

Microbiome Information for: Halitosis

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 Halitosis

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
Actinomyces	genus	High	1654	Porphyromonas	genus	High	836
Aggregatibacter	genus	High	416916	Prevotella	genus	High	838
Alloprevotella	genus	High	1283313	Rothia	genus	Low	32207
Bacteroides	genus	High	816	Rothia	genus	Low	508215
Campylobacter	genus	High	194	Selenomonas	genus	High	970
Capnocytophaga	genus	High	1016	Solobacterium	genus	High	123375
Corynebacterium	genus	Low	1716	Streptococcus	genus	Low	1301
Dialister	genus	High	39948	Tannerella	genus	High	195950
Eubacterium	genus	High	1730	Treponema	genus	High	157
Fusobacterium	genus	High	848	Veillonella	genus	High	29465
Gemella	genus	Low	1378	Eubacteriales	order	High	186802
Haemophilus	genus	Low	724	Aggregatibacter segnis	species	High	739
Kingella	genus	Low	32257	Alloprevotella rava	species	High	671218
Leptotrichia	genus	High	32067	Bacillus altitudinis	species	High	293387
Megasphaera	genus	High	906	Fusobacterium nucleatum	species	High	851
Moryella	genus	Low	437755	Helicobacter pylori	species	High	210
Neisseria	genus	High	482	Porphyromonas gingivalis	species	High	837
Oribacterium	genus	Low	265975	Prevotella melaninogenica	species	High	28132
Parvimonas	genus	High	543311	Prevotella pallens	species	High	60133
Peptococcus	genus	High	2740	Rothia dentocariosa	species	Low	2047
Peptostreptococcus	genus	High	1257	Solobacterium moorei	species	High	102148
				Tannerella forsythia	species	High	28112

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.

Abstention from eating {Fasting}		long-term, moderate-intensity exercise {exercise}
arabinogalactan {arabinogalactan}	21 gram/day	oligosaccharides {oligosaccharides}
Avena sativa {Oats}		Outer Layers of Triticum aestivum {Wheat Bran}
bacillus		pectin {pectin}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic		Phaseolus vulgaris {Boston bean}
fruit		Pulses, Beans
fruit/legume fibre		red wine
Heyndrickxia coagulans {B. coagulans}	10 BCFU/day	red wine
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	2 gram/day	β-glucan {Beta-Glucan}
Hydrastis canadensis {Goldenseal}		β-glucan {Beta-Glucan}
Lactobacillus plantarum {L. plantarum}	60 BCFU/day	steviol glycosides {Stevia}
Linum usitatissimum {Flaxseed}	30 mg/day	steviol glycosides {Stevia}
		Tobacco consumption {Smoking}
		wheat
		β-lactoglobulin {Whey}

Retail Probiotics

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

Next Generation
 theramedix / probiotic
 biospec / probiotic-5
 1 md / complete probiotics platinum
 jarrow formula / ideal bowel support® Ip299v®
 LiveWell Nutrition / Pro-45
 NaturalPharma / Profit Probiotics
 Nutrition Essentials / Probiotic (900 BCFU)
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)
 Metabolics / Lactobacillus Plantarum Powder
 Invivo / Bio.Me Femme UT
 ImmuneBiotech Medical Sweden AB / GutMagnific®
 Ombre / Mood Enhancer
 Ombre / Healthy Gut
 Ombre / Heart Health
 Ombre / Ultimate Immunity
 BIO-BOTANICAL RESEARCH / Megacidin
 Krauterhaus / Lactopro
 Dr. Mercola / Complete Probiotics
 MegaFood / MegaFlora
 ProbiolMax® Daily DF
 Resbiotic / resB® Lung Support
 SuperSmart / Probio Forte
 SuperSmart / Candalb
 SuperSmart / Derma Relief
 SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturerized)
 SuperSmart / Lactoxira
 Eden's / 3-in-1 Synbiotic Superblend
 Bromatech(IT) / FEMELLE
 Northwest Natural Products / PB8
 Law of Nature / Best Days Formula
 Biomed / Bacillus Coagulans
 Floradapt Cardio
 Floradapt Gut Comfort
 HMF Metabolic
 Immune Defense Daily Chewable Probiotic
 Nature's Lab Cardio
 Nature's Lab Intensive GI
 Purica Probiotic Cardio
 Purica Probiotic Intensive GI
 Symprove™
 UltraFlora® Immune Booster
 UltraFlora® Intensive Care
 Maple Life Science™ / Lactobacillus plantarum
 Bulk Probiotics / L. Plantarum Probiotic Powder
 Bulk Probiotics / Bacillus Coagulans Probiotic
 corebiotic
 naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 bioglan bio (au) / happy probiotic 100
 bioglan bio (au) / happy probiotic 50
 nature's way (au) / adult vita gummies daily probiotic 80s
 nature's way (au) / restore probiotic bowel & colon health 30s

Windcove Probiotics / Ecologic®825
Jetson / FIT
Seeking Health / Probiota HistaminX
CustomProbiotics.com / L. Plantarum Probiotic Powder
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL
OMNI-BIOTIC®/ 10 AAD
OMNI-BIOTIC®/ TRAVEL
7 AM Ultra Probiotics
custom probiotics / four strain lactobacilli
custom probiotics / six strain probiotic powder
lifted naturals / mood boosting probiotic
global health trax / threelac
bioray / cytoflora
vitamin angels / just thrive
microbiome labs/ megasporebiotic
perfect pass / perfect pass probiotic bacillus spore
enviromedica terraflora sbo probiotic
nature's instincts / ultra spore probiotic
schiff / digestive advantage
nature's bounty / probioti 10
mwsb / candida yeast support
source naturals / duraflora
klaire labs / biospora
spain (es) / I3.1
goodbelly drink
optibac / for your cholesterol
organic 3 / primal soil
daiichi sankyo healthcare (jp) / panlacmin tablet
up4 / adult
up4 / women's
jarrow formula / jarro-dophilus original
thorne / bacillus coagulansvet 60 caps
bio-botanical research / proflora4r restorative probiotic
reserveage nutrition / beautiflora
natviehealthcare.com/Renewbiome Bacillus
Steris Pharma(IN)/OXABACTOR
Steris Pharma(IN)/PYLODIGEST PRO

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.

(2S)-2-amino-5-carbamimidamidopentanoic acid {arginine}

Actinidia deliciosa/chinensis {kiwifruit}

Bifidobacterium breve {B. breve}

chlorhexidine

Cichorium intybus {Chicory}

Clostridium butyricum MIYAIRI 588 {Miyarisan}

D-glucose {Glucose}

Flavan-3-ols {Epicatechin}

high red meat

isoflavones {Dietary phytoestrogens}

Lactobacillus helveticus, Lactobacillus rhamnosus

Laurus nobilis {Bay Leaf}

Morus {Mulberry }

nicotinic acid {Vitamin B-3}

Pistacia lentiscus {mastic gum}

Propolis {Bee glue}

red wine polyphenols

refined wheat breads

resveratrol-pterostilbene {grapes, blueberries}

resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}

soy

Tea tree

Under cooked animal protein {Rare meat}

Vaccinium {Cranberry}

Vsl#3 {Visibiome}

Zinc {Zinc Supplements}

Sample of Literature Used

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

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

Microorganisms , Volume: 12 Issue: 8 2024 Jul 27

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

Tongue-Coating Microbial and Metabolic Characteristics in Halitosis.

Journal of dental research , Volume: 103 Issue: 5 2024 May

Authors Zhang Y,Lo KL,Liman AN,Feng XP,Ye W

A structural color hydrogel for diagnosis of halitosis and screening of periodontitis.

Materials horizons , Volume: 11 Issue: 2 2024 Jan 22

Authors Hu C,Zhou J,Zhang J,Zhao Y,Xie C,Yin W,Xie J,Li H,Xu X,Zhao L,Qin M,Li J

Lactobacillus paracasei ET-22 and derived postbiotics reduce halitosis and modulate oral microbiome dysregulation - a randomized, double-blind placebo-controlled clinical trial.

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

Authors Wuri G,Liu F,Sun Z,Fang B,Zhao W,Hung WL,Liu WH,Zhang X,Wang R,Wu F,Zhao L,Zhang M

Efficacy of antimicrobial photodynamic therapy on the tongue surface in the management of halitosis - A real-time polymerase chain reaction analysis.

Photodiagnosis and photodynamic therapy , Volume: 39 2022 Sep

Authors Patil P,Patil L,Triveni MG,Usha GV,Shah R,Kumar ABT

Oral care tablet containing kiwifruit powder affects tongue coating microbiome.

Clinical and experimental dental research , Volume: 8 Issue: 3 2022 Jun

Authors Fukui M,Asakuma H,Horiuchi H,Takii H,Yoshioka M,Hinode D

Efficacy of Melaleuca alternifolia and chlorhexidine mouth rinses in reducing oral malodor and Solobacterium moorei levels. A 1 week, randomized, double-blind, parallel study.

Indian journal of pharmacology , Volume: 54 Issue: 2 2022 Mar-Apr

Authors Srikumar KP,Bhagyashree BN,Srirangarajan S,Ravi RJ,Vinaya R

Identification of Salivary Microorganisms and Metabolites Associated with Halitosis.

Metabolites , Volume: 11 Issue: 6 2021 Jun 7

Authors Jo JK,Seo SH,Park SE,Kim HW,Kim EJ,Na CS,Cho KM,Kwon SJ,Moon YH,Son HS

Dynamic Alterations of Oral Microbiota Related to Halitosis in Preschool Children.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Zhang Y,Zhu C,Cao G,Zhan J,Feng X,Chen X

Antimicrobial capacity of photodynamic therapy on oral health-related quality of life and halitosis among elderly patients wearing removal dentures.

Photodiagnosis and photodynamic therapy , Volume: 32 2020 Dec

Authors Labban N,Assery MK,Al-Kattan R,Al-Shibani N,Alfouzan AF,Al Taweel SM

Microbiome variations in preschool children with halitosis.

Oral diseases , Volume: 27 Issue: 4 2021 May

Authors Zhang Y,Zhu C,Feng X,Chen X

The Role of Oral Microbiota in Intra-Oral Halitosis.

Journal of clinical medicine , Volume: 9 Issue: 8 2020 Aug 2

Authors Hampelska K,Jaworska MM,Babalska ZL,Karpinski TM

The tongue microbiome in healthy subjects and patients with intra-oral halitosis.

Journal of breath research , Volume: 11 Issue: 3 2017 Sep 6

Authors Seerangaiyan K,van Winkelhoff AJ,Harmsen HJM,Rossen JWA,Winkel EG

Changes in salivary microbiota increase volatile sulfur compounds production in healthy male subjects with academic-related chronic stress.

PloS one , Volume: 12 Issue: 3 2017

Authors Nani BD,Lima PO,Marcondes FK,Groppo FC,Rolim GS,Moraes AB,Cogo-Müller K,Franz-Montan M

Identification of oral bacterial species associated with halitosis.

Journal of the American Dental Association (1939) , Volume: 138 Issue: 8 2007 Aug

Authors Haraszthy VI,Zambon JJ,Sreenivasan PK,Zambon MM,Gerber D,Rego R,Parker C

Eradication therapy in Helicobacter pylori-positive patients with halitosis: long-term outcome.

Medical principles and practice : international journal of the Kuwait University, Health Science Centre , Volume: 16 Issue: 2 2007

Authors Katsinelos P,Tziomalos K,Chatzimavroudis G,Vasiliadis T,Katsinelos T,Pilpilidis I,Triantafillidis I,Paroutoglou

G,Papaziogas B

Mulberry Leaf Extract Attenuates High-Fat Diet-Induced Obesity Through Modulation of Gut Microbiota, Intestinal Mechanical Barrier, and Inflammation.

Molecular nutrition & food research , Volume: 70 Issue: 3 2026 Feb

Authors Pan R,Wu P,Gong M,Wu S,Gu D,Yin G,He Y,Zhao J

A comparative study of the effects of high protein diets of soy and dairy on healthy aging by integrating multi-omics approaches.

Food research international (Ottawa, Ont.) , Volume: 221 Issue: Pt 1 2025 Dec

Authors Tian Z,Xu J,Song Y,Ao X,Sun X,Fu Z,Chen Y,Hou W,Sun C

Pear peel polyphenols protect against ulcerative colitis via coordinated modulation of gut microbiota and mucosal immunity.

Food & function , 2026 Jan 23

Authors Ye Y,Jiang X,Jiang Y,Zhang L,Han B,Wang Y,Liu P,Lu X,Zhang C

Lactiplantibacillus plantarum P16 mitigated murine colitis through modulation of immune response and gut microbiota.

