

Microbiome Information for: Insomnia

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/>)

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Insomnia

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

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Actinomycetes	class	High	1760	Olsenella	genus	Low	133925
Bacilli	class	Low	91061	Oscillibacter	genus	High	459786
Bacteroidia	class	High	200643	Oscillospira	genus	Low	119852
Negativicutes	class	High	909932	Paenibacillus	genus	High	44249
Bacteroidaceae	family	Low	815	Peptococcus	genus	Low	2740
Coriobacteriaceae	family	High	84107	Prevotella	genus	Low	838
Erysipelotrichaceae	family	High	128827	Roseburia	genus	Low	841
Lachnospiraceae	family	High	186803	Ruminococcus	genus	Low	1263
Lactobacillaceae	family	Low	33958	Senegalimassilia	genus	Low	1473205
Oscillospiraceae	family	Low	216572	Shuttleworthella	genus	High	177971
Prevotellaceae	family	High	171552	Staphylococcus	genus	High	1279
Ruminococcaceae	family	High	541000	Streptococcus	genus	High	1301
Aerococcus	genus	High	1375	Bacteroidales	order	High	171549
Agathobacter	genus	Low	1766253	Lactobacillales	order	Low	186826
Akkermansia	genus	Low	239934	Selenomonadales	order	High	909929
Allisonella	genus	High	209879	Akkermansia muciniphila	species	Low	239935
Bacteroides	genus	High	816	Anaerobutyricum hallii	species	High	39488
Blautia	genus	High	572511	Bacteroides caecimuris	species	Low	1796613
Coprobacter	genus	Low	1348911	Candida albicans	species	Low	5476
Coprococcus	genus	High	33042	Clostridiales bacterium	species	High	1898207
Dorea	genus	High	189330	Eubacterium xylanophilum	species	High	39497
Eubacterium	genus	High	1730	Fusobacterium mortiferum	species	High	850
Faecalibacterium	genus	Low	216851	Hallella colorans	species	High	1703337
Fastidiosipila	genus	High	236752	Hoylella buccalis	species	High	28127
Flaviflexus	genus	High	1522056	Hoylella timonensis	species	High	386414
Flavonifractor	genus	Low	946234	Lactobacillus crispatus	species	High	47770
Globicatella	genus	High	13075	Muribaculum intestinale	species	Low	1796646
Intestinibacter	genus	High	1505657	Prevotella amnii	species	High	419005
Klebsiella	genus	High	570	Pseudomonas aeruginosa	species	High	287
Lachnospirillum	genus	High	1506553	Roseburia inulinivorans	species	High	360807
Lachnospira	genus	Low	28050	Staphylococcus aureus	species	High	1280
Lactobacillus	genus	High	1578	Streptococcus pyogenes	species	Low	1314
Megasphaera	genus	High	906	Streptococcus salivarius	species	High	1304

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.

Akkermansia muciniphila {Pendulum Probiotic} 10 BCFU/day
Arthrospira platensis {Spirulina}
 Astragalus
 Avena sativa x Hordeum vulgare {barley,oat}
bacillus licheniformis {b. licheniformis} 10 BCFU/day
Bifidobacterium animalis {B. animalis}
 cholic,taurocholic ,chenodeoxycholic,glycocholic acids {Bile supplements}
Cichorium intybus {Chicory} 1800 mg/day
 Citrus polymethoxyflavone {Nobiletin (oranges and lemons)}
Dextrin 40 gram/day
 Fagopyrum esculentum {Buckwheat}
gynostemma pentaphyllum {Jiaogulan}
 Hordeum vulgare {Barley} 60 gram/day
Lactaseibacillus paracasei {L.paracasei} 40 BCFU/day
Lactaseibacillus rhamnosus {l. rhamnosus} 48 BCFU/day
 Lactose {Milk Sugar}
Ligilactobacillus salivarius {L. salivarius} 9 BCFU/day

Limosilactobacillus fermentum {L. fermentum} 12 BCFU/day
Limosilactobacillus reuteri {L. Reuteri} 22 BCFU/day
 long-term, moderate-intensity exercise {exercise}
Mannan oligosaccharides {Mannooligosaccharide} 8 gram/day
Momordica charantia {Bitter gourd}
 Morus {Mulberry }
 non-starch polysaccharides
 Outer Layers of Triticum aestivum {Wheat Bran}
 Polyethylene oxide sorbitan mono-oleate {Polysorbate 80}
 Pyroguaiac acid {Guaiacol}
 Rheum × hybridum {Rhubarb}
Saccharomyces cerevisiae var boulardii {S. boulardii} 6 BCFU/day
schisandra chinensis {magnolia berry}
 Sodium Chloride {Salt}
 synthetic disaccharide derivative of lactose {Lactulose}
 walnuts 75 gram/day
 wheat
 Whole Cow milk {Whole Milk}

Retail Probiotics

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

Global Healing Center / FloraTrex
 Wholesome Wellness / Raw Probiotic
 SuperSmart / Full Spectrum Probiotic Formula
 vita miracle / ultra-30 probiotics
 Garden of Life / Dr. Formulated Once Daily Women's
 hyperbiotics / pro-15
 nature's way (au) / restore probiotic 100 billion
 Next Generation
 seed / female version
 newrhythm / probiotics 20 strains
 fürstenmed / lacto-bifido
 Lake Avenue Nutrition / Probiotics 10 Strain Blend
 Advanced Bio-Cultures / Advance Multi Strain Probiotics
 elixa / probiotic
 bioray / cytoflora
 renew life / ultimate flora
 bioglan bio (au) / happy probiotic 100
 garden of life / primal defense
 jamieson (can) / probiotic 10 bcfu
 jarro formulas / jarro-dophilus® ultra
 SuperSmart / Oral Health
 Ombre / Healthy Gut
 OMNI-BIOTIC®/ 10 AAD
 bravo europe / freeze-dried bravo
 Physician Choice / 60 Billion Probiotics
 7 AM Ultra Probiotics
 quantum wellness / restora flora
 Probiotic 10 Billion Active Cells Daily Maintenance
 bravo europe / starter and complex
 Ombre / Metabolic Booster
 organic 3 / primal gut
 solaray / microbiome probiotic colon formula
 SuperSmart / Vaginal Health
 bioglan bio (au) / happy probiotic 50
 optibac / for women
 OMNI-BIOTIC®/ TRAVEL
 jarro formulas / fem-dophilus®
 Wakunaga / Max Probiotic
 Bioflora(MX) / Woman
 naturopathica (au) / gastrohealth women's probiotic with cranberry
 seed / male version
 Dr. Mercola / Complete Probiotics
 NOW FOODS / Clinical GI Probiotic
 vinco / probiotic eight 65
 Physis / Advance Probiotics
 Eden's / 3-in-1 Synbiotic Superblend
 Ombre / Endless Energy
 Sash Vitality / Bio-Cultures Probiotics for Adults
 blackmore (au) / probiotics+ womens flora balance
 Northwest Natural Products / PB8
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
 1 md / complete probiotics platinum
 custom probiotics / six strain probiotic powder

Nu U (uk) / Bio-Cultures Complex
biospec / probiotic-5
RepHresh / Pro-B Probiotic Supplement for Women
young living/life 9
nature's bounty / probioti 10
MegaFood / MegaFlora
spain (es) / aquilea intimus
Ombre / Restore
Thryve LPCasei Th1, LPCasei Th2,L.Ferm IBF1, Lacidoph
Bromatech (IT) / Lautoselle
Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
renew life men's probiotic - ultimate
custom probiotics / d-lactate free probiotics powder
Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
JGL / Lactogyn
up4 / ultra
jarrow formulas / fem dophilus
Bromatech (IT) / Psicobrain
douglas laboratories / multi probiotic 40 billion
LiveWell Nutrition / Pro-45
Jetson (US) / Immunity Probiotics
HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
custom probiotics / four strain lactobacilli
naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
udo's choice /super 8 gold
Windlove Probiotics / Ecologic®825
ASEA VIA / BIOME
Bromatech (IT) / Rotanelle plus
Immune Defense Daily Chewable Probiotic
blackmores (au) / probiotics + adults daily (90 capsules)
Swiss BioEnergetics / Full Spectrum Probiotic Defence
spain (es) / muvagyn probiotico
probiotic pur (de) / realdose nutrition
Bulk Probiotics / L. Fermentum Probiotic Powder
Pregnancy Care Probiotic
bio-k+
jarrow formula / jarro-dophilus original
solgar / advanced multi-billion dophilus
optibac / for daily immunity
Bromatech(IT) / FEMELLE
SuperSmart / Akkermansia Muciniphila Postbiotic (pasturized)
microbiome labs / restorflora
zint nutrition / probiotic collagen +
Smidge / Sensitive Probiotic
Botica Alternativa / Lactobacilos Reuteri
Krauterhaus / Lactopro
Bromatech (IT) / Aflugenex
SuperSmart / Candalb
spain (es) / vivomixx
reg'activ / immune & vitality
ProGoes® Forte
CustomProbiotics.com / L. Paracasei Probiotic Powder
Ombre / Mood Enhancer
naturopathica (au) / gastrohealth probiotic adults 50+
Realdose
Metabolics / Lactobacillus Rhamnosus Powder
SuperSmart / Lactoxira
Bromatech (IT) / Enterelle

HLH BIOPHARMA(DE) / LACTOBACT ® AAD
klaire labs / target gb-x
Materna® Opti-Lac® Breast Feeding Support
jarrow formulas / jarro-dophilus eps
spain (es) / ns defenbiotic kids
ferring / vsl#3
Resbiotic / resB® Lung Support
Bromatech (IT) / Acronelle
spain (es) / gastrus
florastor / florastor
optibac / for those on antibiotics
Good Start® by Gerber® Breastfeeding Comfort Plus Probiotics
Invivo / Bio.Me Femme UT
CustomProbiotics.com / L. Reuteri Probiotic Powder
Bromatech (IT) / Milonet
Pendulum / Metabolic Daily
Schwabe Pharma Italia / AxiBoulardi
Bulk Probiotics / L. Salivarius Probiotic Powder
Bio Schwartz / Advance Strength Probiotics (40 BCFU)
microbiome labs/ megasporebiotic
Bromatech / ENTERELLE PLUS
SuperSmart / Derma Relief
Bulk Probiotics / L. Paracasei Probiotic Powder
Ombre / Harmony
Maple Life Science™ / Lactobacillus salivarius
spain (es) / ultralevura
spain (es) / casenbiotic
ImmuneBiotech Medical Sweden AB / GutMagnific®
organic 3 / yeastbiotic
CVSHealth / Daily Probiotic
Bromatech (IT) / Serobiome
UltraFlora® Immune Booster
danactive drink
up4 / women's
ISCON Elegance/ Ochek Capsule 10
just for tummies / live bacteria
solgar / advanced 40+ acidophilus
spain (es) / reuteri gotas
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
organic 3 / gutpro
optibac / saccharomyces boulardii
BioGaia / BioGaia Products
naturopathica (au) / gastrohealth antacid
Pendulum / Pendulum Glucose Control
CustomProbiotics.com / L. Salivarius Probiotic Powder
SuperSmart / Lactobacillus reuteri
Microbiome Plus+™ Gastrointestinal
Bulk Probiotics / L. Rhamnosus Probiotic Powder
Schiff® Digestive Advantage® Advanced Probiotics Multi-Strain Support
Jetson (US) / Mood Probiotics
Symprove™
Maple Life Science™ / Lactobacillus fermentum
CustomProbiotics.com / L. Rhamnosus Probiotic Powder
blackmore (au) / probiotics+ eczema relief
imagilin / NutriLots Replenish
Schwabe Pharma Italia / EnteroDophilus
Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
Jetson / FIT

Seeking Health / Probiota HistaminX
optibac / for every day
UltraFlora® Restore
Microbiome Labs / MEGA Genesis
Pendulum / akkermansia muciniphila
Bromatech (IT) / Ramnoselle
Metabolics / Lactobacillus Salivarius Powder
blackmore (au) / probiotics+ daily health
nature's instincts / ultra spore probiotic
Biorela® Daily
spain (es) / lactanza hereditum
Bulk Probiotics / L. Reuteri Probiotic Powder
ecology_allergycare
Bulk Probiotics / Saccharomyces boulardii Probiotic Powder (Digestive Support)
Maple Life Science™ / Lactobacillus reuteri
spain (es) / gum periobalance
BioGaia / Elactia
fairvital / microflora basic
Energybalance / ColoBiotica 28 Colon Support
jarro formulas / jarro-dophilus mood
SuperSmart / Saccharomyces Boulardii
spain (es) / ns florabiotic instant
spain (es) / axiboulardi
SuperSmart / H. Pylori Fight
wakamoto (jp) / strong wakamoto w
BioGaia / BioGaia Osfortis
Wakunaga / Pro+ Synbiotic
Pädia GmbH (DE)/Mambiotic Kapseln
HLH BIOPHARMA(DE) / LACTOBACT® OMNI FOS
naturopathica (au)/ gastrohealth probiotic daily care
lifted naturals / mood boosting probiotic
cytoplan(uk) / dentavital bifidophilus

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.

Cinnamomum zeylanicum {Ceylon Cinnamon}

Curcuma longa {Turmeric}

Diferuloylmethane {Curcumin}

fruit

fruit/legume fibre

grapes

Honey {Honey }

origanum vulgare {oregano}

Propolis {Bee glue}

Punica granatum {pomegranate}

rosmarinus officinalis {rosemary}

terpenophenolics {cannabinoids}

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.

Linking Gut Microbiota, Oral Microbiota, and Serum Metabolites in Insomnia Disorder: A Preliminary Study.

Nature and science of sleep , Volume: 16 2024

Authors Lin W,Yang Y,Zhu Y,Pan R,Liu C,Pan J

Pain, obesity, adenosine salvage disruption, and smoking behavior mediate the effect of gut microbiota on sleep disorders: results from network Mendelian randomization and 16S rDNA sequencing.

Frontiers in microbiology , Volume: 15 2024

Authors Li FJ,Zhang RY,Li JY,Liu YN,Zhang ZX,Du L,Li YD,Liu X,Zhang W,Cui GY,Xu CY

Assessing the causal association between sleep apnea and the human gut microbiome composition: A two-sample Mendelian randomization study.

SAGE open medicine , Volume: 12 2024

Authors Yu M,Chen X,Huang X,Gao X

Faecalibacterium prausnitzii Supplementation Prevents Intestinal Barrier Injury and Gut Microflora Dysbiosis Induced by Sleep Deprivation.

Nutrients , Volume: 16 Issue: 8 2024 Apr 9

Authors Wang X,Li Y,Wang X,Wang R,Hao Y,Ren F,Wang P,Fang B

A Mendelian randomization investigation of the causal association between the gut microbiota and sleep disorders.

Frontiers in microbiology , Volume: 15 2024

Authors Yan W,Zhuang Z,Gao Y,Wang Y,He D

Sleep deprivation-induced anxiety-like behaviors are associated with alterations in the gut microbiota and metabolites.

Microbiology spectrum , Volume: 12 Issue: 4 2024 Apr 2

Authors Zhang N,Gao X,Li D,Xu L,Zhou G,Xu M,Peng L,Sun G,Pan F,Li Y,Ren R,Huang R,Yang Y,Wang Z

Association between sleep-related phenotypes and gut microbiota: a two-sample bidirectional Mendelian randomization study.

Frontiers in microbiology , Volume: 15 2024

Authors Wang X,Wang C,Liu K,Wan Q,Wu W,Liu C

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

A bidirectional Mendelian randomization study investigating the causal role between gut microbiota and insomnia.

Frontiers in neurology , Volume: 14 2023

Authors Yang J,Su T,Zhang Y,Jia M,Yin X,Lang Y,Cui L

The relationship between sleep, gut microbiota, and metabolome in patients with depression and anxiety: A secondary analysis of the observational study.

PloS one , Volume: 18 Issue: 12 2023

Authors Tanaka A,Sanada K,Miyaho K,Tachibana T,Kurokawa S,Ishii C,Noda Y,Nakajima S,Fukuda S,Mimura M,Kishimoto T,Iwanami A

The relationship between gut microbiota and insomnia: a bi-directional two-sample Mendelian randomization research.

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Li Y,Deng Q,Liu Z

Gut microbiota: A new target of traditional Chinese medicine for insomnia.

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

Authors Feng W,Yang Z,Liu Y,Chen R,Song Z,Pan G,Zhang Y,Guo Z,Ding X,Chen L,Wang Y

Butyrate Ameliorates Insufficient Sleep-Induced Intestinal Mucosal Damage in Humans and Mice.

Microbiology spectrum , 2022 Dec 21

Authors Gao T,Wang Z,Dong Y,Cao J,Chen Y

Regulation of sleep disorders in patients with traumatic brain injury by intestinal flora based on the background of brain-gut axis.

Frontiers in neuroscience , Volume: 16 2022

Authors Zhanfeng N,Liang W,Jing K,Jinbo B,YanJun C,Hechun X

Exercise Interventions Improved Sleep Quality through Regulating Intestinal Microbiota Composition.

International journal of environmental research and public health , Volume: 19 Issue: 19 2022 Sep 28

Authors Qiu L,Gong F,Wu J,You D,Zhao Y,Xu L,Cao X,Bao F

Multomics Analysis Reveals Aberrant Metabolism and Immunity Linked Gut Microbiota with Insomnia.

Microbiology spectrum , Volume: 10 Issue: 5 2022 Oct 26

Authors Wang Q,Chen B,Sheng D,Yang J,Fu S,Wang J,Zhao C,Wang J,Gai X,Wang J,Stirling K,Heng X,Man H,Zhang L

[Altered gut microbiota is associated with sleep disturbances in patients with minimal hepatic encephalopathy caused by hepatitis B-related liver cirrhosis.](#)

Expert review of gastroenterology & hepatology , Volume: 16 Issue: 8 2022 Aug

Authors Luo M,Hu FR,Xin RJ,Yao L,Hu SJ,Bai FH

[The gut microbiota-bile acid axis links the positive association between chronic insomnia and cardiometabolic diseases.](#)

Nature communications , Volume: 13 Issue: 1 2022 May 30

Authors Jiang Z,Zhuo LB,He Y,Fu Y,Shen L,Xu F,Gou W,Miao Z,Shuai M,Liang Y,Xiao C,Liang X,Tian Y,Wang J,Tang J,Deng K,Zhou H,Chen YM,Zheng JS

[Alterations in Gut Microbiota Are Correlated With Serum Metabolites in Patients With Insomnia Disorder.](#)

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Zhou J,Wu X,Li Z,Zou Z,Dou S,Li G,Yan F,Chen B,Li Y

[Gut Microbiome Composition Associated With Major Depressive Disorder and Sleep Quality.](#)

Frontiers in psychiatry , Volume: 12 2021

Authors Zhang Q,Yun Y,An H,Zhao W,Ma T,Wang Z,Yang F

[Profile of gut flora in hypertensive patients with insufficient sleep duration.](#)

Journal of human hypertension , Volume: 36 Issue: 4 2022 Apr

Authors Jiao J,Dong Y,Wang P,Zuo K,Han C,Cai J,Zhong J,Yang X,Li J

[Gut Microbiota Changes and Their Relationship with Inflammation in Patients with Acute and Chronic Insomnia.](#)

Nature and science of sleep , Volume: 12 2020

Authors Li Y,Zhang B,Zhou Y,Wang D,Liu X,Li L,Wang T,Zhang Y,Jiang M,Tang H,Amsel LV,Fan F,Hoven CW

[The Gut Microbiota and Associated Metabolites Are Altered in Sleep Disorder of Children With Autism Spectrum Disorders.](#)

Frontiers in psychiatry , Volume: 11 2020

Authors Hua X,Zhu J,Yang T,Guo M,Li Q,Chen J,Li T

[Self-reported sleep quality is associated with gut microbiome composition in young, healthy individuals: a pilot study.](#)

Sleep medicine , Volume: 73 2020 Sep

Authors Grosicki GJ,Riemann BL,Flatt AA,Valentino T,Lustgarten MS

[Evaluation of obstructive sleep apnea in non-cystic fibrosis bronchiectasis: A cross-sectional study.](#)

PloS one , Volume: 12 Issue: 10 2017

Authors Faria Júnior NS,Urbano JJ,Santos IR,Silva AS,Perez EA,Souza ÂH,Nascimento OA,Jardim JR,Insalaco G,Oliveira LVF,Stirbulov R

[Gut microbiota and glucometabolic alterations in response to recurrent partial sleep deprivation in normal-weight young individuals.](#)

Molecular metabolism , Volume: 5 Issue: 12 2016 Dec

Authors Benedict C,Vogel H,Jonas W,Woting A,Blaut M,Schürmann A,Cedernaes J

[Chronic Sleep Disruption Alters Gut Microbiota, Induces Systemic and Adipose Tissue Inflammation and Insulin Resistance in Mice.](#)

Scientific reports , Volume: 6 2016 Oct 14

Authors Poroyko VA,Carreras A,Khalyfa A,Khalyfa AA,Leone V,Peris E,Almendros I,Gileles-Hillel A,Qiao Z,Hubert N,Farré R,Chang EB,Gozal D

[Post-streptococcal autoimmune disorders of the central nervous system.](#)

Developmental medicine and child neurology , Volume: 47 Issue: 11 2005 Nov

Authors Dale RC

[Alteration of sleep in rabbits by Staphylococcus aureus infection.](#)

Infection and immunity , Volume: 56 Issue: 7 1988 Jul

Authors Toth LA,Krueger JM

[Effects of microbial challenge on sleep in rabbits.](#)

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 3 Issue: 9 1989 Jul

Authors Toth LA,Krueger JM

[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

[Comparative Antibacterial Activities of Extracts from Two Varieties of Bitter Gourd \(Mormordica charantia\).](#)

Pakistan journal of biological sciences : PJBS , Volume: 28 Issue: 4 2025 Mar

Authors Sawisit A,Payakapan S,Rodpon P,Charoenphakdee A,Khamboonlhea B,Pimthong P,Jangsanam C,Laongernthong

S,Wiengsima W,Rattanasuk S

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

3 Biotech , Volume: 15 Issue: 5 2025 May

Authors Thakur A,Sharma K

[Poricoic Acid A Protects Against High-Salt-Diet Induced Renal Fibrosis by Modulating Gut Microbiota and SCFA Metabolism.](#)

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 80 Issue: 2 2025 Apr 29

Authors Wang X,Xu Y,Wang Y,Xu Y,Tian Y,Wang Y,Wang M

[Effect of a 24-week supervised concurrent exercise intervention on fecal microbiota diversity and composition in young sedentary adults: The ACTIBATE randomized controlled trial.](#)

Clinical nutrition (Edinburgh, Scotland) , Volume: 49 2025 Apr 15

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

[Buckwheat resistant starch alleviates hyperlipidaemia in mice by inhibiting lipid accumulation and regulating gut microbiota.](#)

International journal of biological macromolecules , 2025 Apr 22

Authors Tao J,Chen Z,Xie Q,Bai H,Li Z,Jia Y,Zhang X,Xiao Y,Bu T,Yuan M,Li Q,Tang Z

[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

[Gut dysbiosis induced by a high-salt diet aggravates atherosclerosis by increasing the absorption of saturated fatty acids in ApoE-deficient mice.](#)

Journal of clinical biochemistry and nutrition , Volume: 76 Issue: 2 2025 Mar

Authors Yoshimura T,Okamura T,Yuge H,Hosomi Y,Kimura T,Ushigome E,Nakanishi N,Sasano R,Ogata T,Hamaguchi M,Fukui M

[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,Hincu L,Mititelu M

[The Impact of Akkermansia muciniphila on Mouse Models of Depression, Anxiety, and Stress: A Systematic Review and Meta-Analysis.](#)

Current neuropharmacology , 2025 Mar 18

Authors Khalili L,Park G,Nagpal R,Bhide P,Salazar G

[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,Laghuaouta H,Pena RN,Martínez M,Yuste S,Rubió-Piqué L,Piñol-Felis C

[Correlation between daily physical activity and intestinal microbiota in perimenopausal women.](#)

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

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

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

Food chemistry, Volume: 25 2025 Jan

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

Lactobacillus fermentum 016 Alleviates Mice Colitis by Modulating Oxidative Stress, Gut Microbiota, and Microbial Metabolism.

Nutrients, Volume: 17 Issue: 3 2025 Jan 26

Authors Pan H,Yang S,Kulyar MF,Ma H,Li K,Zhang L,Mo Q,Li J

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

Synergistic defecation effects of *Bifidobacterium animalis* subsp. *lactis* BL-99 and fructooligosaccharide by modulating gut microbiota.

Frontiers in immunology, Volume: 15 2024

Authors Zhang Q,Zhao W,Luo J,Shi S,Niu X,He J,Wang Y,Zeng Z,Jiang Q,Fang B,Chen J,Li Y,Wang F,He J,Guo J,Zhang M,Zhang L,Ge S,Hung WL,Wang R

Protective Potential of *Limosilactobacillus fermentum* Strains and Their Mixture on Inflammatory Bowel Disease via Regulating Gut Microbiota in Mice.

