li J,Xing T,Jiang Y,Zhang L,Gao F

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.

Intestinal microbiome analysis demonstrates azithromycin post-treatment effects improve when combined with lactulose.

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

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

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

[Comparison of antifungal activity of essential oils from different plants against three fungi.](#)

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 134 2019 Dec

Authors Hu F,Tu XF,Thakur K,Hu F,Li XL,Zhang YS,Zhang JG,Wei ZJ

[Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.](#)

Scientific reports , Volume: 9 Issue: 1 2019 Sep 16

Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M

[Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad](#)

[Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial.](#)

The Journal of nutrition , 2019 Aug 28

Authors Christensen L,Vuholm S,Roager HM,Nielsen DS,Krych L,Kristensen M,Astrup A,Hjorth MF

[Wheat Gluten Regulates Cholesterol Metabolism by Modulating Gut Microbiota in Hamsters with Hyperlipidemia.](#)

Journal of oleo science , Volume: 68 Issue: 9 2019

Authors Liang TT,Tong LT,Geng DH,Wang LL,Zhou XR,Pu HY,Jia W,Wu QP,Huang JR

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

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

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

[In vitro fecal fermentation of propionylated high-amylose maize starch and its impact on gut microbiota.](#)

Carbohydrate polymers , Volume: 223 2019 Nov 1

Authors Xie Z,Wang S,Wang Z,Fu X,Huang Q,Yuan Y,Wang K,Zhang B

[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

[Daily intake of wheat germ-enriched bread may promote a healthy gut bacterial microbiota: a randomised controlled trial.](#)

European journal of nutrition , Volume: 59 Issue: 5 2020 Aug

Authors Moreira-Rosário A,Marques C,Pinheiro H,Norberto S,Sintra D,Teixeira JA,Calhau C,Azevedo LF

[The Capacity of the Fecal Microbiota From Malawian Infants to Ferment Resistant Starch.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Wang Y,Mortimer EK,Katundu KGH,Kalanga N,Leong LEX,Gopalsamy GL,Christophersen CT,Richard AC,Shivasami

A,Abell GCJ,Young GP,Rogers GB

[Lactose and Bovine Milk Oligosaccharides Synergistically Stimulate B. longum subsp. longum Growth in a Simplified Model of the Infant Gut Microbiome.](#)

Journal of proteome research , Volume: 18 Issue: 8 2019 Aug 2

Authors Jakobsen LMA,Sundekilde UK,Andersen HJ,Nielsen DS,Bertram HC

[Resistant Starch is Actively Fermented by Infant Faecal Microbiota and Increases Microbial Diversity.](#)

Nutrients , Volume: 11 Issue: 6 2019 Jun 14

Authors Gopalsamy G,Mortimer E,Greenfield P,Bird AR,Young GP,Christophersen CT

[Microbiome-Metabolomics Analysis Investigating the Impacts of Dietary Starch Types on the Composition and Metabolism of Colonic Microbiota in Finishing Pigs.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Yu M,Li Z,Chen W,Rong T,Wang G,Ma X

[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

[Effects of a Lactulose-Rich Diet on Fecal Microbiome and Metabolome in Pregnant Mice.](#)

Journal of agricultural and food chemistry , Volume: 67 Issue: 27 2019 Jul 10

Authors Zhang Z,Chen X,Zhao J,Tian C,Wei X,Li H,Lin W,Jiang A,Feng R,Yuan J,Zhao X

[Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.](#)

Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10

Authors Sakai Y,Seki N,Hamano K,Ochi H,Abe F,Masuda K,Iino H

Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10

Authors Sakai Y,Seki N,Hamano K,Ochi H,Abe F,Masuda K,Iino H

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

Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.

The American journal of clinical nutrition , Volume: 109 Issue: 6 2019 Jun 1

Authors Hiel S, Bindels LB, Pachikian BD, Kalala G, Broers V, Zamariola G, Chang BPI, Kambashi B, Rodríguez J, Cani PD, Neyrinck AM, Thissen JP, Luminet O, Bindelle J, Delzenne NM

A study of the prebiotic effect of lactulose at low dosages in healthy Japanese women.

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

Authors Sakai Y,Seki N,Hamano H,Ochi H,Abe F,Shimizu F,Masuda K,Iino H

Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.

The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1

Authors Partula V, Mondot S, Torres MJ, Kesse-Guyot E, Deschasaux M, Assmann K, Latino-Martel P, Buscail C, Julia C, Galan P, Hercberg S, Rouilly V, Thomas S, Quintana-Murci L, Albert ML, Duffy D, Lantz O, Touvier M, Milieu Intérieur Consortium

The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.

Frontiers in nutrition , Volume: 6 2019

Authors Jefferson A, Adolphus K

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

Targeting the Gut Microbiota to Investigate the Mechanism of Lactulose in Negating the Effects of a High-Salt Diet on Hypertension.

Molecular nutrition & food research , Volume: 63 Issue: 11 2019 Jun

Authors Zhang Z, Zhao J, Tian C, Chen X, Li H, Wei X, Lin W, Zheng N, Jiang A, Feng R, Yuan J, Zhao X

Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.

PeerJ , Volume: 7 2019

Authors De Paepe K, Verspreet J, Rezaei MN, Hidalgo Martinez S, Meysman F, Van de Walle D, Dewettinck K, Raes J, Courtin C, Van de Wiele T

Arabinoxylan from Argentinian whole wheat flour promote the growth of Lactobacillus reuteri and Bifidobacterium breve.

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

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

Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development.

Anaerobe , Volume: 55 2019 Feb

Authors Velikonja A, Lipoglavšek L, Zorec M, Orel R, Avguštin G

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

In vitro fermentation of raffinose by the human gut bacteria.

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

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

Biological Activities of Lactose-Derived Prebiotics and Symbiotic with Probiotics on Gastrointestinal System.

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

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

Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.

Natural product research , 2018 Oct 13

Authors Condò C, Anacarso I, Sabia C, Iseppi R, Anfelli I, Forti L, de Niederhäusern S, Bondi M, Messi P

Effects of 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 in vitro gastrointestinal digestion and colonic fermentation on a rosemary (*Rosmarinus officinalis* L) extract rich in rosmarinic acid.**Food chemistry** , Volume: 271 2019 Jan 15

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

Antifungal efficacy of herbs.**Journal of oral biology and craniofacial research** , Volume: 9 Issue: 1 2019 Jan-Mar

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

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

Investigating of Moringa Oleifera Role on Gut Microbiota Composition and Inflammation Associated with Obesity Following High Fat Diet Feeding.**Open access Macedonian journal of medical sciences** , Volume: 6 Issue: 8 2018 Aug 20

Authors Elabd EMY,Morsy SM,Elmalt HA

Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.**Environmental microbiology** , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM,Van de Wiele T

Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.**Journal of evidence-based integrative medicine** , Volume: 23 2018 Jan-Dec

Authors Peterson CT,Vaughn AR,Sharma V,Chopra D,Mills PJ,Peterson SN,Sivamani RK

Barley Products of Different Fiber Composition Selectively Change Microbiota Composition in Rats.**Molecular nutrition & food research** , Volume: 62 Issue: 19 2018 Oct

Authors Teixeira C,Prykhodko O,Alminger M,Fåk Hållénius F,Nyman M

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.**The Journal of nutritional biochemistry** , Volume: 59 2018 Sep

Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK

Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections.**Molecules (Basel, Switzerland)** , Volume: 23 Issue: 7 2018 Jul 9

Authors Ebani VV,Nardoni S,Bertelloni F,Pistelli L,Mancianti F

High Fructose Intake During Pregnancy in Rats Influences the Maternal Microbiome and Gut Development in the Offspring.**Frontiers in genetics** , Volume: 9 2018

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

Effects of garlic polysaccharide on alcoholic liver fibrosis and intestinal microflora in mice.**Pharmaceutical biology** , Volume: 56 Issue: 1 2018 Dec

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

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

High-Glucose or -Fructose Diet Cause Changes of the Gut Microbiota and Metabolic Disorders in Mice without Body Weight Change.**Nutrients** , Volume: 10 Issue: 6 2018 Jun 13

Authors Do MH,Lee E,Oh MJ,Kim Y,Park HY

Chicory Roots for Prebiotics and Appetite Regulation: A Pilot Study in Mice.**Journal of agricultural and food chemistry** , Volume: 66 Issue: 25 2018 Jun 27

Authors Fouré M,Dugardin C,Foligné B,Hance P,Cadalen T,Delcourt A,Taminiau B,Daube G,Ravallec R,Cudennec B,Hilbert JL,Lucau-Danila A

Antimicrobial Activity of Monoketone Curcuminoids Against Cariogenic Bacteria.**Chemistry & biodiversity** , Volume: 15 Issue: 8 2018 Aug

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

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

Carbohydrate polymers , Volume: 193 2018 Aug 1

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

Effects of Whole-Grain Rice and Wheat on Composition of Gut Microbiota and Short-Chain Fatty Acids in Rats.