AMB Express , 2026 Jan 17

Authors Chen Z,Cheng Q,Zhang X,Sheng Z,Shi L,Zhang Y

Divergent Oral Microbiome after Rinsing with of H2O2, Chlorhexidine and Essential Oil Mouthrinses: a Proof of Principle Study.

The Chinese journal of dental research , Volume: 28 Issue: 4 2025 Dec 31

Authors He L,He Z,Zhang Y,Wu F,Liu H,Liu XG,Zheng DX,Shao RQ,Hu L,Jiang QS

Change of oral microbiome diversity by smoking across different age groups.

Frontiers in microbiology , Volume: 16 2025

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

Supplementation of Bacillus coagulans and Tributyrin to Danzhou Chickens: Effects on Growth Performance, Antioxidant Status, Immune Response, Intestinal Health, and Cecal Microbiome.

Animals : an open access journal from MDPI , Volume: 15 Issue: 23 2025 Nov 27

Authors Yu X,Xu F,Zhao D,Chai H,Yu Y,Peng W,Xu L,Wu H

Effects of dietary supplementation with Bacillus coagulans on growth and immune performance, rumen microorganisms, and metabolites of yaks.

BMC microbiology , Volume: 25 Issue: 1 2025 Dec 8

Authors Zhang C,Luosan D,La Y,Ma X,Wu X,Chu M,Guo X,Pincuo Z,Liang C

Dietary effects of organic selenium and zinc combination on in vitro microbial dynamics in the rumen.

Journal of advanced veterinary and animal research , Volume: 12 Issue: 3 2025 Sep

Authors Anam MS,Widyobroto BP,Astuti A,Gunawan G,Agus A

Dietary Full-Fat Rice Bran or Glucose Regulates Bile Acid Circulation, Colonic Microbiota, and Short-Chain Fatty Acids in Pigs During Chronic Cold Stress.

Animals : an open access journal from MDPI , Volume: 15 Issue: 22 2025 Nov 7

Authors Zheng Y,Zhao Y,Wang Z,Sun G,Teng T,Shi B

Lactiplantibacillus plantarum Intake Reduces Gastrointestinal Tract Damage Caused by Chronic Stress in Young Rats.

ACS omega , Volume: 10 Issue: 45 2025 Nov 18

Authors Castro-Rodríguez DC,Pérez-Sánchez E,Hernández-Montes G,Oviedo-León JF,Nicolas-Toledo L

Dominant Gut Commensals Enriched by Pectin with Low Esterification Degree Orchestrate the Amelioration of Acute Ulcerative Colitis.

Journal of agricultural and food chemistry , Volume: 73 Issue: 47 2025 Nov 26

Authors Tan H,Chen M,Yao H,Li S,Nie S

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

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

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

Isochlorogenic acid derived from stevia improves antioxidant capacity, immune function and intestinal microbiota in weaned piglets.

Frontiers in veterinary science , Volume: 12 2025

Authors Wang Y,Luo Y,Zou H,Gao W,Yu B,He J,Song W,Luo Y,Zheng P,Mao X,Xuan Y,Xu M,Yu J

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

Frontiers in aging neuroscience , Volume: 17 2025

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

Dietary composition and fasting regimens differentially impact the gut microbiome and short-chain fatty acid profile in a Pakistani cohort.

Frontiers in systems biology , Volume: 5 2025

Authors Gul F,Herrema H,Ameer A,David M,Nasir A,Gerasimidis K,Ijaz UZ,Javed S

The Impact of Weizmannia coagulans BC99 on Anxiety and Depression: An 8-Week Clinical Pilot Study Through the Gut Microbiota-Brain Axis.

Nutrients , Volume: 17 Issue: 19 2025 Sep 28

Authors Tie S,Pan Y,Pang C,Saman A,Dong Y,Fang S,Zhu J,Wu Y,Gu S

Multi-omics analysis of a prebiotic intervention with pectin in lipid transfer proteins (LTPs) allergic patients.

Carbohydrate polymers , Volume: 369 2025 Dec 1

Authors Gómez F,Pérez-Sánchez N,Macías-Camero A,Núñez R,Contreras N,Cañas JA,Jiménez-Sánchez IM,Díez-Echave P,Barbas C,Guéant JL,Barber D,Vieths S,Scheurer S,Villaseñor A,Rodríguez-Nogales A,Mayorga C,Torres MJ

Effects of Treadmill Exercise on Gut Microbiota in Alzheimer's Disease Model Mice and Wild-Type Mice.

Microorganisms , Volume: 13 Issue: 8 2025 Jul 29

Authors Zhao Z,Wu X,Liu W,Zheng L,Tang C

Impact of Heyndrickxia (Bacillus) coagulans GBI-30, 6086 (BC30) probiotic on gastrointestinal function in healthy adults: a randomised controlled trial.

Beneficial microbes , 2025 Jul 22

Authors Gang H,Wei J,McFarland LV,Zahra R,Saez ME,Blanco-Rojo R,Millette M

Impact of exercise-induced alterations on gut microbiota diversity and composition: comparing effects of different training modalities.

Cell regeneration (London, England) , Volume: 14 Issue: 1 2025 Jul 2

Authors Wang Y,Bai S,Yang T,Guo J,Zhu X,Dong Y

Secoisolariciresinol diglucoside (SDG) from flaxseed meal alleviates hyperuricemia in mice by regulating uric acid metabolism and intestinal homeostasis.

Food research international (Ottawa, Ont.) , Volume: 217 2025 Oct

Authors Wang S,Chen J,Li Y,Wang Y

Impact of the Probiotic on the Modulation of Vaginal Bacterial and Fungal Microbiota in HPV-Positive Women.

Molecular nutrition & food research , 2025 Jun 11

Authors Xu P,Uma Mageswary M,Nisaa AA,Balasubramaniam SD,Samsudin SB,Rusli NIBM,Jerip ARA,Oon CE,Bakar MHA,Tan JJ,Roslan FF,Kadir MN,Ismail EHBE,Sany SB,Tan CS,Liong MT

Impact of probiotic Lactobacillus plantarum GKM3 on gastrointestinal health in overweight and obese individuals: A randomized clinical trial.

Clinical nutrition ESPEN , Volume: 68 2025 May 16

Authors Tsai YS,Lin XB,Lin SW,Chen YL,Hsu CL,Chen CC

Bifidobacterium breve HH079 alleviates early-life antibiotic-exposed colon dysbiosis in mice by restoring the gut microbiota and gut barrier function.

Food & function , 2025 Mar 27

Authors Gu Z,Lu Z,Wu JY,Xie Z,Hu R,Huang Q,Liu F,Zhang B

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

Probiotics and antimicrobial proteins , 2025 Feb 26

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

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

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

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

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

Isolated White Lupin Proteins Beneficially Modulate the Intestinal Microbiota Composition in Rats.

Nutrients , Volume: 17 Issue: 3 2025 Jan 31

Authors Rubio LA,Chiesa G

Modulating the developing gut microbiota with 2'-fucosyllactose and pooled human milk oligosaccharides.

Microbiome , Volume: 13 Issue: 1 2025 Feb 7

Authors Renwick S,Furst A,Knip M,DIABIMMUNE Study Group,Bode L,Danska JS,Allen-Vercoe E

Lactobacillus helveticus LZ-R-5 Ameliorates DSS-Induced Colitis in Mice by Modulating Gut Microbiota and Enhancing Intestinal Barrier Function.

Journal of agricultural and food chemistry , Volume: 73 Issue: 1 2025 Jan 8

Authors Zhao X,Lin T,Jiang W,Lin Y,Xiao L,Tian Y,Ma K,Zhang C,ji F,Mahsa GC,Rui X,Li W

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 Giorgo R,Caio G

Dietary fiber pectin alters the gut microbiota and diminishes the inflammatory immune responses in an experimental peach allergy mouse model.

Scientific reports , Volume: 14 Issue: 1 2024 Dec 16

Authors Steigerwald H,Albrecht M,Blissenbach B,Krause M,Wangorsch A,Schott M,Gonzalez-Menendez I,Quintanilla-Martinez L,Toda M,Vieths S,Krut O,Scheurer S,Blanco-Pérez F

Zinc oxide nanoparticles improve lactation and metabolism in dairy goats by modulating the rumen microbiota.

Frontiers in microbiology , Volume: 15 2024

Authors Xie S,Ying Z,Xiu Z,Sun Y,Yang Q,Gao H,Fan W,Wu Y

Altered interaction network in the gut microbiota of current cigarette smokers.

Engineering microbiology , Volume: 4 Issue: 2 2024 Jun

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

The probiotic *Lactobacillus plantarum* alleviates colitis by modulating gut microflora to activate PPAR γ and inhibit MAPKs/NF- κ B.

European journal of nutrition , Volume: 64 Issue: 1 2024 Nov 28

Authors Zang R,Zhou R,Li Y,Wu H,Lu L,Xu H

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

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

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

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

Authors Hindle VK,Veasley NM,Holscher HD

Wheat bran oil ameliorates high-fat diet-induced obesity in rats with alterations in gut microbiota and liver metabolite profile.

Nutrition & metabolism , Volume: 21 Issue: 1 2024 Oct 25

Authors Yan H,Kuerbanjiang M,Muheyati D,Yang Z,Han J

Synergistic Effect of Metronidazole and Chlorhexidine against *Porphyromonas gingivalis* Growth: An In Vitro Study.

Dentistry journal , Volume: 12 Issue: 10 2024 Sep 27

Authors Lorenzi C,Lio F,Mazzetti V,Carosi P,Lamelza S,Pistoia ES,Pica F,Gaziano R

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

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

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

Effects of xylo-oligosaccharide supplementation on the production performance, intestinal morphology, cecal short-chain fatty acid levels, and gut microbiota of laying hens.

Poultry science , Volume: 103 Issue: 12 2024 Dec

Authors Xiong S,Zhang K,Wang J,Bai S,Zeng Q,Liu Y,Peng H,Xuan Y,Mu Y,Tang X,Ding X

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

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

Determinants of raffinose family oligosaccharide use in *Bacteroides* species.

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

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

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*Examination of sex-specific interactions between gut microbiota and host metabolism after 12-week combined polyphenol supplementation in individuals with overweight or obesity.**Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec***Authors Jardon KM,Goossens GH,Most J,Galazzo G,Venema K,Penders J,Blaak EE*Dietary Polycan, a β -glucan originating from *Aureobasidium pullulans* SM-2001, attenuates high-fat-diet-induced intestinal barrier damage in obese mice by modulating gut microbiota dysbiosis.**Food science & nutrition , Volume: 12 Issue: 8 2024 Aug***Authors Ko GP,Unno T,Kim YS,Kim J*Propolis as a functional food and promising agent for oral health and microbiota balance: A review study.**Food science & nutrition , Volume: 12 Issue: 8 2024 Aug***Authors Etebarian A,Alhouei B,Mohammadi-Nasrabadi F,Esfarjani F*Alginate Oligosaccharides Enhance Antioxidant Status and Intestinal Health by Modulating the Gut Microbiota in Weaned Piglets.**International journal of molecular sciences , Volume: 25 Issue: 15 2024 Jul 23***Authors Liu M,Deng X,Zhao Y,Everaert N,Zhang H,Xia B,Schroyen M*Effects of dietary zinc on the gut microbiome and resistome of the gestating cow and neonatal calf.**Animal microbiome , Volume: 6 Issue: 1 2024 Jul 19***Authors Drake MJ,Daniel SG,Baker LD,Indugu N,Bittinger K,Dickens C,Zackular JP,Pitta D,Redding LE*A 90-day subchronic exposure to heated tobacco product aerosol caused differences in intestinal inflammation and microbiome dysregulation in rats.**Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco , 2024 Jul 19***Authors Tian Y,Cheng J,Yang Y,Wang H,Fu Y,Li X,Wang W,Ma S,Xu X,Lu F,Feng P,Han S,Chen H,Hou H,Hu Q,Wu C*Effects of *Lactiplantibacillus plantarum* CCFM1214 and *Ligilactobacillus salivarius* CCFM1215 on halitosis: a double-blind, randomized controlled trial.**Food & function , 2024 Jul 19***Authors Ding L,Wang Y,Jiang Z,Tang X,Mao B,Zhao J,Chen W,Zhang Q,Cui S*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*Effectiveness of Psychobiotic *Bifidobacterium breve* BB05 in Managing Psychosomatic Diarrhea in College Students by Regulating Gut Microbiota: A Randomized, Double-Blind, Placebo-Controlled Trial.**Nutrients , Volume: 16 Issue: 13 2024 Jun 22***Authors Wang Y,Wang Y,Ding K,Liu Y,Liu D,Chen W,Zhang X,Luo C,Zhang H,Xu T,Chen T*Effects of Steviol Glycosides on Growth Performance, Ruminal Fermentation and Microbial Diversity of Hu Sheep.**Animals : an open access journal from MDPI , Volume: 14 Issue: 13 2024 Jul 5***Authors Zhang J,Li X,Sha Y,Wang Z,Qi S,Zhang X,Zhao S,Jiao T*Microbiome and metabolome analyses reveal significant alterations of gut microbiota and bile acid metabolism in ETEC-challenged weaned piglets by dietary berberine supplementation.**Frontiers in microbiology , Volume: 15 2024***Authors Nie X,Lu Q,Yin Y,He Z,Bai Y,Zhu C*A neurotherapeutic approach with *Lactocaseibacillus 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*Uncovering the mechanism of *Clostridium butyricum* CBX 2021 to improve pig health based on in vivo and in vitro studies.**Frontiers in microbiology , Volume: 15 2024***Authors Liu X,Qiu X,Yang Y,Wang J,Wang Q,Liu J,Huang J,Yang F,Liu Z,Qi R*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*A Gestational Pectin Diet Could Improve the Health of Multiparous Sows by Modulating the Gut Microbiota and Cytokine Level during Late Pregnancy.