Journal of microbiology and biotechnology, Volume: 35 2024 Dec 10

Authors Joung JY,Choi K,Lee JH,Oh NS

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

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

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

Authors Obeidat M,Haddad MA,Ghnamat SA

Clinical Efficacy of Probiotics for Allergic Rhinitis: Results of an Exploratory Randomized Controlled Trial.

Nutrients, Volume: 16 Issue: 23 2024 Nov 30

Authors Lungaro L,Malfa P,Manza F,Costanzini A,Valentini G,Squarzanti DF,Viciani E,Velichevskaya A,Castagnetti A,Barbalinardo M,Gentili D,Cariani A,Ghisellini S,Caputo F,De Giorgio R,Caio G

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

Nutrients, Volume: 16 Issue: 23 2024 Nov 29

Authors Thongwong P,Wattanathorn J,Thukham-Mee W

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

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

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

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

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

Limosilactobacillus Fermentum ZS09 Can Improve Antibiotic-Induced Motor Dysfunction in Mice by Regulating the Brain-Gut

Functions.**Journal of inflammation research** , Volume: 17 2024

Authors Yang Y,Zhao Y,Lei H,Tan X

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

Oral Astragalus polysaccharide alleviates adenine-induced kidney injury by regulating gut microbiota-short-chain fatty acids-kidney G protein-coupled receptors axis.**Renal failure** , Volume: 46 Issue: 2 2024 Dec

Authors Liu W,Zhang Y,Hu D,Huang L,Liu X,Lu Z

Zingiber officinale Uncovered: Integrating Experimental and Computational Approaches to Antibacterial and Phytochemical Profiling.**Pharmaceuticals (Basel, Switzerland)** , Volume: 17 Issue: 11 2024 Nov 19

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

Antimicrobial Activity of Origanum vulgare Essential Oil against Staphylococcus aureus and Escherichia coli.**Pharmaceuticals (Basel, Switzerland)** , Volume: 17 Issue: 11 2024 Oct 25

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

Probiotic-Loaded Bacterial Cellulose as an Alternative to Combat Carbapenem-Resistant Bacterial Infections.**Antibiotics (Basel, Switzerland)** , Volume: 13 Issue: 11 2024 Oct 25

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

Lactacisibacillus rhamnosus LRa05 alleviates cyclophosphamide-induced immunosuppression and intestinal microbiota disorder in mice.**Journal of food science** , Volume: 89 Issue: 12 2024 Dec

Authors Zhu M,Yang L,Kong S,Bai Y,Zhao B

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

Akkermansia muciniphila ONE effectively ameliorates dextran sulfate sodium (DSS)-induced ulcerative colitis in mice.**NPJ science of food** , Volume: 8 Issue: 1 2024 Nov 19

Authors Zhang H,Pan Y,Jiang Y,Chen M,Ma X,Yu X,Ren D,Jiang B

Limosilactobacillus fermentum KBL674 Alleviates Vaginal Candidiasis.**Probiotics and antimicrobial proteins** , 2024 Nov 19

Authors Jang SJ,Jo EJ,Lee C,Cho BR,Shin YJ,Song JS,Kim WK,Lee N,Lee H,Park S,Ko G

Correlation between intestinal microbiota and urolithin metabolism in a human walnut dietary intervention.**BMC microbiology** , Volume: 24 Issue: 1 2024 Nov 15

Authors Liu H,Birk JW,Provatas AA,Vaziri H,Fan N,Rosenberg DW,Gharaibeh RZ,Jobin C

Phytochemicals, antioxidant, and antimicrobial activities of Opuntia stricta fruits peel.**Open veterinary journal** , Volume: 14 Issue: 10 2024 Oct

Authors Affi W,Mohamed AA,Gharsallah N,Smetanska I,Zourgui L

Timing Matters: Late, but Not Early, Exercise Training Ameliorates MASLD in Part by Modulating the Gut-Liver Axis in Mice.**Journal of pineal research** , Volume: 76 Issue: 8 2024 Dec

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

Investigating antibacterial and anti-inflammatory properties of synthetic curcuminoids.**Frontiers in medicine** , Volume: 11 2024

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

Gynostemma pentaphyllum saponins shield mice from peanut allergy by modulation of gut microbiota: A novel approach for peanut allergy management.**Phytomedicine : international journal of phytotherapy and phytopharmacology** , Volume: 135 2024 Sep 30

Authors Li X,Khan I,Han R,Huang G,Xia W,Yin L,Leong WK,Su L,Law BY,Wong VKW,Wu Q,Guo X,Hsiao WLW

Six months of different exercise type in sedentary primary schoolchildren: impact on physical fitness and saliva microbiota composition.**Frontiers in nutrition** , Volume: 11 2024

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

A Novel Synbiotic Protects Against DSS-Induced Colitis in Mice via Anti-inflammatory and Microbiota-Balancing Properties.**Probiotics and antimicrobial proteins** , 2024 Nov 7

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

Pediococcus pentosaceus RC007 and Saccharomyces boulardii RC009 as antibiotic alternatives for gut health in post-weaning pigs.

Journal of applied microbiology , 2024 Nov 5

Authors Parada J,Magnoli A,Poloni V,Isgro MC,Cavaglieri LR,Luna MJ,Carranza A,Cavaglieri L

Integrated Small Intestine Microbiota and Serum Metabolomics Reveal the Potential Mechanisms of Wine Steaming in Alleviating Rhubarb-Induced Diarrhea.

Journal of inflammation research , Volume: 17 2024

Authors Bai YY,Tian R,Qian Y,Zhang Q,Zhao CB,Yan YG,Zhang L,Yue SJ,Tang YP

Apple Polyphenol Extracts Attenuated Depressive-Like Behaviors of High-Sucrose Diet Feeding Mice by Farnesoid X Receptor-Mediated Modulation of Bile Acid Circulation within the Liver-Gut-Brain Axis.

Journal of agricultural and food chemistry , Volume: 72 Issue: 45 2024 Nov 13

Authors Xie Y,Shang S,Luan W,Ma J,Yang H,Qian Q,Wu Z,Li X

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

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

Current research in food science , Volume: 9 2024

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

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

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

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

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

The impact of Codonopsis Pilosulae and Astragalus Membranaceus extract on growth performance, immunity function, antioxidant capacity and intestinal development of weaned piglets.

Frontiers in veterinary science , Volume: 11 2024

Authors Guo R,Zhang H,Jiang C,Niu C,Chen B,Yuan Z,Wei Y,Hua Y

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

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

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

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

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

Probiotics and antimicrobial proteins , 2024 Oct 1

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

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

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

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

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

Microorganisms , Volume: 12 Issue: 9 2024 Sep 19

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

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

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

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

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

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

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

Journal of agricultural and food chemistry , 2024 Sep 23

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

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

A probiotic Limosilactobacillus fermentum GR-3 mitigates colitis-associated tumorigenesis in mice via modulating gut microbiome.

NPJ science of food , Volume: 8 Issue: 1 2024 Sep 6

Authors Zhou T,Wu J,Khan A,Hu T,Wang Y,Salama ES,Su S,Han H,Jin W,Li X

Bacillus licheniformis suppresses Clostridium perfringens infection via modulating inflammatory response, antioxidant status, inflammasome activation and microbial homeostasis in broilers.

Poultry science , Volume: 103 Issue: 11 2024 Aug 21

Authors Xiao X,Qin S,Cui T,Liu J,Wu Y,Zhong Y,Yang C

Effects of Physical Exercise on the Microbiota in Irritable Bowel Syndrome.

Nutrients , Volume: 16 Issue: 16 2024 Aug 11

Authors Li C,Li J,Zhou Q,Wang C,Hu J,Liu C

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

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

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

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

Epicatechin and β -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

Yeast mixture supplementation modulates faecal microbiota and ileum morphology of weaning pigs.

Animal : an international journal of animal bioscience , Volume: 18 Issue: 9 2024 Sep

Authors Sandrini S,Perricone V,Cremonesi P,Castiglioni B,Biscarini F,Verdile N,Brevini T,Comi M,Jiang X,Agazzi A

Efficacy of Limosilactobacillus fermentum in the management of vulvovaginal candidiasis: comparative analysis with topical miconazole in a single-blind randomized clinical trial.

Frontiers in microbiology , Volume: 15 2024

Authors Pane M,Chisari E

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

Probio-M9, a breast milk-originated probiotic, alleviates mastitis and enhances antibiotic efficacy: Insights into the gut-mammary axis.

iMeta , Volume: 3 Issue: 4 2024 Aug

Authors Yu J,Li W,Xu R,Liu X,Gao G,Kwok LY,Chen Y,Sun Z,Liu W,Zhang H

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

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

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

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

Postbiotics from *Saccharomyces cerevisiae* fermentation stabilize microbiota in rumen liquid digesta during grain-based subacute ruminal acidosis (SARA) in lactating dairy cows.

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

Authors Guo J,Zhang Z,Guan LL,Yoon I,Plaizier JC,Khafipour E

The double-layer emulsions loaded with bitter melon (*Momordica charantia* L.) seed oil protect against dextran sulfate sodium-induced ulcerative colitis in mice.

International journal of biological macromolecules , Volume: 278 Issue: Pt 1 2024 Oct

Authors Ma Y,Zhou W,Wang H,Wu M,Jiang S,Li Y,Ma C,Zhang R,He J

Effects of *Akkermansia muciniphila* on Gut Morphology, Antioxidant Indices, and Gut Microbiome of Mice Under Heat Stress.

Foodborne pathogens and disease , Volume: 21 Issue: 11 2024 Nov

Authors Luo C,Du Y,Zhu R,Qi Q,Luo S,Feng X

Hepatoprotective potential of four fruit extracts rich in different structural flavonoids against alcohol-induced liver injury via gut microbiota-liver axis.

Food chemistry , Volume: 460 Issue: Pt 2 2024 Dec 1

Authors Chen Y,Ma H,Liang J,Sun C,Wang D,Chen K,Zhao J,Ji S,Ma C,Ye X,Cao J,Wang Y,Sun C

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

The Contrasting Effects of Two Distinct Exercise Training Modalities on Exhaustive Exercise-Induced Muscle Damage in Mice May Be Associated with Alterations in the Gut Microbiota.

International journal of molecular sciences , Volume: 25 Issue: 14 2024 Jul 17

Authors Zhang Y,Wang C,Lang H,Yu H,Zhou M,Rao X,Zhang Q,Yi L,Zhu J,Mi 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

Mulberry polyphenols restored both small and large intestinal microflora in db/db mice, potentially alleviating type 2 diabetes.

Food & function , 2024 Jul 26

Authors Li F,Ming J

High-salt diet induces microbiome dysregulation, neuroinflammation and anxiety in the chronic period after mild repetitive closed head injury in adolescent mice.

Brain communications , Volume: 6 Issue: 4 2024

Authors Izzy S,Yahya T,Albastaki O,Cao T,Schwerdtfeger LA,Abou-El-Hassan H,Chopra K,Ekwudo MN,Kurdeikaite U,Verissimo IM,LeServe DS,Lanser TB,Aronchik M,Oliveira MG,Moreira T,Rezende RM,El Khoury J,Cox LM,Weiner HL,Zafonte R,Whalen MJ

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

Food & function , 2024 Jul 19

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

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

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

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

Lactobacillus rhamnosus NKU FL1-8 Isolated from Infant Feces Ameliorates the Alcoholic Liver Damage by Regulating the Gut Microbiota and Intestinal Barrier in C57BL/6J Mice.

Nutrients , Volume: 16 Issue: 13 2024 Jul 4

Authors Liu H,Fan D,Wang J,Wang Y,Li A,Wu S,Zhang B,Liu J,Wang S

The Effect of the Lactacaseibacillus paracasei BEPC22 and Lactiplantibacillus plantarum BLP53 Combination (BN-202M) on Body Fat Percentage Loss in Overweight Individuals: A Randomized, Double-Blind, Placebo-Controlled Study.

Nutrients , Volume: 16 Issue: 13 2024 Jun 23

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

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

Biopolymers , Volume: 115 Issue: 6 2024 Nov

Authors Khodaparast FK,Pirsa S,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

A neurotherapeutic approach with Lactacaseibacillus rhamnosus E9 on gut microbiota and intestinal barrier in MPTP-induced mouse model of Parkinson's disease.

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

Authors Aktas B,Aslim B,Ozdemir DA

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

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

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

Astragalus mongholicus Bunge and Curcuma aromatica Salisb. modulate gut microbiome and bile acid metabolism to inhibit colon cancer progression.

Frontiers in microbiology , Volume: 15 2024

Authors Wang X,Zhu B,Hua Y,Sun R,Tan X,Chang X,Tang D,Gu J

Prebiotic Potential of Goji Berry (Lycium barbarum) in Improving Intestinal Integrity and Inflammatory Profiles via Modification of the Gut Microbiota in High-Fat Diet-Fed Rats.

Journal of medicinal food , Volume: 27 Issue: 8 2024 Aug

Authors Jeong E,Eun S,Chae S,Lee S

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

Inclusion of Lactacaseibacillus paracasei NSMJ15 in broiler diets induces changes in jejunal immune cell population and cecal microbiota.

Animal bioscience , Volume: 37 Issue: 12 2024 Dec

Authors Yoon JH,Joo SS,An SH,Ban BC,Jung M,Je W,Jung JY,Kim M,Kong C

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

Nutrients , Volume: 16 Issue: 12 2024 Jun 14

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

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

Combinations of Cannabinoids with Silver Salts or Silver Nanoparticles for Synergistic Antibiotic Effects against Methicillin-Resistant Staphylococcus aureus.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 6 2024 May 22

Authors Jackson J,Shademani A,Dosanjh M,Dietrich C,Pryjma M,Lambert DM,Thompson CJ

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

Meat science , Volume: 216 2024 Oct

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

[3D printed scaffolds with quercetin and vitamin D3 nanocarriers: In vitro cellular evaluation.](#)

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

Authors Bose S,Chaudhari VS,Kushram P

[Gynostemma pentaphyllum Extract Alleviates NASH in Mice: Exploration of Inflammation and Gut Microbiota.](#)

Nutrients , Volume: 16 Issue: 11 2024 Jun 6

Authors Jiang FY,Yue SR,Tan YY,Tang N,Xu YS,Zhang BJ,Mao YJ,Xue ZS,Lu AP,Liu BC,Wang RR

[The Effect of Bifidobacterium animalis subsp. lactis MN-Gup on Glucose Metabolism, Gut Microbiota, and Their Metabolites in Type 2 Diabetic Mice.](#)

Nutrients , Volume: 16 Issue: 11 2024 May 29

Authors Zhang C,Fang B,Zhang N,Zhang Q,Niu T,Zhao L,Sun E,Wang J,Xiao R,He J,Li S,Chen J,Guo J,Xiong W,Wang R

[Comparison of the Effects of Essential Oils from Cannabis sativa and Cannabis indica on Selected Bacteria, Rumen Fermentation, and Methane Production-In Vitro Study.](#)

International journal of molecular sciences , Volume: 25 Issue: 11 2024 May 28

Authors Tabis A,Szumny A,Bania J,Pacyga K,Lewandowska K,Kupczynski R

[Lactacaseibacillus paracasei LC86 mitigates age-related muscle wasting and cognitive impairment in SAMP8 mice through gut microbiota modulation and the regulation of serum inflammatory factors.](#)

Frontiers in nutrition , Volume: 11 2024

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

[Akkermansia muciniphila isolated from forest musk deer ameliorates diarrhea in mice via modification of gut microbiota.](#)

Animal models and experimental medicine , 2024 Jun 3

Authors Deng Y,Wang Y,Liu Y,Yang X,Zhang H,Xue X,Wan Y

[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

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

Veterinary world , Volume: 17 Issue: 4 2024 Apr

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

[The impact of high-salt diet on asthma in humans and mice: Effect on specific T-cell signatures and microbiome.](#)

Allergy , Volume: 79 Issue: 7 2024 Jul

Authors Musiol S,Harris CP,Gschwendtner S,Burrell A,Amar Y,Schnautz B,Renisch D,Braun SC,Haak S,Schlöter M,Schmidt-Weber CB,Zielinski CE,Alessandrini F

[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

[Modulation of Gut Microbial Community and Metabolism by Bacillus licheniformis HD173 Promotes the Growth of Nursery Piglets Model.](#)

Nutrients , Volume: 16 Issue: 10 2024 May 15

Authors Li J,Tian C,Feng S,Cheng W,Tao S,Li C,Xiao Y,Wei H

[Exercise Affects Mucosa-Associated Microbiota and Colonic Tumor Formation Induced by Azoxymethane in High-Fat-Diet-Induced Obese Mice.](#)

Microorganisms , Volume: 12 Issue: 5 2024 May 9

Authors Yo S,Matsumoto H,Gu T,Sasahira M,Oosawa M,Handa O,Umegaki E,Shiotani A

[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

[Live and pasteurized Akkermansia muciniphila ameliorates diabetic cognitive impairment by modulating gut microbiota and metabolites in db/db mice.](#)

Experimental neurology , Volume: 378 2024 Aug

Authors Du Y,An Y,Song Y,Li N,Zheng J,Lu Y

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

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

Microbiological research , Volume: 285 2024 Aug

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

Mechanisms of epigallocatechin gallate (EGCG) in ameliorating hyperuricemia: insights into gut microbiota and intestinal function in a mouse model.

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

Authors Yu H,Lou Z,Wu T,Wan X,Huang H,Wu Y,Li B,Tu Y,He P,Liu J

Fermented Milk Containing Lactocaseibacillus rhamnosus SNU50430 Modulates Immune Responses and Gut Microbiota in Antibiotic-Treated Mice.

Journal of microbiology and biotechnology , Volume: 34 Issue: 6 2024 Jun 28

Authors Yoon S,Park S,Jung SE,Lee C,Kim WK,Choi ID,Ko G

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

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

Frontiers in physiology , Volume: 15 2024

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

Administering Lactiplantibacillus fermentum F6 decreases intestinal Akkermansia muciniphila in a dextran sulfate sodium-induced rat colitis model.

Food & function , 2024 May 10

Authors He Q,Zhang T,Zhang W,Feng C,Kwok LY,Zhang H,Sun Z

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

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

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

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

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

In Vitro Fermentation Shows Polyphenol and Fiber Blends Have an Additive Beneficial Effect on Gut Microbiota States.

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

Authors Whitman JA,Doherty LA,Pantoja-Feliciano de Goodfellow IG,Racicot K,Anderson DJ,Kensil K,Karl JP,Gibson GR,Soares JW

A Mix of Potentially Probiotic Limosilactobacillus fermentum Strains Alters the Gut Microbiota in a Dose- and Sex-Dependent Manner in Wistar Rats.

Microorganisms , Volume: 12 Issue: 4 2024 Mar 26

Authors Carneiro Dos Santos LA,Carvalho RDO,Cruz Neto JPR,de Albuquerque Lemos DE,de Oliveira KÁR,Sampaio KB,de Luna Freire MO,Aburjaile FF,Azevedo VAC,de Souza EL,de Brito Alves JL

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

Mulberry Leaf Dietary Supplementation Can Improve the Lipo-Nutritional Quality of Pork and Regulate Gut Microbiota in Pigs: A Comprehensive Multi-Omics Analysis.

Animals : an open access journal from MDPI , Volume: 14 Issue: 8 2024 Apr 19

Authors Hou J,Ji X,Chu X,Wang B,Sun K,Wei H,Zhang Y,Song Z,Wen F

The Water Extract of Rhubarb Prevents Ischemic Stroke by Regulating Gut Bacteria and Metabolic Pathways.

Metabolites , Volume: 14 Issue: 4 2024 Apr 12

Authors Liu X,Wang Y,Tian Y,Hu J,Liu Z,Ma Y,Xu W,Wang W,Gao J,Wang T

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

Antimicrobial, Probiotic, and Immunomodulatory Potential of Cannabis sativa Extract and Delivery Systems.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 4 2024 Apr 17

Authors Stasilowicz-Krzemien A,Szymanowska D,Szulc P,Cielecka-Piontek J

Functional evaluation of Bacillus licheniformis PF9 for its potential in controlling enterotoxigenic Escherichia coli in weaned piglets.

Translational animal science , Volume: 8 2024

Authors Xu H,Gong J,Lu P,Azevedo P,Li L,Yu H,Yang C

Cannabidiol (CBD) facilitates cocaine extinction and ameliorates cocaine-induced changes to the gut microbiome in male C57BL/6JArc mice.

Progress in neuro-psychopharmacology & biological psychiatry , Volume: 133 2024 Jul 13

Authors Chesworth R,Yim HC,Watt G,El-Omar E,Karl T

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

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

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

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

Probiotics and antimicrobial proteins , 2024 Apr 18

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

Efficacy of high-intensity interval and continuous endurance trainings on cecal microbiota metabolites and inflammatory factors in diabetic rats induced by high-fat diet.

PloS one , Volume: 19 Issue: 4 2024

Authors Solouki S,Gorgani-Firuzjaee S,Jafary H,Delfan M

Resveratrol Improves Hyperuricemia and Ameliorates Renal Injury by Modulating the Gut Microbiota.

Nutrients , Volume: 16 Issue: 7 2024 Apr 7

Authors Zhou Y,Zeng Y,Wang R,Pang J,Wang X,Pan Z,Jin Y,Chen Y,Yang Y,Ling W

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

Nutrients , Volume: 16 Issue: 7 2024 Apr 5

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

The Human Gut and Dietary Salt: The Bacteroides/Prevotella Ratio as a Potential Marker of Sodium Intake and Beyond.

Nutrients , Volume: 16 Issue: 7 2024 Mar 25

Authors Fagunwa O,Davies K,Bradbury J

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

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

Frontiers in microbiology , Volume: 15 2024

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

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

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

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

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

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

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

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

Dietary emulsifier polysorbate 80 exposure accelerates age-related cognitive decline.

Brain, behavior, and immunity , Volume: 119 2024 Jul

Authors Zhang L,Yin Z,Liu X,Jin G,Wang Y,He L,Li M,Pang X,Yan B,Jia Z,Ma J,Wei J,Cheng F,Li D,Wang L,Han Z,Liu Q,Chen F,Cao H,Lei P

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

Effects of Bifidobacterium animalis subsp. lactis IU100 on Immunomodulation and Gut Microbiota in Immunosuppressed Mice.

Microorganisms , Volume: 12 Issue: 3 2024 Feb 29

Authors Zhou L,Yin X,Fang B,He J,Zhan J,Zhang X,Wang R

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

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

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

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

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

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

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

Integrative cancer therapies , Volume: 23 2024 Jan-Dec

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

Impact of polyphenol-loaded edible starch nanomaterials on antioxidant capacity and gut microbiota.

International journal of biological macromolecules , Volume: 265 Issue: Pt 1 2024 Apr

Authors Lei W,Qi M,Tan P,Yang S,Fan L,Li H,Gao Z

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

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

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

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

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

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

Hypolipidemic effect and gut microbiota regulation of Gypenoside aglycones in rats fed a high-fat diet.

Journal of ethnopharmacology , Volume: 328 2024 Jun 28

Authors Xie J,Luo M,Chen Q,Zhang Q,Qin L,Wang Y,Zhao Y,He Y

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

Polyphenols Influence the Development of Endometrial Cancer by Modulating the Gut Microbiota.

Nutrients , Volume: 16 Issue: 5 2024 Feb 28

Authors Baranowska-Wójcik E,Winiarska-Mieczan A,Olcha P,Kwiecien M,Jachimowicz-Rogowska K,Nowakowski L,Miturski A,Galczyński K

Dynamics of Gut Microbiota and Short-Chain Fatty Acids during a Cycling Grand Tour Are Related to Exercise Performance and Modulated by Dietary Intake.

Nutrients , Volume: 16 Issue: 5 2024 Feb 27

Authors Fernandez-Sanjurjo M,Fernandez J,Martinez-Cambor P,Rodríguez-Alonso M,Ortolano-Rios R,Pinto-Hernandez P,Castilla-Silgado J,Coto-Vilcapoma A,Ruiz L,Villar CJ,Tomas-Zapico C,Margolles A,Fernandez-Garcia B,Iglesias-Gutierrez E,Lombó F

Supplementation with Astragalus Root Powder Promotes Rumen Microbiota Density and Metabolome Interactions in Lambs.

Animals : an open access journal from MDPI , Volume: 14 Issue: 5 2024 Mar 2

Authors Shao P,Sha Y,Liu X,He Y,Wang F,Hu J,Wang J,Li S,Chen X,Yang W,Chen Q,Gao M

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

Effects of the algae derivatives on performance, intestinal histomorphology, ileal microflora, and egg yolk biochemistry of laying Japanese quail.