Journal of agricultural and food chemistry , 2018 May 29

Authors Han F,Wang Y,Han Y,Zhao J,Han F,Song G,Jiang P,Miao H

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

The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.

Molecular nutrition & food research , 2018 Apr 17

Authors González-Sarriás A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC

Smoking and the intestinal microbiome.

Archives of microbiology , Volume: 200 Issue: 5 2018 Jul

Authors Savin Z,Kivity S,Yonath H,Yehuda S

Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57BL/6J mice.

MicrobiologyOpen , Volume: 7 Issue: 6 2018 Dec

Authors Zhai S,Zhu L,Qin S,Li L

Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.

Nutrition & diabetes , Volume: 8 Issue: 1 2018 Mar 7

Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM

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

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

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

Whole Tibetan Huli-Less Barley Exhibit Stronger Effect on Promoting Growth of Genus Bifidobacterium than Refined Barley In Vitro.

Journal of food science , Volume: 83 Issue: 4 2018 Apr

Authors Gong L,Cao W,Gao J,Wang J,Zhang H,Sun B,Yin M

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

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

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

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

Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.

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

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

Essential oils from *Origanum vulgare* and *Salvia officinalis* exhibit antibacterial and anti-biofilm activities against *Streptococcus pyogenes*.

Microbial pathogenesis , Volume: 117 2018 Apr

Authors Wijesundara NM,Rupasinghe HPV

Phytochemical screening and biological activity of Lamiaceae family plant extracts.

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

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

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.

Frontiers in microbiology , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

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

Voprosy pitaniia , Volume: 84 Issue: 6 2015

Authors Markova YM,Sheveleva SA

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

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

Indoor microbiota in severely moisture damaged homes and the impact of interventions.

Microbiome , Volume: 5 Issue: 1 2017 Oct 13

Authors Jayaprakash B,Adams RI,Kirjavainen P,Karvonen A,Vepsäläinen A,Valkonen M,Järvi K,Sulyok M,Pekkanen J,Hyvärinen A,Täubel M

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

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

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

Authors Rani GN,Budumuru R,Bandaru NR

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

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

Authors Bai G,Tsuruta T,Nishino N

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 Foughse JM,Gänzle MG,Beattie AD,Vasanthan T,Zijlstra RT

Synergistic effect of *Carum copticum* and *Mentha piperita* essential oils with ciprofloxacin, vancomycin, and gentamicin on Gram-negative and Gram-positive bacteria.

International journal of pharmaceutical investigation , Volume: 7 Issue: 2 2017 Apr-Jun

Authors Talei GR,Mohammadi M,Bahmani M,Kopaei MR

Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.

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

Authors Semeniuc CA,Pop CR,Rotar AM

Dietary pomegranate extract and inulin affect gut microbiome differentially in mice fed an obesogenic diet.

Anaerobe , Volume: 48 2017 Dec

Authors Zhang S,Yang J,Henning SM,Lee R,Hsu M,Grojean E,Pisegna R,Ly A,Heber D,Li Z

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

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

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

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

Screening bioactivity and bioactive constituents of Nordic unifloral honeys.

Food chemistry , Volume: 237 2017 Dec 15

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

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

Nutrients , Volume: 9 Issue: 7 2017 Jul 18

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

Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.

Scientific reports , Volume: 7 Issue: 1 2017 Jul 17

Authors Suriano F, Bindels LB, Verspreet J, Courtin CM, Verbeke K, Cani PD, Neyrinck AM, Delzenne NM

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

AAPS PharmSciTech , Volume: 19 Issue: 1 2018 Jan

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

Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.

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

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

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

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

Authors Rath S, Padhy RN

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

Diabetes research and clinical practice , Volume: 130 2017 Aug

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

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

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

Authors Gupta A, Mahajan S, Sharma R

Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome.

Environmental microbiology , Volume: 19 Issue: 8 2017 Aug

Authors De Paepe K, Kerckhof FM, Verspreet J, Courtin CM, Van de Wiele T

Gastrointestinal Simulation Model TWIN-SHIME Shows Differences between Human Urolithin-Metabotypes in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract.

Journal of agricultural and food chemistry , Volume: 65 Issue: 27 2017 Jul 12

Authors García-Villalba R, Vissenaekens H, Pitart J, Romo-Vaquero M, Espín JC, Grootaert C, Selma MV, Raes K, Smagghe G, Possemiers S, Van Camp J, Tomas-Barberan FA

Inhibition of Pseudomonas aeruginosa quorum sensing by subinhibitory concentrations of curcumin with gentamicin and azithromycin.

Journal of global antimicrobial resistance , Volume: 10 2017 Sep

Authors Bahari S, Zeighami H, Mirshahabi H, Roudashti S, Haghi F

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

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

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

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

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

Zingiber officinale: Its antibacterial activity on Pseudomonas aeruginosa and mode of action evaluated by flow cytometry.

Microbial pathogenesis , Volume: 107 2017 Jun

Authors Chakotiya AS, Tanwar A, Narula A, Sharma RK

Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.

Frontiers in microbiology , Volume: 8 2017

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

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

International journal of analytical chemistry , Volume: 2017 2017

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

Effect of Whole Grain Qingke (Tibetan Hordeum vulgare L. Zangqing 320) on the Serum Lipid Levels and Intestinal Microbiota of Rats under High-Fat Diet.

Journal of agricultural and food chemistry , Volume: 65 Issue: 13 2017 Apr 5

Authors Xia X, Li G, Ding Y, Ren T, Zheng J, Kan J

Impact of humic acids on the colonic microbiome in healthy volunteers.

World journal of gastroenterology , Volume: 23 Issue: 5 2017 Feb 7

Authors Swidsinski A, Dörffel Y, Loening-Baucke V, Gille C, Reifshauer A, Göktas O, Krüger M, Neuhaus J, Schrödl W

Specific inulin-type fructan fibers protect against autoimmune diabetes by modulating gut immunity, barrier function, and

microbiota homeostasis.**Molecular nutrition & food research** , Volume: 61 Issue: 8 2017 Aug

Authors Chen K,Chen H,Faas MM,de Haan BJ,Li J,Xiao P,Zhang H,Diana J,de Vos P,Sun J

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.**Gut** , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J

Synergistic activity of sub-inhibitory concentrations of curcumin with ceftazidime and ciprofloxacin against *Pseudomonas aeruginosa* quorum sensing related genes and virulence traits.**World journal of microbiology & biotechnology** , Volume: 33 Issue: 3 2017 Mar

Authors Roudashti S,Zeighami H,Mirshahabi H,Bahari S,Soltani A,Haghi F

Characterization of ginger essential oil/palygorskite composite (GEO-PGS) and its anti-bacteria activity.**Materials science & engineering. C, Materials for biological applications** , Volume: 73 2017 Apr 1