Animals : an open access journal from MDPI , Volume: 14 Issue: 11 2024 May 24

Authors Zheng J, Li S, He J, Liu H, Huang Y, Jiang X, Zhao X, Li J, Feng B, Che L, Fang Z, Xu S, Lin Y, Hua L, Zhuo Y, Wu D

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

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

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

Prebiotic galactooligosaccharide improves piglet growth performance and intestinal health associated with alterations of the hindgut microbiota during the peri-weaning period.

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

Authors Boston TE, Wang F, Lin X, Kim SW, Fellner V, Scott MF, Ziegler AL, Van Landeghem L, Blikslager AT, Odle J

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

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

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

Potential Prebiotic Properties of Whey Protein and Glycomacropeptide in Gut Microbiome.

Food science of animal resources , Volume: 44 Issue: 2 2024 Mar

Authors Rackerby B, Le HNM, Haymowicz A, Dallas DC, Park SH

Human milk oligosaccharide 2'-fucosyllactose protects against high-fat diet-induced obesity by changing intestinal mucus production, composition and degradation linked to changes in gut microbiota and faecal proteome profiles in mice.

Gut , Volume: 73 Issue: 10 2024 Sep 9

Authors Paone P, Latousakis D, Terrasi R, Vertommen D, Jian C, Borlandelli V, Suriano F, Johansson MEV, Puel A, Bouzin C, Delzenne NM, Salonen A, Juge N, Florea BI, Muccioli GG, Overkleeft H, Van Hul M, Cani PD

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

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

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

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

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, Jafari H, Delfan M

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, Abitip A, Wang R, Luciana T, Wei M, Ma X

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

Metagenomic sequencing identified microbial species in the rumen and cecum microbiome responsible for niacin treatment and related to intramuscular fat content in finishing cattle.

Frontiers in microbiology , Volume: 15 2024

Authors Yang Z, Chen X, Yu M, Jing R, Bao L, Zhao X, Pan K, Chao B, Qu M

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

Mannan-oligosaccharides promote gut microecological recovery after antibiotic disturbance.

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

Authors Chen J, Yin J, Xie H, Lu W, Wang H, Zhao J, Zhu J

Bacillus coagulans TCI711 Supplementation Improved Nonalcoholic Fatty Liver by Modulating Gut Microbiota: A Randomized, Placebo-Controlled, Clinical Trial.

Current developments in nutrition , Volume: 8 Issue: 3 2024 Mar

Authors Hsieh RH, Chien YJ, Lan WY, Lin YK, Lin YH, Chiang CF, Yang MT

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

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

Clostridium butyricum MIYAIRI 588 contributes to the maintenance of intestinal microbiota diversity early after haematopoietic cell transplantation.

Bone marrow transplantation , Volume: 59 Issue: 6 2024 Jun

Authors Fukushima K,Kudo H,Oka K,Hayashi A,Onizuka M,Kusakabe S,Hino A,Takahashi M,Takeda K,Mori M,Ando K,Hosen N

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

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

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

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

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

Effect of Lactobacillus plantarum ZFM4 in Helicobacter pylori-infected C57BL/6 mice: prevention is better than cure.

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Yu YY,Wu LY,Sun X,Gu Q,Zhou QQ

Antibacterial activity of mulberry extracts and purified fractions against oral pathogenic bacteria.

Journal of oral biosciences , Volume: 66 Issue: 2 2024 Jun

Authors Shirai T,Satoh Y,Ishihara K

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

Stachyose in combination with L. rhamnosus GG ameliorates acute hypobaric hypoxia-induced intestinal barrier dysfunction through alleviating inflammatory response and oxidative stress.

Free radical biology & medicine , Volume: 212 2024 Feb 20

Authors Ren D,Ding M,Su J,Ye J,He X,Zhang Y,Shang X

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

Human milk oligosaccharides and the association with microbiota in colostrum: a pilot study.

Archives of microbiology , Volume: 206 Issue: 2 2024 Jan 8

Authors Sun W,Tao L,Qian C,Xue P,Tong X,Yang L,Lu F,Wan H,Tao Y

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

Frontiers in physiology , Volume: 14 2023

Authors Cullen JMA,Shahzad S,Dhillon J

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

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

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

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

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

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

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

Pediatric research , Volume: 95 Issue: 6 2024 May

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

[The Inhibitory Activity of Lactobacillus plantarum Supernatant against Enterobacteria, Campylobacter, and Tumor Cells.](#)

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

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

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

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

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

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

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

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

[Gut microbiome supplementation as therapy for metabolic syndrome.](#)

World journal of diabetes , Volume: 14 Issue: 10 2023 Oct 15

Authors Antony MA, Chowdhury A, Edem D, Raj R, Nain P, Joglekar M, Verma V, Kant R

[Antitumor effect of exopolysaccharide from Lactiplantibacillus plantarum WLPL09 on melanoma mice via regulating immunity and gut microbiota.](#)

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

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

[An overview of microbial enzymatic approaches for pectin degradation.](#)

International journal of biological macromolecules , Volume: 254 Issue: Pt 1 2024 Jan

Authors Li J, Peng C, Mao A, Zhong M, Hu Z

[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, Idress H, Alshammari AS, Shommo SAM

[Effect of a Co-Feed Liquid Whey-Integrated Diet on Crossbred Pigs` Fecal Microbiota.](#)

Animals : an open access journal from MDPI , Volume: 13 Issue: 11 2023 May 25

Authors Sutera AM, Arfuso F, Tardiolo G, Riggio V, Fazio F, Aiese Cigliano R, Paytuví A, Piccione G, Zumbo A

[Modulation of pectin on intestinal barrier function via changes in microbial functional potential and bile acid metabolism.](#)

The Journal of nutritional biochemistry , Volume: 124 2024 Feb

Authors Yin C, Wen X, Dang G, Zhong R, Meng Q, Feng X, Liu L, Wu S, He J, Chen L, Zhang H

[Prebiotic potential of new sweeteners based on the simultaneous biosynthesis of galactooligosaccharides and enzymatically modified steviol glycosides.](#)

Food chemistry , Volume: 436 2024 Mar 15

Authors Muñoz-Labrador A, Kolida S, Rastall RA, Methven L, Lebrón-Aguilar R, Quintanilla-López JE, Galindo-Iranzo P, Javier Moreno F, Hernandez-Hernandez O

[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

[Early supplementation with zinc proteinate does not change rectal microbiota but increases growth performance by improving antioxidant capacity and plasma zinc concentration in preweaned dairy calves.](#)

Frontiers in veterinary science , Volume: 10 2023

Authors Liu J, Yu X, Ma F, Wo Y, Jin Y, Hashem NM, Sun P

[Biological activities, therapeutic potential, and pharmacological aspects of blackcurrants \(Ribes nigrum L\): A comprehensive review.](#)

Food science & nutrition , Volume: 11 Issue: 10 2023 Oct

Authors Ejaz A, Waliat S, Afzaal M, Saeed F, Ahmad A, Din A, Ateeq H, Asghar A, Shah YA, Rafi A, Khan MR

[The effect of physical exercise and dairy probiotics \(Lactobacillus casei\) on gut microbiome in childhood cancer survivors.](#)

Neoplasma , Volume: 70 Issue: 4 2023 Aug

Authors Bielik V, Hric I, Šmahová S, Tkaciková M, Hlaváčová V, Nechalová L, Ugrayová S, Kolenová A

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

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

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

[Genomic DNA Extracted from Lactiplantibacillus plantarum Attenuates Porphyromonas gingivalis Lipopolysaccharide \(LPS\)-Induced Inflammatory Responses via Suppression of Toll-Like Receptor \(TLR\)-Mediated Mitogen-Activated Protein Kinase](#)

(MAPK) and Nuclear Factor- κ B (NF- κ B) Signaling Pathways.

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

Authors Choi YH,Kim BS,Kang SS

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

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

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

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

Flaxseed Bioactive Compounds: Chemical Composition, Functional Properties, Food Applications and Health Benefits-Related Gut Microbes.

Foods (Basel, Switzerland) , Volume: 11 Issue: 20 2022 Oct 21

Authors Mueed A,Shibli S,Korma SA,Madjirebaye P,Esatbeyoglu T,Deng Z

Bacillus coagulans MZY531 alleviates intestinal mucosal injury in immunosuppressive mice via modulating intestinal barrier, inflammatory response, and gut microbiota.

Scientific reports , Volume: 13 Issue: 1 2023 Jul 10

Authors Zhao Z,Sun M,Cui X,Chen J,Liu C,Zhang X

Effects of organic zinc on production performance, meat quality, apparent nutrient digestibility and gut microbiota of broilers fed low-protein diets.

Scientific reports , Volume: 13 Issue: 1 2023 Jul 4

Authors Dong L,Li Y,Zhang Y,Zhang Y,Ren J,Zheng J,Diao J,Ni H,Yin Y,Sun R,Liang F,Li P,Zhou C,Yang Y

Short-Term Supplementation of Pectin Alters Substrate Dynamics and Modulates Microbial Carbohydrate Metabolism in the Gut of a Pig Model.

Journal of agricultural and food chemistry , Volume: 71 Issue: 27 2023 Jul 12

Authors Xu R,Feng N,Li Q,Wang H,Su Y,Zhu W

Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.

The Journal of nutrition , 2023 Jun 20

Authors Eudy BJ,Odle J,Lin X,Maltecca C,Walter KR,McNulty NP,Fellner V,Jacobi SK

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

Medicine , Volume: 102 Issue: 20 2023 May 19

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

Effect of the β -glucan from Lentinus edodes on colitis-associated colorectal cancer and gut microbiota.

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Liu N,Zou S,Xie C,Meng Y,Xu X

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

In Vitro and In Vivo Study of Combined Effect of Some Algerian Medicinal Plants and Probiotics against Helicobacter pylori.

Microorganisms , Volume: 11 Issue: 5 2023 May 8

Authors Hasna B,Houari H,Koula D,Marina S,Emilia U,Assia B

Comparative Evaluation of the Inhibitory Effect of Lactobacillus rhamnosus on Halitosis-Causing Bacteria: An Invitro Microbiological Study.

Cureus , Volume: 15 Issue: 5 2023 May

Authors Patil AV,Shetty SS,Padhye AM

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

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

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

The Impact of Smoking on Microbiota: A Narrative Review.

Biomedicines , Volume: 11 Issue: 4 2023 Apr 10

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

The Effect of Dietary Supplementation with Zinc Amino Acids on Immunity, Antioxidant Capacity, and Gut Microbiota Composition in Calves.

Animals : an open access journal from MDPI , Volume: 13 Issue: 9 2023 May 8

Authors Hou P,Li B,Wang Y,Li D,Huang X,Sun W,Liang X,Zhang E

Prevention of High-Fat-Diet-Induced Dyslipidemia by Lactobacillus plantarum LP104 through Mediating Bile Acid Enterohepatic Axis Circulation and Intestinal Flora.

Journal of agricultural and food chemistry , Volume: 71 Issue: 19 2023 May 17

Authors Wang Y,Xing X, Ma Y, Fan Y, Zhang Y, Nan B, Li X, Wang Y, Liu J

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

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

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

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

Frontiers in immunology , Volume: 14 2023

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

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

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

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

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

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

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

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

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

Blueberry-Mulberry Extract Alleviates Cognitive Impairment, Regulates Gut Metabolites, and Inhibits Inflammation in Aged Mice.

Foods (Basel, Switzerland) , Volume: 12 Issue: 4 2023 Feb 17

Authors Li H, Xiao C, Wang F, Guo X, Zhou Z, Jiang Y

Characterization of the Nero Siciliano Pig Fecal Microbiota after a Liquid Whey-Supplemented Diet.