Poultry science , Volume: 103 Issue: 5 2024 May

Authors Rahmatnejad E,Habibi H,Torshizi MAK,Seidavi A,Hosseini A

Correlation of Gut Microbiota with Children Obesity and Weight Loss.**Indian journal of microbiology** , Volume: 64 Issue: 1 2024 Mar

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

Lactobacillus paracasei ZFM54 alters the metabolomic profiles of yogurt and the co-fermented yogurt improves the gut microecology of human adults.**Journal of dairy science** , Volume: 107 Issue: 8 2024 Aug

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

The differential effect of two cereal foods on gut environment: a randomized, controlled, double-blind, parallel-group study.**Frontiers in nutrition** , Volume: 10 2023

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

Short term supplementation with cranberry extract modulates gut microbiota in human and displays a bifidogenic effect.**NPJ biofilms and microbiomes** , Volume: 10 Issue: 1 2024 Mar 6

Authors Lessard-Lord J,Roussel C,Lupien-Meilleur J,Généreux P,Richard V,Guay V,Roy D,Desjardins Y

Curcumin protects mice with myasthenia gravis by regulating the gut microbiota, short-chain fatty acids, and the Th17/Treg balance.**Heliyon** , Volume: 10 Issue: 4 2024 Feb 29

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

Synergistic activity of Limosilactobacillus reuteri KUB-AC5 and water-based plants against Salmonella challenge in a human in vitro gut model.**Scientific reports** , Volume: 14 Issue: 1 2024 Feb 27

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

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

Growth performance, lipid metabolism, and systemic immunity of weaned piglets were altered by buckwheat protein through the modulation of gut microbiota.**Molecular genetics and genomics : MGG** , Volume: 299 Issue: 1 2024 Feb 27

Authors Tu W,Nie W,Yao X,Zhang J,Zhang H,Di D,Li Z

Apple polyphenol extract ameliorates sugary-diet-induced depression-like behaviors in male C57BL/6 mice by inhibiting the inflammation of the gut-brain axis.**Food & function** , Volume: 15 Issue: 6 2024 Mar 18

Authors Xie Y,Wu Z,Qian Q,Yang H,Ma J,Luan W,Shang S,Li X

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

Schisandra chinensis Bee Pollen Ameliorates Colitis in Mice by Modulating Gut Microbiota and Regulating Treg/Th17 Balance.**Foods (Basel, Switzerland)** , Volume: 13 Issue: 4 2024 Feb 15

Authors Cheng N,Wang X,Zhou Y,Zhao X,Chen M,Zhao H,Cao W

Specific Antimicrobial Activities Revealed by Comparative Evaluation of Selected Gemmotherapy Extracts.**Antibiotics (Basel, Switzerland)** , Volume: 13 Issue: 2 2024 Feb 13

Authors Héjja M,Mihok E,Alaya A,Jolji M,György É,Meszaros N,Turcus V,Oláh NK,Máthé E

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

Bifidobacterium animalis subsp. lactis A6 attenuates hippocampal damage and memory impairments in an ADHD rat model.**Food & function** , Volume: 15 Issue: 5 2024 Mar 4

Authors Yin X,Liu W,Feng H,Huang J,Wang Q,Zhang Q,He J,Wang R

Dietary probiotic Lactocaseibacillus paracasei NSMJ56 modulates gut immunity and microbiota in laying hens.**Poultry science** , Volume: 103 Issue: 4 2024 Apr

Authors Kim YB,Park J,Lee HG,Song JY,Kim DH,Jeon W,Joo SS,Kim M,Jung JY,Kim M,Lee KW

Potential mechanisms underlying inhibition of xenograft lung cancer models by kaempferol: modulation of gut microbiota in activating immune cell function.**Journal of Cancer** , Volume: 15 Issue: 5 2024

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

Protective Effect of Probiotics against Pseudomonas aeruginosa Infection of Human Corneal Epithelial Cells.

International journal of molecular sciences , Volume: 25 Issue: 3 2024 Feb 1

Authors Paterniti I,Scuderi SA,Cambria L,Nostro A,Esposito E,Marino A

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

Therapeutic Evaluation of Bifidobacterium animalis subsp. lactis MH-02 as an Adjunctive Treatment in Patients with Reflux

Esophagitis: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 16 Issue: 3 2024 Jan 24

Authors Gan L,Wang Y,Huang S,Zheng L,Feng Q,Liu H,Liu P,Zhang K,Chen T,Fang N

Urolithin A production drives the effects of pomegranate on the gut microbial metabolism of bile acids and cholesterol in mild dyslipidaemic overweight and obese individuals.

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

Authors Cortés-Martín A,Iglesias-Aguirre CE,Marín A,Romo-Vaquero M,Vallejo F,Espín JC,Victoria Selma M

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

Veterinary research communications , 2024 Feb 7

Authors Strompfová 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,Onyeaghala 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

Temporal gut microbiota variability and association with dietary patterns: From the one-year observational Diet, Cancer, and Health - Next Generations MAX study.

The American journal of clinical nutrition , Volume: 119 Issue: 4 2024 Apr

Authors Rostgaard-Hansen AL,Esberg A,Dicksved J,Hansen T,Pelvé E,Brunius C,Halkjær J,Tjønneland A,Johansson I,Landberg R

Bifidobacterium animalis subsp. lactis F1-7 Alleviates Lipid Accumulation in Atherosclerotic Mice via Modulating Bile Acid Metabolites to Downregulate Intestinal FXR.

Journal of agricultural and food chemistry , Volume: 72 Issue: 5 2024 Feb 7

Authors Liang X,Zheng X,Wang P,Zhang H,Ma Y,Liang H,Zhang Z

Argan: Phytochemical profiling and evaluation of the antioxidant, hypoglycemic, and antibacterial properties of its fruit pulp extracts.

Heliyon , Volume: 10 Issue: 1 2024 Jan 15

Authors Alaoui A,Sahri N,Mahdi I,Fahsi N,El Herradi EH,Sobeh M

Curcumin Mitigates the High-Fat High-Sugar Diet-Induced Impairment of Spatial Memory, Hepatic Metabolism, and the Alteration of the Gut Microbiome in Alzheimer's Disease-Induced (3xTg-AD) Mice.

Nutrients , Volume: 16 Issue: 2 2024 Jan 12

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

Buds and Bugs: A Fascinating Tale of Gut Microbiota and Cannabis in the Fight against Cancer.

International journal of molecular sciences , Volume: 25 Issue: 2 2024 Jan 10

Authors Al-Khazaleh AK,Jaye K,Chang D,Münch GW,Bhuyan DJ

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

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

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

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

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

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

Lactic acid fermentation of goji berries (Lycium barbarum) prevents acute alcohol liver injury and modulates gut microbiota and metabolites in mice.

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

Authors Duan W,Zhou L,Ren Y,Liu F,Xue Y,Wang FZ,Lu R,Zhang XJ,Shi JS,Xu ZH,Geng Y

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

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

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

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

Microbial pathogenesis , Volume: 188 2024 Mar

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

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

Effects of aerobic exercise or Tai Chi Chuan interventions on problematic mobile phone use and the potential role of intestinal flora: A multi-arm randomized controlled trial.

Journal of psychiatric research , Volume: 170 2024 Feb

Authors Zhang K,Guo H,Zhang X,Yang H,Yuan G,Zhu Z,Lu X,Zhang J,Du J,Shi H,Jin G,Ren J,Hao J,Sun Y,Su P,Zhang Z

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

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

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

A Comparative Study of Chemical Profiling and Bioactivities between Thai and Foreign Hemp Seed Species (Cannabis sativa L.) Plus an In-Silico Investigation.

Foods (Basel, Switzerland) , Volume: 13 Issue: 1 2023 Dec 22

Authors Sangkanu S,Pitakbut T,Phoopha S,Khanansuk J,Chandarajoti K,Dej-Adisai S

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

Lactobacillus reuteri inhibits Staphylococcus aureus-induced mastitis by regulating oxytocin releasing and gut microbiota in mice.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 38 Issue: 2 2024 Jan 31

Authors He Z,Li W,Yuan W,He Y,Xu J,Yuan C,Zhao C,Zhang N,Fu Y,Hu X

Dietary nobiletin regulated cefuroxime- and levofloxacin-associated "gut microbiota-metabolism" imbalance and intestinal barrier dysfunction in mice.

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

Authors Zhan M,Yang X,Zhao C,Han Y,Xie P,Mo Z,Xiao J,Cao Y,Xiao H,Song M

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

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

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

A systematic review on the effects of exercise on gut microbial diversity, taxonomic composition, and microbial metabolites: identifying research gaps and future directions.

Frontiers in physiology , Volume: 14 2023

Authors Cullen JMA,Shahzad S,Dhillon J

Dietary novel alkaline protease from Bacillus licheniformis improves broiler meat nutritional value and modulates intestinal microbiota and metabolites.

Animal microbiome , Volume: 6 Issue: 1 2024 Jan 6

Authors Yi W,Liu Y,Fu S,Zhuo J,Wang J,Shan T

Spirulina platensis as a growth booster for broiler: Insights into their nutritional, molecular, immunohistopathological, and microbiota modulating effects.

BMC veterinary research , Volume: 20 Issue: 1 2024 Jan 5

Authors Abdelfatah SH,Yassin AM,Khattab MS,Abdel-Razek AS,Saad AH

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

Frontiers in microbiology , Volume: 14 2023

Authors Tu X, Ren H, Bu S

Chemoprofiling and antimicrobial activity of medicinal herbs used in the treatment of inflammatory bowel disease.

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

Authors Alshahrani A, Ali A, Abdelwahab SF

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 Dietary Limosilactobacillus fermentum and Lactocaseibacillus paracasei Supplementation on the Intestinal Stem Cell Proliferation, Immunity, and Ileal Microbiota of Broiler Chickens Challenged by Coccidia and Clostridium perfringens.

Animals : an open access journal from MDPI , Volume: 13 Issue: 24 2023 Dec 15

Authors Guo S, Tong W, Qi Y, Jiang M, Li P, Zhang Z, Hu Q, Song Z, Ding B

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

Mulberry leaf supplementation inhibits skatole deposition by regulating gut microbiota and upregulating liver cytochrome P450 1A1 expression in finishing pigs.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 16 2024 Mar

Authors Sun Y, Men X, Lin T, Deng B, Zhong S, Huo J, Qin K, Lv Z, Xu Z, Li Y

Bifidobacterium animalis subsp. lactis Probio-M8 alleviates abnormal behavior and regulates gut microbiota in a mouse model suffering from autism.

mSystems , Volume: 9 Issue: 1 2024 Jan 23

Authors Miao Z, Chen L, Zhang Y, Zhang J, Zhang H

Characterization of the probiotic properties of Lactocaseibacillus rhamnosus LR6 isolated from the vaginas of healthy Korean women against vaginal pathogens.

Frontiers in microbiology , Volume: 14 2023

Authors Chung Y, Kang SB, Son D, Lee JY, Chung MJ, Lim S

In silico design and mechanistic study of niosome-encapsulated curcumin against multidrug-resistant Staphylococcus aureus biofilms.

Frontiers in microbiology , Volume: 14 2023

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

Beneficial effects of GABA-producing potential probiotic Limosilactobacillus fermentum L18 of human origin on intestinal permeability and human gut microbiota.

Microbial cell factories , Volume: 22 Issue: 1 2023 Dec 12

Authors Kaur S, Sharma P, Mayer MJ, Neuert S, Narbad A, Kaur S

Ligilactobacillus Salivarius improve body growth and anti-oxidation capacity of broiler chickens via regulation of the microbiota-gut-brain axis.

BMC microbiology , Volume: 23 Issue: 1 2023 Dec 9

Authors Yang J, Wang J, Liu Z, Chen J, Jiang J, Zhao M, Gong D

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

The effects of 6 wk of resistance training on the gut microbiome and cardiometabolic health in young adults with overweight and obesity.

Journal of applied physiology (Bethesda, Md. : 1985) , Volume: 136 Issue: 2 2024 Feb 1

Authors Cullen JMA, Shahzad S, Kanaley JA, Ericsson AC, Dhillon J

Analysis of the antibacterial effects of turmeric on particular bacteria.

Medicine , Volume: 102 Issue: 48 2023 Dec 1

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

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

Microbiome research reports , Volume: 2 Issue: 1 2023

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

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

Frontiers in veterinary science , Volume: 10 2023

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

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

Prebiotic potential of green banana flour: impact on gut microbiota modulation and microbial metabolic activity in a murine model.

Frontiers in nutrition , Volume: 10 2023

Authors Baek GH,Kim YJ,Lee Y,Jung SC,Seo HW,Kim JS

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

Lactobacillus rhamnosus Attenuates Cisplatin-Induced Intestinal Mucositis in Mice via Modulating the Gut Microbiota and Improving Intestinal Inflammation.

Pathogens (Basel, Switzerland) , Volume: 12 Issue: 11 2023 Nov 11

Authors Alsholi DM,Yacoub GS,Rehman AU,Ullah H,Khan AI,Deng T,Siddiqui NZ,Alioui Y,Farooqui NA,Elkharti M,Li Y,Wang L,Xin Y

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

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

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

Effects of extracted oil of fermented Tartary buckwheat on lipid-lowering, inflammation modulation, and gut microbial regulation in mice.

Food & function , Volume: 14 Issue: 24 2023 Dec 11

Authors Yang X,Zhu A,Li X,He S,Zhu Y,Anyan W,Qin L,Zeng H

Effects of Walnut and Pumpkin on Selective Neuropenotypes of Autism Spectrum Disorders: A Case Study.

Nutrients , Volume: 15 Issue: 21 2023 Oct 27

Authors El-Ansary A,Al-Ayadhi L

Gut microbiota and metabolic modulation by supplementation of polysaccharide-producing *Bacillus licheniformis* from Tibetan Yaks: A comprehensive multi-omics analysis.

International journal of biological macromolecules , Volume: 254 Issue: Pt 2 2024 Jan

Authors Zeng Z,Quan C,Zhou S,Gong S,Iqbal M,Kulyar MF,Nawaz S,Li K,Li J

Assessing the effects of microencapsulated *Lactobacillus salivarius* and cowpea seed supplementation on broiler chicken growth and health status.

Frontiers in veterinary science , Volume: 10 2023

Authors Lefter NA,Gheorghe A,Habeanu M,Ciurescu G,Dumitru M,Untea AE,Vlaicu PA

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

Characterization and Assessment of Sheep-Origin Probiotic *Bacillus licheniformis* B63 Strain for Potential Use in Intestinal Health and Disease.

Probiotics and antimicrobial proteins , 2023 Oct 24

Authors Hou M,Lu Y,Ye M,Li N,Sun Y,Yao G,Wang J,Yin F,Peng Q,Jia S,Shi R,Wang X

Uncovering the promising role of grape pomace as a modulator of the gut microbiome: An in-depth review.

Heliyon , Volume: 9 Issue: 10 2023 Oct

Authors Sinrod AJG,Shah IM,Surek E,Barile D

Akkermansia muciniphila and its outer membrane protein Amuc_1100 prevent high-fat diet-induced nonalcoholic fatty liver disease in mice.

Biochemical and biophysical research communications , Volume: 684 2023 Dec 3

Authors Qu D,Chen M,Zhu H,Liu X,Cui Y,Zhou W,Zhang M

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

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

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

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

Journal of agricultural and food chemistry , 2023 Oct 19

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

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

Frontiers in microbiology , Volume: 14 2023

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

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

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

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

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

Butyrogenic, bifidogenic and slight anti-inflammatory effects of a green kiwifruit powder (Kiwi FFG®) in a human gastrointestinal model simulating mild constipation.

Food research international (Ottawa, Ont.) , Volume: 173 Issue: Pt 2 2023 Nov

Authors Goya-Jorge E,Bondue P,Gonza I,Laforêt F,Antoine C,Boutaleb S,Douny C,Scippo ML,de Ribaucourt JC,Crahay F,Delcenserie V

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

Journal of agricultural and food chemistry , 2023 Oct 6

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

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

Apple consumption affects cecal health by regulating 12S-hydroxy-5Z,8Z,10E,14Z-eicosatetraenoic acid (12(S)-HETE) levels through modifying the microbiota in rats.

Food & function , Volume: 14 Issue: 20 2023 Oct 16

Authors Wang C,Liu XL,Sun Q,Zhao FY,Dai PQ,Li LX,Hu DG

Gut microbial change after administration of Lactobacillus paracasei A0356 is associated with anti-obesity in a mouse model.

Frontiers in endocrinology , Volume: 14 2023

Authors Song EJ,Lee ES,Kim YI,Shin DU,Eom JE,Shin HS,Lee SY,Nam YD

Curcumin-sulfobutyl-ether beta cyclodextrin inclusion complex: preparation, spectral characterization, molecular modeling and antimicrobial activity.

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

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

Effect of Ginger Root Powder on Gastrointestinal Bacteria Composition, Gastrointestinal Symptoms, Mental Health, Fatigue, and Quality of Life: A Double-Blind Placebo-Controlled Trial.

The Journal of nutrition , Volume: 153 Issue: 11 2023 Nov

Authors Crichton M,Marshall S,Marx W,Isenring E,Vázquez-Campos X,Dawson SL,Lohning A

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

Resveratrol alleviates DSS-induced IBD in mice by regulating the intestinal microbiota-macrophage-arginine metabolism axis.

European journal of medical research , Volume: 28 Issue: 1 2023 Sep 2

Authors Xu X,Ocansey DKW,Pei B,Zhang Y,Wang N,Wang Z,Mao F

Fagopyrum tataricum ethanol extract ameliorates symptoms of hyperglycemia by regulating gut microbiota in type 2 diabetes mellitus mice.

Food & function , Volume: 14 Issue: 18 2023 Sep 19

Authors Ge X,Liu T,Chen Z,Zhang J,Yin X,Huang Z,Chen L,Zhao C,Shao R,Xu W

Dietary oregano aqueous extract improves growth performance and intestinal health of broilers through modulating gut microbial compositions.

Journal of animal science and biotechnology , Volume: 14 Issue: 1 2023 Sep 1

Authors Zhang F,Yang J,Zhan Q,Shi H,Li Y,Li D,Li Y,Yang X

Lactobacillus paracasei AH2 isolated from Chinese sourdough alleviated gluten-induced food allergy through modulating gut microbiota and promoting short-chain fatty acid accumulation in a BALB/c mouse model.

Journal of the science of food and agriculture , Volume: 104 Issue: 2 2024 Jan 30

Authors Chen C,Liu C,Mu K,Xue W

Bifidobacterium animalis subsp. lactis HN019 has antimicrobial activity against endodontic pathogens in vitro.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , 2023 Aug 26

Authors Araujo LDC,da Silva RAB,Silva CMPC,Salvador SLS,Messora MR,Furlaneto FAC,Mastrange MDA,Pucinelli CM,da Silva LAB

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

Effects of Dietary Supplementation with Mulberry Leaf Powder on the Growth Performance, Lipid Metabolism Parameters, Immunity Indicators, and Gut Microbiota of Dogs.

Metabolites , Volume: 13 Issue: 8 2023 Aug 4

Authors Yu A,Tang C,Wang S,Wang Y,Chen L,Li Z,Luo G,Zhong J,Fang Z,Wang Z,Lin S

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 brasleira 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,Pessôa HLF,Oliveira-Filho AA

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

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

Authors Latif AS,Saparbekova AA,Akhmedova ZR,Kaldybekova G,Daugaliyeva ST

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,Fahrenheit AC,Ferket PR,Nagabhushanam K,Fasina YO

Revealing the Potential Impacts of Nutraceuticals Formulated with Freeze-Dried Jaboticaba Peel and Limosilactobacillus fermentum Strains Candidates for Probiotic Use on Human Intestinal Microbiota.

Probiotics and antimicrobial proteins , Volume: 16 Issue: 5 2024 Oct

Authors da Silva JYP,do Nascimento HMA,de Albuquerque TMR,Sampaio KB,Dos Santos Lima M,Monteiro M,Leite IB,da Silva EF,do Nascimento YM,da Silva MS,Tavares JF,de Brito Alves JL,de Oliveira MEG,de Souza EL

Nobiletin protects against ferroptosis to alleviate sepsis-associated acute liver injury by modulating the gut microbiota.

Food & function , Volume: 14 Issue: 16 2023 Aug 14

Authors Huang W,Chen H,He Q,Xie W,Peng Z,Ma Q,Huang Q,Chen Z,Liu Y

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

Physiology & behavior , Volume: 270 2023 Oct 15

Authors Zhu Y,Zhu J,Song G

Lactobacillus rhamnosus GG ATCC53103 and Lactobacillus plantarum JLO1 improved nitrogen metabolism in weaned piglets by regulating the intestinal flora structure and portal vein metabolites.

Frontiers in microbiology , Volume: 14 2023

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

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

Bile Acids and Short-Chain Fatty Acids Are Modulated after Onion and Apple Consumption in Obese Zucker Rats.

Nutrients , Volume: 15 Issue: 13 2023 Jul 5

Authors Balderas C,de Ancos B,Sánchez-Moreno C

Manipulating Microbiota in Inflammatory Bowel Disease Treatment: Clinical and Natural Product Interventions Explored.

International journal of molecular sciences , Volume: 24 Issue: 13 2023 Jul 2

Authors Zhu M,Song Y,Xu Y,Xu H

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

Dietary bile acid supplementation in weaned piglets with intrauterine growth retardation improves colonic microbiota, metabolic activity, and epithelial function.

Journal of animal science and biotechnology , Volume: 14 Issue: 1 2023 Jul 13

Authors Liu Y,Azad MAK,Ding S,Zhu Q,Blachier F,Yu Z,Gao H,Kong X

Limosilactobacillus fermentum CECT5716: Clinical Potential of a Probiotic Strain Isolated from Human Milk.

Nutrients , Volume: 15 Issue: 9 2023 May 6

Authors Ozen M,Piloquet H,Schaubeck M

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

A multi-strain probiotic promoted recovery of puppies from gastroenteritis in a randomized, double-blind, placebo-controlled study.

The Canadian veterinary journal = La revue veterinaire canadienne , Volume: 64 Issue: 7 2023 Jul

Authors Molina RA,Villar MD,Miranda MH,Maldonado NC,Vignolo GM,Nader-Macías MEF

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

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

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

Effect of Probiotic Yogurt Supplementation(*Bifidobacterium animalis* ssp. *lactis* BB-12) on Gut Microbiota of Female Taekwondo Athletes and Its Relationship with Exercise-Related Psychological Fatigue.

Microorganisms , Volume: 11 Issue: 6 2023 May 26

Authors Zhu J,Zhu Y,Song G

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

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

Carbohydrate polymers , Volume: 316 2023 Sep 15

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

Structural characterization of slow digestion dextrin synthesized by a combination of α -glucosidase and cyclodextrin glucosyltransferase and its prebiotic potential on the gut microbiota in vitro.

Food chemistry , Volume: 426 2023 Nov 15

Authors Wei B,Wang L,Su L,Tao X,Chen S,Wu J,Xia W

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

Effects of exercise and physical activity on gut microbiota composition and function in older adults: a systematic review.

BMC geriatrics , Volume: 23 Issue: 1 2023 Jun 12

Authors Aya V,Jimenez P,Muñoz E,Ramírez JD

Modulation of Fat Deposition-Gut Interactions in Obese Mice by Adminstrating with Nobilentin.

Genes , Volume: 14 Issue: 5 2023 May 10

Authors Zhao C,Guo J,Du C,Xu Y

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

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

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

Comparison of the Effects of Enzymolysis Seaweed Powder and Saccharomyces boulardii on Intestinal Health and Microbiota Composition in Kittens.

Metabolites , Volume: 13 Issue: 5 2023 May 8

Authors Zhang M,Mo R,Li M,Qu Y,Wang H,Liu T,Liu P,Wu Y

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

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

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

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

Carbohydrate polymers , Volume: 313 2023 Aug 1

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

Astragalus polysaccharide ameliorated complex factor-induced chronic fatigue syndrome by modulating the gut microbiota and metabolites in mice.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 163 2023 May 9

Authors Wei X,Xin J,Chen W,Wang J,Lv Y,Wei Y,Li Z,Ding Q,Shen Y,Xu X,Zhang X,Zhang W,Zu X

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

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

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

Multi-Omics Reveals the Effects of Cannabidiol on Gut Microbiota and Metabolic Phenotypes.

Cannabis and cannabinoid research , Volume: 9 Issue: 3 2024 Jun

Authors He M,Liu A,Shi J,Xu YJ,Liu Y

Bacillus licheniformis reverses the environmental ceftriaxone sodium-induced gut microbial dysbiosis and intestinal inflammation in mice.

Ecotoxicology and environmental safety , Volume: 257 2023 Jun 1

Authors Zeng Z,Yue W,Kined C,Wang P,Liu R,Liu J,Chen X

Effect of dietary supplementation of Spirulina platensis powder on performance, some serum biochemistry, digestive enzymes, microbial content, antioxidant parameters and immune responses of growing Japanese quail.

Animal biotechnology , Volume: 34 Issue: 9 2023 Dec

Authors Abdel-Wahab AA,Elnesr SS,Ahmad EAM,Abdel-Kader IA

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

Frontiers in pharmacology , Volume: 14 2023

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

Impact of High Salt-Intake on a Natural Gut Ecosystem in Wildling Mice.

Nutrients , Volume: 15 Issue: 7 2023 Mar 23

Authors Cardilli A,Hamad I,Dyczko A,Thijs S,Vangronsveld J,Müller DN,Rosshart SP,Kleinewietfeld M

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

Effect of "macoog" TCM tea on improving glucolipid metabolism and gut microbiota in patients with type 2 diabetes in community.