Authors Lei H,Wei Q,Wang Q,Su A,Xue M,Liu Q,Hu Q

Characterization of faecal microbial communities of dairy cows fed diets containing ensiled *Moringa oleifera* fodder.**Scientific reports** , Volume: 7 2017 Jan 30

Authors Sun J,Zeng B,Chen Z,Yan S,Huang W,Sun B,He Q,Chen X,Chen T,Jiang Q,Xi Q,Zhang Y

Biological activities of *Rosmarinus officinalis* L. (rosemary) extract as analyzed in microorganisms and cells.**Experimental biology and medicine (Maywood, N.J.)** , Volume: 242 Issue: 6 2017 Mar

Authors de Oliveira JR,de Jesus D,Figueira LW,de Oliveira FE,Pacheco Soares C,Camargo SE,Jorge AO,de Oliveira LD

Early-Life Sugar Consumption Affects the Rat Microbiome Independently of Obesity.**The Journal of nutrition** , Volume: 147 Issue: 1 2017 Jan

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

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

Assessment of the prebiotic effect of quinoa and amaranth in the human intestinal ecosystem.**Food & function** , Volume: 7 Issue: 9 2016 Sep 14

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

Effect of Chicory-derived Inulin on Abdominal Sensations and Bowel Motor Function.**Journal of clinical gastroenterology** , Volume: 51 Issue: 7 2017 Aug

Authors Azpiroz F,Molne L,Mendez S,Nieto A,Manichanh C,Mego M,Accarino A,Santos J,Sailer M,Theis S,Guarner F

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

Draft Genome Sequence of *Klebsiella pneumoniae* Strain AS Isolated from Zhejiang Provincial Hospital of TCM, China.**Genome announcements** , Volume: 4 Issue: 5 2016 Sep 22

Authors Yang XJ,Wang S,Cao JM,Hou JH

In vitro activity of plant extracts against biofilm-producing food-related bacteria.**International journal of food microbiology** , Volume: 238 2016 Dec 5

Authors Nostro A,Guerrini A,Marino A,Tacchini M,Di Giulio M,Grandini A,Akin M,Cellini L,Bisignano G,Saraçoğlu HT

Gut complex carbohydrates and intestinal microflora in broiler chickens fed with oregano (*Origanum vulgare* L.) aqueous extract and vitamin E.**Journal of animal physiology and animal nutrition** , Volume: 101 Issue: 4 2017 Aug

Authors Scocco P,Forte C,Franciosi MP,Mercati F,Casagrande-Proietti P,Dall'Aglio C,Acuti G,Tardella FM,Trabalza-Marinucci M

The effect of volatile oil mixtures on the performance and ileo-caecal microflora of broiler chickens.**British poultry science** , Volume: 57 Issue: 6 2016 Dec

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

Dietary Casein and Soy Protein Isolate Modulate the Effects of Raffinose and Fructooligosaccharides on the Composition and Fermentation of Gut Microbiota in Rats.**Journal of food science** , Volume: 81 Issue: 8 2016 Aug

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

In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.**Journal of intercultural ethnopharmacology** , Volume: 5 Issue: 3 2016 Jun-Aug

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

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

Scientific reports , Volume: 6 2016 Jun 27

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

Raffinose, a plant galactoside, inhibits Pseudomonas aeruginosa biofilm formation via binding to LecA and decreasing cellular cyclic diguanylate levels.

Scientific reports , Volume: 6 2016 May 4

Authors Kim HS,Cha E,Kim Y,Jeon YH,Olson BH,Byun Y,Park HD

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

The intestinal microbiota of piglets fed with wheat bran variants as characterised by 16S rRNA next-generation amplicon sequencing.

Archives of animal nutrition , Volume: 70 Issue: 3 2016

Authors Kraler M,Ghanbari M,Domig KJ,Schedle K,Kneifel W

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

Antimicrobial activities of six essential oils commonly used as condiments in Brazil against Clostridium perfringens.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 47 Issue: 2 2016 Apr-Jun

Authors Radaelli M,da Silva BP,Weidlich L,Hoehne L,Flach A,da Costa LA,Ethur EM

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

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

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

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

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

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

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

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

Extrusion of barley and oat influence the fecal microbiota and SCFA profile of growing pigs.

Food & function , Volume: 7 Issue: 2 2016 Feb

Authors Moen B,Berget I,Rud I,Hole AS,Kjos NP,Sahlström S

Disparate Metabolic Responses in Mice Fed a High-Fat Diet Supplemented with Maize-Derived Non-Digestible Feruloylated Oligo- and Polysaccharides Are Linked to Changes in the Gut Microbiota.

PloS one , Volume: 11 Issue: 1 2016

Authors Yang J,Bindels LB,Segura Munoz RR,Martínez I,Walter J,Ramer-Tait AE,Rose DJ

Fecal microbiome of growing pigs fed a cereal based diet including chicory (Cichorium intybus L.) or ribwort (Plantago lanceolata L.) forage.

Journal of animal science and biotechnology , Volume: 6 2015

Authors Dicksved J,Jansson JK,Lindberg JE

Evidence for synergistic activity of plant-derived essential oils against fungal pathogens of food.

Food microbiology , Volume: 53 Issue: Pt B 2016 Feb

Authors Hossain F,Follett P,Dang Vu K,Harich M,Salmieri S,Lacroix M

CHEMICAL COMPOSITION AND ANTIBACTERIAL ACTIVITY OF SOME MEDICINAL PLANTS FROM LAMIACEAE FAMILY.

Acta poloniae pharmaceutica , Volume: 72 Issue: 4 2015 Jul-Aug

Authors Kozłowska M,Laudy AE,Przybyl J,Ziarno M,Majewska E

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

Frontiers in microbiology , Volume: 6 2015

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

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

Revista 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

Microbial populations and fermentation profiles in rumen liquid and solids of Holstein cows respond differently to dietary barley processing.

Journal of applied microbiology , Volume: 119 Issue: 6 2015 Dec

Authors Metzler-Zebeli BU,Khol-Parisini A,Gruber L,Zebeli Q

Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.

Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

High Amylose Starch with Low In Vitro Digestibility Stimulates Hindgut Fermentation and Has a Bifidogenic Effect in Weaned Pigs.

The Journal of nutrition , Volume: 145 Issue: 11 2015 Nov

Authors Fohse JM,Gänzle MG,Regmi PR,van Kempen TA,Zijlstra RT

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

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

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

Authors Keyes PH,Rams TE,Jordan HV

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

Effect of starch source (corn, oats or wheat) and concentration on fermentation by equine faecal microbiota in vitro.

Journal of applied microbiology , Volume: 119 Issue: 5 2015 Nov

Authors Harlow BE,Donley TM,Lawrence LM,Flythe MD

Effect of daily intake of pomegranate juice on fecal microbiota and feces metabolites from healthy volunteers.

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Mosele JJ,Gosalbes MJ,Macià A,Rubió L,Vázquez-Castellanos JF,Jiménez Hernández N,Moya A,Latorre A,Motilva MJ

The Role of Curcumin in Modulating Colonic Microbiota During Colitis and Colon Cancer Prevention.

Inflammatory bowel diseases , Volume: 21 Issue: 11 2015 Nov

Authors McFadden RM,Larmonier CB,Shehab KW,Midura-Kiela M,Ramalingam R,Harrison CA,Besselsen DG,Chase

JH,Caporaso JG,Jobin C,Ghishan FK,Kiela PR

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

Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.

Food & function , Volume: 6 Issue: 8 2015 Aug

Authors Li Z,Henning SM,Lee RP,Lu QY,Summanen PH,Thames G,Corbett K,Downes J,Tseng CH,Finegold SM,Heber D

Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

Wheat and barley differently affect porcine intestinal microbiota.

Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr

- Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R**
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 situ identification and quantification of starch-hydrolyzing bacteria attached to barley and corn grain in the rumen of cows fed barley-based diets.
FEMS microbiology ecology , Volume: 91 Issue: 8 2015 Aug
Authors Xia Y,Kong Y,Seviour R,Yang HE,Forster R,Vasanthan T,McAllister T
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 Activity of Pomegranate and Green Tea Extract on Propionibacterium Acnes, Propionibacterium Granulosum, Staphylococcus Aureus and Staphylococcus Epidermidis.
Journal of drugs in dermatology : JDD , Volume: 14 Issue: 6 2015 Jun
Authors Li Z,Summanen PH,Downes J,Corbett K,Komoriya T,Henning SM,Kim J,Finegold SM
Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.
Recent patents on food, nutrition & agriculture , Volume: 7 Issue: 1 2015
Authors Ozogul Y,Kuley E,Ucar Y,Ozogul F
Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.
Anaerobe , Volume: 34 2015 Aug
Authors Li Z,Summanen PH,Komoriya T,Henning SM,Lee RP,Carlson E,Heber D,Finegold SM
Immunomodulation and anti-inflammatory effects of garlic compounds.
Journal of immunology research , Volume: 2015 2015
Authors Arreola R,Quintero-Fabián S,López-Roa RI,Flores-Gutiérrez EO,Reyes-Grajeda JP,Carrera-Quintanar L,Ortuño-Sahagún D
Antimicrobial agents from selected medicinal plants in Libya.
Chinese journal of integrative medicine , Volume: 22 Issue: 3 2016 Mar
Authors Muhaisen HM,Ab-Mous MM,Ddeeb FA,Rtemi AA,Taba OM,Parveen M
Antifungal and antibacterial metabolites from a French poplar type propolis.
Evidence-based complementary and alternative medicine : eCAM , Volume: 2015 2015
Authors Boisard S,Le Ray AM,Landreau A,Kempf M,Cassisa V,Flurin C,Richomme P
Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets.
The British journal of nutrition , Volume: 113 Issue: 10 2015 May 28
Authors Zhong Y,Marungruang N,Fåk F,Nyman M
Effects of sub-lethal concentrations of thyme and oregano essential oils, carvacrol, thymol, citral and trans-2-hexenal on membrane fatty acid composition and volatile molecule profile of Listeria monocytogenes, Escherichia coli and Salmonella enteritidis.
Food chemistry , Volume: 182 2015 Sep 1
Authors Siroli L,Patrighani F,Gardini F,Lanciotti R
Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.
International journal of food microbiology , Volume: 202 2015 Jun 2
Authors Akdemir Evrendilek G
Effect of specific amino acids on hepatic lipid metabolism in fructose-induced non-alcoholic fatty liver disease.
Clinical nutrition (Edinburgh, Scotland) , Volume: 35 Issue: 1 2016 Feb
Authors Jegatheesan P,Beutheu S,Ventura G,Sarfati G,Nubret E,Kapel N,Waligora-Dupriet AJ,Bergheim I,Cynober L,De-Bandt JP
6-Gingerol reduces Pseudomonas aeruginosa biofilm formation and virulence via quorum sensing inhibition.
Scientific reports , Volume: 5 2015 Mar 2
Authors Kim HS,Lee SH,Byun Y,Park HD
Anti-inflammatory effect of garlic 14-kDa protein on LPS-stimulated-J774A.1 macrophages.
Immunopharmacology and immunotoxicology , Volume: 37 Issue: 2 2015 Apr
Authors Rabe SZ,Ghazanfari T,Siadat Z,Rastin M,Rabe SZ,Mahmoudi M
Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.
Nutrients , Volume: 7 Issue: 2 2015 Feb 16
Authors Sheflin AM,Borresen EC,Wdowik MJ,Rao S,Brown RJ,Heuberger AL,Broeckling CD,Weir TL,Ryan EP
Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber.
The American journal of clinical nutrition , Volume: 101 Issue: 2 2015 Feb

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

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

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

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

Orally disintegrating films containing propolis: properties and release profile.

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

Authors Borges JG, De Carvalho RA

Bioanalytical evaluation of *Cinnamomum zeylanicum* essential oil.

Natural product research , Volume: 29 Issue: 19 2015

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

In-vitro screening of Malaysian honey from different floral sources for antibacterial activity on human pathogenic bacteria.

African journal of traditional, complementary, and alternative medicines : AJTCAM , Volume: 11 Issue: 2 2014

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

Manuka honey reduces the motility of *Pseudomonas aeruginosa* by suppression of flagella-associated genes.

The Journal of antimicrobial chemotherapy , Volume: 70 Issue: 3 2015 Mar

Authors Roberts AE, Maddocks SE, Cooper RA

Arabinoxylan in wheat is more responsible than cellulose for promoting intestinal barrier function in weaned male piglets.

The Journal of nutrition , Volume: 145 Issue: 1 2015 Jan

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

[The antibacterial activity of cinnamon oil on the selected gram-positive and gram-negative bacteria].

Medycyna doświadczalna i mikrobiologia , Volume: 66 Issue: 2 2014

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

Antibacterial activity of bark extracts of *Moringa oleifera* Lam. against some selected bacteria.

Pakistan journal of pharmaceutical sciences , Volume: 27 Issue: 6 2014 Nov

Authors Zaffer M, Ahmad S, Sharma R, Mahajan S, Gupta A, Agnihotri RK

In vitro fermentation of lactulose by human gut bacteria.

Journal of agricultural and food chemistry , Volume: 62 Issue: 45 2014 Nov 12

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

Assessment of tolerance induction by *Origanum vulgare* L. essential oil or carvacrol in *Pseudomonas aeruginosa* cultivated in a meat-based broth and in a meat model.

Food science and technology international = Ciencia y tecnología de los alimentos internacional , Volume: 21

Issue: 8 2015 Dec

Authors da Silva Luz I, Gomes-Neto NJ, Magnani M, de Souza EL

[Chicory extract's influence on gut bacteria of abdominal obesity rat].

Zhongguo Zhong yao za zhi = Zhongguo zhongyao zazhi = China journal of Chinese materia medica , Volume: 39

Issue: 11 2014 Jun

Authors Sun BY, Zhang B, Lin ZJ, Li LY, Wang HP, Zhou J

Natural control of bacteria affecting meat quality by a neem (*Azadirachta indica* A. Juss) cake extract.

Natural product research , Volume: 29 Issue: 10 2015

Authors Del Serrone P, Failla S, Nicoletti M

Total Phenolic Content and Antibacterial Activity of Five Plants of Labiatae against Four Foodborne and Some Other Bacteria.

Iranian journal of pharmaceutical research : IJPR , Volume: 13 Issue: 2 2014 Spring

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

Physico-chemical analysis and antimicrobial potential of *Apis dorsata*, *Apis mellifera* and *Ziziphus jujube* honey samples from Pakistan.

Asian Pacific journal of tropical biomedicine , Volume: 4 Issue: 8 2014 Aug

Authors Fahim H, Dasti JJ, Ali I, Ahmed S, Nadeem M

Effect of traditional leafy vegetables on the growth of lactobacilli and bifidobacteria.

International journal of food sciences and nutrition , Volume: 65 Issue: 8 2014 Dec

Authors Kassim MA, Baijnath H, Odhav B

Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW, Pinchak WE, Dowd S, Dorton K, Yoon I, Min BR, Fulford JD, Wickersham TA, Malinowski DP

Antioxidant, antimicrobial and phytochemical variations in thirteen *Moringa oleifera* Lam. cultivars.

Molecules (Basel, Switzerland) , Volume: 19 Issue: 7 2014 Jul 18

Authors Ndhiala AR,Mulaudzi R,Ncube B,Abdelgadir HA,du Plooy CP, Van Staden J

Free-radical scavenging activity and antibacterial impact of Greek oregano isolates obtained by SFE.

Food chemistry , Volume: 165 2014 Dec 15

Authors Stamenic M,Vulic J,Djilas S,Misic D,Tadic V,Petrovic S,Zizovic I

The antimicrobial activity of Azadirachta indica, Mimulus elengi, Tinospora cardifolia, Ocimum sanctum and 2% chlorhexidine gluconate on common endodontic pathogens: An in vitro study.