Animals : an open access journal from MDPI , Volume: 13 Issue: 4 2023 Feb 12

Authors Tardiolo G, Romeo O, Zumbo A, Di Marsico M, Sutura AM, Cigliano RA, Paytuví A, D'Alessandro E

Intestinal microbial composition changes induced by Lactobacillus plantarum GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.

Journal of animal science and technology , Volume: 64 Issue: 6 2022 Nov

Authors Yu DY, Oh SH, Kim IS, Kim GI, Kim JA, Moon YS, Jang JC, Lee SS, Jung JH, Park J, Cho KK

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

Red and White Meat Intake in Relation to Gut Flora in Obese and Non-Obese Arab Females.

Foods (Basel, Switzerland) , Volume: 12 Issue: 2 2023 Jan 5

Authors Almajed J, Al-Musharaf S, Abudawood M, Sabico S, Aljazairy EA, Aljuraiban GS

Bacillus amyloliquefaciens 40 regulates piglet performance, antioxidant capacity, immune status and gut microbiota.

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

Authors Jiang Z, Su W, Li W, Wen C, Du S, He H, Zhang Y, Gong T, Wang X, Wang Y, Jin M, Lu Z

Effects of oat (Avena sativa L.) hay diet supplementation on the intestinal microbiome and metabolome of Small-tail Han sheep.

Frontiers in microbiology , Volume: 13 2022

Authors Su S, Wang L, Fu S, Zhao J, He X, Chen Q, Belobrajdic DP, Yu C, Liu H, Wu H, Han P, Yang B, Huang Y, Liu Y, He J

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

[Pectin supplement alleviates gut injury potentially through improving gut microbiota community in piglets.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Dang G,Wang W,Zhong R,Wu W,Chen L,Zhang H

[Intermittent Fasting Alleviates Risk Markers in a Murine Model of Ulcerative Colitis by Modulating the Gut Microbiome and Metabolome.](#)

Nutrients , Volume: 14 Issue: 24 2022 Dec 14

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

[Reduction of Redox Potential Exerts a Key Role in Modulating Gut Microbial Taxa and Function by Dietary Supplementation of Pectin in a Pig Model.](#)

Microbiology spectrum , Volume: 11 Issue: 1 2023 Feb 14

Authors Xu R,Li Q,Wang H,Su Y,Zhu W

[Polysaccharides from red kidney bean alleviating hyperglycemia and hyperlipidemia in type 2 diabetic rats via gut microbiota and lipid metabolic modulation.](#)

Food chemistry , Volume: 404 Issue: Pt A 2023 Mar 15

Authors Bai Z,Huang X,Wu G,Ye H,Huang W,Nie Q,Chen H,Yin J,Chen Y,Nie S

[Influence of Flax Seeds on the Gut Microbiota of Elderly Patients with Constipation.](#)

Journal of multidisciplinary healthcare , Volume: 15 2022

Authors Ma J,Sun J,Bai H,Ma H,Wang K,Wang J,Yu X,Pan Y,Yao J

[A red wine intervention does not modify plasma trimethylamine N-oxide but is associated with broad shifts in the plasma metabolome and gut microbiota composition.](#)

The American journal of clinical nutrition , Volume: 116 Issue: 6 2022 Dec 19

Authors Haas EA,Saad MJA,Santos A,Vitolo N,Lemos WJF,Martins AMA,Picossi CRC,Favarato D,Gaspar RS,Magro DO,Libby P,Laurindo FRM,Da Luz PL,WineFlora Study

[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

[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

[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

[Impact of Lycium barbarum arabinogalactan on the fecal metabolome in a DSS-induced chronic colitis mouse model.](#)

Food & function , Volume: 13 Issue: 16 2022 Aug 15

Authors Cao C,Wang L,Ai C,Gong G,Wang Z,Huang L,Song S,Zhu B

[Beta-Glucan Alters Gut Microbiota and Plasma Metabolites in Pre-Weaning Dairy Calves.](#)

Metabolites , Volume: 12 Issue: 8 2022 Jul 26

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

[Lactobacillus plantarum Alleviates Obesity by Altering the Composition of the Gut Microbiota in High-Fat Diet-Fed Mice.](#)

Frontiers in nutrition , Volume: 9 2022

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

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

Nutrients , Volume: 14 Issue: 13 2022 Jun 30

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

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

Food & nutrition research , Volume: 66 2022

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

[Effect of dietary Bacillus coagulans on the performance and intestinal microbiota of weaned piglets.](#)

Animal : an international journal of animal bioscience , Volume: 16 Issue: 7 2022 Jul

Authors Sun T,Miao H,Zhang C,Wang Y,Liu S,Jiao P,Li W,Li Y,Huang Z

Beneficial Effects of Linseed Supplementation on Gut Mucosa-Associated Microbiota in a Physically Active Mouse Model of Crohn's Disease.

International journal of molecular sciences , Volume: 23 Issue: 11 2022 May 24

Authors Plissonneau C,Sivignon A,Chassaing B,Capel F,Martin V,Etienne M,Wawrzyniak I,Chausse P,Dutheil F,Maïresse G,Chesneau G,Boisseau N,Barnich N

Immunological Activity and Gut Microbiota Modulation of Pectin from Kiwano (Cucumis metuliferus) Peels.

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

Authors Zhu M,Song Y,Martínez-Cuesta MC,Peláez C,Li E,Requena T,Wang H,Sun Y

Miia Improves Osteoarthritis Characteristics via the Gut-Muscle-Joint Axis According to Multi-Omics Analyses.

Frontiers in pharmacology , Volume: 13 2022

Authors Xu T,Yang D,Liu K,Gao Q,Liu Z,Li G

Combination of Houttuynia cordata polysaccharide and Lactiplantibacillus plantarum P101 alleviates acute liver injury by regulating gut microbiota in mice.

Journal of the science of food and agriculture , Volume: 102 Issue: 15 2022 Dec

Authors Xu X,Liu S,Zhao Y,Wang M,Hu L,Li W,Xu H

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

Oat β Glucan Ameliorates Renal Function and Gut Microbiota in Diabetic Rats.

Frontiers in nutrition , Volume: 9 2022

Authors Wang R,Zhang Z,Aihemaitijiang S,Ye C,Halimulati M,Huang X,Qin H

Arginine-mediated gut microbiome remodeling promotes host pulmonary immune defense against nontuberculous mycobacterial infection.

Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec

Authors Kim YJ,Lee JY,Lee JJ,Jeon SM,Silwal P,Kim IS,Kim HJ,Park CR,Chung C,Han JE,Choi JW,Tak EJ,Yoo JH,Jeong SW,Kim DY,Ketphan W,Kim SY,Jhun BW,Whang J,Kim JM,Eoh H,Bae JW,Jo EK

Oral care tablet containing kiwifruit powder affects tongue coating microbiome.

Clinical and experimental dental research , Volume: 8 Issue: 3 2022 Jun

Authors Fukui M,Asakuma H,Horiuchi H,Takii H,Yoshioka M,Hinode D

A Three-Day Intervention With Granola Containing Cereal Beta-Glucan Improves Glycemic Response and Changes the Gut Microbiota in Healthy Individuals: A Crossover Study.

Frontiers in nutrition , Volume: 9 2022

Authors Telle-Hansen VH,Gaundal L,Høgvard B,Ulven SM,Holven KB,Byfuglien MG,Måge I,Knutsen SH,Ballance S,Rieder A,Rud I,Myhrstad MCW

Bacillus amyloliquefaciens SC06 alleviates the obesity of ob/ob mice and improves their intestinal microbiota and bile acid metabolism.

Food & function , Volume: 13 Issue: 9 2022 May 10

Authors Zeng Z,Zhou Y,Xu Y,Wang S,Wang B,Zeng Z,Wang Q,Ye X,Jin L,Yue M,Tang L,Zou P,Zhao P,Li W

Relandscaping the Gut Microbiota with a Whole Food: Dose-Response Effects to Common Bean.

Foods (Basel, Switzerland) , Volume: 11 Issue: 8 2022 Apr 15

Authors Lutsiv T,McGinley JN,Neil-McDonald ES,Weir TL,Foster MT,Thompson HJ

In Vitro Gut Fermentation of Whey Protein Hydrolysate: An Evaluation of Its Potential Modulation on Infant Gut Microbiome.

Nutrients , Volume: 14 Issue: 7 2022 Mar 25

Authors Feng C,Tian L,Hong H,Wang Q,Zhan X,Luo Y,Tan Y

Effects of Ramadan and Non-ramadan Intermittent Fasting on Gut Microbiome.

Frontiers in nutrition , Volume: 9 2022

Authors Mousavi SN,Rayyani E,Heshmati J,Tavasolian R,Rahimlou M

Integrated metagenomics-metabolomics analysis reveals the cecal microbial composition, function, and metabolites of pigs fed diets with different starch sources.

Food research international (Ottawa, Ont.) , Volume: 154 2022 Apr

Authors Yu M,Li Z,Rong T,Tian Z,Deng D,Lu H,Zhang R,Ma X

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

Coated Zinc Oxide Improves Growth Performance of Weaned Piglets via Gut Microbiota.

Frontiers in nutrition , Volume: 9 2022

Authors Sun Y,Ma N,Qi Z,Han M,Ma X

Berberine ameliorates DSS-induced intestinal mucosal barrier dysfunction through microbiota-dependence and Wnt/ β -catenin pathway.

International journal of biological sciences , Volume: 18 Issue: 4 2022

Authors Dong Y,Fan H,Zhang Z,Jiang F,Li M,Zhou H,Guo W,Zhang Z,Kang Z,Gui Y,Shou Z,Li J,Zhu R,Fu Y,Sarapultsev A,Wang H,Luo S,Zhang G,Hu D

Effects of Whole Brown Bean and Its Isolated Fiber Fraction on Plasma Lipid Profile, Atherosclerosis, Gut Microbiota, and Microbiota-Dependent Metabolites in Apoe(-/-) Mice.

Nutrients , Volume: 14 Issue: 5 2022 Feb 22

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

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

Pre-Administration of Berberine Exerts Chemopreventive Effects in AOM/DSS-Induced Colitis-Associated Carcinogenesis Mice via Modulating Inflammation and Intestinal Microbiota.

Nutrients , Volume: 14 Issue: 4 2022 Feb 9

Authors Deng J,Zhao L,Yuan X,Li Y,Shi J,Zhang H,Zhao Y,Han L,Wang H,Yan Y,Zhao H,Wang H,Zou F

Cigarette Smoking and Human Gut Microbiota in Healthy Adults: A Systematic Review.

Biomedicines , Volume: 10 Issue: 2 2022 Feb 21

Authors Antinozzi M,Giffi M,Sini N,Gallè F,Valeriani F,De Vito C,Liguori G,Romano Spica V,Cattaruzza MS

Effect of Clostridium butyricum on Gastrointestinal Infections.

Biomedicines , Volume: 10 Issue: 2 2022 Feb 18

Authors Ariyoshi T,Hagihara M,Takahashi M,Mikamo H

Morus alba L. water extract changes gut microbiota and fecal metabolome in mice induced by high-fat and high-sucrose diet plus low-dose streptozotocin.

Phytotherapy research : PTR , Volume: 36 Issue: 3 2022 Mar

Authors Du Y,Li DX,Lu DY,Zhang R,Zheng XX,Xu BJ,Zhao YL, Ji S,Guo MZ,Wang L,Tang DQ

Effects of Berberine on Gut Microbiota in Patients with Mild Metabolic Disorders Induced by Olanzapine.

The American journal of Chinese medicine , Volume: 49 Issue: 8 2021

Authors Pu Z,Sun Y,Jiang H,Hou Q,Yan H,Wen H,Li G

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

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

Gut microbiota modulation as a possible mediating mechanism for fasting-induced alleviation of metabolic complications: a systematic review.

Nutrition & metabolism , Volume: 18 Issue: 1 2021 Dec 14

Authors Angoorani P,Ejtahed HS,Hasani-Ranjbar S,Siadat SD,Soroush AR,Larijani B

Saccharomyces boulardii Combined With Quadruple Therapy for Helicobacter pylori Eradication Decreased the Duration and Severity of Diarrhea: A Multi-Center Prospective Randomized Controlled Trial.

Frontiers in medicine , Volume: 8 2021

Authors Zhao Y,Yang Y,Aruna,Xiao J,Song J,Huang T,Li S,Kou J,Huang L, Ji D,Xiong S,Peng W,Xu S,Cheng B

Bacillus subtilis Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with Schistosoma japonicum.