Frontiers in endocrinology , Volume: 14 2023

Authors Hu B,Yin T,Zhang J,Liu M,Yun H,Wang J,Guo R,Huang J,Zhou Y,Meng H,Wang L

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

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

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

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

Dietary Bacillus licheniformis shapes the foregut microbiota, improving nutrient digestibility and intestinal health in broiler chickens.

Frontiers in microbiology , Volume: 14 2023

Authors Han Y, Xu X, Wang J, Cai H, Li D, Zhang H, Yang P, Meng K

Dietary Administration of Black Raspberries and Arsenic Exposure: Changes in the Gut Microbiota and Its Functional Metabolites.

Metabolites , Volume: 13 Issue: 2 2023 Jan 30

Authors Tu P, Tang Q, Mo Z, Niu H, Hu Y, Wu L, Chen Z, Wang X, Gao B

Dietary Supplementation with Probiotic Bacillus licheniformis S6 Improves Intestinal Integrity via Modulating Intestinal Barrier Function and Microbial Diversity in Weaned Piglets.

Biology , Volume: 12 Issue: 2 2023 Feb 2

Authors Sun W, Chen W, Meng K, Cai L, Li G, Li X, Jiang X

Efficacy of incremental loads of cow's milk as a treatment for lactose malabsorption in Japan.

World journal of clinical cases , Volume: 11 Issue: 4 2023 Feb 6

Authors Hasegawa M, Okada K, Nagata S, Sugihara S

Effects of kiwi fruit (Actinidia chinensis) polysaccharides on metabolites and gut microbiota of acrylamide-induced mice.

Frontiers in nutrition , Volume: 10 2023

Authors Chen M, Chen X, Wang K, Cai L, Liu N, Zhou D, Jia W, Gong P, Liu N, Sun Y

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 Firman J, Liu L, Mahalak K, Hu W, Bittinger K, Moustafa A, Jones SM, Narowe A, Tomasula P

Role of Gut Microbiota in Cannabinoid-Mediated Suppression of Inflammation.

Advances in drug and alcohol research , Volume: 2 2022

Authors Varsha KK, Nagarkatti M, Nagarkatti P

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

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 fluorouracil and curcumin.

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

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

Lactacisibacillus rhamnosus Hao9 exerts antidiabetic effects by regulating gut microbiome, glucagon metabolism, and insulin levels in type 2 diabetic mice.

Frontiers in nutrition , Volume: 9 2022

Authors Han M, Liao W, Dong Y, Bai C, Gai Z

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 Coferiu RL, Vintila C, Pribac M, Mare AD, Ciurea CN, Toganel RO, Cighir A, Simion A, Man A

Detection of typical indigenous gut bacteria related to turmeric (Curcuma longa) powder in mouse caecum and human faecal cultures.

Molecular biology reports , Volume: 50 Issue: 4 2023 Apr

Authors Xia Y, Lee G, Takei N, Takahashi H, Kuda T

Arthrospira platensis (Spirulina) fortified functional foods ameliorate iron and protein malnutrition by improving growth and modulating oxidative stress and gut microbiota in rats.

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

Authors Kumar R,Sharma V,Das S,Patil V,Srivatsan V

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

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

Authors Zanotto AW,Kanamaru 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

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

Poultry science , Volume: 102 Issue: 3 2023 Mar

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

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

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

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

Effects of a *Saccharomyces cerevisiae* fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.

Journal of animal science , 2022 Dec 27

Authors Oba PM,Carroll MQ,Sieja KM,Nogueira JPS,Yang X,Epp TY,Warzecha CM,Varney JL,Fowler JW,Coon CN,Swanson KS

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

Biomedical reports , Volume: 18 Issue: 1 2023 Jan

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

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

Psychiatry research , Volume: 319 2023 Jan

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

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

Life sciences , Volume: 314 2023 Feb 1

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

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

Nutrients , Volume: 14 Issue: 24 2022 Dec 10

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

Underlying beneficial effects of Rhubarb on constipation-induced inflammation, disorder of gut microbiome and metabolism.

Frontiers in pharmacology , Volume: 13 2022

Authors Gao H,He C,Hua R,Liang C,Wang B,Du Y,Xin S,Guo Y,Gao L,Zhang L,Shang H,Xu J

Cannabis sativa L. alleviates loperamide-induced constipation by modulating the composition of gut microbiota in mice.

Frontiers in pharmacology , Volume: 13 2022

Authors Li R,Li M,Li B,Chen WH,Liu Z

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

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

Nutrients , Volume: 14 Issue: 23 2022 Nov 22

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

Constipation Mitigation by Rhubarb Extract in Middle-Aged Adults Is Linked to Gut Microbiome Modulation: A Double-Blind Randomized Placebo-Controlled Trial.

International journal of molecular sciences , Volume: 23 Issue: 23 2022 Nov 24

Authors Neyrinck AM,Rodriguez J,Taminiau B,Herpin F,Cani PD,Daube G,Bindels LB,Delzenne NM

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

Microbiome , Volume: 10 Issue: 1 2022 Dec 2

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

Gut microbiota mediated hypoglycemic effect of Astragalus membranaceus polysaccharides in db/db mice.

Frontiers in pharmacology , Volume: 13 2022

Authors Song Q,Cheng SW,Li D,Cheng H,Lai YS,Han Q,Wu HY,Shaw PC,Zuo Z

Fagopyrum dibotrys extract alleviates hepatic steatosis and insulin resistance, and alters autophagy and gut microbiota diversity in mouse models of high-fat diet-induced non-alcoholic fatty liver disease.

Frontiers in nutrition , Volume: 9 2022

Authors Zhang D,Xu Y,Chen H,Wang D,Geng Z,Chen Y,Chen Y,Xiong D,Yang R,Liu X,Zhang Y,Xiang P,Ma L,Liu J

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

The effects of Saccharomyces boulardii on rat colonic hypermotility induced by repeated water avoidance stress and the potential mechanism.

PeerJ , Volume: 10 2022

Authors Liu J,Ren H,Yuan F,Shao M,Luo H

Polysaccharides from Pseudostellaria heterophylla modulate gut microbiota and alleviate syndrome of spleen deficiency in rats.

Scientific reports , Volume: 12 Issue: 1 2022 Nov 23

Authors Xiao Q,Zhao L,Jiang C,Zhu Y,Zhang J,Hu J,Wang G

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

Frontiers in nutrition , Volume: 9 2022

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

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

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

Lactobacillus rhamnosus TR08 Improves Dyslipidemia in Mice Fed with a High Fat Diet by Regulating the Intestinal Microbiota, Reducing Systemic Inflammatory Response, and Promoting Sphingolipid Metabolism.

Molecules (Basel, Switzerland) , Volume: 27 Issue: 21 2022 Oct 29

Authors Feng X,Ding L,Ma G,Zhang Y,Sun Y,Li Z,Tao X,Ali A,Wang D,Wu L

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

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

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

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

Effects of Proteases from Pineapple and Papaya on Protein Digestive Capacity and Gut Microbiota in Healthy C57BL/6 Mice

[and Dose-Manner Response on Mucosal Permeability in Human Reconstructed Intestinal 3D Tissue Model.](#)

Metabolites , Volume: 12 Issue: 11 2022 Oct 26

Authors Kostiuchenko O,Kravchenko N,Markus J,Burleigh S,Fedkiv O,Cao L,Letasiova S,Skibo G,Fåk Hållenius F,Prykhodko O
[Structural Insights into Amelioration Effects of Quercetin and Its Glycoside Derivatives on NAFLD in Mice by Modulating the Gut Microbiota and Host Metabolism.](#)

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

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

[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

[Bifidobacterium animalis Promotes the Growth of Weaning Piglets by Improving Intestinal Development, Enhancing Antioxidant Capacity, and Modulating Gut Microbiota.](#)

Applied and environmental microbiology , Volume: 88 Issue: 22 2022 Nov 22

Authors Pang J,Liu Y,Kang L,Ye H,Zang J,Wang J,Han D

[Lactacaseibacillus rhamnosus-Derived Exopolysaccharide Attenuates D-Galactose-Induced Oxidative Stress and Inflammatory Brain Injury and Modulates Gut Microbiota in a Mouse Model.](#)

Microorganisms , Volume: 10 Issue: 10 2022 Oct 17

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

[Probiotic effects of Lactacaseibacillus rhamnosus 1155 and Limosilactobacillus fermentum 2644 on hyperuricemic rats.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Li Y,Zhu J,Lin G,Gao K,Yu Y,Chen S,Chen L,Chen Z,Li L

[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

[Treadmill Exercise Modulates Intestinal Microbes and Suppresses LPS Displacement to Alleviate Neuroinflammation in the Brains of APP/PS1 Mice.](#)

Nutrients , Volume: 14 Issue: 19 2022 Oct 5

Authors Yuan S,Yang J,Jian Y,Lei Y,Yao S,Hu Z,Liu X,Tang C,Liu W

[Tartary Buckwheat \(Fagopyrum tataricum\) Ameliorates Lipid Metabolism Disorders and Gut Microbiota Dysbiosis in High-Fat Diet-Fed Mice.](#)

Foods (Basel, Switzerland) , Volume: 11 Issue: 19 2022 Sep 29

Authors Li A,Wang J,Wang Y,Zhang B,Chen Z,Zhu J,Wang X,Wang S

[Astragalus Polysaccharide Alleviates Constipation in the Elderly Via Modification of Gut Microbiota and Fecal Metabolism.](#)

Rejuvenation research , Volume: 25 Issue: 6 2022 Dec

Authors Liu X,Li M,Jian C,Wei F,Liu H,Li K,Qin X

[Evaluation of the Active Ingredient of Campsis radicans Essential Oils and its Antimicrobial Evaluation Against Pathogenic Bacteria.](#)

Current microbiology , Volume: 79 Issue: 11 2022 Oct 6

Authors Ramtin M,Sharifniya F,Larypoor M,Mirpour M,Zarrabi S

[Swimming exercise ameliorates depressive-like behavior by anti-inflammation activity, rebalancing gut Escherichia coli and Lactobacilli.](#)

Brain research , Volume: 1797 2022 Dec 15

Authors Ding Z,Du L

[Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.](#)

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 73 Issue: 2 2022 Apr

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

[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 HPβCD assisted host-guest interaction.](#)

Biomaterials advances , Volume: 141 2022 Oct

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

[Mulberry Anthocyanins Ameliorate DSS-Induced Ulcerative Colitis by Improving Intestinal Barrier Function and Modulating Gut Microbiota.](#)

Antioxidants (Basel, Switzerland) , Volume: 11 Issue: 9 2022 Aug 27

Authors Mo J, Ni J, Zhang M, Xu Y, Li Y, Karim N, Chen W

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

Gut Microbes Are Associated with the Vascular Beneficial Effects of Dietary Strawberry on Metabolic Syndrome-Induced Vascular Inflammation.

Molecular nutrition & food research , Volume: 66 Issue: 22 2022 Nov

Authors Miller JC, Satheesh Babu AK, Petersen C, Wankhade UD, Robeson MS 2nd, Putich MN, Mueller JE, O'Farrell AS, Cho JM, Chintapalli SV, Jalili T, Symons JD, Anandh Babu PV

Hypoglycemic effect of the polysaccharides from Astragalus membranaceus on type 2 diabetic mice based on the "gut microbiota-mucosal barrier".

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

Authors Chen X, Chen C, Fu X

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

Heliyon , Volume: 8 Issue: 9 2022 Sep

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

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

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

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

Reconfiguration of Gut Microbiota and Reprogramming of Liver Metabolism with Phycobiliproteins Bioactive Peptides to Rehabilitate Obese Rats.

Nutrients , Volume: 14 Issue: 17 2022 Sep 2

Authors Liu J, Zhen D, Hu C, Liu Y, Shen X, Fu P, He Y

Impact of Clarified Apple Juices with Different Processing Methods on Gut Microbiota and Metabolomics of Rats.

Nutrients , Volume: 14 Issue: 17 2022 Aug 25

Authors Xu L, Yang S, Wang K, Lu A, Wang X, Xu Z

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

Frontiers in nutrition , Volume: 9 2022

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

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

Frontiers in cellular and infection microbiology , Volume: 12 2022

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

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

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

Anticandidal and Antibiofilm Effect of Synbiotics including Probiotics and Inulin-Type Fructans.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 8 2022 Aug 21

Authors García-Gamboa R, Domínguez-Simi M, Gradilla-Hernández MS, Bravo J, Moya A, Ruiz-Álvarez B, González-Avila M

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

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

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

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

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

Gynostemma pentaphyllum polysaccharides ameliorate non-alcoholic steatohepatitis in mice associated with gut microbiota and the TLR2/NLRP3 pathway.

Frontiers in endocrinology , Volume: 13 2022

Authors Yue SR,Tan YY,Zhang L,Zhang BJ,Jiang FY, Ji G,Liu BC,Wang RR

On the effect of flavonoids and dietary fibre in lingonberries on atherosclerotic plaques, lipid profiles and gut microbiota composition in Apoe(-/-) mice.

International journal of food sciences and nutrition , Volume: 73 Issue: 8 2022 Dec

Authors Liu J,Hefni ME,Witthöft CM,Bergström M,Burleigh S,Nyman M,Hållénus F

Probiotic Lactobacillus rhamnosus GR-1 supplementation attenuates Pb-induced learning and memory deficits by reshaping the gut microbiota.

Frontiers in nutrition , Volume: 9 2022

Authors Gu X,Bi N,Wang T,Huang C,Wang R,Xu Y,Wang HL

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

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

Frontiers in nutrition , Volume: 9 2022

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

Kaempferia parviflora Rhizome Extract as Potential Anti-Acne Ingredient.

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

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

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

Microorganisms , Volume: 10 Issue: 7 2022 Jul 21

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

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

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

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

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

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

Authors Galgano M,Capozza P,Pellegrini F,Cordisco M,Sposato A,Sblano S,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

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

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

Pharmacological research , Volume: 182 2022 Aug

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

The combined impact of xylo-oligosaccharides and gamma-irradiated astragalus polysaccharides on the immune response, antioxidant capacity, and intestinal microbiota composition of broilers.

Poultry science , Volume: 101 Issue: 9 2022 Sep

Authors Wang Q,Wang XF,Xing T,Li JL,Zhu XD,Zhang L,Gao F

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

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

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

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

Identification of Nordic Berries with Beneficial Effects on Cognitive Outcomes and Gut Microbiota in High-Fat-Fed Middle-Aged C57BL/6J Mice.**Nutrients** , Volume: 14 Issue: 13 2022 Jun 30

Authors Huang F,Marungu N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållén FF,Heyman-Lindén L

Effects of Bacillus licheniformis on Growth Performance, Diarrhea Incidence, Antioxidant Capacity, Immune Function, and Fecal Microflora in Weaned Piglets.**Animals : an open access journal from MDPI** , Volume: 12 Issue: 13 2022 Jun 22

Authors Yu X,Cui Z,Qin S,Zhang R,Wu Y,Liu J,Yang C

Lactacaseibacillus rhamnosus LS8 Ameliorates Azoxymethane/ Dextran Sulfate Sodium-Induced Colitis-Associated Tumorigenesis in Mice via Regulating Gut Microbiota and Inhibiting Inflammation.**Probiotics and antimicrobial proteins** , Volume: 14 Issue: 5 2022 Oct

Authors Wang T,Zheng J,Dong S,Ismael M,Shan Y,Wang X,Lü X

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

Postbiotic heat-killed lactobacilli modulates on body weight associated with gut microbiota in a pig model.**AMB Express** , Volume: 12 Issue: 1 2022 Jun 29

Authors Ryu S,Kyoung H,Park KI,Oh S,Song M,Kim Y

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

Polyphenols and Polysaccharides from Morus alba L. Fruit Attenuate High-Fat Diet-Induced Metabolic Syndrome Modifying the Gut Microbiota and Metabolite Profile.**Foods (Basel, Switzerland)** , Volume: 11 Issue: 12 2022 Jun 20

Authors Wan M,Li Q,Lei Q,Zhou D,Wang S

The Effect of Polyphenol Extract from Rosa Roxburghii Fruit on Plasma Metabolome and Gut Microbiota in Type 2 Diabetic Mice.**Foods (Basel, Switzerland)** , Volume: 11 Issue: 12 2022 Jun 14

Authors Wang H,Chen Z,Wang M,Long M,Ren T,Chen C,Dai X,Yang S,Tan S

Comparative Palynological, Physicochemical, Antioxidant and Antibacterial Properties of Romanian Honey Varieties for Biomedical Applications.**Chemistry & biodiversity** , Volume: 19 Issue: 8 2022 Aug

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

Chemical Profile, Antibacterial and Antioxidant Potential of Zingiber officinale Roscoe and Elettaria cardamomum (L.) Maton Essential Oils and Extracts.**Plants (Basel, Switzerland)** , Volume: 11 Issue: 11 2022 May 31

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

Lactobacillus rhamnosus colonisation antagonizes Candida albicans by forcing metabolic adaptations that compromise pathogenicity.**Nature communications** , Volume: 13 Issue: 1 2022 Jun 9

Authors Alonso-Roman R,Last A,Mirhakkak MH,Sprague JL,Möller L,Großmann P,Graf K,Gratz R,Mogavero S,Vylkova

S,Panagiotou G,Schäuble S,Hube B,Gresnigt MS

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

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

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

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

Frontiers in nutrition , Volume: 9 2022

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

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

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

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

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

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

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

Non-starch polysaccharide-degrading enzymes may improve performance when included in wheat- but not maize-based diets fed to broiler chickens under subclinical necrotic enteritis challenge.

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

Authors Kim E,Moss AF,Morgan NK,Gharib-Naseri K,Ader P,Choct M

The Microbiome and Gut Endocannabinoid System in the Regulation of Stress Responses and Metabolism.

Frontiers in cellular neuroscience , Volume: 16 2022

Authors Srivastava RK,Lutz B,Ruiz de Azua I

Quercetin Reduces Inflammation and Protects Gut Microbiota in Broilers.

Molecules (Basel, Switzerland) , Volume: 27 Issue: 10 2022 May 19

Authors Sun L,Guo L,Xu G,Li Z,Appiah MO,Yang L,Lu W

Probiotics synergized with conventional regimen in managing Parkinson's disease.

NPJ Parkinson's disease , Volume: 8 Issue: 1 2022 May 24

Authors Sun H,Zhao F,Liu Y,Ma T,Jin H,Quan K,Leng B,Zhao J,Yuan X,Li Z,Li F,Kwok LY,Zhang S,Sun Z,Zhang J,Zhang H

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

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

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

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

Authors Shi H,Yang J,Li J

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

Frontiers in microbiology , Volume: 13 2022

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

Probiotic-fermented rice buckwheat alleviates high-fat diet-induced hyperlipidemia in mice by suppressing lipid accumulation and modulating gut microbiota.

Food research international (Ottawa, Ont.) , Volume: 155 2022 May

Authors Yan J,Xue Q,Chen W,Wang K,Peng D,Jiang J,Li P,Du B

Classification 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 J

Stewed Rhubarb Decoction Ameliorates Adenine-Induced Chronic Renal Failure in Mice by Regulating Gut Microbiota Dysbiosis.

Frontiers in pharmacology , Volume: 13 2022

Authors Wang R,Hu B,Ye C,Zhang Z,Yin M,Cao Q,Ba Y,Liu H

Lactobacillus paracasei 24 Attenuates Lipid Accumulation in High-Fat Diet-Induced Obese Mice by Regulating the Gut Microbiota.

Journal of agricultural and food chemistry , Volume: 70 Issue: 15 2022 Apr 20

Authors Liu Z,Zhou X,Wang W,Gu L,Hu C,Sun H,Xu C,Hou J,Jiang Z

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

Frontiers in nutrition , Volume: 9 2022

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

Spirulina platensis biomass enhances the proliferation rate of Lactobacillus acidophilus 5 (La-5) and combined with La-5 impact the gut microbiota of medium-age healthy individuals through an in vitro gut microbiome model.

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

Authors Barros de Medeiros VP,Salgaço MK,Pimentel TC,Rodrigues da Silva TC,Sartoratto A,Lima MDS,Sassi CFDC,Mesa V,Magnani M,Sivieri K

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

Biology , Volume: 11 Issue: 3 2022 Mar 21

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

Lactobacillus reuteri CCFM8631 Alleviates Hypercholesterolaemia Caused by the Paigen Atherogenic Diet by Regulating the Gut Microbiota.

Nutrients , Volume: 14 Issue: 6 2022 Mar 17

Authors Wang Q,He Y,Li X,Zhang T,Liang M,Wang G,Zhao J,Zhang H,Chen W

High-Salt Diet Induces Depletion of Lactic Acid-Producing Bacteria in Murine Gut.

Nutrients , Volume: 14 Issue: 6 2022 Mar 10

Authors Hamad I,Cardilli A,Côrte-Real BF,Dyczko A,Vangronsveld J,Kleinewietfeld M

Relationships 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 Z

Prebiotic properties of jiaogulan in the context of gut microbiome.

Food science & nutrition , Volume: 10 Issue: 3 2022 Mar

Authors Huang G,Yasir M,Zheng Y,Khan I

Lactulose 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 K

Uremia-Induced Gut Barrier Defect in 5/6 Nephrectomized Mice Is Worsened by Candida Administration through a Synergy of Uremic Toxin, Lipopolysaccharide, and (1?3)-β-D-Glucan, but Is Attenuated by Lactocaseibacillus rhamnosus L34.

International journal of molecular sciences , Volume: 23 Issue: 5 2022 Feb 24

Authors Tungsanga S,Panpetch W,Bhunyakarnjanarat T,Udompornpitak K,Katavetin P,Chanchaoenthana W,Chatthanathon P,Somboonna N,Tungsanga K,Tumwasorn S,Leelahavanichkul A

Effect of Dietary Bacillus licheniformis Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.

Frontiers in veterinary science , Volume: 9 2022

Authors Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z

Intestinal Microbiota Contributes to the Improvement of Alcoholic Hepatitis in Mice Treated With Schisandra chinensis Extract.

Frontiers in nutrition , Volume: 9 2022

Authors Xiang JY,Chi YY,Han JX,Shi X,Cai Y,Xiang H,Xie Q

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

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

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

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

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

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

Evaluation of a Zingiber officinale and Bixa orellana Supplement on the Gut Microbiota of Male Athletes: A Randomized Placebo-Controlled Trial.

Planta medica , Volume: 88 Issue: 13 2022 Oct

Authors Domínguez-Balmaseda D,Bressa C,Fernández-Romero A,de Lucas B,Pérez-Ruiz M,San Juan AF,Roller M,Issaly N,Larrosa M

Beneficial 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 Y

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

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

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

Gallic Acid Alleviates Gut Dysfunction and Boosts Immune and Antioxidant Activities in Puppies Under Environmental Stress Based on Microbiome-Metabolomics Analysis.

Frontiers in immunology , Volume: 12 2021

Authors Yang K,Deng X,Jian S,Zhang M,Wen C,Xin Z,Zhang L,Tong A,Ye S,Liao P,Xiao Z,He S,Zhang F,Deng J,Zhang L,Deng B

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

Frontiers in nutrition , Volume: 8 2021

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

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

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

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

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

Nutrients , Volume: 14 Issue: 1 2022 Jan 5

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

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

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

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

Adjunctive Probiotic Lactobacillus rhamnosus ProBio-M9 Administration Enhances the Effect of Anti-PD-1 Antitumor Therapy via Restoring Antibiotic-Disrupted Gut Microbiota.

Frontiers in immunology , Volume: 12 2021

Authors Gao G,Ma T,Zhang T,Jin H,Li Y,Kwok LY,Zhang H,Sun Z

Rhubarb Enema Decreases Circulating Trimethylamine N-Oxide Level and Improves Renal Fibrosis Accompanied With Gut Microbiota Change in Chronic Kidney Disease Rats.

Frontiers in pharmacology , Volume: 12 2021

Authors Ji C,Li Y,Mo Y,Lu Z,Lu F,Lin Q,Liu X,Zou C,Wu Y

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

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

Oxidative medicine and cellular longevity , Volume: 2021 2021

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

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

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

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

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

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

Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.

Frontiers in immunology , Volume: 12 2021

Authors Ding S,Jiang H,Fang J,Liu G

Multidimensional exploration of essential oils generated via eight oregano cultivars: Compositions, chemodiversities, and antibacterial capacities.

Food chemistry , Volume: 374 2022 Apr 16

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

Polydextrose with and without *Bifidobacterium animalis* ssp. *lactis* 420 drives the prevalence of *Akkermansia* and improves liver health in a multi-compartmental obesogenic mice study.

PloS one , Volume: 16 Issue: 12 2021

Authors Yde CC,Jensen HM,Christensen N,Servant F,Lelouvier B,Lahtinen S,Stenman LK,Airaksinen K,Kailanto HM

Lactobacillus rhamnosus Strain LRH05 Intervention Ameliorated Body Weight Gain and Adipose Inflammation via Modulating the Gut Microbiota in High-Fat Diet-Induced Obese Mice.