European journal of dentistry , Volume: 8 Issue: 2 2014 Apr

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

Effects of natural honey on polymicrobial culture of various human pathogens.

Archives of medical science : AMS , Volume: 10 Issue: 2 2014 May 12

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

Effect of methylglyoxal on multidrug-resistant Pseudomonas aeruginosa.

Frontiers in microbiology , Volume: 5 2014

Authors Hayashi K,Fukushima A,Hayashi-Nishino M,Nishino K

Combinatorial antimicrobial effect of curcumin with selected phytochemicals on Staphylococcus epidermidis.

Journal of Asian natural products research , Volume: 16 Issue: 5 2014

Authors Sharma G,Raturi K,Dang S,Gupta S,Gabrani R

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

Anti-staphylococcal activity of C-methyl flavanones from propolis of Australian stingless bees (Tetragonula carbonaria) and fruit resins of Corymbia torelliana (Myrtaceae).

Fitoterapia , Volume: 95 2014 Jun

Authors Massaro CF,Katouli M,Grkovic T,Vu H,Quinn RJ,Heard TA,Carvalho C,Manley-Harris M,Wallace HM,Brooks P

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

A comparison of the anti-Staphylococcus aureus activity of extracts from commonly used medicinal plants.

Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 20 Issue: 5 2014 May

Authors Snowden R,Harrington H,Morrill K,Jeane L,Garrity J,Orian M,Lopez E,Rezaie S,Hassberger K,Familoni D,Moore J,Virdee K,Albornoz-Sanchez L,Walker M,Cavins J,Russell T,Guse E,Reker M,Tschudy O,Wolf J,True T,Ukaegbu O,Ahaghotu E,Jones A,Polanco S,Rochon Y,Waters R,Langland J

Bile acids and the gut microbiome.

Current opinion in gastroenterology , Volume: 30 Issue: 3 2014 May

Authors Ridlon JM,Kang DJ,Hylemon PB,Bajaj JS

Changes chemopreventive markers in colorectal cancer development after inulin supplementation.

Bratislavske lekarske listy , Volume: 115 Issue: 2 2014

Authors Hijoja E,Szabadosova V,Strojny L,Bomba A

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

Dietary supplementation with lactose or artificial sweetener enhances swine gut Lactobacillus population abundance.

The British journal of nutrition , Volume: 111 Suppl 1 2014 Jun

Authors Daly K,Darby AC,Hall N,Nau A,Bravo D,Shirazi-Beechey SP

Antibacterial, antifungal and antioxidant activities of honey collected from Timergara (Dir, Pakistan).

Pakistan journal of pharmaceutical sciences , Volume: 27 Issue: 1 2014 Jan

Authors Zahoor M,Naz S,Sangeen M

Chicory (*Cichorium intybus* L.) and cereals differently affect gut development in broiler chickens and young pigs.

Journal of animal science and biotechnology , Volume: 4 Issue: 1 2013 Dec 17

Authors Liu H,Ivarsson E,Lundh T,Lindberg JE

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

Antioxidant, antibacterial and ACE-inhibitory activity of four monofloral honeys in relation to their chemical composition.

Food & function , Volume: 4 Issue: 11 2013 Nov

Authors León-Ruiz V,González-Porto AV,Al-Habsi N,Vera S,San Andrés MP,Jauregi P

Changing dietary calcium-phosphorus level and cereal source selectively alters abundance of bacteria and metabolites in the upper gastrointestinal tracts of weaned pigs.

Applied and environmental microbiology , Volume: 79 Issue: 23 2013 Dec

Authors Metzler-Zebeli BU,Mann E,Schmitz-Esser S,Wagner M,Ritzmann M,Zebeli Q

Antimicrobial activity of essential oils against vancomycin-resistant enterococci (vre) and *Escherichia coli* o157:h7 in feta soft cheese and minced beef meat.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 42 Issue: 1 2011 Jan

Authors Selim S

Chemical composition and biological activity of the essential oil from leaves of *Moringa oleifera* Lam. cultivated in Mozambique.

Molecules (Basel, Switzerland) , Volume: 18 Issue: 9 2013 Sep 9

Authors Marrufo T,Nazzaro F,Mancini E,Fratianni F,Coppola R,De Martino L,Agostinho AB,De Feo V

[Food value of *cichorium intybus*].

Voprosy pitaniia , Volume: 82 Issue: 2 2013

Authors Luzina EV

Functional ginger extracts from supercritical fluid carbon dioxide extraction via in vitro and in vivo assays: antioxidation, antimicroorganism, and mice xenografts models.

TheScientificWorldJournal , Volume: 2013 2013

Authors Lee CC,Chiou LY,Wang JY,Chou SY,Lan JC,Huang TS,Huang KC,Wang HM

Influence of propolis on hygiene, gingival condition, and oral microflora in patients with cleft lip and palate treated with fixed orthodontic appliances.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2013 2013

Authors Machorowska-Pieniazek A,Morawiec T,Mertas A,Tanasiewicz M,Dziedzic A,Król W

Antibacterial activity of selected Malaysian honey.

BMC complementary and alternative medicine , Volume: 13 2013 Jun 10

Authors Zainol MI,Mohd Yusoff K,Mohd Yusof MY

Leaf extract of *Azadirachta indica* (neem): a potential antibiofilm agent for *Pseudomonas aeruginosa*.

Pathogens and disease , Volume: 69 Issue: 1 2013 Oct

Authors Harjai K,Bala A,Gupta RK,Sharma R

In vitro evaluation of Portuguese propolis and floral sources for antiprotozoal, antibacterial and antifungal activity.

Phytotherapy research : PTR , Volume: 28 Issue: 3 2014 Mar

Authors Falcão SI,Vale N,Cos P,Gomes P,Freire C,Maes L,Vilas-Boas M

Phytochemical Screening and Antimicrobial Activity of Some Medicinal Plants Against Multi-drug Resistant Bacteria from Clinical Isolates.

Indian journal of pharmaceutical sciences , Volume: 74 Issue: 5 2012 Sep

Authors Dahiya P,Purkayastha S

In Vitro Antimicrobial Activity of Ethanolic Extract of Polish Propolis against Biofilm Forming *Staphylococcus epidermidis* Strains.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2013 2013

Authors Wojtyczka RD,Kepa M,Idzik D,Kubina R,Kabala-Dzik A,Dziedzic A,Wasik TJ

Effects of vanillin, quillaja saponin, and essential oils on in vitro fermentation and protein-degrading microorganisms of the rumen.

Applied microbiology and biotechnology , Volume: 98 Issue: 2 2014 Jan

Authors Patra AK,Yu Z

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

Grain-rich diets differently alter ruminal and colonic abundance of microbial populations and lipopolysaccharide in goats.

Anaerobe , Volume: 20 2013 Apr

Authors Metzler-Zebeli BU,Schmitz-Esser S,Klevenhusen F,Podstatzky-Lichtenstein L,Wagner M,Zebeli Q

Antimicrobial isothiocyanates from the seeds of *Moringa oleifera* Lam.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 67 Issue: 11-12 2012 Nov-Dec

Authors Padla EP,Solis LT,Levida RM,Shen CC,Ragasa CY

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

Antibacterial and antimycotic activities of Slovenian honeys.

British journal of biomedical science , Volume: 69 Issue: 4 2012

Authors Kuncic MK,Jaklic D,Lapanje A,Gunde-Gimernan N

In vitro antimicrobial assessment of Cuban propolis extracts.

Memorias do Instituto Oswaldo Cruz , Volume: 107 Issue: 8 2012 Dec

Authors Monzote L,Cuesta-Rubio O,Campo Fernandez M,Márquez Hernandez I,Fraga J,Pérez K,Kerstens M,Maes L,Cos P

Synergistic effects of honey and propolis toward drug multi-resistant *Staphylococcus aureus*, *Escherichia coli* and *Candida albicans* isolates in single and polymicrobial cultures.