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

An in-vitro comparison of four antibacterial agents with and without nicotine and their effects on human gingival fibroblasts.

Journal of periodontology , 2021 Dec 2

Authors Batra C,Alalshaikh M,Gregory RL,Windsor LJ,Blanchard SB,Hamada Y

Protective Effects of Bacillus amyloliquefaciens 40 Against Clostridium perfringens Infection in Mice.

Frontiers in nutrition , Volume: 8 2021

Authors Jiang Z,Li W,Su W,Wen C,Gong T,Zhang Y,Wang Y,Jin M,Lu Z

Effect of Long-Term and Short-Term Imbalanced Zn Manipulation on Gut Microbiota and Screening for Microbial Markers Sensitive to Zinc Status.

Microbiology spectrum , Volume: 9 Issue: 3 2021 Dec 22

Authors Chen L,Wang Z,Wang P,Yu X,Ding H,Wang Z,Feng J

Lactobacillus plantarum CCFM1143 Alleviates Chronic Diarrhea via Inflammation Regulation and Gut Microbiota Modulation: A Double-Blind, Randomized, Placebo-Controlled Study.

Frontiers in immunology , Volume: 12 2021

Authors Yang B,Yue Y,Chen Y,Ding M,Li B,Wang L,Wang Q,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

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

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

Epigallocatechin Gallate (EGCG) Promotes the Immune Function of Ileum in High Fat Diet Fed Mice by Regulating Gut Microbiome Profiling and Immunoglobulin Production.

Frontiers in nutrition , Volume: 8 2021

Authors Liu X,Zhao K,Jing N,Kong Q,Yang X

Berberine Alleviates Non-alcoholic Steatohepatitis Through Modulating Gut Microbiota Mediated Intestinal FXR Activation.

Frontiers in pharmacology , Volume: 12 2021

Authors Shu X,Li M,Cao Y,Li C,Zhou W,ji G,Zhang L

The Gut Microbiota during a Behavioral Weight Loss Intervention.

Nutrients , Volume: 13 Issue: 9 2021 Sep 18

Authors Stanislawski MA, Frank DN, Borengasser SJ, Ostendorf DM, Ir D, Jambal P, Bing K, Wayland L, Siebert JC, Bessesen DH, MacLean PS, Melanson EL, Catenacci VA

Effect of Niacin on Growth Performance, Intestinal Morphology, Mucosal Immunity and Microbiota Composition in Weaned Piglets.

Animals : an open access journal from MDPI , Volume: 11 Issue: 8 2021 Jul 23

Authors Liu S,Zhu X,Qiu Y,Wang L,Shang X,Gao K,Yang X,Jiang Z

Effects of Short-Term Dietary Fiber Intervention on Gut Microbiota in Young Healthy People.

Diabetes, metabolic syndrome and obesity : targets and therapy , Volume: 14 2021

Authors Tian T,Zhang X,Luo T,Wang D,Sun Y,Dai 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

Pectin and homogalacturonan with small molecular mass modulate microbial community and generate high SCFAs via in vitro gut fermentation.

Carbohydrate polymers , Volume: 269 2021 Oct 1

Authors Zhao Y,Bi J,Yi J,Wu X,Ma Y,Li R

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

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

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

The interplay between fasting, gut microbiota, and lipid profile.

International journal of clinical practice , Volume: 75 Issue: 10 2021 Oct

Authors Mohammadzadeh A,Roshanravan N,Mesri Alamdari N,Safaiyan A,Mosharkesh E,Hadi A,Barati M,Ostadrahimi A

Effects of Wine and Its Microbial-Derived Metabolites on Intestinal Permeability Using Simulated Gastrointestinal Digestion/Colonic Fermentation and Caco-2 Intestinal Cell Models.

Microorganisms , Volume: 9 Issue: 7 2021 Jun 24

Authors Zorraquín-Peña I,Taladrid D,Tamargo A,Silva M,Molinero N,de Llano DG,Bartolomé B,Moreno-Arribas MV

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

Effects of *Bacillus amyloliquefaciens* Instead of Antibiotics on Growth Performance, Intestinal Health, and Intestinal Microbiota of Broilers.

Frontiers in veterinary science , Volume: 8 2021

Authors Wang B,Zhou Y,Tang L,Zeng Z,Gong L,Wu Y,Li WF

Dietary resveratrol attenuation of intestinal inflammation and oxidative damage is linked to the alteration of gut microbiota and butyrate in piglets challenged with deoxynivalenol.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 16

Authors Qiu Y,Yang J,Wang L,Yang X,Gao K,Zhu C,Jiang Z

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

Modulatory Effects of *Bacillus subtilis* on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying Hens.

Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 24

Authors Zhang G,Wang H,Zhang J,Tang X,Raheem A,Wang M,Lin W,Liang L,Qi Y,Zhu Y,Jia Y,Cui S,Qin T

Effects of Dietary Inclusion of Dry *Hydrastis canadensis* on Laying Performance, Egg Quality, Serum Biochemical Parameters and Cecal Microbiota in Laying Hens.

Animals : an open access journal from MDPI , Volume: 11 Issue: 5 2021 May 13

Authors Tzeng TJ,Liu TY,Lin CW,Chang PE,Liao PX,Yang WY,Cheng CY,Liao PC,Chiang WD,Ding ST,Lin YY

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

Beneficial gut microbiome remodeled during intermittent fasting in humans.

Rejuvenation research , 2021 May 27

Authors Larrick JW,Mendelsohn AR,Larrick J

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

Tobacco Smoking and the Fecal Microbiome in a Large, Multi-ethnic Cohort.

Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology , Volume: 30 Issue: 7 2021 Jul

Authors Prakash A,Peters BA,Cobbs E,Beggs D,Choi H,Li H,Hayes RB,Ahn J

A multi-omics approach for understanding the effects of moderate wine consumption on human intestinal health.

Food & function , Volume: 12 Issue: 9 2021 May 11

Authors Belda I,Cueva C,Tamargo A,Ravarani CN,Acedo A,Bartolomé B,Moreno-Arribas MV

Resveratrol Prevents *Campylobacter jejuni*-Induced Leaky gut by Restoring Occludin and Claudin-5 in the Paracellular Leak Pathway.

Frontiers in pharmacology , Volume: 12 2021

Authors Lobo de Sá FD,Heimesaat MM,Bereswill S,Natramilarasu PK,Schulzke JD,Bücker R

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

Biology , Volume: 10 Issue: 4 2021 Apr 20

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

A comprehensive review on the impact of β -glucan metabolism by *Bacteroides* and *Bifidobacterium* species as members of the gut microbiota.

International journal of biological macromolecules , Volume: 181 2021 Jun 30

Authors Fernandez-Julia PJ,Munoz-Munoz J,van Sinderen D

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

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

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

Remodeling of the gut microbiome during Ramadan-associated intermittent fasting.

The American journal of clinical nutrition , Volume: 113 Issue: 5 2021 May 8

Authors Su J,Wang Y,Zhang X,Ma M,Xie Z,Pan Q,Ma Z,Peppelenbosch MP

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

Ramadan Fasting Leads to Shifts in Human Gut Microbiota Structured by Dietary Composition.

Frontiers in microbiology , Volume: 12 2021

Authors Ali I,Liu K,Long D,Faisal S,Hilal MG,Ali I,Huang X,Long R

Navy Bean Supplementation in Established High-Fat Diet-Induced Obesity Attenuates the Severity of the Obese Inflammatory Phenotype.

Nutrients , Volume: 13 Issue: 3 2021 Feb 26

Authors Monk JM,Wu W,Lepp D,Pauls KP,Robinson LE,Power KA

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

Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With *Bacillus subtilis*-Fermented Milk via Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.

Frontiers in microbiology , Volume: 11 2020

Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R

Berberine ameliorates ovariectomy-induced anxiety-like behaviors by enrichment in equol generating gut microbiota.

Pharmacological research , Volume: 165 2021 Mar

Authors Fang Y,Zhang J,Zhu S,He M,Ma S,Jia Q,Sun Q,Song L,Wang Y,Duan L

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

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

Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (*Gallus gallus*): A Systematic Review.

Nutrients , Volume: 13 Issue: 1 2021 Jan 9

Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E

Selective Utilization of the Human Milk Oligosaccharides 2'-Fucosyllactose, 3-Fucosyllactose, and Difucosyllactose by Various Probiotic and Pathogenic Bacteria.

Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13

Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Angenius H,Maukonen J

Berberine improves colitis by triggering AhR activation by microbial tryptophan catabolites.

Pharmacological research , Volume: 164 2021 Feb

Authors Jing W,Dong S,Luo X,Liu J,Wei B,Du W,Yang L,Luo H,Wang Y,Wang S,Lu H

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

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

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

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

Highland Barley Whole Grain (*Hordeum vulgare* L.) Ameliorates Hyperlipidemia by Modulating Cecal Microbiota, miRNAs, and AMPK Pathways in Leptin Receptor-Deficient db/db Mice.

Journal of agricultural and food chemistry , Volume: 68 Issue: 42 2020 Oct 21

Authors Deng N,He Z,Guo R,Zheng B,Li T,Liu RH

In Vitro Digestion and Fermentation by Human Fecal Microbiota of Polysaccharides from Flaxseed.

Molecules (Basel, Switzerland) , Volume: 25 Issue: 19 2020 Sep 23

Authors Zhou X,Zhang Z,Huang F,Yang C,Huang Q

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

Berberine alleviates type 2 diabetic symptoms by altering gut microbiota and reducing aromatic amino acids.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 131 2020 Nov

Authors Yao Y,Chen H,Yan L,Wang W,Wang D

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

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,García-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ

Antimicrobial Effect of Natural Berry Juices on Common Oral Pathogenic Bacteria.

Antibiotics (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Aug 24

Authors Kranz S,Guellmar A,Olschowsky P,Torndorf-Martini S,Heyder M,Pfister W,Reise M,Sigusch B

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

Suppression of Helicobacter pylori infection by daily cranberry intake: A double-blind, randomized, placebo-controlled trial.

Journal of gastroenterology and hepatology , Volume: 36 Issue: 4 2021 Apr

Authors Li ZX,Ma JL,Guo Y,Liu WD,Li M,Zhang LF,Zhang Y,Zhou T,Zhang JY,Gao HE,Guo XY,Ye DM,Li WQ,You WC,Pan KF

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

Dietary α -Linolenic Acid-Rich Flaxseed Oil Exerts Beneficial Effects on Polycystic Ovary Syndrome Through Sex Steroid Hormones-Microbiota-Inflammation Axis in Rats.

Frontiers in endocrinology , Volume: 11 2020

Authors Wang T,Sha L,Li Y,Zhu L,Wang Z,Li K,Lu H,Bao T,Guo L,Zhang X,Wang H

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

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,Porras D,Juárez-Fernández M,Martínez-Flórez S,García-Mediavilla MV,de Paz JA,González-Gallego J,Sánchez-Campos S,Cuevas MJ

Butyrate producing colonic Clostridiales metabolise human milk oligosaccharides and cross feed on mucin via conserved pathways.

Nature communications , Volume: 11 Issue: 1 2020 Jul 3

Authors Pichler MJ,Yamada C,Shuoker B,Alvarez-Silva C,Gotoh A,Leth ML,Schoof E,Katoh T,Sakanaka M,Katayama T,Jin C,Karlsson NG,Arumugam M,Fushinobu S,Abou Hachem M

Soy food intake associates with changes in the metabolome and reduced blood pressure in a gut microbiota dependent manner.

Nutrition, metabolism, and cardiovascular diseases : NMCD , 2020 May 18

Authors Shah RD,Tang ZZ,Chen G,Huang S,Ferguson JF

Effect of chitooligosaccharides on human gut microbiota and antiglycation.

Carbohydrate polymers , Volume: 242 2020 Aug 15

Authors Liu W,Li X,Zhao Z,Pi X,Meng Y,Fei D,Liu D,Wang X

Time-restricted feeding is associated with changes in human gut microbiota related to nutrient intake.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 78 2020 Oct

Authors Zeb F,Wu X,Chen L,Fatima S,Ijaz-Ul-Haq,Chen A,Xu C,Jianglei R,Feng Q,Li M

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

Dietary supplementation with Lactobacillus plantarum modified gut microbiota, bile acid profile and glucose homoeostasis in weaning piglets.

The British journal of nutrition , Volume: 124 Issue: 8 2020 Oct 28

Authors Lin S,Yang X,Long Y,Zhong H,Wang P,Yuan P,Zhang X,Che L,Feng B,Li J,Zhuo Y,Lin Y,Xu S,Wu D,Fang Z

Unsaturated alginate oligosaccharides attenuated obesity-related metabolic abnormalities by modulating gut microbiota in high-fat-diet mice.