Molecular nutrition & food research , Volume: 66 Issue: 1 2022 Jan

Authors Chen YT,Chiou SY,Hsu AH,Lin YC,Lin JS

The anti-inflammatory effect of bacterial short chain fatty acids is partially mediated by endocannabinoids.

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

Authors Vijay A,Kouraki A,Gohir S,Turnbull J,Kelly A,Chapman V,Barrett DA,Bulsiewicz WJ,Valdes AM

Beneficial effect of whole-grain wheat on liver fat: a role for the gut microbiota?

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

Authors Gérard P

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

The Journal of nutritional biochemistry , 2021 Nov 5

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

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

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

Alleviation Effects of *Bifidobacterium animalis* subsp. *lactis* XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.

Microorganisms , Volume: 9 Issue: 10 2021 Oct 3

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

Lactobacillus rhamnosus ProBio-M9 Improves the Quality of Life in Stressed Adults by Gut Microbiota.

Foods (Basel, Switzerland) , Volume: 10 Issue: 10 2021 Oct 8

Authors Zheng Y,Yu Z,Zhang W,Sun T

Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces *Enterobacteriaceae* Family

Abundance and Elevates Propionate in a Bioreactor Model.**Frontiers in microbiology** , Volume: 12 2021

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

Influence of Diet on the Effect of the Probiotic Lactobacillus paracasei in Rats Suffering From Allergic Asthma.**Frontiers in microbiology** , Volume: 12 2021

Authors Xie A,Song J,Lu S,Liu Y,Tang L,Wen S

Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.**Microbiology spectrum** , 2021 Oct 6

Authors Liu A, Ma T,Xu N,Jin H,Zhao F,Kwok LY,Zhang H,Zhang S,Sun Z

Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.**Food research international (Ottawa, Ont.)** , Volume: 149 2021 Nov

Authors Marzorati M, Van den Abbeele P,Bubeck S,Bayne T,Krishnan K,Young A

Novel β -mannanase/GLP-1 fusion peptide high effectively ameliorates obesity in a mouse model by modifying balance of gut microbiota.**International journal of biological macromolecules** , Volume: 191 2021 Nov 30

Authors Wang Y,Ablimit N,Zhang Y,Li J,Wang X,Liu J,Miao T,Wu L,Wang H,Wang Z,Lou H,Jiang W

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

Supplementation of Kiwifruit Polyphenol Extract Attenuates High Fat Diet Induced Intestinal Barrier Damage and Inflammation via Reshaping Gut Microbiome.**Frontiers in nutrition** , Volume: 8 2021

Authors Yuan M,Chen X,Su T,Zhou Y,Sun X

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

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

Quercetin modulates the gut microbiota as well as the metabolome in a rat model of osteoarthritis.**Bioengineered** , Volume: 12 Issue: 1 2021 Dec

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

Eight-week exercise training in humans with obesity: Marked improvements in insulin sensitivity and modest changes in gut microbiome.**Obesity (Silver Spring, Md.)** , Volume: 29 Issue: 10 2021 Oct

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

Lactobacillus paracasei S16 Alleviates Lumbar Disc Herniation by Modulating Inflammation Response and Gut Microbiota.**Frontiers in nutrition** , Volume: 8 2021

Authors Wang Z,Wu H,Chen Y,Chen H,Wang X,Yuan W

Quercetin Ameliorates Insulin Resistance and Restores Gut Microbiome in Mice on High-Fat Diets.**Antioxidants (Basel, Switzerland)** , Volume: 10 Issue: 8 2021 Aug 5

Authors Tan Y,Tam CC,Rolston M,Alves P,Chen L,Meng S,Hong H,Chang SKC,Yokoyama W

A Water-Soluble Antibiotic in Rhubarb Stalk Shows an Unusual Pattern of Multiple Zones of Inhibition and Preferentially Kills Slow-Growing Bacteria.**Antibiotics (Basel, Switzerland)** , Volume: 10 Issue: 8 2021 Aug 6

Authors Bhattacharjee MK,Bommareddy PK,DePass AL

Spirulina platensis polysaccharides attenuate lipid and carbohydrate metabolism disorder in high-sucrose and high-fat diet-fed rats in association with intestinal microbiota.**Food research international (Ottawa, Ont.)** , Volume: 147 2021 Sep

Authors Li TT,Huang ZR,Jia RB,Lv XC,Zhao C,Liu B

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

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

Frontiers in immunology , Volume: 12 2021

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

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

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

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

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

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

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

Lactobacillus rhamnosus LRa05 Ameliorate Hyperglycemia through a Regulating Glucagon-Mediated Signaling Pathway and Gut Microbiota in Type 2 Diabetic Mice.

Journal of agricultural and food chemistry , Volume: 69 Issue: 31 2021 Aug 11

Authors Wu T,Zhang Y,Li W,Zhao Y,Long H,Muhindo EM,Liu R,Sui W,Li Q,Zhang M

Immunosuppressive activity is attenuated by Astragalus polysaccharides through remodeling the gut microenvironment in melanoma mice.

Cancer science , Volume: 112 Issue: 10 2021 Oct

Authors Ding G,Gong Q,Ma J,Liu X,Wang Y,Cheng X

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

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

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

Cranberry (Vaccinium macrocarpon) dietary supplementation and fecal microbiota of Wistar rats.

AIMS microbiology , Volume: 7 Issue: 2 2021

Authors Chettaoui R,Mayot G,De Almeida L,Di Martino P

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

Rumen microbiota and its relation to fermentation in lactose-fed calves.

Journal of dairy science , Volume: 104 Issue: 10 2021 Oct

Authors Koike S,Ueno M,Miura H,Saegusa A,Inouchi K,Inabu Y,Sugino T,Guan LL,Oba M,Kobayashi Y

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

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

Nutrients , Volume: 13 Issue: 7 2021 Jun 29

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

Perinatal High-Salt Diet Induces Gut Microbiota Dysbiosis, Bile Acid Homeostasis Disbalance, and NAFLD in Weanling Mice Offspring.

Nutrients , Volume: 13 Issue: 7 2021 Jun 22

Authors Guo Q,Tang Y,Li Y,Xu Z,Zhang D,Liu J,Wang X,Xia W,Xu S

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

Nrf2/ARE Activators Improve Memory in Aged Mice via Maintaining of Mitochondrial Quality Control of Brain and the Modulation of Gut Microbiome.

Pharmaceuticals (Basel, Switzerland) , Volume: 14 Issue: 7 2021 Jun 23

Authors Sadovnikova IS,Gureev AP,Ignatyeva DA,Gryaznova MV,Chernyshova EV,Krutsikh EP,Novikova AG,Popov VN

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

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

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

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

[Lactic acid production ability of *Lactobacillus* sp. from four tropical fruits using their by-products as carbon source.](#)

Heliyon , Volume: 7 Issue: 5 2021 May

Authors Ngouénam JR,Momo Kenfack CH,Foko Kouam EM,Kaktcham PM,Maharjan R,Ngoufack FZ

[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

[Lactobacillus paracasei modulates the gut microbiota and improves inflammation in type 2 diabetic rats.](#)

Food & function , 2021 Jun 11

Authors Zeng Z,Guo X,Zhang J,Yuan Q,Chen S

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

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

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

[Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.](#)

Nutrients , Volume: 13 Issue: 5 2021 May 20

Authors Milton-Laskibar I,Marcos-Zambrano LJ,Gómez-Zorita S,Fernández-Quintela A,Carrillo de Santa Pau E,Martínez JA,Portillo MP

[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

[Saccharomyces cerevisiae boulardii CNCM I-1079 supplementation in finishing male pigs helps to cope with heat stress through feeding behaviour and gut microbiota modulation.](#)

The British journal of nutrition , Volume: 127 Issue: 3 2022 Feb 14

Authors Labussière E,Achard C,Dubois S,Combes S,Castex M,Renaudeau D

[Probiotic-fermented black tartary buckwheat alleviates hyperlipidemia and gut microbiota dysbiosis in rats fed with a high-fat diet.](#)

Food & function , Volume: 12 Issue: 13 2021 Jul 5

Authors Ren Y,Wu S,Xia Y,Huang J,Ye J,Xuan Z,Li P,Du B

[Cannabinoids from inflorescences fractions of *Trema orientalis* \(L.\) Blume \(Cannabaceae\) against human pathogenic bacteria.](#)

PeerJ , Volume: 9 2021

Authors Napiroon T,Tanruean K,Poolprasert P,Bacher M,Balslev H,Poopath M,Santimaleeworagun W

[The influence of exercise training volume alterations on the gut microbiome in highly-trained middle-distance runners.](#)

European journal of sport science , 2021 May 26

Authors Craven J,Cox AJ,Bellinger P,Desbrow B,Irwin C,Buchan J,McCartney D,Sabapathy S

[Intensive, prolonged exercise seemingly causes gut dysbiosis in female endurance runners.](#)

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

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

[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

[Lactobacillus rhamnosus from human breast milk ameliorates ulcerative colitis in mice via gut microbiota modulation.](#)

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

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

[Effect of Fermented Products Produced by Bacillus licheniformis on the Growth Performance and Cecal Microbial Community of Broilers under Coccidial Challenge.](#)

Animals : an open access journal from MDPI , Volume: 11 Issue: 5 2021 Apr 26

Authors Cheng YH,Hong YB,Chen WJ,Hua KF,Dybus A,Yu YH

[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

[Bidirectional interaction of nobiletin and gut microbiota in mice fed with a high-fat diet.](#)

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

Authors Zhang M,Zhang X,Zhu J,Zhao DG,Ma YY,Li D,Ho CT,Huang Q

[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,Céspedes-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

[Preventive Effects of Bacillus licheniformis on Heat Stroke in Rats by Sustaining Intestinal Barrier Function and Modulating Gut Microbiota.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Li L,Wang M,Chen J,Xu Z,Wang S,Xia X,Liu D,Wang S,Xie C,Wu J,Li J,Zhang J,Wang M,Zhu J,Ling C,Xu S

[Modulation of the fecal microbiome and metabolome by resistant dextrin ameliorates hepatic steatosis and mitochondrial abnormalities in mice.](#)

Food & function , 2021 Apr 22

Authors Zhang Z,Chen X,Cui B

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

BioMed research international , Volume: 2021 2021

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

[Saccharomyces boulardii ameliorates gut dysbiosis associated cognitive decline.](#)

Physiology & behavior , Volume: 236 2021 Jul 1

Authors Roy Sarkar S,Mitra Mazumder P,Chatterjee K,Sarkar A,Adhikary M,Mukhopadhyay K,Banerjee S

[Lactocaseibacillus paracasei PS23 Effectively Modulates Gut Microbiota Composition and Improves Gastrointestinal Function in Aged SAMP8 Mice.](#)

Nutrients , Volume: 13 Issue: 4 2021 Mar 29

Authors Chen LH,Wang MF,Chang CC,Huang SY,Pan CH,Yeh YT,Huang CH,Chan CH,Huang HY

[Cloudy Apple Juice Fermented by Lactobacillus Prevents Obesity via Modulating Gut Microbiota and Protecting Intestinal Tract Health.](#)

Nutrients , Volume: 13 Issue: 3 2021 Mar 17

Authors Han M,Zhang M,Wang X,Bai X,Yue T,Gao Z

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

Nutrients , Volume: 13 Issue: 4 2021 Mar 27

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

[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

Limosilactobacillus reuteri and Lactocaseibacillus rhamnosus GG differentially affect gut microbes and metabolites in mice with Treg-deficiency.

American journal of physiology. Gastrointestinal and liver physiology , 2021 Mar 31

Authors Liu Y,Hoang TK,Taylor CM,Park ES,Freeborn J,Luo M,Roos S,Rhoads JM

Effects of Lactobacillus salivarius isolated from feces of fast-growing pigs on intestinal microbiota and morphology of suckling piglets.

Scientific reports , Volume: 11 Issue: 1 2021 Mar 24

Authors Moturi J,Kim KY,Hosseindoust A,Lee JH,Xuan B,Park J,Kim EB,Kim JS,Chae BJ

Mulberry leaf phenolics and fiber exert anti-obesity through the gut microbiota-host metabolism pathway.

Journal of food science , Volume: 86 Issue: 4 2021 Apr

Authors Liao S,Long X,Zou Y,Liu F,Li Q

Direct impact of commonly used dietary emulsifiers on human gut microbiota.

Microbiome , Volume: 9 Issue: 1 2021 Mar 22

Authors Naimi S,Viennois E,Gewirtz AT,Chassaing B

Maternal Emulsifier P80 Intake Induces Gut Dysbiosis in Offspring and Increases Their Susceptibility to Colitis in Adulthood.

mSystems , Volume: 6 Issue: 2 2021 Mar 16

Authors Jin G,Tang Q,Ma J,Liu X,Zhou B,Sun Y,Pang X,Guo Z,Xie R,Liu T,Wang B,Cao H

Beverages containing Lactobacillus paracasei LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites.

Journal of dairy science , 2021 Mar 10

Authors Sun E,Zhang X,Zhao Y,Li J,Sun J,Mu Z,Wang R

Effect of Blueberry Anthocyanin-Rich Extracts on Peripheral and Hippocampal Antioxidant Defensiveness: The Analysis of the Serum Fatty Acid Species and Gut Microbiota Profile.

Journal of agricultural and food chemistry , Volume: 69 Issue: 12 2021 Mar 31

Authors Si X,Bi J,Chen Q,Cui H,Bao Y,Tian J,Shu C,Wang Y,Tan H,Zhang W,Chen Y,Li B

Lactobacillus paracasei DTA81, a cholesterol-lowering strain having immunomodulatory activity, reveals gut microbiota regulation capability in BALB/c mice receiving high-fat diet.

Journal of applied microbiology , Volume: 131 Issue: 4 2021 Oct

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

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

Frontiers in microbiology , Volume: 11 2020

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

Gut Microbiota Bacterial Species Associated with Mediterranean Diet-Related Food Groups in a Northern Spanish Population.

Nutrients , Volume: 13 Issue: 2 2021 Feb 16

Authors Rosés C,Cuevas-Sierra A,Quintana S,Riezu-Boj JI,Martínez JA,Milagro FI,Barceló A

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

Tea polyphenols regulate gut microbiota dysbiosis induced by antibiotic in mice.

Food research international (Ottawa, Ont.) , Volume: 141 2021 Mar

Authors Li J,Chen C,Yang H,Yang X

Polysaccharides from fermented Momordica charantia L. with Lactobacillus plantarum NCU116 ameliorate metabolic disorders and gut microbiota change in obese rats.

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

Authors Wen JJ ,Li MZ ,Gao H ,Hu JL ,Nie QX ,Chen HH ,Zhang YL ,Xie MY ,Nie SP

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

Frontiers in cell and developmental biology , Volume: 9 2021

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

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

Frontiers in bioengineering and biotechnology , Volume: 9 2021

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

The 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

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

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

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

Effects of dietary oregano essential oil supplementation on growth performance, intestinal antioxidative capacity, immunity, and intestinal microbiota in yellow-feathered chickens.

Journal of animal science , Volume: 99 Issue: 2 2021 Feb 1

Authors Ruan D,Fan Q,Fouad AM,Sun Y,Huang S,Wu A,Lin C,Kuang Z,Zhang C,Jiang S

Lactobacillus fermentum CECT5716 ameliorates high fat diet-induced obesity in mice through modulation of gut microbiota dysbiosis.

Pharmacological research , 2021 Jan 30

Authors Molina-Tijeras JA,Diez-Echave P,Vezza T,Hidalgo-García L,Ruiz-Malagón AJ,Rodríguez-Sojo MJ,Romero M,Robles-Vera I,García F,Plaza-Díaz J,Oliveras M,Duarte J,Rodríguez-Cabezas ME,Rodríguez-Nogales A,Gálvez J

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

Wheat-durum pasta added of inactivated Bifidobacterium animalis decreases glucose and total cholesterol levels and modulates gut microbiota in healthy rats.

International journal of food sciences and nutrition , Volume: 72 Issue: 6 2021 Sep

Authors Almada CN,Almada-Érix CN,Costa WKA,Graça JS,Cabral L,Noronha MF,Gonçalves AESS,Santos AD,Lollo PC,Magnani M,Sant'Ana AS

Effect of dietary inclusion of dried apple pomace on faecal butyrate concentration and modulation of gut microbiota in dogs.

Archives of animal nutrition , Volume: 75 Issue: 1 2021 Feb

Authors de Brito CBM,Menezes Souza CM,Bastos TS,Mesa D,Oliveira SG,Félix AP

A pilot study on the relationship between Lactobacillus, Bifidobacterium counts and inflammatory factors following exercise training.

Archives of physiology and biochemistry , Volume: 129 Issue: 3 2023 Jun

Authors Mahdih MS,Maryam J,Bita B,Neda F,Motahare M,Mahboobeh B,LeBris S Q,Kalani Behrooz S

California strawberry consumption increased the abundance of gut microorganisms related to lean body weight, health and longevity in healthy subjects.

Nutrition research (New York, N.Y.) , Volume: 85 2021 Jan

Authors Ezzat-Zadeh Z,Henning SM,Yang J,Woo SL,Lee RP,Huang J,Thames G,Gilbuena I,Tseng CH,Heber D,Li Z

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

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

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

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

Frontiers in microbiology , Volume: 11 2020

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

Blueberry and cranberry anthocyanin extracts reduce bodyweight and modulate gut microbiota in C57BL/6 J mice fed with a high-fat diet.

European journal of nutrition , 2021 Jan 3

Authors Liu J,Hao W,He Z,Kwek E,Zhu H,Ma N,Ma KY,Chen ZY

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

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

Microbiota populations and short-chain fatty acids production in cecum of immunosuppressed broilers consuming diets containing ?-irradiated Astragalus polysaccharides.

Poultry science , Volume: 100 Issue: 1 2021 Jan

Authors Liu YS,Li S,Wang XF,Xing T,Li JL,Zhu XD,Zhang L,Gao F

Exopolysaccharide Producing Bifidobacterium animalis subsp. lactis Strains Modify the Intestinal Microbiota and the Plasmatic Cytokine Levels of BALB/c Mice According to the Type of Polymer Synthesized.

Frontiers in microbiology , Volume: 11 2020

Authors Sabater C,Moliner-García N,Castro-Bravo N,Diez-Echave P,Hidalgo-García L,Delgado S,Sánchez B,Gálvez J,Margolles A,Ruas-Madiedo P

Probiotic Lactobacillus fermentum strain JDFM216 improves cognitive behavior and modulates immune response with gut microbiota.

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

Authors Park MR,Shin M,Mun D,Jeong SY,Jeong DY,Song M,Ko G,Unno T,Kim Y,Oh S

Cow, Goat, and Mare Milk Diets Differentially Modulated the Immune System and Gut Microbiota of Mice Colonized by Healthy Infant Feces.

Journal of agricultural and food chemistry , Volume: 68 Issue: 51 2020 Dec 23

Authors Li N,Xie Q,Chen Q,Evivie SE,Liu D,Dong J,Huo G,Li B

Administration of Saccharomyces boulardii maffio-1701 improves feed conversion ratio, promotes antioxidant capacity, alleviates intestinal inflammation and modulates gut microbiota in weaned piglets.

Journal of animal science and biotechnology , Volume: 11 Issue: 1 2020 Dec 4

Authors Zhang W,Bao C,Wang J,Zang J,Cao Y

Lycium barbarum polysaccharide attenuates myocardial injury in high-fat diet-fed mice through manipulating the gut microbiome and fecal metabolome.

Food research international (Ottawa, Ont.) , Volume: 138 Issue: Pt B 2020 Dec

Authors Zhang Z,Liu H,Yu B,Tao H,Li J,Wu Z,Liu G,Yuan C,Guo L,Cui B

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

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

European journal of nutrition , 2020 Nov 22

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

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

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

Authors van Trijp MPH,Schutte S,Esser D,Wopereis S,Hoevenaars FPM,Hooiveld GJEJ,Afman LA

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

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

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

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

The Effect of Bacillus licheniformis-Fermented Products and Postpartum Dysgalactia Syndrome on Litter Performance Traits, Milk Composition, and Fecal Microbiota in Sows.

Animals : an open access journal from MDPI , Volume: 10 Issue: 11 2020 Nov 5

Authors Yu YH,Hsu TY,Chen WJ,Hong YB,Cheng YH

[Influence of Lactobacillus reuteri SL001 on intestinal microbiota in AD model mice and C57BL/6 mice].

Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 36 Issue: 9 2020 Sep 25

Authors Liu M,Hu R,Guo Y,Sun W,Li J,Fan M,Wang Y,Du H,Tang Z,Chai C

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

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

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

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

1-Deoxynojirimycin from mulberry leaves changes gut digestion and microbiota composition in geese.

Poultry science , Volume: 99 Issue: 11 2020 Nov

Authors Hou Q,Qian Z,Wu P,Shen M,Li L,Zhao W

Distinct Effects of Milks From Various Animal Types on Infant Fecal Microbiota Through in vitro Fermentations.**Frontiers in microbiology** , Volume: 11 2020

Authors Li N,Li B,Guan J,Shi J,Evivie SE,Zhao L,Huo G,Wang S

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

Rhubarb Supplementation Prevents Diet-Induced Obesity and Diabetes in Association with Increased Akkermansia muciniphila in Mice.**Nutrients** , Volume: 12 Issue: 10 2020 Sep 24

Authors Régnier M,Rastelli M,Morissette A,Suriano F,Le Roy T,Pilon G,Delzenne NM,Marette A, Van Hul M,Cani PD

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

Berry Polyphenols and Fibers Modulate Distinct Microbial Metabolic Functions and Gut Microbiota Enterotype-Like Clustering in Obese Mice.**Frontiers in microbiology** , Volume: 11 2020

Authors Rodríguez-Daza MC,Roquim M,Dudonné S,Pilon G,Levy E,Marette A,Roy D,Desjardins Y

Feasibility and effects on the gut microbiota of a 12-week high-intensity interval training plus lifestyle education intervention on inactive adults with celiac disease.**Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme** , Volume: 46

Issue: 4 2021 Apr

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

Anti-Biofilm Activity of Cell-Free Supernatant of Saccharomyces cerevisiae against Staphylococcus aureus.**Journal of microbiology and biotechnology** , Volume: 30 Issue: 12 2020 Dec 28

Authors Kim YJ,Yu HH,Park YJ, Lee NK,Paik HD

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

Lactobacillus fermentum CQPC06 in naturally fermented pickles prevents non-alcoholic fatty liver disease by stabilizing the gut-liver axis in mice.**Food & function** , Volume: 11 Issue: 10 2020 Oct 21

Authors Mu J,Tan F,Zhou X,Zhao X

Exercise Preconditioning Attenuates the Response to Experimental Colitis and Modifies Composition of Gut Microbiota in Wild-Type Mice.**Life (Basel, Switzerland)** , Volume: 10 Issue: 9 2020 Sep 14

Authors Cho J,Kim D,Kang H

Modifications of Gut Microbiota after Grape Pomace Supplementation in Subjects at Cardiometabolic Risk: A Randomized Cross-Over Controlled Clinical Trial.**Foods (Basel, Switzerland)** , Volume: 9 Issue: 9 2020 Sep 11

Authors Ramos-Romero S,Martínez-Maqueda D,Hereu M,Amézqueta S,Torres JL,Pérez-Jiménez J

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

Valorisation of black mulberry and grape seeds: Chemical characterization and bioactive potential.**Food chemistry** , Volume: 337 2021 Feb 1

Authors Gómez-Mejía E,Roriz CL,Heleno SA,Calhella R,Dias MI,Pinela J,Rosales-Conrado N,León-González ME,Ferreira ICFR,Barros L

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

Beneficial Regulatory Effects of Polymethoxyflavone-Rich Fraction from Ougan (Citrus reticulata cv. Suavissima) Fruit on Gut Microbiota and Identification of Its Intestinal Metabolites in Mice.

Antioxidants (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 6

Authors Chen J,Wang Y,Zhu T,Yang S,Cao J,Li X,Wang LS,Sun C

Micronized curcumin fabricated by supercritical CO₂ 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

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

What we already know about rhubarb: a comprehensive review.

Chinese medicine , Volume: 15 2020

Authors Xiang H,Zuo J,Guo F,Dong D

Rhubarb Enema Improved Colon Mucosal Barrier Injury in 5/6 Nephrectomy Rats May Associate With Gut Microbiota Modification.

Frontiers in pharmacology , Volume: 11 2020

Authors Ji C,Deng Y,Yang A,Lu Z,Chen Y,Liu X,Han L,Zou C

Rapid Antibacterial Activity of Cannabichromenic Acid against Methicillin-Resistant Staphylococcus aureus.

Antibiotics (Basel, Switzerland) , Volume: 9 Issue: 8 2020 Aug 16

Authors Galletta M,Reekie TA,Nagalingam G,Bottomley AL,Harry EJ,Kassiou M,Triccas JA

An appraisal of the gut health modulatory effects of a calf faecal-origin probiotic Lactobacillus salivarius CPN60 using Wistar rats with dextran sulfate sodium-induced colitis.