International journal of medical sciences , Volume: 9 Issue: 9 2012

Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K

Antibacterial activity of Greek and Cypriot honeys against *Staphylococcus aureus* and *Pseudomonas aeruginosa* in comparison to manuka honey.

Journal of medicinal food , Volume: 16 Issue: 1 2013 Jan

Authors Anthimidou E,Mossialos D

In vitro antimicrobial activities of cinnamon bark oil, anethole, carvacrol, eugenol and guaiazulene against *Mycoplasma hominis* clinical isolates.

Biomedical papers of the Medical Faculty of the University Palacky, Olomouc, Czechoslovakia , Volume: 158 Issue: 2 2014 Jun

Authors Sleha R,Mosio P,Vydrzalova M,Jantovska A,Bostikova V,Mazurova J

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

Antibacterial activity of various honey types of Algeria against *Staphylococcus aureus* and *Streptococcus pyogenes*.

Asian Pacific journal of tropical medicine , Volume: 5 Issue: 10 2012 Oct

Authors Moussa A,Nouredine D,Mohamed HS,Abdelmelek M,Saad A

Gut microbiome composition is linked to whole grain-induced immunological improvements.

The ISME journal , Volume: 7 Issue: 2 2013 Feb

Authors Martínez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

Effects of cereal β -glucans and enzyme inclusion on the porcine gastrointestinal tract microbiota.

Anaerobe , Volume: 18 Issue: 6 2012 Dec

Authors Murphy P,Bello FD,O'Doherty JV,Arendt EK,Sweeney T,Coffey A

Chemical composition, olfactory analysis and antibacterial activity of *Thymus vulgaris* chemotypes geraniol, 4-thujanol/terpinen-4-ol, thymol and linalool cultivated in southern France.

Natural product communications , Volume: 7 Issue: 8 2012 Aug

Authors Schmidt E,Wanner J,Hiiferl M,Jirovetz L,Buchbauer G,Gochev V,Girova T,Stoyanova A,Geissler M

Enzyme deactivation treatments did not decrease the beneficial role of oat food in intestinal microbiota and short-chain fatty acids: an in vivo study.

Journal of the science of food and agriculture , Volume: 93 Issue: 3 2013 Feb

Authors Hu X,Xing X,Zhen H

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

Report: Studies on antibacterial activity of some traditional medicinal plants used in folk medicine.

Pakistan journal of pharmaceutical sciences , Volume: 25 Issue: 3 2012 Jul

Authors Israr F,Hassan F,Naqvi BS,Azhar I,Jabeen S,Hasan SM

Synthesis and evaluation of antimicrobial activity of 4H-pyrimido[2,1-b]benzothiazole, pyrazole and benzylidene derivatives of curcumin.

European journal of medicinal chemistry , Volume: 54 2012 Aug

Authors Sahu PK,Sahu PK,Gupta SK,Thavaselvam D,Agarwal DD

Microbiota benefits after inulin and partially hydrolyzed guar gum supplementation: a randomized clinical trial in constipated women.

Nutricion hospitalaria , Volume: 27 Issue: 1 2012 Jan-Feb

Authors Linetzky Waitzberg D,Alves Pereira CC,Logullo L,Manzoni Jacintho T,Almeida D,Teixeira da Silva ML,Matos de Miranda Torrinhas RS

Haridra (curcuma longa) and its effect on abhisayanda (conjunctivitis).

Ancient science of life , Volume: 8 Issue: 3-4 1989 Jan

Authors Srinivas C,Prabhakaran KV

Antimicrobial Potency of the Leaf - Stalk Extract of Curcuma longa (LINN).

Ancient science of life , Volume: 20 Issue: 1-2 2000 Jul

Authors Mazumder R,Mendiratta T,Mondal SC,Mazumder A

Antimicrobial action of the leaf extract of moringa oleifera lam.

Ancient science of life , Volume: 14 Issue: 3 1995 Jan

Authors Pal SK,Mukherjee PK,Saha K,Pal M,Saha BP

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

Effect of lactose on gut microbiota and metabolome of infants with cow's milk allergy.

Pediatric allergy and immunology : official publication of the European Society of Pediatric Allergy and Immunology , Volume: 23 Issue: 5 2012 Aug

Authors Francavilla R,Calasso M,Calace L,Siragusa S,Ndagijimana M,Vernocchi P,Brunetti L,Mancino G,Tedeschi G,Guerzoni E,Indrio F,Laghi L,Miniello VL,Gobbetti M,De Angelis M

The antimicrobial activity of essential oils and extracts of some medicinal plants grown in Ash-shoubak region - South of Jordan.

Pakistan journal of pharmaceutical sciences , Volume: 25 Issue: 1 2012 Jan

Authors Abu-Darwish MS,Al-Ramamneh EA,Kyslychenko VS,Karpiuk UV

Synergistic antimicrobial activities of natural essential oils with chitosan films.

Journal of agricultural and food chemistry , Volume: 59 Issue: 23 2011 Dec 14

Authors Wang L,Liu F,Jiang Y,Chai Z,Li P,Cheng Y,Jing H,Leng X

In-vitro antimicrobial activity and synergistic/antagonistic effect of interactions between antibiotics and some spice essential oils.

Journal of environmental biology , Volume: 32 Issue: 1 2011 Jan

Authors Toroglu S

Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.

Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C

Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice.

PloS one , Volume: 6 Issue: 6 2011

Authors Neyrinck AM,Possemiers S,Druart C,Van de Wiele T,De Backer F,Cani PD,Larondelle Y,Delzenne NM

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

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

High-throughput method for comparative analysis of denaturing gradient gel electrophoresis profiles from human fecal samples reveals significant increases in two bifidobacterial species after inulin-type prebiotic intake.

FEMS microbiology ecology , Volume: 75 Issue: 2 2011 Feb

Authors Joossens M,Huys G, Van Steen K,Cnockaert M,Vermeire S,Rutgeerts P,Verbeke K,Vandamme P,De Preter V

Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.

Molecules (Basel, Switzerland) , Volume: 15 Issue: 11 2010 Oct 27

Authors Sokovic M,Glamoclija J,Marin PD,Brkic D,van Griensven LJ

Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.

Food microbiology , Volume: 27 Issue: 7 2010 Oct

Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P

In vitro evaluation of the microbiota modulation abilities of different sized whole oat grain flakes.

Anaerobe , Volume: 16 Issue: 5 2010 Oct

Authors Connolly ML,Lovegrove JA,Tuohy KM

Determination of the in vivo prebiotic potential of a maize-based whole grain breakfast cereal: a human feeding study.

The British journal of nutrition , Volume: 104 Issue: 9 2010 Nov

Authors Carvalho-Wells AL,Helmolz K,Nodet C,Molzer C,Leonard C,McKevith B,Thielecke F,Jackson KG,Tuohy KM

The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota.

International journal of food microbiology , Volume: 140 Issue: 2-3 2010 Jun 15

Authors Bialonska D,Ramnani P,Kasimsetty SG,Muntha KR,Gibson GR,Ferreira D

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

In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.

FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun

Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA

The antimicrobial efficacy of plant essential oil combinations and interactions with food ingredients.

International journal of food microbiology , Volume: 124 Issue: 1 2008 May 10

Authors Gutierrez J,Barry-Ryan C,Bourke P

Synergistic antibacterial activity between Thymus vulgaris and Pimpinella anisum essential oils and methanol extracts.

Journal of ethnopharmacology , Volume: 116 Issue: 3 2008 Mar 28

Authors Al-Bayati FA

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

Antibacterial activity of guava (Psidium guajava L.) and Neem (Azadirachta indica A. Juss.) extracts against foodborne pathogens and spoilage bacteria.