Food & function , Volume: 11 Issue: 5 2020 May 1

Authors Li S,Wang L,Liu B,He N

The Protective Effects of 2'-Fucosyllactose against E. Coli O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.

Nutrients , Volume: 12 Issue: 5 2020 May 1

Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S

Effect of stevia on the gut microbiota and glucose tolerance in a murine model of diet-induced obesity.

FEMS microbiology ecology , Volume: 96 Issue: 6 2020 Jun 1

Authors Becker SL,Chiang E,Plantinga A,Carey HV,Suen G,Swoap SJ

Alleviation effects of Bifidobacterium breve on DSS-induced colitis depends on intestinal tract barrier maintenance and gut microbiota modulation.

European journal of nutrition , 2020 Apr 29

Authors Chen Y,Jin Y,Stanton C,Paul Ross R,Zhao J,Zhang H,Yang B,Chen W

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

Lactobacillus plantarum NA136 ameliorates nonalcoholic fatty liver disease by modulating gut microbiota, improving intestinal barrier integrity, and attenuating inflammation.

Applied microbiology and biotechnology , Volume: 104 Issue: 12 2020 Jun

Authors Zhao Z,Chen L,Zhao Y,Wang C,Duan C,Yang G,Niu C,Li S

Modulation of Pectin on Mucosal Innate Immune Function in Pigs Mediated by Gut Microbiota.

Microorganisms , Volume: 8 Issue: 4 2020 Apr 8

Authors Wu W,Zhang L,Xia B,Tang S,Xie J,Zhang H

2'-fucosyllactose Supplementation Improves Gut-Brain Signaling and Diet-Induced Obese Phenotype and Changes the Gut Microbiota in High Fat-Fed Mice.

Nutrients , Volume: 12 Issue: 4 2020 Apr 5

Authors Lee S,Goodson M,Vang W,Kalanetra K,Barile D,Raybould H

Effectiveness of an oral care tablet containing kiwifruit powder in reducing oral bacteria in tongue coating: A crossover trial.

Clinical and experimental dental research , Volume: 6 Issue: 2 2020 Apr

Authors Matsumura Y,Hinode D,Fukui M,Yoshioka M,Asakuma H,Takii H

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

Clinical rheumatology , Volume: 39 Issue: 9 2020 Sep

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

In vitro rumen fermentation of feed substrates added with chestnut tannins or an extract from Stevia rebaudiana Bertoni.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 6 Issue: 1 2020 Mar

Authors Sarnataro C,Spanghero M

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

Structural changes in gut microbiome after Ramadan fasting: a pilot study.

Beneficial microbes , Volume: 11 Issue: 3 2020 May 11

Authors Ozkul C,Yalinay M,Karakan T

[Anti-obesity effects of \$\alpha\$ -amylase inhibitor enriched-extract from white common beans \(*Phaseolus vulgaris* L.\) associated with the modulation of gut microbiota composition in high-fat diet-induced obese rats.](#)

Food & function , Volume: 11 Issue: 2 2020 Feb 26

Authors Shi Z,Zhu Y,Teng C,Yao Y,Ren G,Richel A

[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

[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

[Islamic fasting leads to an increased abundance of *Akkermansia muciniphila* and *Bacteroides fragilis* group: A preliminary study on intermittent fasting.](#)

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 30 Issue: 12 2019 Dec

Authors Özkul C,Yalinay M,Karakan T

[Chronic oral exposure to glycated whey proteins increases survival of aged male NOD mice with autoimmune prostatitis by regulating the gut microbiome and anti-inflammatory responses.](#)

Food & function , Volume: 11 Issue: 1 2020 Jan 29

Authors Chen Y,Guo KM,Nagy T,Guo TL

[Dietary *Saccharomyces cerevisiae* boulardii CNCM I-1079 Positively Affects Performance and Intestinal Ecosystem in Broilers during a *Campylobacter jejuni* Infection.](#)

Microorganisms , Volume: 7 Issue: 12 2019 Nov 21

Authors Massacci FR,Lovito C,Tofani S,Tentellini M,Genovese DA,De Leo AAP,Papa P,Magistrali CF,Manuali E,Trabalza-Marinucci M,Moscato L,Forte C

[Lactobacillus helveticus R0052 alleviates liver injury by modulating gut microbiome and metabolome in D-galactosamine-treated rats.](#)

Applied microbiology and biotechnology , Volume: 103 Issue: 23-24 2019 Dec

Authors Wang Q,Lv L,Jiang H,Wang K,Yan R,Li Y,Ye J,Wu J,Wang Q,Bian X,Yang L,Jiang X,Xie J,Lu Y,Shen J,Li L

[Role of the Gut Microbiota and Their Metabolites in Modulating the Cholesterol-Lowering Effects of Citrus Pectin Oligosaccharides in C57BL/6 Mice.](#)

Journal of agricultural and food chemistry , Volume: 67 Issue: 43 2019 Oct 30

Authors Hu H,Zhang S,Liu F,Zhang P,Muhammad Z,Pan S

[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

[Bacillus coagulans R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs.](#)

Environmental pollution (Barking, Essex : 1987) , Volume: 255 Issue: Pt 2 2019 Sep 13

Authors Xing SC,Huang CB,Mi JD,Wu YB,Liao XD

[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

[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

[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,Kalliokoski KK,Hannukainen JC

[Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.](#)

Frontiers in immunology , Volume: 10 2019

Authors Azagra-Boronat I, Massot-Cladera M, Mayneris-Perxachs J, Knipping K, Van't Land B, Tims S, Stahl B, Garssen J, Franch À, Castell M, Rodríguez-Lagunas MJ, Pérez-Cano FJ

[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

[Different duck products protein on rat physiology and gut microbiota.](#)

Journal of proteomics , Volume: 206 2019 Jun 29

Authors Wei T, Dang Y, Cao J, Wu Z, He J, Sun Y, Pan D, Tian Z

[Flaxseed diet caused inflammation by altering the gut microbiota of Peking ducks.](#)

Animal biotechnology , Volume: 31 Issue: 6 2020 Dec

Authors Wu Y, Wang Y, Yin D, Shahid MS, Yuan J

[The Combination of Wheat Peptides and Fucoidan Protects Against Chronic Superficial Gastritis and Regulates Gut Microbiota: A Double-blinded, Placebo-controlled Study \(P06-104-19\).](#)

Current developments in nutrition , Volume: 3 Issue: Suppl 1 2019 Jun

Authors Kan J, Du J

[Lactobacillus sp. improved microbiota and metabolite profiles of aging rats.](#)

Pharmacological research , Volume: 146 2019 Aug

Authors Hor YY, Low LC, Jaafar MH, Lau AS, Ong JS, Kato T, Nakanishi Y, Azzam G, Azlan A, Ohno H, Liong MT

[Navy bean supplemented high-fat diet improves intestinal health, epithelial barrier integrity and critical aspects of the obese inflammatory phenotype.](#)

The Journal of nutritional biochemistry , Volume: 70 2019 Aug

Authors Monk JM, Wu W, Lepp D, Wellings HR, Hutchinson AL, Liddle DM, Graf D, Pauls KP, Robinson LE, Power KA

[Bacteroides thetaiotaomicron Starch Utilization Promotes Quercetin Degradation and Butyrate Production by Eubacterium ramulus.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Rodríguez-Castaño GP, Dorris MR, Liu X, Bolling BW, Acosta-Gonzalez A, Rey FE

[Microbiome-Metabolomics Analysis Investigating the Impacts of Dietary Starch Types on the Composition and Metabolism of Colonic Microbiota in Finishing Pigs.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Yu M, Li Z, Chen W, Rong T, Wang G, Ma X

[Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in Citrobacter rodentium Infected Mice.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Lin R, Piao M, Song Y

[The role of short-chain fatty acids in microbiota-gut-brain communication.](#)

Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug

Authors Dalile B, Van Oudenhove L, Vervliet B, Verbeke K

[Fermented Momordica charantia L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.](#)

Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul

Authors Gao H, Wen JJ, Hu JL, Nie QX, Chen HH, Xiong T, Nie SP, Xie MY

[ZnO nanoparticles inhibit the activity of Porphyromonas gingivalis and Actinomyces naeslundii and promote the mineralization of the cementum.](#)

BMC oral health , Volume: 19 Issue: 1 2019 May 14

Authors Wang J, Du L, Fu Y, Jiang P, Wang X

[Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.](#)

PloS one , Volume: 14 Issue: 5 2019

Authors Miljkovic M, Jovanovic S, O'Connor PM, Mirkovic N, Jovicic B, Filipic B, Dinic M, Studholme DJ, Fira D, Cotter PD, Kojic M

[Mulberry Leaf Polyphenols and Fiber Induce Synergistic Antiobesity and Display a Modulation Effect on Gut Microbiota and Metabolites.](#)

Nutrients , Volume: 11 Issue: 5 2019 May 6

Authors Li Q, Liu F, Liu J, Liao S, Zou Y

[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
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

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

Intestinal Morphologic and Microbiota Responses to Dietary <i>Bacillus</i> spp. in a Broiler Chicken Model.

Frontiers in physiology , Volume: 9 2018

Authors Li CL,Wang J,Zhang HJ,Wu SG,Hui QR,Yang CB,Fang RJ,Qi GH

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

Simultaneous Supplementation of <i>Bacillus subtilis</i> and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

Anti-inflammatory effects of Kaempferol on Helicobacter pylori-induced inflammation.

Bioscience, biotechnology, and biochemistry , Volume: 83 Issue: 1 2019 Jan

Authors Yeon MJ,Lee MH,Kim DH,Yang JY,Woo HJ,Kwon HJ,Moon C,Kim SH,Kim JB

Probiotic <i>Bacillus amyloliquefaciens</i> C-1 Improves Growth Performance, Stimulates GH/IGF-1, and Regulates the Gut Microbiota of Growth-Retarded Beef Calves.

Frontiers in microbiology , Volume: 9 2018

Authors Du R,Jiao S,Dai Y,An J,Lv J,Yan X,Wang J,Han B

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

The impact of Clostridium butyricum MIYAIRI 588 on the murine gut microbiome and colonic tissue.

Anaerobe , Volume: 54 2018 Dec

Authors Hagihara M,Yamashita R,Matsumoto A,Mori T,Kuroki Y,Kudo H,Oka K,Takahashi M,Nonogaki T,Yamagishi Y,Mikamo H

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

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

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

Niacin alters the ruminal microbial composition of cattle under high-concentrate condition.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 3 Issue: 2 2017 Jun

Authors Luo D,Gao Y,Lu Y,Qu M,Xiong X,Xu L,Zhao X,Pan K,Ouyang K

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,Korzhnikov AA,Samarov

NI,Shevchenko MA,Tepluk AV,Alexeev DG

Modifications in gut microbiota and fermentation metabolites in the hindgut of rats after the consumption of galactooligosaccharide glycated with a fish peptide.

Food & function , Volume: 9 Issue: 5 2018 May 1

Authors Jin W,Han K,Dong S,Yang Y,Mao Z,Su M,Zeng M

Dietary Clostridium butyricum Induces a Phased Shift in Fecal Microbiota Structure and Increases the Acetic Acid-Producing Bacteria in a Weaned Piglet Model.

Journal of agricultural and food chemistry , Volume: 66 Issue: 20 2018 May 23

Authors Zhang J,Chen X,Liu P,Zhao J,Sun J,Guan W,Johnston LJ,Levesque CL,Fan P,He T,Zhang G,Ma X

The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.

Molecular nutrition & food research , 2018 Apr 17

Authors González-Sarriás A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC

Smoking and the intestinal microbiome.

Archives of microbiology , Volume: 200 Issue: 5 2018 Jul

Authors Savin Z,Kivity S,Yonath H,Yehuda S

Extensive impact of non-antibiotic drugs on human gut bacteria.

Nature , Volume: 555 Issue: 7698 2018 Mar 29

Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A

Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.

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

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

Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.

Food & function , 2018 Feb 21

Authors Cheng W,Lu J,Lin W,Wei X,Li H,Zhao X,Jiang A,Yuan 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

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

Investigation of probiotics in multiple sclerosis.

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

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

Evaluation of the effects of different diets on microbiome diversity and fatty acid composition of rumen liquor in dairy goat.

Animal : an international journal of animal bioscience , 2018 Jan 8

Authors Cremonesi P,Conte G,Severgnini M,Turri F,Monni A,Capra E,Rapetti L,Colombini S,Chessa S,Battelli G,Alves SP,Mele M,Castiglioni B

Impact of genistein on the gut microbiome of humanized mice and its role in breast tumor inhibition.