Journal of the science of food and agriculture , Volume: 101 Issue: 4 2021 Mar 15

Authors Gupta M,Pattanaik AK,Singh A,Sharma S,Jadhav SE

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

Nutrients , Volume: 12 Issue: 8 2020 Aug 12

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

Combined Use of Bacillus subtilis yb-114,246 and Bacillus licheniformis yb-214,245 Improves Body Growth Performance of Chinese Huainan Partridge Shank Chickens by Enhancing Intestinal Digestive Profiles.

Probiotics and antimicrobial proteins , Volume: 13 Issue: 2 2021 Apr

Authors Yang J,Huang K,Wang J,Wu D,Liu Z,Yu P,Wei Z,Chen F

Nuts and their Effect on Gut Microbiota, Gut Function and Symptoms in Adults: A Systematic Review and Meta-Analysis of Randomised Controlled Trials.

Nutrients , Volume: 12 Issue: 8 2020 Aug 6

Authors Creedon AC,Hung ES,Berry SE,Whelan K

Schisandra chinensis ameliorates depressive-like behaviors by regulating microbiota-gut-brain axis via its anti-inflammation activity.

Phytotherapy research : PTR , 2020 Aug 5

Authors Yan T,Wang N,Liu B,Wu B,Xiao F,He B,Jia Y

High Salt Elicits Brain Inflammation and Cognitive Dysfunction, Accompanied by Alterations in the Gut Microbiota and Decreased SCFA Production.

Journal of Alzheimer`s disease : JAD , 2020 Jul 25

Authors Hu L,Zhu S,Peng X,Li K,Peng W,Zhong Y,Kang C,Cao X,Liu Z,Zhao B

Regulation of tartary buckwheat-resistant starch on intestinal microflora in mice fed with high-fat diet.

Food science & nutrition , Volume: 8 Issue: 7 2020 Jul

Authors Zhou Y,Wei Y,Yan B,Zhao S,Zhou X

The effect of nut consumption (tree nuts and peanuts) on the gut microbiota of humans: a systematic review.

The British journal of nutrition , Volume: 125 Issue: 5 2021 Mar 14

Authors Fitzgerald E,Lambert K,Stanford J,Neale EP

Curcumin, a Natural Antimicrobial Agent with Strain-Specific Activity.

Pharmaceuticals (Basel, Switzerland) , Volume: 13 Issue: 7 2020 Jul 16

Authors Adamczak A,Ozarowski M,Karpinski TM

Long-term Consumption of 2-O-?-D-Glucopyranosyl-L-ascorbic Acid from the Fruits of Lycium barbarum Modulates Gut Microbiota in C57BL/6 Mice.

Journal of agricultural and food chemistry , 2020 Jul 24

Authors Dong W,Huang K,Yan Y,Wan P,Peng Y,Zeng X,Cao Y

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

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

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

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

Sex-Specific Differences in the Gut Microbiome in Response to Dietary Fiber Supplementation in IL-10-Deficient Mice.

Nutrients , Volume: 12 Issue: 7 2020 Jul 15

Authors Zhang Z,Hyun JE,Thiesen A,Park H,Hotte N,Watanabe H,Higashiyama T,Madsen KL

Effects of banana powder (*Musa acuminata* Colla) on the composition of human fecal microbiota and metabolic output using in vitro fermentation.

Journal of food science , Volume: 85 Issue: 8 2020 Aug

Authors Tian DD,Xu XQ,Peng Q,Zhang YW,Zhang PB,Qiao Y,Shi B

Lactobacillus salivarius LI01 encapsulated in alginate-pectin microgels ameliorates D-galactosamine-induced acute liver injury in rats.

Applied microbiology and biotechnology , Volume: 104 Issue: 17 2020 Sep

Authors Zhuge A,Li B,Yuan Y,Lv L,Li Y,Wu J,Yang L,Bian X,Wang K,Wang Q,Yan R,Zhu X,Li L

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

Journal of food biochemistry , 2020 Jul 14

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

Protective effect of *Lactobacillus salivarius* LI01 on thioacetamide-induced acute liver injury and hyperammonaemia.

Microbial biotechnology , Volume: 13 Issue: 6 2020 Nov

Authors Yang L,Bian X,Wu W,Lv L,Li Y,Ye J,Jiang X,Wang Q,Shi D,Fang D,Wu J,Wang K,Wang Q,Xia J,Xie J,Lu Y,Li L

Exercise training modulates the gut microbiota profile and impairs inflammatory signaling pathways in obese children.

Experimental & molecular medicine , Volume: 52 Issue: 7 2020 Jul

Authors Quiroga R,Nistal E,Estébanez B,Porrás D,Juárez-Fernández M,Martínez-Flórez S,García-Mediavilla MV,de Paz

JA,González-Gallego J,Sánchez-Campos S,Cuevas MJ

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 pneumoniae*].

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

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

Protective mechanism of rhubarb anthraquinone glycosides in rats with cerebral ischaemia-reperfusion injury: interactions between medicine and intestinal flora.

Chinese medicine , Volume: 15 2020

Authors Li Q,Guo Y,Yu X,Liu W,Zhou L

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

Biomolecules , Volume: 10 Issue: 6 2020 Jun 4

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

Oral Supplements of Combined Bacillus licheniformis Zhengchangsheng® and Xylooligosaccharides Improve High-Fat Diet-Induced Obesity and Modulate the Gut Microbiota in Rats.

BioMed research international , Volume: 2020 2020

Authors Li Y,Liu M,Liu H,Wei X,Su X,Li M,Yuan J

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

Resistant dextrin improves high-fat-high-fructose diet induced insulin resistance.

Nutrition & metabolism , Volume: 17 2020

Authors Hu F,Niu Y,Xu X,Hu Q,Su Q,Zhang 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

Potential Probiotic or Trigger of Gut Inflammation - The Janus-Faced Nature of Cannabidiol-Rich Cannabis Extract.

Journal of dietary supplements , Volume: 17 Issue: 5 2020

Authors Skinner CM,Nookaew I,Ewing LE,Wongsurawat T,Jenjaroenpun P,Quick CM,Yee EU,Piccolo BD,ElSohly M,Walker LA,Gurley B,Koturbash I

Lactobacillus fermentum V3 ameliorates colitis-associated tumorigenesis by modulating the gut microbiome.

American journal of cancer research , Volume: 10 Issue: 4 2020

Authors Chou YC,Ho PY,Chen WJ,Wu SH,Pan MH

Preventive Effects of Kaempferol on High-Fat Diet-Induced Obesity Complications in C57BL/6 Mice.

BioMed research international , Volume: 2020 2020

Authors Wang T,Wu Q,Zhao T

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

Lactobacillus reuteri attenuated allergic inflammation induced by HDM in the mouse and modulated gut microbes.

PloS one , Volume: 15 Issue: 4 2020

Authors Li L,Fang Z,Liu X,Hu W,Lu W,Lee YK,Zhao J,Zhang H,Chen W

Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.

International journal of food sciences and nutrition , Volume: 71 Issue: 8 2020 Dec

Authors Chen K,Zhao H,Shu L,Xing H,Wang C,Lu C,Song G

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

Consumption of two whole kiwifruit (Actinide chinensis) per day improves lipid homeostasis, fatty acid metabolism and gut microbiota in healthy rats.

International journal of biological macromolecules , Volume: 156 2020 Apr 9

Authors Alim A,Li T,Nisar T,Ren D,Liu Y,Yang X

Grape Extract Activates Brown Adipose Tissue Through Pathway Involving the Regulation of Gut Microbiota and Bile Acid.

Molecular nutrition & food research , 2020 Apr 5

Authors Han X,Guo J,Yin M,Liu Y,You Y,Zhan J,Huang W

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

Bifidobacterium animalis subsp. lactis 420 for Metabolic Health: Review of the Research.

Nutrients , Volume: 12 Issue: 4 2020 Mar 25

Authors Uusitupa HM,Rasinkangas P,Lehtinen MJ,Mäkelä SM,Airaksinen K,Angenius H,Ouwehand AC,Maukonen 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

[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

[Effect of Saccharomyces boulardii CNCM I-745 as complementary treatment of Helicobacter pylori infection on gut microbiome.](#)

European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology , Volume: 39 Issue: 7 2020 Jul

Authors Cárdenas PA,Garcés D,Prado-Vivar B,Flores N,Fornasini M,Cohen H,Salvador I,Cargua O,Baldeón ME

[Stable Colonization of Orally Administered Lactobacillus casei SY13 Alters the Gut Microbiota.](#)

BioMed research international , Volume: 2020 2020

Authors Yue Y,Xu X,Yang B,Lu J,Zhang S,Liu L,Nassar K,Zhang C,Zhang M,Pang X,Lv J

[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

[Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice.](#)

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

Authors Rodríguez-Daza MC,Daoust L,Boutkrabt L,Pilon G,Varin T,Dudonné S,Levy É,Marette A,Roy D,Desjardins Y

[Structural modulation of gut microbiota during alleviation of non-alcoholic fatty liver disease with Gynostemma pentaphyllum in rats.](#)

BMC complementary medicine and therapies , Volume: 20 Issue: 1 2020 Feb 5

Authors Shen SH,Zhong TY,Peng C,Fang J,Lv B

[Saccharomyces boulardii Tht 500101 changes gut microbiota and ameliorates hyperglycaemia, dyslipidaemia, and liver inflammation in streptozotocin-diabetic mice.](#)

Beneficial microbes , Volume: 10 Issue: 8 2019 Dec 9

Authors Albuquerque RCMF,Brandão ABP,De Abreu ICMIE,Ferreira FG,Santos LB,Moreira LN,Taddei CR,Aimbire F,Cunha TS

[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

[Identification of Antimicrobial Peptides from Novel Lactobacillus fermentum Strain.](#)

The protein journal , Volume: 39 Issue: 1 2020 Feb

Authors Pavlova AS,Ozhegov GD,Arapidi GP,Butenko IO,Fomin ES,Alemasov NA,Afonnikov DA,Yarullina DR,Ivanov VT,Govorun VM,Kayumov AR

[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

[The Structure Features and Improving Effects of Polysaccharide from Astragalus membranaceus on Antibiotic-Associated Diarrhea.](#)

Antibiotics (Basel, Switzerland) , Volume: 9 Issue: 1 2019 Dec 23

Authors Li S,Qi Y,Ren D,Qu D,Sun Y

[Rapid gut microbiome changes in a world-class ultramarathon runner.](#)

Physiological reports , Volume: 7 Issue: 24 2019 Dec

Authors Grosicki GJ,Durk RP,Bagley JR

[Food for thought about manipulating gut bacteria.](#)

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM,Bindels LB

[Walnuts and Vegetable Oils Containing Oleic Acid Differentially Affect the Gut Microbiota and Associations with Cardiovascular Risk Factors: Follow-up of a Randomized, Controlled, Feeding Trial in Adults at Risk for Cardiovascular Disease.](#)

The Journal of nutrition , Volume: 150 Issue: 4 2020 Apr 1

Authors Tindall AM,McLimans CJ,Petersen KS,Kris-Etherton PM,Lamendella R

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

Apple polysaccharide could promote the growth of Bifidobacterium longum.

International journal of biological macromolecules , Volume: 152 2020 Jun 1

Authors Li Y,Wang S,Sun Y,Zheng H,Tang Y,Gao X,Song C,Liu J,Long Y,Liu L,Mei Q

Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota.

Nutrients , Volume: 11 Issue: 11 2019 Nov 3

Authors Gomes A,Oudot C,Macià A,Foito A,Carregosa D,Stewart D,Van de Wiele T,Berry D,Motilva MJ,Brenner C,Dos Santos CN

Urolithin Metabotypes Can Determine the Modulation of Gut Microbiota in Healthy Individuals by Tracking Walnuts

Consumption over Three Days.

Nutrients , Volume: 11 Issue: 10 2019 Oct 16

Authors García-Mantrana I,Calatayud M,Romo-Vaquero M,Espín JC,Selma MV,Collado MC

Administration of Lactobacillus fermentum KBL375 Causes Taxonomic and Functional Changes in Gut Microbiota Leading to Improvement of Atopic Dermatitis.

Frontiers in molecular biosciences , Volume: 6 2019

Authors Kim WK,Jang YJ,Han DH,Seo B,Park S,Lee CH,Ko G

In vivo safety assessment of Lactobacillus fermentum strains, evaluation of their cholesterol-lowering ability and intestinal microbial modulation.

Journal of the science of food and agriculture , Volume: 100 Issue: 2 2020 Jan 30

Authors Thumu SCR,Halami PM

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

Effects of grape pomace and seed polyphenol extracts on the recovery of gut microbiota after antibiotic treatment in high-fat diet-fed mice.

Food science & nutrition , Volume: 7 Issue: 9 2019 Sep

Authors Lu F,Liu F,Zhou Q,Hu X,Zhang Y

Propolis modulates the gut microbiota and improves the intestinal mucosal barrier function in diabetic rats.

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

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

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

Lactobacillus reuteri DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.

American journal of physiology. Gastrointestinal and liver physiology , 2019 Sep 4

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM

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

Rebalancing of the gut flora and microbial metabolism is responsible for the anti-arthritis effect of kaempferol.

Acta pharmacologica Sinica , Volume: 41 Issue: 1 2020 Jan

Authors Aa LX,Fei F,Qi Q,Sun RB,Gu SH,Di ZZ,Aa JY,Wang GJ,Liu CX

Exercise Training Modulates Gut Microbiota Profile and Improves Endotoxemia.

Medicine and science in sports and exercise , Volume: 52 Issue: 1 2020 Jan

Authors Motiani KK,Collado MC,Eskelinen JJ,Virtanen KA,Löyttyniemi E,Salminen S,Nuutila P,Kallioikoski KK,Hannukainen JC

Effect of 1-Deoxynojirimycin Isolated from Mulberry Leaves on Glucose Metabolism and Gut Microbiota in a Streptozotocin-

Induced Diabetic Mouse Model.**Journal of natural products** , Volume: 82 Issue: 8 2019 Aug 23

Authors Hu TG,Wen P,Shen WZ,Liu F,Li Q,Li EN,Liao ST,Wu H,Zou YX

Improvement of non-invasive markers of NAFLD from an individualised, web-based exercise program.**Alimentary pharmacology & therapeutics** , Volume: 50 Issue: 8 2019 Oct

Authors Huber Y,Pfirschmann D,Gebhardt I,Labenz C,Gehrke N,Straub BK,Ruckes C,Bantel H,Belda E,Clément K,Leeming DJ,Karsdal MA,Galle PR,Simon P,Schattenberg JM

Dietary Factors and Modulation of Bacteria Strains of <i>Akkermansia muciniphila</i> and <i>Faecalibacterium prausnitzii</i>: A Systematic Review.**Nutrients** , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,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

Mulberry leaves ameliorate obesity through enhancing brown adipose tissue activity and modulating gut microbiota.**Food & function** , Volume: 10 Issue: 8 2019 Aug 1

Authors Sheng Y,Liu J,Zheng S,Liang F,Luo Y,Huang K,Xu W,He X

A Purified Anthraquinone-Glycoside Preparation From Rhubarb Ameliorates Type 2 Diabetes Mellitus by Modulating the Gut Microbiota and Reducing Inflammation.**Frontiers in microbiology** , Volume: 10 2019

Authors Cui HX,Zhang LS,Luo Y,Yuan K,Huang ZY,Guo Y

Walnuts and Vegetable Oils Differentially Affect the Gut Microbiome and Associations with Cardiovascular Risk Factors (OR29-06-19).**Current developments in nutrition** , Volume: 3 Issue: Suppl 1 2019 Jun

Authors Tindall A,McLimans C,Petersen K,Kris-Etherton P,Lamendella R

Effects of a formula with a probiotic Bifidobacterium lactis Supplement on the gut microbiota of low birth weight infants.**European journal of nutrition** , Volume: 59 Issue: 4 2020 Jun

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

<i>Bacteroides thetaiotaomicron</i> Starch Utilization Promotes Quercetin Degradation and Butyrate Production by <i>Eubacterium ramulus</i>.**Frontiers in microbiology** , Volume: 10 2019

Authors Rodríguez-Castaño GP,Dorris MR,Liu X,Bolling BW,Acosta-Gonzalez A,Rey FE

Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.**Clinical nutrition (Edinburgh, Scotland)** , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in <i>Citrobacter rodentium</i>-Infected Mice.**Frontiers in microbiology** , Volume: 10 2019

Authors Lin R,Piao M,Song Y

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

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

Four men in a boat: Ultra-endurance exercise alters the gut microbiome.**Journal of science and medicine in sport** , Volume: 22 Issue: 9 2019 Sep

Authors Keohane DM,Woods T,O'Connor P,Underwood S,Cronin O,Whiston R,O'Sullivan O,Cotter P,Shanahan F,Molloy MGM

Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.**The American journal of clinical nutrition** , Volume: 109 Issue: 5 2019 May 1

Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschasaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium

Akkermansia muciniphila is a promising probiotic.**Microbial biotechnology** , 2019 Apr 21

Authors Zhang T,Li Q,Cheng L,Buch H,Zhang F

Aerobic Exercise Training with Brisk Walking Increases Intestinal Bacteroides in Healthy Elderly Women.**Nutrients** , Volume: 11 Issue: 4 2019 Apr 17

Authors Morita E,Yokoyama H,Imai D,Takeda R,Ota A,Kawai E,Hisada T,Emoto M,Suzuki Y,Okazaki K

The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.

Frontiers in nutrition , Volume: 6 2019

Authors Jefferson A,Adolphus K

Lactobacillus fermentum species ameliorate dextran sulfate sodium-induced colitis by regulating the immune response and altering gut microbiota.

Gut microbes , Volume: 10 Issue: 6 2019

Authors Jang YJ,Kim WK,Han DH,Lee K,Ko G

Lactobacillus reuteri Reduces the Severity of Experimental Autoimmune Encephalomyelitis in Mice by Modulating Gut Microbiota.

Frontiers in immunology , Volume: 10 2019

Authors He B,Hoang TK,Tian X,Taylor CM,Blanchard E,Luo M,Bhattacharjee MB,Freeborn J,Park S,Couturier J,Lindsey JW,Tran DQ,Rhoads JM,Liu Y

Apple consumption is associated with a distinctive microbiota, proteomics and metabolomics profile in the gut of Dawley Sprague rats fed a high-fat diet.

PloS one , Volume: 14 Issue: 3 2019

Authors Garcia-Mazcorro JF,Pedreschi R,Yuan J,Kawas JR,Chew B,Dowd SE,Noratto G

Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.

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

Authors Han Y,Song M,Gu M,Ren D,Zhu X,Cao X,Li F,Wang W,Cai X,Yuan B,Goulette T,Zhang G,Xiao H

Protective effect of mulberry (Morus atropurpurea) fruit against diphenoxylate-induced constipation in mice through the modulation of gut microbiota.

Food & function , Volume: 10 Issue: 3 2019 Mar 20

Authors Hu TG,Wen P,Fu HZ,Lin GY,Liao ST,Zou YX

Spent Coffee Grounds Extract, Rich in Mannooligosaccharides, Promotes a Healthier Gut Microbial Community in a Dose-Dependent Manner.

Journal of agricultural and food chemistry , Volume: 67 Issue: 9 2019 Mar 6

Authors Pérez-Burillo S,Pastoriza S,Fernández-Arteaga A,Luzón G,Jiménez-Hernández N,D`Auria G,Francino MP,Rufián-Henares JÁ

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

Functional Interactions between Gut Microbiota Transplantation, Quercetin, and High-Fat Diet Determine Non-Alcoholic Fatty Liver Disease Development in Germ-Free Mice.

Molecular nutrition & food research , Volume: 63 Issue: 8 2019 Apr

Authors Porras D,Nistal E,Martínez-Flores S,Olcoz JL,Jover R,Jorquera F,González-Gallego J,García-Mediavilla MV,Sánchez-Campos S

Dark chocolate as a stable carrier of microencapsulated Akkermansia muciniphila and Lactobacillus casei.

FEMS microbiology letters , Volume: 366 Issue: 2 2019 Jan 1

Authors Marcial-Coba MS,Saaby L,Knøchel S,Nielsen DS

Effect of Saccharomyces boulardii and Bacillus subtilis B10 on gut microbiota modulation in broilers.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 4 Issue: 4 2018 Dec

Authors Qin C,Gong L,Zhang X,Wang Y,Wang Y,Wang B,Li Y,Li W

Effects of Schisandra chinensis polysaccharides on rats with antibiotic-associated diarrhea.

International journal of biological macromolecules , Volume: 124 2019 Mar 1

Authors Qi Y,Chen L,Gao K,Shao Z,Huo X,Hua M,Liu S,Sun Y,Li S

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

Strategies to promote abundance of Akkermansia muciniphila, an emerging probiotics in the gut, evidence from dietary intervention studies.

Journal of functional foods , Volume: 33 2017 Jun

Authors Zhou K

A next generation probiotic, Akkermansia muciniphila.

Critical reviews in food science and nutrition , 2018 Oct 29

Authors Zhai Q,Feng S,Arjan N,Chen W

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

Determination of Antimicrobial Activity of Some Commercial Fruit (Apple, Papaya, Lemon and Strawberry) Against Bacteria Causing Urinary Tract Infection.

European journal of microbiology & immunology , Volume: 8 Issue: 3 2018 Sep 28

Authors Liya SJ,Siddique R

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

Six-Week Endurance Exercise Alters Gut Metagenome That Is not Reflected in Systemic Metabolism in Over-weight Women.

Frontiers in microbiology , Volume: 9 2018

Authors Munukka E,Ahtiainen JP,Puigbó P,Jalkanen S,Pahkala K,Keskitalo A,Kujala UM,Pietilä S,Holmén M,Elo L,Huovinen P,D'Auria G,Pekkala S

An exploratory study on the effect of daily fruits and vegetable juice on human gut microbiota.

Food science and biotechnology , Volume: 27 Issue: 5 2018 Oct

Authors Choi YJ, Lee DH, Kim HS, Kim YK

Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.

Natural product research , 2018 Oct 13

Authors Condò C,Anacarlo I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P

Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased *Akkermansia muciniphila* Population Modulated by Dietary Black Raspberries.

ACS omega , Volume: 3 Issue: 9 2018 Sep 30

Authors Tu P,Bian X,Chi L,Gao B,Ru H,Knobloch TJ,Weghorst CM,Lu K

Effects of Whole Milk Supplementation on Gut Microbiota and Cardiometabolic Biomarkers in Subjects with and without Lactose Malabsorption.

Nutrients , Volume: 10 Issue: 10 2018 Oct 2

Authors Li X,Yin J,Zhu Y,Wang X,Hu X,Bao W,Huang Y,Chen L,Chen S,Yang W,Shan Z,Liu L

Effects of daily consumption of the probiotic *Bifidobacterium animalis* subsp. *lactis* CECT 8145 on anthropometric adiposity biomarkers in abdominally obese subjects: a randomized controlled trial.

International journal of obesity (2005) , 2018 Sep 27

Authors Pedret A,Valls RM,Calderón-Pérez L,Llauradó E,Company J,Pla-Pagà L,Moragas A,Martín-Luján F,Ortega Y,Giralt M,Caimari A,Chenoll E,Genovés S,Martorell P,Codoñer FM,Ramón D,Arola L,Solà R

Behavioral response to fiber feeding is cohort-dependent and associated with gut microbiota composition in mice.

Behavioural brain research , Volume: 359 2019 Feb 1

Authors Mailing LJ,Allen JM,Pence BD,Rytych J,Sun Y,Bhattacharya TK,Park P,Cross TL,McCusker RH,Swanson KS,Fahey GC,Rhodes JS,Kelley KW,Johnson RW,Woods JA

Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.

Molecular nutrition & food research , Volume: 62 Issue: 22 2018 Nov

Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ

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

Food chemistry , Volume: 271 2019 Jan 15

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

Antifungal efficacy of herbs.

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

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

Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.

Environmental microbiology , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM, Van de Wiele T

Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

Journal of evidence-based integrative medicine , Volume: 23 2018 Jan-Dec

Authors Peterson CT,Vaughn AR,Sharma V,Chopra D,Mills PJ,Peterson SN,Sivamani RK

Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Mayta-Apaza AC,Pottgen E,De Bodt J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SO,Carbonero F
A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.

Applied and environmental microbiology , Volume: 84 Issue: 19 2018 Oct 1

Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R
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 Hållenius F,Nyman M

Modulation of gut microbiota by mulberry fruit polysaccharide treatment of obese diabetic db/db mice.

Food & function , Volume: 9 Issue: 7 2018 Jul 17

Authors Chen C,You LJ,Huang Q,Fu X,Zhang B,Liu RH,Li C

Pectin Alleviates High Fat (Lard) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.

Journal of agricultural and food chemistry , 2018 Jul 20

Authors Li W,Zhang K,Yang H

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

Beneficial effects of the commercial lactic acid bacteria product, Vigis 101, on gastric mucosa and intestinal bacterial flora in rats.

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2018 Jun 23

Authors Kao L,Liu TH,Tsai TY,Pan TM

Anti-inflammatory and antibacterial evaluation of Thymus sipyleus Boiss. subsp. sipyleus var. sipyleus essential oil against rhinosinusitis pathogens.