Foodborne pathogens and disease , Volume: 4 Issue: 4 2007 Winter

Authors Mahfuzul Hoque MD,Bari ML,Inatsu Y,Juneja VK,Kawamoto S

Inhibitory activity of garlic (Allium sativum) extract on multidrug-resistant Streptococcus mutans.

Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 25 Issue: 4 2007 Oct-Dec

Authors Fani MM,Kohanteb J,Dayaghi M

Antibacterial effect of five Zingiberaceae essential oils.

Molecules (Basel, Switzerland) , Volume: 12 Issue: 8 2007 Aug 23

Authors Norajit K,Laohakunjit N,Kerdchoechuen O

Whole-grain wheat breakfast cereal has a prebiotic effect on the human gut microbiota: a double-blind, placebo-controlled, crossover study.

The British journal of nutrition , Volume: 99 Issue: 1 2008 Jan

Authors Costabile A,Klinder A,Fava F,Napolitano A,Fogliano V,Leonard C,Gibson GR,Tuohy KM

Chemical composition and biological activity of a new type of Brazilian propolis: red propolis.

Journal of ethnopharmacology , Volume: 113 Issue: 2 2007 Sep 5

Authors Alencar SM,Oldoni TL,Castro ML,Cabral IS,Costa-Neto CM,Cury JA,Rosalen PL,Ikegaki M

Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.

Journal of agricultural and food chemistry , Volume: 55 Issue: 11 2007 May 30

Authors López P, Sanchez 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

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

Molecular monitoring of the fecal microbiota of healthy human subjects during administration of lactulose and *Saccharomyces boulardii*.

Applied and environmental microbiology , Volume: 72 Issue: 9 2006 Sep

Authors Vanhoutte T, De Preter V, De Brandt E, Verbeke K, Swings J, Huys G

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

Susceptibility of *Prevotella intermedia*/*Prevotella nigrescens* (and *Porphyromonas gingivalis*) to propolis (bee glue) and other antimicrobial agents.

Anaerobe , Volume: 8 Issue: 1 2002 Feb

Authors Santos FA, Bastos EM, Rodrigues PH, de Uzeda M, de Carvalho MA, Farias Lde M, Moreira ES

Antimicrobial and antiplasmid activities of essential oils.

Fitoterapia , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z, Molnar J, Hohmann J

Preparation and antimicrobial activity of gelatin microparticles containing propolis against oral pathogens.

Drug development and industrial pharmacy , Volume: 32 Issue: 2 2006 Feb

Authors Bruschi ML, Lara EH, Martins CH, Vinholis AH, Casemiro LA, Panzeri H, Gremião MP

Multifactorial aspects of antimicrobial activity of propolis.

Microbiological research , Volume: 161 Issue: 4 2006

Authors Scazzocchio F, D'Auria FD, Alessandrini D, Pantanella F

Prebiotic effects of chicory inulin in the simulator of the human intestinal microbial ecosystem.

FEMS microbiology ecology , Volume: 51 Issue: 1 2004 Dec 27

Authors de Wiele TV, Boon N, Possemiers S, Jacobs H, Verstraete W

The protective role of topical propolis on experimental keratitis via nitric oxide levels in rabbits.

Molecular and cellular biochemistry , Volume: 281 Issue: 1-2 2006 Jan

Authors Duran N, Koc A, Oksuz H, Tamer C, Akaydin Y, Kozlu T, Celik M

Propolis: anti-*Staphylococcus aureus* activity and synergism with antimicrobial drugs.

Memorias do Instituto Oswaldo Cruz , Volume: 100 Issue: 5 2005 Aug

Authors Fernandes Júnior A, Balestrin EC, Betoni JE, Orsi Rde O, da Cunha Mde L, Montelli AC

Effect of propolis in the treatment of experimental *Staphylococcus aureus* keratitis in rabbits.

Ophthalmic research , Volume: 37 Issue: 6 2005 Nov-Dec

Authors Oksuz H, Duran N, Tamer C, Cetin M, Silici S

Antibacterial activity of propolis against *Staphylococcus aureus*.

International journal of food microbiology , Volume: 102 Issue: 2 2005 Jul 15

Authors Lu LC, Chen YW, Chou CC

Chemical compositions and antimicrobial activities of four different Anatolian propolis samples.

Microbiological research , Volume: 160 Issue: 2 2005

Authors Uzel A, Sorkun K, Onçag O, Coğulu D, Gençay O, Salih B

Chemical composition and antibacterial activity of propolis collected by three different races of honeybees in the same region.

Journal of ethnopharmacology , Volume: 99 Issue: 1 2005 May 13

Authors Silici S, Kutluca S

Mixture of honey, beeswax and olive oil inhibits growth of *Staphylococcus aureus* and *Candida albicans*.

Archives of medical research , Volume: 36 Issue: 1 2005 Jan-Feb

Authors Al-Waili NS

[Antimicrobial properties of bee preparations in ointment form].

Mikrobiolohichnyi zhurnal (Kiev, Ukraine : 1993) , Volume: 66 Issue: 6 2004 Nov-Dec

Authors Postoienco VO, Senchuhova NA, Postoienco OM, Patyka VP

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

Antibacterial and resistance modifying activity of Rosmarinus officinalis.

Phytochemistry , Volume: 65 Issue: 24 2004 Dec

Authors Oluwatuyi M, Kaatz GW, Gibbons S

Growth inhibition of foodborne pathogens and food spoilage organisms by select raw honeys.

International journal of food microbiology , Volume: 97 Issue: 1 2004 Dec 1

Authors Mundo MA, Padilla-Zakour OI, Worobo RW

In vitro antimicrobial activity of essential oils from aromatic plants against selected foodborne pathogens.

Journal of food protection , Volume: 67 Issue: 6 2004 Jun

Authors Rota C, Carramiñana JJ, Burillo J, Herrera A

Contribution of acetate to butyrate formation by human faecal bacteria.

The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun

Authors Duncan SH, Holtrop G, Lobley GE, Calder AG, Stewart CS, Flint HJ

Lactulose ingestion increases faecal bifidobacterial counts: a randomised double-blind study in healthy humans.

European journal of clinical nutrition , Volume: 58 Issue: 3 2004 Mar

Authors Bouhnik Y, Attar A, Joly FA, Riottot M, Dyard F, Flourié B

Antimicrobial activity of extracts of local cough mixtures on upper respiratory tract bacterial pathogens.

The West Indian medical journal , Volume: 52 Issue: 3 2003 Sep

Authors Adeleye IA, Opiah L

Antibacterial activity of honey and propolis from Apis mellifera and Tetragonisca angustula against Staphylococcus aureus.

Journal of applied microbiology , Volume: 95 Issue: 5 2003

Authors Miorin PL, Levy Junior NC, Custodio AR, Bretz WA, Marcucci MC

Influence of ginger rhizome (Zingiber officinale Rosc) on survival, glutathione and lipid peroxidation in mice after whole-body exposure to gamma radiation.

Radiation research , Volume: 160 Issue: 5 2003 Nov

Authors Jagetia GC, Baliga MS, Venkatesh P, Ullloor JN

Lactose utilization in Klebsiella pneumoniae: the slow utilization of lactose by resting cells of lactose fermenting strains.

Journal of bacteriology , Volume: 70 Issue: 1 1955 Jul

Authors CABELLI VJ

The significance of lactose fermentation and its relationship to resistance in Klebsiella pneumoniae.

Journal of bacteriology , Volume: 66 Issue: 4 1953 Oct

Authors CABELLI VJ, PICKETT MJ

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

Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.

The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec

Authors Dongowski G, Huth M, Gebhardt E, Flamme W

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

Evaluation of N-acetylchitooligosaccharides as the main carbon sources for the growth of intestinal bacteria.

FEMS microbiology letters , Volume: 209 Issue: 1 2002 Mar 19

Authors Chen HC, Chang CC, Mau WJ, Yen LS

Screening of the antibacterial effects of a variety of essential oils on respiratory tract pathogens, using a modified dilution assay method.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 7 Issue: 4 2001 Dec

Authors Inouye S, Yamaguchi H, Takizawa T

Prebiotic treatment of experimental colitis with germinated barley foodstuff: a comparison with probiotic or antibiotic treatment.