PloS one , Volume: 12 Issue: 12 2017

Authors Paul B,Royston KJ,Li Y,Stoll ML,Skibola CF,Wilson LS,Barnes S,Morrow CD,Tollefsbol TO

Probiotics in 14-day triple therapy for Asian pediatric patients with Helicobacter pylori infection: a network meta-analysis.

Oncotarget , Volume: 8 Issue: 56 2017 Nov 10

Authors Wen J,Peng P,Chen P,Zeng L,Pan Q,Wei W,He J

Amelioration of Intestinal Barrier Dysfunction by Berberine in the Treatment of Nonalcoholic Fatty Liver Disease in Rats.

Pharmacognosy magazine , Volume: 13 Issue: 52 2017 Oct-Dec

Authors Li D,Zheng J,Hu Y,Hou H,Hao S,Liu N,Wang Y

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

Clostridium butyricum CGMCC0313.1 Protects against Autoimmune Diabetes by Modulating Intestinal Immune Homeostasis and Inducing Pancreatic Regulatory T Cells.

Frontiers in immunology , Volume: 8 2017

Authors Jia L,Shan K,Pan LL,Feng N,Lv Z,Sun Y,Li J,Wu C,Zhang H,Chen W,Diana J,Sun J,Chen YQ

The effects of essential oil, povidone-iodine, and chlorhexidine mouthwash on salivary nitrate/nitrite and nitrate-reducing bacteria.

Journal of oral science , Volume: 59 Issue: 4 2017 Dec 27

Authors Mitsui T,Harasawa R

[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

[Dietary ZnO nanoparticles alters intestinal microbiota and inflammation response in weaned piglets.](#)

Oncotarget , Volume: 8 Issue: 39 2017 Sep 12

Authors Xia T,Lai W,Han M,Han M,Ma X,Zhang L

[Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.](#)

The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

[Effect of Functional Oligosaccharides and Ordinary Dietary Fiber on Intestinal Microbiota Diversity.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Cheng W,Lu J,Li B,Lin W,Zhang Z,Wei X,Sun C,Chi M,Bi W,Yang B,Jiang A,Yuan J

[Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.](#)

International journal of molecular sciences , Volume: 18 Issue: 10 2017 Oct 4

Authors Medina DA,Pinto F,Ovalle A,Thomson P,Garrido D

[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 Fohse JM,Gänzle MG,Beattie AD,Vasanthan T,Zijlstra RT

[Navy and black bean supplementation primes the colonic mucosal microenvironment to improve gut health.](#)

The Journal of nutritional biochemistry , Volume: 49 2017 Nov

Authors Monk JM,Lepp D,Wu W,Pauls KP,Robinson LE,Power KA

[Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.](#)

Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017 Aug 30

Authors Lin X,Chen X,Tu Y,Wang S,Chen H

[Lactobacillus plantarum LP-Onlly alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.](#)

Molecular medicine reports , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

[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

[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

[Effect of Soy Isoflavones on Growth of Representative Bacterial Species from the Human Gut.](#)

Nutrients , Volume: 9 Issue: 7 2017 Jul 8

Authors Vázquez L,Flórez AB,Guadamuro L,Mayo B

[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

[Human Milk Oligosaccharides Exhibit Antimicrobial and Antibiofilm Properties against Group B Streptococcus.](#)

ACS infectious diseases , Volume: 3 Issue: 8 2017 Aug 11

Authors Ackerman DL,Doster RS,Weitkamp JH,Aronoff DM,Gaddy JA,Townsend SD

[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 <i>Lactobacillus rhamnosus</i> HN001 and <i>Bifidobacterium longum</i> 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

Characterization of non-dialyzable constituents from cranberry juice that inhibit adhesion, co-aggregation and biofilm formation by oral bacteria.

Food & function , Volume: 8 Issue: 5 2017 May 24

Authors Neto CC, Penndorf KA, Feldman M, Meron-Sudai S, Zakay-Rones Z, Steinberg D, Fridman M, Kashman Y, Ginsburg I, Ofek I, Weiss E

Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.

Molecular medicine reports , Volume: 15 Issue: 5 2017 May

Authors Xu JH, Liu XZ, Pan W, Zou DJ

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

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, Macdliem 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

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

Flavan-3-ols and proanthocyanidins from Limonium brasiliense inhibit the adhesion of Porphyromonas gingivalis to epithelial host cells by interaction with gingipains.

Fitoterapia , Volume: 118 2017 Apr

Authors de Oliveira Caleare A, Hensel A, Mello JC, Pinha AB, Panizzon GP, Lechtenberg M, Petereit F, Nakamura CV

Key bacterial families (Clostridiaceae, Erysipelotrichaceae and Bacteroidaceae) are related to the digestion of protein and energy in dogs.

PeerJ , Volume: 5 2017

Authors Bermingham EN, Maclean P, Thomas DG, Cave NJ, Young W

Raw meat based diet influences faecal microbiome and end products of fermentation in healthy dogs.

BMC veterinary research , Volume: 13 Issue: 1 2017 Feb 28

Authors Sandri M, Dal Monego S, Conte G, Sgorlon S, Stefanon B

Microbial shifts in the porcine distal gut in response to diets supplemented with Enterococcus Faecalis as alternatives to antibiotics.

Scientific reports , Volume: 7 2017 Feb 6

Authors Li P, Niu Q, Wei Q, Zhang Y, Ma X, Kim SW, Lin M, Huang R

Antimicrobial Effects of Mastic Extract Against Oral and Periodontal Pathogens.

Journal of periodontology , Volume: 88 Issue: 5 2017 May

Authors Koychev S, Dommisch H, Chen H, Pischon N

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

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

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

Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.

Diabetes , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM, Kim TT, Denou E, Soltys CM, Hamza SM, Byrne NJ, Masson G, Park H, Wishart DS, Madsen KL, Schertzer JD, Dyck JR

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

The Human Milk Oligosaccharide 2'-Fucosyllactose Quenches Campylobacter jejuni-Induced Inflammation in Human Epithelial Cells HEp-2 and HT-29 and in Mouse Intestinal Mucosa.

The Journal of nutrition , Volume: 146 Issue: 10 2016 Oct

Authors Yu ZT, Nanthakumar NN, Newburg DS

Addition of arabinoxylan and mixed linkage glucans in porcine diets affects the large intestinal bacterial populations.

European journal of nutrition , Volume: 56 Issue: 6 2017 Sep

Authors Gorham JB, Kang S, Williams BA, Grant LJ, McSweeney CS, Gidley MJ, Mikkelsen D

Significant pharmacokinetic differences of berberine are attributable to variations in gut microbiota between Africans and Chinese.

Scientific reports , Volume: 6 2016 Jun 10

Authors *Alolga RN,Fan Y,Chen Z,Liu LW,Zhao YJ,Li J,Chen Y,Lai MD,Li P,Qi LW*

Intake of Meat Proteins Substantially Increased the Relative Abundance of Genus *Lactobacillus* in Rat Feces.

PloS one , Volume: 11 Issue: 4 2016

Authors *Zhu Y,Lin X,Li H,Li Y,Shi X,Zhao F,Xu X,Li C,Zhou G*

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*

Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.

Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec

Authors *Berding K,Wang M,Monaco MH,Alexander LS,Mudd AT,Chichlowski M,Waworuntu RV,Berg BM,Miller MJ,Dilger RN,Donovan SM*

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*

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,Marungruang N,Nguyen TD,Nyman M,Fåk F*

High purity galacto-oligosaccharides enhance specific *Bifidobacterium* species and their metabolic activity in the mouse gut microbiome.

Beneficial microbes , Volume: 7 Issue: 2 2016

Authors *Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA*

Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets.

The Journal of nutrition , Volume: 146 Issue: 2 2016 Feb

Authors *Jacobi SK,Yatsunenkov T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J*

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*

Membrane filter method to study the effects of *Lactobacillus acidophilus* and *Bifidobacterium longum* on fecal microbiota.

Microbiology and immunology , Volume: 59 Issue: 11 2015 Nov

Authors *Shimizu H,Benno Y*

Effects of dietary supplementation with lysine-yielding *Bacillus subtilis* on gut morphology, cecal microflora, and intestinal immune response of Linwu ducks.

Journal of animal science , Volume: 93 Issue: 7 2015 Jul

Authors *Xing Y,Wang S,Fan J,Oso AO,Kim SW,Xiao D,Yang T,Liu G,Jiang G,Li Z,Li L,Zhang B*

Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects.

Food & function , Volume: 7 Issue: 1 2016 Jan

Authors *Cuervo A,Hevia A,López P,Suárez A,Díaz C,Sánchez B,Margolles A,González S*

Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats.

Scientific reports , Volume: 5 2015 Sep 23

Authors *Zhang X,Zhao Y,Xu J,Xue Z,Zhang M,Pang X,Zhang X,Zhao L*

[Grape seed proanthocyanidin extracts inhibit lipopolysaccharide of *Porphyromonas gingivalis*].

Shanghai kou qiang yi xue = Shanghai journal of stomatology , Volume: 24 Issue: 4 2015 Aug

Authors *Ci XK,Chen LP,Ou XY*

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

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

Authors *Keyes PH,Rams TE,Jordan HV*

In vitro digestion and fermentation properties of linear sugar-beet arabinan and its oligosaccharides.

Carbohydrate polymers , Volume: 131 2015 Oct 20

Authors Moon JS,Shin SY,Choi HS,Joo W,Cho SK,Li L,Kang JH,Kim TJ,Han NS

In vitro fermentation of lupin seeds (Lupinus albus) and broad beans (Vicia faba): dynamic modulation of the intestinal microbiota and metabolomic output.

Food & function , Volume: 6 Issue: 10 2015 Oct

Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM

Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.

Biology of sex differences , Volume: 6 2015

Authors Shastri P,McCarville J,Kalmokoff M,Brooks SP,Green-Johnson JM

Potential protective effects of Clostridium butyricum on experimental gastric ulcers in mice.

World journal of gastroenterology , Volume: 21 Issue: 27 2015 Jul 21

Authors Wang FY,Liu JM,Luo HH,Liu AH,Jiang Y

Antibacterial activity and mechanism of berberine against Streptococcus agalactiae.

International journal of clinical and experimental pathology , Volume: 8 Issue: 5 2015

Authors Peng L,Kang S,Yin Z,Jia R,Song X,Li L,Li Z,Zou Y,Liang X,Li L,He C,Ye G,Yin L,Shi F,Lv C,Jing B

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

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

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 dietary linseed oil and propionate precursors on ruminal microbial community, composition, and diversity in Yanbian yellow cattle.

PloS one , Volume: 10 Issue: 5 2015

Authors Li XZ,Park BK,Shin JS,Choi SH,Smith SB,Yan CG

Review article: dietary fibre-microbiota interactions.

Alimentary pharmacology & therapeutics , Volume: 42 Issue: 2 2015 Jul

Authors Simpson HL,Campbell BJ

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

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

Reshaping faecal gut microbiota composition by the intake of trans-resveratrol and quercetin in high-fat sucrose diet-fed rats.

The Journal of nutritional biochemistry , Volume: 26 Issue: 6 2015 Jun

Authors Etxeberria U,Arias N,Boqué N,Macarulla MT,Portillo MP,Martínez JA,Milagro FI

Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.

Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun

Authors Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM

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

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

Diets high in resistant starch and arabinoxylan modulate digestion processes and SCFA pool size in the large intestine and faecal microbial composition in pigs.

The British journal of nutrition , Volume: 112 Issue: 11 2014 Dec 14

Authors Nielsen TS,Lærke HN,Theil PK,Sørensen JF,Saarinen M,Forssten S,Knudsen KE

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

Fecal bacterial community changes associated with isoflavone metabolites in postmenopausal women after soy bar consumption.

PloS one , Volume: 9 Issue: 10 2014

Authors Nakatsu CH,Armstrong A,Clavijo AP,Martin BR,Barnes S,Weaver CM

Dietary supplementation with soybean oligosaccharides increases short-chain fatty acids but decreases protein-derived catabolites in the intestinal luminal content of weaned Huanjiang mini-piglets.

Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep

Authors Zhou XL,Kong XF,Lian GQ,Blachier F,Geng MM,Yin YL

Synbiotic Lactobacillus acidophilus NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial.

FEMS microbiology ecology , Volume: 90 Issue: 1 2014 Oct

Authors van Zanten GC,Krych L,Röytiö H,Forssten S,Lahtinen SJ,Abu Al-Soud W,Sørensen S,Svensson B,Jespersen L,Jakobsen M

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

High-level antimicrobial efficacy of representative Mediterranean natural plant extracts against oral microorganisms.

BioMed research international , Volume: 2014 2014

Authors Karygianni L,Cecere M,Skaltsounis AL,Argyropoulou A,Hellwig E,Aligiannis N,Wittmer A,Al-Ahmad A

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

Analysis of interaction property of calycosin-7-O-β-D-glucoside with human gut microbiota.