Microbial pathogenesis , Volume: 122 2018 Sep

Authors Demirci F,Karaca N,Tekin M,Demirci B

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

Effect of Lactobacillus paracasei CNCM I-1572 on symptoms, gut microbiota, short chain fatty acids, and immune activation in patients with irritable bowel syndrome: A pilot randomized clinical trial.

United European gastroenterology journal , Volume: 6 Issue: 4 2018 May

Authors Cremon C,Guglielmetti S,Gargari G,Taverniti V,Castellazzi AM,Valsecchi C,Tagliacarne C,Fiore W,Bellini M,Bertani L,Gambaccini D,Cicala M,Germanà B,Vecchi M,Pagano I,Barbaro MR,Bellacosa L,Stanghellini V,Barbara G

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

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

Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.

Nutrients , Volume: 10 Issue: 5 2018 May 8

Authors Klimenko NS,Tyakht AV,Popenko AS,Vasiliev AS,Altukhov IA,Ischenko DS,Shashkova TI,Efimova DA,Nikogosov DA,Osipenko DA,Musienko SV,Selezneva KS,Baranova A,Kurilshikov AM,Toshchakov SM,Korzhenkov AA,Samarov NI,Shevchenko MA,Tepluk AV,Alexeev DG

Response of Gut Microbiota to Metabolite Changes Induced by Endurance Exercise.

Frontiers in microbiology , Volume: 9 2018

Authors Zhao X,Zhang Z,Hu B,Huang W,Yuan C,Zou L

Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial.

The Journal of nutrition , Volume: 148 Issue: 6 2018 Jun 1

Authors Holscher HD,Guetterman HM,Swanson KS,An R,Matthan NR,Lichtenstein AH,Novotny JA,Baer DJ

Role of *Lactobacillus reuteri* in Human Health and Diseases.

Frontiers in microbiology , Volume: 9 2018

Authors Mu Q,Tavella VJ,Luo XM

Screening and characterization of selected drugs having antibacterial potential.

Pakistan journal of pharmaceutical sciences , Volume: 31 Issue: 3 2018 May

Authors Javed H,Tabassum S,Erum S,Murtaza I,Muhammad A,Amin F,Nisar MF

Effect of dietary Spirulina (Arthrospira) platensis on the growth performance, antioxidant enzyme activity, nutrient digestibility, cecal microflora, excreta noxious gas emission, and breast meat quality of broiler chickens.

Poultry science , Volume: 97 Issue: 7 2018 Jul 1

Authors Park JH,Lee SI,Kim IH

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-Sarrías A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC

Effect of Lactobacillus salivarius on growth performance, diarrhea incidence, fecal bacterial population and intestinal morphology of suckling pigs challenged with F4+ enterotoxigenic Escherichia coli.

Asian-Australasian journal of animal sciences , Volume: 31 Issue: 8 2018 Aug

Authors Sayan H,Assavacheep P,Angkanaporn K,Assavacheep A

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

High salt diet exacerbates colitis in mice by decreasing Lactobacillus levels and butyrate production.

Microbiome , Volume: 6 Issue: 1 2018 Mar 22

Authors Miranda PM,De Palma G,Serkis V,Lu J,Louis-Auguste MP,McCarville JL,Verdu EF,Collins SM,Bercik P

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 Hull-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

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

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

Flammulina velutipes polysaccharides improve scopolamine-induced learning and memory impairment in mice by modulating gut microbiota composition.

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

Authors Su A,Yang W,Zhao L,Pei F,Yuan B,Zhong L,Ma G,Hu Q

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.

Frontiers in microbiology , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 73 Issue: 1 2018 Mar

Authors Paturi G,Butts CA,Monro JA,Hedderley D

[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

Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.

Carcinogenesis , 2018 Jan 19

Authors Chen L,Jiang B,Zhong C,Guo J,Zhang L,Mu T,Zhang Q,Bi X

Rhubarb Supplementation Promotes Intestinal Mucosal Innate Immune Homeostasis through Modulating Intestinal Epithelial Microbiota in Goat Kids.

Journal of agricultural and food chemistry , Volume: 66 Issue: 4 2018 Jan 31

Authors Jiao J,Wu J,Wang M,Zhou C,Zhong R,Tan Z

Effect of dark sweet cherry powder consumption on the gut microbiota, short-chain fatty acids, and biomarkers of gut health in obese db/db mice.

PeerJ , Volume: 6 2018

Authors Garcia-Mazcorro JF,Lage NN,Mertens-Talcott S,Talcott S,Chew B,Dowd SE,Kawas JR,Noratto GD

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 fermentation of copra meal hydrolysate by chicken microbiota.

3 Biotech , Volume: 8 Issue: 1 2018 Jan

Authors Prayoonthien P,Nitisinprasert S,Keawsompong S

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

Journal of food protection , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

The Impact of Long-Term Intake of Phenolic Compounds-Rich Grape Pomace on Rat Gut Microbiota.

Journal of food science , Volume: 83 Issue: 1 2018 Jan

Authors Chacar S,Itani T,Hajal J,Saliba Y,Louka N,Faivre JF,Maroun R,Fares N

Effect of Probiotics on Pharmacokinetics of Orally Administered Acetaminophen in Mice.

Drug metabolism and disposition: the biological fate of chemicals , Volume: 46 Issue: 2 2018 Feb

Authors Kim JK,Choi MS,Jeong JJ,Lim SM,Kim IS,Yoo HH,Kim DH

Quercetin metabolism by fecal microbiota from healthy elderly human subjects.

PloS one , Volume: 12 Issue: 11 2017

Authors Tamura M,Hoshi C,Kobori M,Takahashi S,Tomita J,Nishimura M,Nishihira J

Exercise Alters Gut Microbiota Composition and Function in Lean and Obese Humans.

Medicine and science in sports and exercise , Volume: 50 Issue: 4 2018 Apr

Authors Allen JM,Mailing LJ,Niemiro GM,Moore R,Cook MD,White BA,Holscher HD,Woods JA

A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.

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

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

Blockade of CB1 cannabinoid receptor alters gut microbiota and attenuates inflammation and diet-induced obesity.

Scientific reports , Volume: 7 Issue: 1 2017 Nov 15

Authors Mehrpouya-Bahrami P,Chitrala KN,Ganewatta MS,Tang C,Murphy EA,Enos RT,Velazquez KT,McCellan J,Nagarkatti M,Nagarkatti P

Bifidobacterium longum BB536 alleviated upper respiratory illnesses and modulated gut microbiota profiles in Malaysian pre-school children.

Beneficial microbes , Volume: 9 Issue: 1 2018 Jan 29

Authors Lau AS,Yanagisawa N,Hor YY,Lew LC,Ong JS,Chuah LO,Lee YY,Choi SB,Rashid F,Wahid N,Sugahara H,Xiao JZ,Liong MT

High-Salt Diet Has a Certain Impact on Protein Digestion and Gut Microbiota: A Sequencing and Proteome Combined Study.

Frontiers in microbiology , Volume: 8 2017

Authors Wang C,Huang Z,Yu K,Ding R,Ye K,Dai C,Xu X,Zhou G,Li C

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

Gypenosides Reduced the Risk of Overweight and Insulin Resistance in C57BL/6J Mice through Modulating Adipose Thermogenesis and Gut Microbiota.

Journal of agricultural and food chemistry , Volume: 65 Issue: 42 2017 Oct 25

Authors Liu J,Li Y,Yang P,Wan J,Chang Q,Wang TTY,Lu W,Zhang Y,Wang Q,Yu LL

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 Fouché JM, Gänzle MG, Beattie AD, Vasanthan T, Zijlstra RT

In vitro and in vivo anti-microbial activity evaluation of inactivated cells of *Lactobacillus salivarius* CECT 5713 against *Streptococcus mutans*.

Archives of oral biology , Volume: 84 2017 Dec

Authors Sañudo AI, Luque R, Díaz-Ropero MP, Fonollá J, Bañuelos Ó

Lactobacillus fermentum FTDC 8312 combats hypercholesterolemia via alteration of gut microbiota.

Journal of biotechnology , Volume: 262 2017 Nov 20

Authors Lye HS, Kato T, Low WY, Taylor TD, Prakash T, Lew LC, Ohno H, Liong MT

Moderate-Intensity Exercise Affects Gut Microbiome Composition and Influences Cardiac Function in Myocardial Infarction Mice.

Frontiers in microbiology , Volume: 8 2017

Authors Liu Z, Liu HY, Zhou H, Zhan Q, Lai W, Zeng Q, Ren H, Xu D

Assessment of plaque regrowth with a probiotic toothpaste containing *Lactobacillus paracasei*: A spectrophotometric study.

Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 35 Issue: 4 2017 Oct-Dec

Authors Srinivasan S, Nandlal B, Rao MVS

Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.

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

Authors Semeniv CA, Pop CR, Rotar AM

Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier.

American journal of physiology. Endocrinology and metabolism , Volume: 314 Issue: 4 2018 Apr 1

Authors Van Hul M, Geurts L, Plovier H, Druart C, Everard A, Stahlman M, Rhimi M, Chira K, Teissedre PL, Delzenne NM, Maguin E, Guillot A, Brochet A, Gérard P, Bäckhed F, Cani PD

A yeast fermentate improves gastrointestinal discomfort and constipation by modulation of the gut microbiome: results from a randomized double-blind placebo-controlled pilot trial.

BMC complementary and alternative medicine , Volume: 17 Issue: 1 2017 Sep 4

Authors Pinheiro I, Robinson L, Verhelst A, Marzorati M, Winkens B, den Abbeele PV, Possemiers S

Effect of Probiotic *Lactobacilli* on the Growth of *Streptococcus Mutans* and Multispecies Biofilms Isolated from Children with Active Caries.

Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017 Aug 30

Authors Lin X, Chen X, Tu Y, Wang S, Chen H

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

Changes in the gut microbial communities following addition of walnuts to the diet.

The Journal of nutritional biochemistry , Volume: 48 2017 Oct

Authors Byerley LO, Samuelson D, Blanchard E 4th, Luo M, Lorenzen BN, Banks S, Ponder MA, Welsh DA, Taylor CM

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

Disruption in the cecal microbiota of chickens challenged with *Clostridium perfringens* and other factors was alleviated by *Bacillus licheniformis* supplementation.

PloS one , Volume: 12 Issue: 8 2017

Authors Lin Y, Xu S, Zeng D, Ni X, Zhou M, Zeng Y, Wang H, Zhou Y, Zhu H, Pan K, Li G

Specific Signatures of the Gut Microbiota and Increased Levels of Butyrate in Children Treated with Fermented Cow's Milk Containing Heat-Killed *Lactobacillus paracasei* CBA L74.

Applied and environmental microbiology , Volume: 83 Issue: 19 2017 Oct 1

Authors Berni Canani R, De Filippis F, Nocerino R, Laiola M, Paparo L, Calignano A, De Caro C, Coretti L, Chiariotti L, Gilbert JA, Ercolini D

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

Nutrients , Volume: 9 Issue: 7 2017 Jul 18

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

[Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.](#)

Nutrition and cancer , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P, Lam V, Salzman N, Huang YW, Yu J, Zhang J, Wang LS

[Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.](#)

Scientific reports , Volume: 7 Issue: 1 2017 Jul 17

Authors Suriano F, Bindels LB, Verspreet J, Courtin CM, Verbeke K, Cani PD, Neyrinck AM, Delzenne NM

[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

[Spirulina Protects against Hepatic Inflammation in Aging: An Effect Related to the Modulation of the Gut Microbiota?](#)

Nutrients , Volume: 9 Issue: 6 2017 Jun 20

Authors Neyrinck AM, Taminiau B, Walgrave H, Daube G, Cani PD, Bindels LB, Delzenne NM

[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

[Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects.](#)

Omics : a journal of integrative biology , Volume: 22 Issue: 2 2018 Feb

Authors Bekiaries N, Krueger CG, Meudt JJ, Shanmuganayagam D, Reed JD

[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

[Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.](#)

Nutrients , Volume: 9 Issue: 6 2017 May 24

Authors Koutsos A, Lima M, Conterno L, Gasperotti M, Bianchi M, Fava F, Vrhovsek U, Lovegrove JA, Tuohy KM

[Health benefit of vegetable/fruit juice-based diet: Role of microbiome](#)

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM, Yang J, Shao P, Lee RP, Huang J, Ly A, Hsu M, Lu QY, Thames G, Heber D, Li Z

[Effect of *Lactobacillus rhamnosus* HN001 and *Bifidobacterium longum* BB536 on the healthy gut microbiota composition at phyla and species level: A preliminary study.](#)

World journal of gastroenterology , Volume: 23 Issue: 15 2017 Apr 21

Authors Toscano M, De Grandi R, Stronati L, De Vecchi E, Drago L

[Effect of *Bacillus subtilis* and *Bacillus licheniformis* supplementation in diets with low- and high-protein content on ileal crude protein and amino acid digestibility and intestinal microbiota composition of growing pigs.](#)

Journal of animal science and biotechnology , Volume: 8 2017

Authors Kaewtapee C, Burbach K, Tomforde G, Hartinger T, Camarinha-Silva A, Heinritz S, Seifert J, Wiltafsky M, Mosenthin R, Rosenfelder-Kuon P

[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

Influence of diet on the gut microbiome and implications for human health.

Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

Impact of probiotic *Saccharomyces boulardii* on the gut microbiome composition in HIV-treated patients: A double-blind, randomised, placebo-controlled trial.

PloS one , Volume: 12 Issue: 4 2017

Authors Villar-García J,Güerri-Fernández R,Moya A,González A,Hernández JJ,Lerma E,Guelar A,Sorli L,Horcajada JP,Artacho A,D Auria G,Knobel H

Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.

Frontiers in microbiology , Volume: 8 2017

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

Changes in intestinal microbiota composition and metabolism coincide with increased intestinal permeability in young adults under prolonged physiological stress.

American journal of physiology. Gastrointestinal and liver physiology , Volume: 312 Issue: 6 2017 Jun 1

Authors Karl JP,Margolis LM,Madslien EH,Murphy NE,Castellani JW,Gundersen Y,Hoke AV,Levangie MW,Kumar R,Chakraborty N,Gautam A,Hammamieh R,Martini S,Montain SJ,Pasiakos SM

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

International journal of analytical chemistry , Volume: 2017 2017

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

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

Effect of dietary polyphenol-rich grape seed on growth performance, antioxidant capacity and ileal microflora in broiler chicks.

Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb

Authors Abu Hafsa SH,Ibrahim SA

Apple Polysaccharide inhibits microbial dysbiosis and chronic inflammation and modulates gut permeability in HFD-fed rats.

International journal of biological macromolecules , Volume: 99 2017 Jun

Authors Wang S,Li Q,Zang Y,Zhao Y,Liu N,Wang Y,Xu X,Liu L,Mei Q

Changes in Metabolically Active Bacterial Community during Rumen Development, and Their Alteration by Rhubarb Root Powder Revealed by 16S rRNA Amplicon Sequencing.

Frontiers in microbiology , Volume: 8 2017

Authors Wang Z,Elkwachi C,Jiao J,Wang M,Tang S,Zhou C,Tan Z,Forster RJ

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

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

Synergistic antibacterial effects of herbal extracts and antibiotics on methicillin-resistant *Staphylococcus aureus*: A computational and experimental study.

Experimental biology and medicine (Maywood, N.J.) , Volume: 242 Issue: 7 2017 Apr

Authors Kuok CF,Hoi SO,Hoi CF,Chan CH,Fong IH,Ngok CK,Meng LR,Fong P

Biological activities of *Rosmarinus officinalis* L. (rosemary) extract as analyzed in microorganisms and cells.

Experimental biology and medicine (Maywood, N.J.) , Volume: 242 Issue: 6 2017 Mar

Authors de Oliveira JR,de Jesus D,Figueira LW,de Oliveira FE,Pacheco Soares C,Camargo SE,Jorge AO,de Oliveira LD

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

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

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

Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.

Diabetes , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM, Kim TT, Denou E, Softys CM, Hamza SM, Byrne NJ, Masson G, Park H, Wishart DS, Madsen KL, Schertzer JD, Dyck JR

[Efficacy of Aqueous and Methanolic Extracts of Rheum Spiciformis against Pathogenic Bacterial and Fungal Strains.](#)

Journal of clinical and diagnostic research : JCDR , Volume: 10 Issue: 9 2016 Sep

Authors Dar KB, Bhat AH, Amin S, Anees S, Masood A, Zargar MI, Ganie SA

[Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.](#)

Scientific reports , Volume: 6 2016 Oct 3

Authors Smith-Brown P, Morrison M, Krause L, Davies PS

[Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.](#)

Journal of periodontology , Volume: 88 Issue: 2 2017 Feb

Authors Oliveira LF, Salvador SL, Silva PH, Furlaneto FA, Figueiredo L, Casarin R, Ervolino E, Palioto DB, Souza SL, Taba M Jr, Novaes AB Jr, Messoria MR

[In vitro activity of plant extracts against biofilm-producing food-related bacteria.](#)

International journal of food microbiology , Volume: 238 2016 Dec 5

Authors Nostro A, Guerrini A, Marino A, Tacchini M, Di Giulio M, Grandini A, Akin M, Cellini L, Bisignano G, Saraçoğlu HT

[Chronic rhein treatment improves recognition memory in high-fat diet-induced obese male mice.](#)

The Journal of nutritional biochemistry , Volume: 36 2016 Oct

Authors Wang S, Huang XF, Zhang P, Wang H, Zhang Q, Yu S, Yu Y

[Non-absorbable apple procyanidins prevent obesity associated with gut microbial and metabolomic changes.](#)

Scientific reports , Volume: 6 2016 Aug 10

Authors Masumoto S, Terao A, Yamamoto Y, Mukai T, Miura T, Shoji T

[The effect of volatile oil mixtures on the performance and ilio-caecal microflora of broiler chickens.](#)

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

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

[Enhancing flora balance in the gastrointestinal tract of mice by lactic acid bacteria from Chinese sourdough and enzyme activities indicative of metabolism of protein, fat, and carbohydrate by the flora.](#)

Journal of dairy science , Volume: 99 Issue: 10 2016 Oct

Authors Yang D, Yu X, Wu Y, Chen X, Wei H, Shah NP, Xu F

[Lactobacillus fermentum CRL1446 Ameliorates Oxidative and Metabolic Parameters by Increasing Intestinal Feruloyl Esterase Activity and Modulating Microbiota in Calorie-Restricted Mice.](#)

Nutrients , Volume: 8 Issue: 7 2016 Jul 7

Authors Russo M, Fabersani E, Abejón-Mukdsi MC, Ross R, Fontana C, Benítez-Páez A, Gauffin-Cano P, Medina RB

[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

[Impact of dietary resistant starch type 4 on human gut microbiota and immunometabolic functions.](#)

Scientific reports , Volume: 6 2016 Jun 30

Authors Upadhyaya B, McCormack L, Fardin-Kia AR, Juenemann R, Nichenametla S, Clapper J, Specker B, Dey M

[Effects of bitter melon \(Momordica charantia L.\) on the gut microbiota in high fat diet and low dose streptozocin-induced rats.](#)

International journal of food sciences and nutrition , Volume: 67 Issue: 6 2016 Sep

Authors Zhu Y, Bai J, Zhang Y, Xiao X, Dong Y

[Curcumin protects mice from Staphylococcus aureus pneumonia by interfering with the self-assembly process of a-hemolysin.](#)

Scientific reports , Volume: 6 2016 Jun 27

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

[Molecular Properties of Guar Gum and Pectin Modify Cecal Bile Acids, Microbiota, and Plasma Lipopolysaccharide-Binding Protein in Rats.](#)

PloS one , Volume: 11 Issue: 6 2016

Authors Ghaffarzadegan T, Marunguang N, Fåk F, Nyman M

[Survey of the Antibiofilm and Antimicrobial Effects of Zingiber officinale \(in Vitro Study\).](#)

Jundishapur journal of microbiology , Volume: 9 Issue: 2 2016 Feb

Authors Aghazadeh M, Zahedi Bialvaei A, Aghazadeh M, Kabiri F, Saliani N, Yousefi M, Eslami H, Samadi Kafil H

[Lingonberries alter the gut microbiota and prevent low-grade inflammation in high-fat diet fed mice.](#)

Food & nutrition research , Volume: 60 2016

Authors Heyman-Lindén L, Kotowska D, Sand E, Bjursell M, Plaza M, Turner C, Holm C, Fåk F, Berger K

[Dietary supplementation of Rosmarinus officinalis L. leaves in sheep affects the abundance of rumen methanogens and](#)

other microbial populations.

Journal of animal science and biotechnology , Volume: 7 2016

Authors Cobellis G,Yu Z,Forte C,Acuti G,Trabalza-Marinucci M

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

Effect of Formula Containing Lactobacillus reuteri DSM 17938 on Fecal Microbiota of Infants Born by Cesarean-Section.

Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec

Authors Garcia Rodenas CL,Lepage M,Ngom-Bru C,Fotiau A,Papagaroufalos K,Berger B

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

Rhubarb extract prevents hepatic inflammation induced by acute alcohol intake, an effect related to the modulation of the gut microbiota.

Molecular nutrition & food research , Volume: 61 Issue: 1 2017 Jan

Authors Neyrinck AM,Etxeberria U,Taminiau B,Daube G,Van Hul M,Everard A,Cani PD,Bindels LB,Delzenne NM

In vitro extraction and fermentation of polyphenols from grape seeds (Vitis vinifera) by human intestinal microbiota.

Food & function , Volume: 7 Issue: 4 2016 Apr

Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X

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,Gujka E,Kaczowska J,Drozdowska A,Walkowiak J

Effect of Saccharomyces boulardii and Mode of Delivery on the Early Development of the Gut Microbial Community in Preterm Infants.

PloS one , Volume: 11 Issue: 2 2016

Authors Zeber-Lubecka N,Kulecka M,Ambrozkiwicz F,Paziewska A,Lechowicz M,Konopka E,Majewska U,Borszewska-Kornacka M,Mikula M,Cukrowska B,Ostrowski 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

Lingonberries reduce atherosclerosis in Apoe^{-/-} mice in association with altered gut microbiota composition and improved lipid profile.

Molecular nutrition & food research , Volume: 60 Issue: 5 2016 May

Authors Matziouridou C,Marunguang N,Nguyen TD,Nyman M,Fåk F

Antimicrobial Properties of a Potential Probiotic Lactobacillus from Thai Newborn Feces.

Journal of the Medical Association of Thailand = Chotmai het thangphaet , Volume: 98 Suppl 9 2015 Oct

Authors Chimchang J,Theparee T,Ladda B,Tanasupawat S,Wongsatayanon BT,Taweecho tipatr M

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

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

Changes in Gut and Plasma Microbiome following Exercise Challenge in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS).

PloS one , Volume: 10 Issue: 12 2015

Authors Shukla SK,Cook D,Meyer J,Vernon SD,Le T,Clevidence D,Robertson CE,Schrodi SJ,Yale S,Frank DN

Effects of probiotics Pediococcus acidilactici strain MA18/5M and Saccharomyces cerevisiae subsp. boulardii strain SB-CNCM I-1079 on fecal and intestinal microbiota of nursing and weanling piglets.

Journal of animal science , Volume: 93 Issue: 11 2015 Nov

Authors Brousseau JP,Talbot G,Beaudoin F,Lauzon K,Roy D,Lessard M

Prevention of Diet-Induced Obesity Effects on Body Weight and Gut Microbiota in Mice Treated Chronically with Δ^9 -Tetrahydrocannabinol.

PloS one , Volume: 10 Issue: 12 2015

Authors Cluny NL, Keenan CM, Reimer RA, Le Foll B, Sharkey KA

Effects of Supplemental Mannanligosaccharides on Growth Performance, Faecal Characteristics and Health in Dairy Calves.

Asian-Australasian journal of animal sciences , Volume: 28 Issue: 11 2015 Nov

Authors Kara C, Cihan H, Temizel M, Catik S, Meral Y, Orman A, Yibar A, Gencoglu H

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

Frontiers in microbiology , Volume: 6 2015

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

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

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

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

Table grape consumption reduces adiposity and markers of hepatic lipogenesis and alters gut microbiota in butter fat-fed mice.

The Journal of nutritional biochemistry , Volume: 27 2016 Jan

Authors Baldwin J, Collins B, Wolf PG, Martinez K, Shen W, Chuang CC, Zhong W, Cooney P, Cockrell C, Chang E, Gaskins HR, McIntosh MK

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

Saccharomyces boulardii CNCM I-745 supports regeneration of the intestinal microbiota after diarrheic dysbiosis - a review.

Clinical and experimental gastroenterology , Volume: 8 2015

Authors Moré MI, Swidsinski A

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

In vitro and in vivo examination of anticolonization of pathogens by Lactobacillus paracasei FJ861111.1

Journal of dairy science , Volume: 98 Issue: 10 2015 Oct

Authors Deng K, Chen T, Wu Q, Xin H, Wei Q, Hu P, Wang X, Wang X, Wei H, Shah NP

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

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

Soluble Dextrin Fibers Alter the Intestinal Microbiota and Reduce Proinflammatory Cytokine Secretion in Male IL-10-Deficient Mice.