International journal of molecular medicine , Volume: 9 Issue: 1 2002 Jan

Authors Fukuda M, Kanauchi O, Araki Y, Andoh A, Mitsuyama K, Takagi K, Toyonaga A, Sata M, Fujiyama Y, Fukuoka M, Matsumoto

Y,Bamba 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

In-vitro antimicrobial activity of four diallyl sulphides occurring naturally in garlic and Chinese leek oils.

Journal of medical microbiology , Volume: 50 Issue: 7 2001 Jul

Authors Tsao SM,Yin MC

In vitro activity of garlic oil and four diallyl sulphides against antibiotic-resistant Pseudomonas aeruginosa and Klebsiella pneumoniae.

The Journal of antimicrobial chemotherapy , Volume: 47 Issue: 5 2001 May

Authors Tsao S,Yin M

Egyptian propolis: 1-antimicrobial activity and chemical composition of Upper Egypt propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 56 Issue: 1-2 2001 Jan-Feb

Authors Hegazi AG,El Hady FK

Phenolic compounds from Brazilian propolis with pharmacological activities.

Journal of ethnopharmacology , Volume: 74 Issue: 2 2001 Feb

Authors Marcucci MC,Ferrerres F,García-Viguera C,Bankova VS,De Castro SL,Dantas AP,Valente PH,Paulino N

In vitro antimicrobial activity of propolis dry extract.

Journal of chemotherapy (Florence, Italy) , Volume: 12 Issue: 5 2000 Oct

Authors Drago L,Mombelli B,De Vecchi E,Fassina MC,Tocalli L,Gismondo MR

Study on propolis quality from China and Uruguay.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 9-10 2000 Sep-Oct

Authors Serra Bonvehí J,Ventura Coll F

Seasonal effect on Brazilian propolis antibacterial activity.

Journal of ethnopharmacology , Volume: 73 Issue: 1-2 2000 Nov

Authors Sforcin JM,Fernandes A Jr,Lopes CA,Bankova V,Funari SR

Screening of some Palestinian medicinal plants for antibacterial activity.

Journal of ethnopharmacology , Volume: 70 Issue: 3 2000 Jun

Authors Essawi T,Srouf M

Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.

Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May

Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG

Fn-type chicory inulin hydrolysate has a prebiotic effect in humans.

The Journal of nutrition , Volume: 130 Issue: 5 2000 May

Authors Menne E,Guggenbuhl N,Roberfroid M

Chemical composition and antimicrobial activity of European propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 1-2 2000 Jan-Feb

Authors Hegazi AG,Abd El Hady FK,Abd Allah FA

Antibacterial activity of garlic powder against Escherichia coli O-157.

Journal of nutritional science and vitaminology , Volume: 45 Issue: 6 1999 Dec

Authors Sasaki J,Kita T,Ishita K,Uchisawa H,Matsue H

In vitro utilization of amylopectin and high-amylose maize (Amylomaize) starch granules by human colonic bacteria.

Applied and environmental microbiology , Volume: 65 Issue: 11 1999 Nov

Authors Wang X,Conway PL,Brown IL,Evans AJ

Antimicrobial activity of essential oils and other plant extracts.

Journal of applied microbiology , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA,Carson CF,Riley TV

An organosulfur compound isolated from oil-macerated garlic extract, and its antimicrobial effect.

Bioscience, biotechnology, and biochemistry , Volume: 63 Issue: 3 1999 Mar

Authors Yoshida H,Katsuzaki H,Ohta R,Ishikawa K,Fukuda H,Fujino T,Suzuki A

Increased growth of Bifidobacterium and Eubacterium by germinated barley foodstuff, accompanied by enhanced butyrate production in healthy volunteers.

International journal of molecular medicine , Volume: 3 Issue: 2 1999 Feb

Authors Kanauchi O,Fujiyama Y,Mitsuyama K,Araki Y,Ishii T,Nakamura T,Hitomi Y,Agata K,Saiki T,Andoh A,Toyonaga A,Bamba T

The colonization of a simulator of the human intestinal microbial ecosystem by a probiotic strain fed on a fermented oat bran product: effects on the gastrointestinal microbiota.

Applied microbiology and biotechnology , Volume: 50 Issue: 2 1998 Aug

Authors Kontula P,Jaskari J,Nollet L,De Smet I,von Wright A,Poutanen K,Mattila-Sandholm T

Fecal numbers of bifidobacteria are higher in pigs fed Bifidobacterium longum with a high amylose cornstarch than with a low amylose cornstarch.

The Journal of nutrition , Volume: 127 Issue: 9 1997 Sep

Authors Brown I,Warhurst M,Arcot J,Playne M,Ilmanen RJ,Topping DL

Effects of lactulose and lactitol on colonic microflora and enzymatic activity.

Scandinavian journal of gastroenterology. Supplement , Volume: 222 1997

Authors Ballongue J,Schumann C,Quignon P

Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.

The American journal of clinical nutrition , Volume: 65 Issue: 5 1997 May

Authors Kleessen B,Sykura B,Zunft HJ,Blaut M

Antimicrobial evaluation of some plants used in Mexican traditional medicine for the treatment of infectious diseases.

Journal of ethnopharmacology , Volume: 53 Issue: 3 1996 Sep

Authors Navarro V,Villarreal ML,Rojas G,Lozoya X

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

Comparison of utilization of pectins from various sources by pure cultures of pectinolytic rumen bacteria and mixed cultures of rumen microorganisms.

Acta microbiologica Polonica , Volume: 43 Issue: 1 1994

Authors Kasperowicz A

[Effect of propolis on Staphylococcus aureus strains resistant to antibiotics].

Antibiotiki , Volume: 26 Issue: 4 1981 Apr

Authors Shub TA,Kagramanova KA,Voropaeva SD,Kivman GI

Influence of dietary lactose on the gut flora of chicks.

British poultry science , Volume: 23 Issue: 4 1982 Jul

Authors Morishita Y,Fuller R,Coates ME

The fermentation of lactulose by colonic bacteria.

Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS,Bramley PM,Menzies IS

Inhibition of coagulase activity and growth of Staphylococcus aureus by garlic extracts.

Folia microbiologica , Volume: 19 Issue: 6 1974

Authors Fletcher RD,Parker B,Hassett M

Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.

The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar

Authors Slade AP,Wyatt GM,Bayliss CE,Wailes WM

Immunomodulatory action of propolis: IV. Prophylactic activity against gram-negative infections and adjuvant effect of the water-soluble derivative.

Vaccine , Volume: 10 Issue: 12 1992

Authors Dimov V,Ivanovska N,Bankova V,Popov S

Fermentation of mucins and plant polysaccharides by anaerobic bacteria from the human colon.

Applied and environmental microbiology , Volume: 34 Issue: 5 1977 Nov

Authors Salyers AA,West SE,Vercellotti JR,Wilkins TD

[Selective effect of propolis in the isolation of Listeria monocytogenes (author's transl)].

Nordisk veterinærmedicin , Volume: 29 Issue: 10 1977 Oct

Authors Aspöy E

R-plasmid linked lactose fermentation in Klebsiella pneumoniae.

The Indian journal of medical research , Volume: 70 1979 Nov

Authors Walia SK,Chugh TD,Sharma KB,Bhat MB

Additional sources and private correspondence

Private Correspondance , Volume: 1 Issue: 2018

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1

Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

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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
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Cancer (General)
Carcinoma
cdk15 deficiency disorder
Celiac Disease
Cerebral Palsy
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Coagulation / Micro clot triggering bacteria
Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema

Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
liver fibrosis
Long COVID
Low bone mineral density
Lung Cancer
Lymphoma
Mast Cell Issues/ mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic

NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing
Vitiligo