The Journal of nutrition , Volume: 145 Issue: 9 2015 Sep

Authors Valcheva R, Hotte N, Gillevet P, Sikaroodi M, Thiessen A, Madsen KL

Wheat and barley differently affect porcine intestinal microbiota.

Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E, Aumiller T, Spindler HK, Rosenfelder P, Eklund M, Witzig M, Jørgensen H, Bach Knudsen KE, Mosenthin R

In 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 characterisation of the fermentation profile and prebiotic capacity of gold-fleshed kiwifruit.](#)

Beneficial microbes , Volume: 6 Issue: 6 2015

Authors Blatchford P,Bentley-Hewitt KL,Stoklosinski H,McGhie T,Gearry R,Gibson G,Ansell J

[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

[Effects of Lactobacillus salivarius Ren on cancer prevention and intestinal microbiota in 1, 2-dimethylhydrazine-induced rat model.](#)

Journal of microbiology (Seoul, Korea) , Volume: 53 Issue: 6 2015 Jun

Authors Zhang M,Fan X,Fang B,Zhu C,Zhu J,Ren F

[Review article: dietary fibre-microbiota interactions.](#)

Alimentary pharmacology & therapeutics , Volume: 42 Issue: 2 2015 Jul

Authors Simpson HL,Campbell BJ

[Oral Microbiota Shift after 12-Week Supplementation with Lactobacillus reuteri DSM 17938 and PTA 5289; A Randomized Control Trial.](#)

PloS one , Volume: 10 Issue: 5 2015

Authors Romani Vestman N,Chen T,Lif Holgersson P,Öhman C,Johansson I

[Antimicrobial agents from selected medicinal plants in Libya.](#)

Chinese journal of integrative medicine , Volume: 22 Issue: 3 2016 Mar

Authors Muhaisen HM,Ab-Mous MM,Ddeeb FA,Rtemi AA,Taba OM,Parveen M

[Design of a papain immobilized antimicrobial food package with curcumin as a crosslinker.](#)

PloS one , Volume: 10 Issue: 4 2015

Authors Manohar CM,Prabhawathi V,Sivakumar PM,Doble M

[Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.](#)

The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi , Volume: 65 Issue: 4 2015 Apr

Authors Shadnough M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali 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

[Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.](#)

Food chemistry , Volume: 183 2015 Sep 15

Authors Sánchez-Patán F,Barroso E,van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta MC,Peláez C,Requena T,Bartolomé B

[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

[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,Rivellese 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

[The promiscuous and synergic molecular interaction of polyphenols in bactericidal activity: an opportunity to improve the performance of antibiotics?](#)

Phytotherapy research : PTR , Volume: 29 Issue: 3 2015 Mar

Authors Tomás-Menor L,Barrajón-Catalán E,Segura-Carretero A,Martí N,Saura D,Menéndez JA,Joven J,Micol V

[Inhibitory effects of different lactobacilli on *Candida albicans* hyphal formation and biofilm development.](#)

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

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

[Bioanalytical evaluation of *Cinnamomum zeylanicum* essential oil.](#)

Natural product research , Volume: 29 Issue: 19 2015

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

[Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed chardonnay grape seed flour.](#)

Journal of agricultural and food chemistry , Volume: 63 Issue: 5 2015 Feb 11

Authors Kim H,Kim DH,Seo KH,Chon JW,Nah SY,Bartley GE,Arvik T,Lipson R,Yokoyama W

[Human gut Bacteroidetes can utilize yeast mannan through a selfish mechanism.](#)

Nature , Volume: 517 Issue: 7533 2015 Jan 8

Authors Cuskin F,Lowe EC,Temple MJ,Zhu Y,Cameron E,Pudlo NA,Porter NT,Urs K,Thompson AJ,Cartmell A,Rogowski A,Hamilton BS,Chen R,Tolbert TJ,Piense K,Bracke D,Vervecken W,Hakki Z,Speciale G,Munoz-Munoz JL,Day A,Peña MJ,McLean R,Suits MD,Boraston AB,Atherly T,Ziemer CJ,Williams SJ,Davies GJ,Abbott DW,Martens EC,Gilbert HJ

[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

[Antimicrobial Effect of *Lactobacillus reuteri* on Cariogenic Bacteria *Streptococcus gordonii*, *Streptococcus mutans*, and Periodontal Diseases *Actinomyces naeslundii* and *Tannerella forsythia*.](#)

Probiotics and antimicrobial proteins , Volume: 7 Issue: 1 2015 Mar

Authors Baca-Castañón ML,De la Garza-Ramos MA,Alcázar-Piña AG,Grondin Y,Coronado-Mendoza A,Sánchez-Najera RI,Cárdenas-Estrada E,Medina-De la Garza CE,Escamilla-García E

[Effect of *Lactobacillus rhamnosus* hsrlym 1301 on the Gut Microbiota and Lipid Metabolism in Rats Fed a High-Fat Diet.](#)

Journal of microbiology and biotechnology , Volume: 25 Issue: 5 2015 May

Authors Chen D,Yang Z,Chen X,Huang Y,Yin B,Guo F,Zhao H,Huang J,Wu Y,Gu R

[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,Głowacka A,Kowalczyk E,Lysakowska M,Sienkiewicz M

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

Journal of agricultural and food chemistry , Volume: 62 Issue: 45 2014 Nov 12

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

[Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with *Lactobacillus paracasei* DG varies among healthy adults.](#)

The Journal of nutrition , Volume: 144 Issue: 11 2014 Nov

Authors Ferrario C,Taverniti V,Milani C,Fiore W,Laureati M,De Noni I,Stuknyte M,Chouaia B,Riso P,Guglielmetti S

Chemical compositions and antimicrobial activities of *Athrixia phylicoides* DC. (bush tea), *Monsonia burkeana* (special tea) and synergistic effects of both combined herbal teas.

Asian Pacific journal of tropical medicine , Volume: 7S1 2014 Sep

Authors Tshivhandekano I,Ntushelo K,Ngezimana W,Tshikalange TE,Mudau FN

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 tecnologia de los alimentos internacional , Volume: 21 Issue: 8 2015 Dec

Authors da Silva Luz I,Gomes-Neto NJ,Magnani M,de Souza EL

Treatment of atopic dermatitis eczema with a high concentration of *Lactobacillus salivarius* LS01 associated with an innovative gelling complex: a pilot study on adults.

Journal of clinical gastroenterology , Volume: 48 Suppl 1 2014 Nov-Dec

Authors Drago L,De Vecchi E,Toscano M,Vassena C,Altomare G,Pigatto P

Active dry *Saccharomyces cerevisiae* can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.

Journal of dairy science , Volume: 97 Issue: 12 2014 Dec

Authors AlZahal O,Dionissopoulos L,Laarman AH,Walker N,McBride BW

[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

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

To add or not to add polysorbate 80: impact on colistin MICs for clinical strains of Enterobacteriaceae and *Pseudomonas aeruginosa* and quality controls.

Journal of clinical microbiology , Volume: 52 Issue: 10 2014 Oct

Authors Sutherland CA,Nicolau DP

Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW,Pinchak WE,Dowd S,Dorton K,Yoon I,Min BR,Fulford JD,Wickersham TA,Malinowski DP

Coexpression and secretion of endoglucanase and phytase genes in *Lactobacillus reuteri*.

International journal of molecular sciences , Volume: 15 Issue: 7 2014 Jul 21

Authors Wang L,Yang Y,Cai B,Cao P,Yang M,Chen Y

Fermentable non-starch polysaccharides increases the abundance of *Bacteroides-Prevotella-Porphyromonas* in ileal microbial community of growing pigs.

Animal : an international journal of animal bioscience , Volume: 8 Issue: 11 2014 Nov

Authors Ivarsson E,Roos S,Liu HY,Lindberg JE

Effects of diet on gut microbiota profile and the implications for health and disease.

Bioscience of microbiota, food and health , Volume: 32 Issue: 1 2013

Authors Lee YK

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

Efficacy of Papacarie(®) in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.

Clinics (Sao Paulo, Brazil) , Volume: 69 Issue: 5 2014

Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MF

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

Screening of *Lactobacillus* spp. for the prevention of *Pseudomonas aeruginosa* pulmonary infections.

BMC microbiology , Volume: 14 2014 Apr 27

Authors Alexandre Y,Le Berre R,Barbier G,Le Blay G

Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding

with red wine polyphenols.

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E, Van de Wiele T, Jiménez-Girón A, Muñoz-González I, Martín-Alvarez PJ, Moreno-Arribas MV, Bartolomé B, Peláez C, Martínez-Cuesta MC, Requena T

Impact of diet and individual variation on intestinal microbiota composition and fermentation products in obese men

The ISME Journal , Volume: 8 Issue: 11 2014 Apr 24

Authors Salonen A, Lahti L, Salojärvi J, Holtrop G, Korpela K, Duncan SH, Date P, Farquharson F, Johnstone AM, Lobley GE, Louis P, Flint HJ, de Vos WM

The metabolizable energy of dietary resistant maltodextrin is variable and alters fecal microbiota composition in adult men.

The Journal of nutrition , Volume: 144 Issue: 7 2014 Jul

Authors Baer DJ, Stote KS, Henderson T, Paul DR, Okuma K, Tagami H, Kanahori S, Gordon DT, Rumpler WW, Ukhanova M, Culpepper T, Wang X, Mai V

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

Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.

Food & function , Volume: 5 Issue: 6 2014 Jun

Authors Qiao Y, Sun J, Xia S, Tang X, Shi Y, Le G

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

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

Antimicrobial and anti-adhesive properties of biosurfactant produced by lactobacilli isolates, biofilm formation and aggregation ability.

The Journal of general and applied microbiology , Volume: 59 Issue: 6 2013

Authors Zakaria Gomaa E

Lactobacillus paracasei subsp. *paracasei* LC01 positively modulates intestinal microflora in healthy young adults.

Journal of microbiology (Seoul, Korea) , Volume: 51 Issue: 6 2013 Dec

Authors Zhang H, Sun J, Liu X, Hong C, Zhu Y, Liu A, Li S, Guo H, Ren F

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

In vitro fermentation of NUTRIOSE(®) FB06, a wheat dextrin soluble fibre, in a continuous culture human colonic model system.

PloS one , Volume: 8 Issue: 10 2013

Authors Hobden MR, Martin-Morales A, Guérin-Deremaux L, Wils D, Costabile A, Walton GE, Rowland I, Kennedy OB, Gibson GR

Role of probiotics in the prevention and treatment of methicillin-resistant *Staphylococcus aureus* infections.

International journal of antimicrobial agents , Volume: 42 Issue: 6 2013 Dec

Authors Sikorska H, Smoragiewicz W

Antioxidant, antibacterial and ACE-inhibitory activity of four monofloral honeys in relation to their chemical composition.

Food & function , Volume: 4 Issue: 11 2013 Nov

Authors León-Ruiz V, González-Porto AV, Al-Habsi N, Vera S, San Andrés MP, Jauregi P

Kiwifruit (*Actinidia deliciosa*) changes intestinal microbial profile.

Microbial ecology in health and disease , Volume: 23 2012

Authors Lee YK, Low KY, Siah K, Drummond LM, Gwee KA

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

[Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.](#)

Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec

Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

[Lowbush wild blueberries have the potential to modify gut microbiota and xenobiotic metabolism in the rat colon.](#)

PloS one , Volume: 8 Issue: 6 2013

Authors Lacombe A,Li RW,Klimis-Zacas D,Kristo AS,Tadepalli S,Krauss E,Young R,Wu VC

[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

[Associations between the human intestinal microbiota, Lactobacillus rhamnosus GG and serum lipids indicated by integrated analysis of high-throughput profiling data.](#)

PeerJ , Volume: 1 2013

Authors Lahti L,Salonen A,Kekkonen RA,Salojärvi J,Jalanka-Tuovinen J,Palva A,Orešić M,de Vos WM

[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

[Effect of Lactobacillus salivarius Ls-33 on fecal microbiota in obese adolescents.](#)

Clinical nutrition (Edinburgh, Scotland) , Volume: 32 Issue: 6 2013 Dec

Authors Larsen N,Vøgesen FK,Gøbel RJ,Michaelsen KF,Forssten SD,Lahtinen SJ,Jakobsen M

[Antibacterial activity and mode of action of ferulic and gallic acids against pathogenic bacteria.](#)

Microbial drug resistance (Larchmont, N.Y.) , Volume: 19 Issue: 4 2013 Aug

Authors Borges A,Ferreira C,Saavedra MJ,Simões M

[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

[Antibacterial and antimycotic activities of Slovenian honeys.](#)

British journal of biomedical science , Volume: 69 Issue: 4 2012

Authors Kuncic MK,Jaklic D,Lapanje A,Gunde-Cimerman N

[In vitro antimicrobial assessment of Cuban propolis extracts.](#)

Memorias do Instituto Oswaldo Cruz , Volume: 107 Issue: 8 2012 Dec

Authors Monzote L,Cuesta-Rubio O,Campo Fernandez M,Márquez Hernandez I,Fraga J,Pérez K,Kerstens M,Maes L,Cos P

[The inhibitory effect of polyphenols on human gut microbiota.](#)

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 63 Issue: 5 2012 Oct

Authors Duda-Chodak A

[Synergistic effects of honey and propolis toward drug multi-resistant Staphylococcus aureus, Escherichia coli and Candida albicans isolates in single and polymicrobial cultures.](#)

International journal of medical sciences , Volume: 9 Issue: 9 2012

Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K

[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

[Effects of oat \$\beta\$ -glucan and barley \$\beta\$ -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

Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.

Journal of dairy science , Volume: 95 Issue: 9 2012 Sep

Authors Wang S, Zhu H, Lu C, Kang Z, Luo Y, Feng L, Lu X

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

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

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

Influence of red wine polyphenols and ethanol on the gut microbiota ecology and biochemical biomarkers.

The American journal of clinical nutrition , Volume: 95 Issue: 6 2012 Jun

Authors Queipo-Ortuño MI, Boto-Ordóñez M, Murri M, Gomez-Zumaquero JM, Clemente-Postigo M, Estruch R, Cardona Diaz F, Andrés-Lacueva C, Tinahones FJ

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

Effect of *Lactobacillus salivarius* bacteriocin Abp118 on the mouse and pig intestinal microbiota.

PloS one , Volume: 7 Issue: 2 2012

Authors Riboulet-Bisson E, Sturme MH, Jeffery IB, O'Donnell MM, Neville BA, Forde BM, Claesson MJ, Harris H, Gardiner GE, Casey PG, Lawlor PG, O'Toole PW, Ross RP

Grape antioxidant dietary fiber stimulates *Lactobacillus* growth in rat cecum.

Journal of food science , Volume: 77 Issue: 2 2012 Feb

Authors Pozuelo MJ, Agis-Torres A, Hervet-Hernández D, Elvira López-Oliva M, Muñoz-Martínez E, Rotger R, Goñi I

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

Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut.

Journal of agricultural and food chemistry , Volume: 59 Issue: 24 2011 Dec 28

Authors Vendrame S, Guglielmetti S, Riso P, Arioli S, Klimis-Zacas D, Porrini M

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

Antimicrobial activity of Gynostemma pentaphyllum extracts against fungi producing aflatoxin and fumonisin and bacteria causing diarrheal disease.**The Southeast Asian journal of tropical medicine and public health** , Volume: 42 Issue: 3 2011 May

Authors Srichana D,Taengtip R,Kondo S

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

Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.**Pharmaceutical biology** , Volume: 49 Issue: 4 2011 Apr

Authors Ozcelik B,Kartal M,Orhan I

Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.**Poultry science** , Volume: 90 Issue: 3 2011 Mar

Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A

Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.**Molecules (Basel, Switzerland)** , Volume: 15 Issue: 11 2010 Oct 27

Authors Sokovic M,Glamoclija J,Marin PD,Brkic D,van Griensven LJ

[Functional biostructure of colonic microbiota (central fermenting area, germinal stock area and separating mucus layer) in healthy subjects and patients with diarrhea treated with Saccharomyces boulardii].**Gastroenterologie clinique et biologique** , Volume: 34 Suppl 1 2010 Sep

Authors Swidsinski A,Loening-Baucke V,Kirsch S,Doerffel Y

Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.**Food microbiology** , Volume: 27 Issue: 7 2010 Oct

Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P

Characterisation and response of intestinal microflora and mucins to manno-oligosaccharide and antibiotic supplementation in broiler chickens.**British poultry science** , Volume: 51 Issue: 3 2010 Jun

Authors Chee SH,Iji PA,Choct M,Mikkelsen LL,Kocher A

Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.**Journal of animal science** , Volume: 88 Issue: 9 2010 Sep

Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr

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

Effect of apple intake on fecal microbiota and metabolites in humans.**Anaerobe** , Volume: 16 Issue: 5 2010 Oct

Authors Shinohara K,Ohashi Y,Kawasumi K,Terada A,Fujisawa T

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

Bioactive properties and chemical composition of six walnut (Juglans regia L.) cultivars.**Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association** , Volume: 46 Issue: 6 2008 Jun

Authors Pereira JA,Oliveira I,Sousa A,Ferreira IC,Bento A,Estevinho L

Synergistic antibacterial activity between Thymus vulgaris and Pimpinella anisum essential oils and methanol extracts.**Journal of ethnopharmacology** , Volume: 116 Issue: 3 2008 Mar 28

Authors Al-Bayati FA

Antibacterial 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

Impact of consumption of different levels of Bifidobacterium lactis HN019 on the intestinal microflora of elderly human subjects.

The journal of nutrition, health & aging , Volume: 11 Issue: 1 2007 Jan-Feb

Authors Ahmed M,Prasad J,Gill H,Stevenson L,Gopal P

Physiological effects of extraction juices from apple, grape, and red beet pomaces in rats.

Journal of agricultural and food chemistry , Volume: 54 Issue: 26 2006 Dec 27

Authors Sembries S,Dongowski G,Mehrländer K,Will F,Dietrich H

In vitro activity of Bulgarian propolis against 94 clinical isolates of anaerobic bacteria.

Anaerobe , Volume: 12 Issue: 4 2006 Aug

Authors Boyanova L,Kolarov R,Gergova G,Mitov I

Antimicrobial and antiplasmod 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,Pantarella F

The protective role of topical propolis on experimental keratitis via nitric oxide levels in rabbits.

Molecular and cellular biochemistry , Volume: 281 Issue: 1-2 2006 Jan

Authors Duran N,Koc A,Oksuz H,Tamer C,Akaydin Y,Kozlu T,Celik M

Propolis: anti-Staphylococcus aureus activity and synergism with antimicrobial drugs.

Memorias do Instituto Oswaldo Cruz , Volume: 100 Issue: 5 2005 Aug

Authors Fernandes Junior 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,Cogulu D,Gençay O,Salih B

Chemical composition and antibacterial activity of propolis collected by three different races of honeybees in the same region.

Journal of ethnopharmacology , Volume: 99 Issue: 1 2005 May 13

Authors Silici S,Kutluca S

Mixture of honey, beeswax and olive oil inhibits growth of Staphylococcus aureus and Candida albicans.

Archives of medical research , Volume: 36 Issue: 1 2005 Jan-Feb

Authors Al-Waili NS

[Antimicrobial properties of bee preparations in ointment form].

Mikrobiolohichnyi zhurnal (Kiev, Ukraine : 1993) , Volume: 66 Issue: 6 2004 Nov-Dec

Authors Postoienko VO, Senchuhova NA, Postoienko OM, Patyka VP

Microbiological effects of consuming a synbiotic containing Bifidobacterium bifidum, Bifidobacterium lactis, and oligofructose in elderly persons, determined by real-time polymerase chain reaction and counting of viable bacteria.

Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 40 Issue: 1 2005 Jan 1

Authors Bartosch S, Woodmansey EJ, Paterson JC, McMurdo ME, Macfarlane GT

Chemical compositions and antibacterial effects of essential oils of Turkish oregano (Origanum minutiflorum), bay laurel (Laurus nobilis), Spanish lavender (Lavandula stoechas L.), and fennel (Foeniculum vulgare) on common foodborne pathogens.

Journal of agricultural and food chemistry , Volume: 52 Issue: 26 2004 Dec 29

Authors Dadalioglu I, Evrendilek GA

Antibacterial and resistance modifying activity of Rosmarinus officinalis.

Phytochemistry , Volume: 65 Issue: 24 2004 Dec

Authors Oluwatuyi M, Kaatz GW, Gibbons S

Growth inhibition of foodborne pathogens and food spoilage organisms by select raw honeys.

International journal of food microbiology , Volume: 97 Issue: 1 2004 Dec 1

Authors Mundo MA, Padilla-Zakour OI, Worobo RW

In vitro antimicrobial activity of essential oils from aromatic plants against selected foodborne pathogens.

Journal of food protection , Volume: 67 Issue: 6 2004 Jun

Authors Rota C, Carramiñana JJ, Burillo J, Herrera A

Contribution of acetate to butyrate formation by human faecal bacteria.

The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun

Authors Duncan SH, Holtrop G, Lobley GE, Calder AG, Stewart CS, Flint HJ

Antibacterial activity of 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

Enteral feeding of premature infants with Saccharomyces boulardii.

Early human development , Volume: 74 Issue: 2 2003 Nov

Authors Costalos C, Skouteri V, Gounaris A, Sevastiadou S, Triandafillidou A, Ekonomidou C, Kontaxaki F, Petrochilou V

Influence of ginger rhizome (Zingiber officinale Rosc) on survival, glutathione and lipid peroxidation in mice after whole-body exposure to gamma radiation.

Radiation research , Volume: 160 Issue: 5 2003 Nov

Authors Jagetia GC, Baliga MS, Venkatesh P, Ulloor JN

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

Aberrant composition of gut microbiota of allergic infants: a target of bifidobacterial therapy at weaning?

Gut , Volume: 51 Issue: 1 2002 Jul

Authors Kirjavainen PV, Arvola T, Salminen SJ, Isolauri E

Evaluation of N-acetylchitooligosaccharides as the main carbon sources for the growth of intestinal bacteria.

FEMS microbiology letters , Volume: 209 Issue: 1 2002 Mar 19

Authors Chen HC, Chang CC, Mau WJ, Yen LS

Screening of the antibacterial effects of a variety of essential oils on respiratory tract pathogens, using a modified dilution assay method.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 7 Issue: 4 2001 Dec

Authors Inoue S, Yamaguchi H, Takizawa T

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

Egyptian propolis: 1-antimicrobial activity and chemical composition of Upper Egypt propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 56 Issue: 1-2 2001 Jan-Feb

Authors Hegazi AG, El Hady FK

Phenolic compounds from Brazilian propolis with pharmacological activities.

Journal of ethnopharmacology , Volume: 74 Issue: 2 2001 Feb

Authors Marcucci MC,Ferreres F,García-Viguera C,Bankova VS,De Castro SL,Dantas AP,Valente PH,Paulino N

Study on propolis quality from China and Uruguay.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 9-10 2000 Sep-Oct

Authors Serra Bonvehí J,Ventura Coll F

Seasonal effect on Brazilian propolis antibacterial activity.

Journal of ethnopharmacology , Volume: 73 Issue: 1-2 2000 Nov

Authors 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

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

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

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

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

Antimicrobial and antioxidant activities of unripe papaya.

Life sciences , Volume: 53 Issue: 17 1993

Authors Osato JA,Santiago LA,Remo GM,Cuadra MS,Mori A

Influence of partially hydrolyzed guar gum on constipation in women.

Journal of nutritional science and vitaminology , Volume: 40 Issue: 3 1994 Jun

Authors Takahashi H,Wako N,Okubo T,Ishihara N,Yamanaka J,Yamamoto T

[Effect of propolis on Staphylococcus aureus strains resistant to antibiotics].

Antibiotiki , Volume: 26 Issue: 4 1981 Apr

Authors Shub TA,Kagranova KA,Voropaeva SD,Kivman Gl

Influence of dietary lactose on the gut flora of chicks.

British poultry science , Volume: 23 Issue: 4 1982 Jul

Authors Morishita Y,Fuller R,Coates ME

The fermentation of lactulose by colonic bacteria.

Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS,Bramley PM,Menzies IS

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

[Selective effect of propolis in the isolation of *Listeria monocytogenes* (author's transl)].

Nordisk veterinærmedicin , Volume: 29 Issue: 10 1977 Oct

Authors Aspoy E

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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Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Biofilm

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)

Carcinoma

cdkl5 deficiency disorder

Celiac Disease

Cerebral Palsy

Chronic Fatigue Syndrome

Chronic Kidney Disease

Chronic Lyme

Chronic Obstructive Pulmonary Disease (COPD)

Chronic Urticaria (Hives)

Coagulation / Micro clot triggering bacteria

Cognitive Function

Colorectal Cancer

Constipation

Coronary artery disease

COVID-19

Crohn's Disease

Cushing's Syndrome (hypercortisolism)

cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
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Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
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Insomnia
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Intracranial aneurysms
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Low bone mineral density
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Lymphoma
Mast Cell Issues / mastitis
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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