Journal of chromatography. B, Analytical technologies in the biomedical and life sciences , Volume: 963 2014 Jul 15

Authors Zhang W,Jiang S,Qian D,Shang EX,Duan JA

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

Effects of probiotics on the growth performance and intestinal micro flora of broiler chickens.

Pakistan journal of pharmaceutical sciences , Volume: 27 Issue: 3 Suppl 2014 May

Authors Li YB,Xu QQ,Yang CJ,Yang X,Lv L,Yin CH,Liu XL,Yan H

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

Antibacterial effect of Iranian green-tea-containing mouthrinse vs chlorhexidine 0.2%: an in vitro study.

Oral health & preventive dentistry , Volume: 12 Issue: 2 2014

Authors Ardakani MR,Golmohammadi S,Ayremilou S,Taheri S,Daneshvar S,Meimandi M

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

The impact of high dietary zinc oxide on the development of the intestinal microbiota in weaned piglets.

FEMS microbiology ecology , Volume: 87 Issue: 2 2014 Feb

Authors Starke IC,Pieper R,Neumann K,Zentek J,Vahjen W

Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.

Glycobiology , Volume: 23 Issue: 11 2013 Nov

Authors Yu ZT,Chen C,Newburg DS

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 characterization of the impact of selected dietary fibers on fecal microbiota composition and short chain fatty acid production.

Anaerobe , Volume: 23 2013 Oct

Authors Yang J,Martínez I,Walter J,Keshavarzian A,Rose DJ

Influence of propolis on hygiene, gingival condition, and oral microflora in patients with cleft lip and palate treated with fixed orthodontic appliances.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2013 2013

Authors Machorowska-Pieniazek A,Morawiec T,Mertas A,Tanasiewicz M,Dziedzic A,Król W

Effect of acute and chronic red wine consumption on lipopolysaccharide concentrations.

The American journal of clinical nutrition , Volume: 97 Issue: 5 2013 May

Authors Clemente-Postigo M,Queipo-Ortuño MI,Boto-Ordoñez M,Coin-Aragüez L,Roca-Rodríguez MM,Delgado-Lista J,Cardona F,Andrés-Lacueva C,Tinahones FJ

Intake of whole-grain and fiber-rich rye bread versus refined wheat bread does not differentiate intestinal microbiota composition in Finnish adults with metabolic syndrome.

The Journal of nutrition , Volume: 143 Issue: 5 2013 May

Authors Lappi J,Salojärvi J,Kolehmainen M,Mykkänen H,Poutanen K,de Vos WM,Salonen A

Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.

PloS one , Volume: 7 Issue: 8 2012

Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L

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

The antimicrobial action of chitosan, low molar mass chitosan, and chitooligosaccharides on human colonic bacteria.

Folia microbiologica , Volume: 57 Issue: 4 2012 Jul

Authors Simunek J,Brandysová V,Koppová I,Simunek J Jr

Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr

Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM

Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.

The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14

Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA

Isoflavonoids and coumarins from Glycyrrhiza uralensis: antibacterial activity against oral pathogens and conversion of isoflavans into isoflavan-quinones during purification.

Journal of natural products , Volume: 74 Issue: 12 2011 Dec 27

Authors Gafner S,Bergeron C,Villinski JR,Godejohann M,Kessler P,Cardellina JH,Ferreira D,Feghali K,Grenier D

Effect of liquid whey feeding on fecal microbiota of mature and growing pigs.

Animal science journal = Nihon chikusan Gakkaiho , Volume: 82 Issue: 4 2011 Aug

Authors Kobayashi Y,Ito A,Miyawaki K,Koike S,Iwabuchi O,Iimura Y,Kobashi Y,Kawashima T,Wakamatsu J,Hattori A,Murakami H,Morimatsu F,Nakaebisu T,Hishinuma T

Prebiotics: germinated barley foodstuff for the prevention of colitis-associated colon cancer?

Journal of gastroenterology and hepatology , Volume: 26 Issue: 8 2011 Aug

Authors Koh SJ,Kim JS

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

Antimicrobial sesquiterpenoids from Laurus nobilis L

Natural product research , Volume: 25 Issue: 14 2011 Aug

Authors Fukuyama N,Iino C,Suzuki Y,Kobayashi N,Hamamoto H,Sekimizu K,Orihara Y

Increased dietary zinc oxide changes the bacterial core and enterobacterial composition in the ileum of piglets.

Journal of animal science , Volume: 89 Issue: 8 2011 Aug

Authors Vahjen W,Pieper R,Zentek J

Development of biosensor-based assays to identify anti-infective oligosaccharides.

Analytical biochemistry , Volume: 410 Issue: 2 2011 Mar 15

Authors Lane JA,Mehra RK,Carrington SD,Hickey RM

[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

Consumption of human milk oligosaccharides by gut-related microbes.

Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12

Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA

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

Characterization and antimicrobial spectrum of bacteriocins produced by lactic acid bacteria isolated from traditional Bulgarian dairy products.

Journal of applied microbiology , Volume: 106 Issue: 2 2009 Feb

Authors Simova ED,Beshkova DB,Dimitrov ZhP

Inhibitory effect of Gram-negative and Gram-positive microorganisms against Helicobacter pylori clinical isolates.

The Journal of antimicrobial chemotherapy , Volume: 61 Issue: 1 2008 Jan

Authors López-Brea M,Alarcón T,Domingo D,Díaz-Regañón J

Inhibitory effect of cranberry polyphenol on biofilm formation and cysteine proteases of Porphyromonas gingivalis.

Journal of periodontal research , Volume: 42 Issue: 6 2007 Dec

Authors Yamanaka A,Kouchi T,Kasai K,Kato T,Ishihara K,Okuda K

Brazilian green propolis on Helicobacter pylori infection. a pilot clinical study.

Helicobacter , Volume: 12 Issue: 5 2007 Oct

Authors Coelho LG,Bastos EM,Resende CC,Paula e Silva CM,Sanches BS,de Castro FJ,Moretzsohn LD,Vieira WL,Trindade OR

Arabino-galactan proteins from Pistacia lentiscus var. chia: isolation, characterization and biological function.

Amino acids , Volume: 34 Issue: 3 2008 Apr

Authors Kottakis F,Lamari F,Matragkou Ch,Zachariadis G,Karamanos N,Choli-Papadopoulou T

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

In vitro and in vivo activities of Chios mastic gum extracts and constituents against Helicobacter pylori.

Antimicrobial agents and chemotherapy , Volume: 51 Issue: 2 2007 Feb

Authors Paraschos S,Magiatis P,Mitakou S,Petraki K,Kalliaropoulos A,Maragkoudakis P,Mentis A,Sgouras D,Skaltsounis AL

In vitro activity of Bulgarian propolis against 94 clinical isolates of anaerobic bacteria.

Anaerobe , Volume: 12 Issue: 4 2006 Aug

Authors Boyanova L,Kolarov R,Gergova G,Mitov I

Susceptibility of Prevotella intermedia/Prevotella nigrescens (and Porphyromonas gingivalis) to propolis (bee glue) and other antimicrobial agents.

Anaerobe , Volume: 8 Issue: 1 2002 Feb

Authors Santos FA,Bastos EM,Rodrigues PH,de Uzeda M,de Carvalho MA,Farias Lde M,Moreira ES

Antimicrobial effect of mastic gum methanolic extract against Porphyromonas gingivalis.

Journal of medicinal food , Volume: 9 Issue: 2 2006 Summer

Authors Sterer N

Effects of combining extracts (from propolis or Zingiber officinale) with clarithromycin on Helicobacter pylori.

Phytotherapy research : PTR , Volume: 20 Issue: 3 2006 Mar

Authors Nostro A,Cellini L,Di Bartolomeo S,Cannatelli MA,Di Campli E,Procopio F,Grande R,Marzio L,Alonzo V

Isoflavones and functional foods alter the dominant intestinal microbiota in postmenopausal women.

The Journal of nutrition , Volume: 135 Issue: 12 2005 Dec

Authors Clavel T,Fallani M,Lepage P,Levenez F,Mathey J,Rochet V,Sérézat M,Sutren M,Henderson G,Bennetau-Pelissero C,Tondu F,Blaut M,Doré J,Coxam V

Antibacterial effect of plant extracts against Helicobacter pylori.

Phytotherapy research : PTR , Volume: 19 Issue: 3 2005 Mar

Authors Nostro A,Cellini L,Di Bartolomeo S,Di Campli E,Grande R,Cannatelli MA,Marzio L,Alonzo V

Activity of Bulgarian propolis against 94 Helicobacter pylori strains in vitro by agar-well diffusion, agar dilution and disc diffusion methods.

Journal of medical microbiology , Volume: 54 Issue: Pt 5 2005 May

Authors Boyanova L,Gergova G,Nikolov R,Derejian S,Lazarova E,Katsarov N,Mitov I,Krastev Z

Molecular and microbiological analysis of caecal microbiota in rats fed with diets supplemented either with prebiotics or probiotics.

International journal of food microbiology , Volume: 98 Issue: 3 2005 Feb 15

Authors Montesi A,García-Albiach R,Pozuelo MJ,Pintado C,Goñi I,Rotger R

Propolis extract as an adjuvant to periodontal treatment.

Oral health & preventive dentistry , Volume: 1 Issue: 1 2003

Authors Gebaraa EC,Pustiglioni AN,de Lima LA,Mayer MP

Resveratrol and red wine extracts inhibit the growth of CagA+ strains of Helicobacter pylori in vitro.

The American journal of gastroenterology , Volume: 98 Issue: 6 2003 Jun

Authors Mahady GB,Pendland SL,Chadwick LR

Brazilian propolis: physicochemical properties, plant origin and antibacterial activity on periodontopathogens.

Phytotherapy research : PTR , Volume: 17 Issue: 3 2003 Mar

Authors Santos FA,Bastos EM,Maia AB,Uzeda M,Carvalho MA,Farias LM,Moreira ES

In vitro susceptibility of Helicobacter pylori to isoquinoline alkaloids from Sanguinaria canadensis and Hydrastis canadensis.

Phytotherapy research : PTR , Volume: 17 Issue: 3 2003 Mar

Authors Mahady GB,Pendland SL,Stoia A,Chadwick LR

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

Antibacterial activity of Hydrastis canadensis extract and its major isolated alkaloids.

Planta medica , Volume: 67 Issue: 6 2001 Aug

Authors Scazzocchio F,Cometa MF,Tomassini L,Palmer M

[Antimicrobial effects of tea tree oil (Melaleuca alternifolia) on oral microorganisms].

Schweizer Monatsschrift fur Zahnmedizin = Revue mensuelle suisse d'odonto-stomatologie = Rivista mensile svizzera di odontologia e stomatologia , Volume: 110 Issue: 11 2000

Authors Kulik E,Lenkeit K,Meyer J

A high molecular mass constituent of cranberry juice inhibits helicobacter pylori adhesion to human gastric mucus.

FEMS immunology and medical microbiology , Volume: 29 Issue: 4 2000 Dec

Authors Burger O,Ofek I,Tabak M,Weiss EI,Sharon N,Neeman I

Applicability of zinc complex of L-carnosine for medical use.

Biochemistry. Biokhimiia , Volume: 65 Issue: 7 2000 Jul

Authors Matsukura T,Tanaka H

In vitro utilization of amylopectin and high-amylose maize (Amylomaize) starch granules by human colonic bacteria.

Applied and environmental microbiology , Volume: 65 Issue: 11 1999 Nov

Authors Wang X,Conway PL,Brown IL,Evans AJ

Does probiotics administration decrease serum endotoxin levels in infants?

Journal of pediatric surgery , Volume: 34 Issue: 2 1999 Feb

Authors Urao M,Fujimoto T,Lane GJ,Seo G,Miyano T

The effect of a probiotic on faecal and liver lipid classes in rats.

The British journal of nutrition , Volume: 73 Issue: 5 1995 May

Authors Fukushima M,Nakano M

Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.

The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar

Authors Slade AP,Wyatt GM,Bayliss CE,Waite WM

Phenolic constituents in Erythrina x bidwilli and their activity against oral microbial organisms.

Chemical & pharmaceutical bulletin , Volume: 40 Issue: 10 1992 Oct

Authors Iinuma M,Tanaka T,Mizuno M,Yamamoto H,Kobayashi Y,Yonemori S

Effects of probiotic administration upon the composition and enzymatic activity of human fecal microbiota in patients with irritable bowel syndrome or functional diarrhea

Research in Microbiology , Volume: 152 Issue: 8 2001 Oct

Authors Patrizia Brigida,Beatrice Vitalia,Erwin Swennena,Gabriele Bazzocchi,Diego Matteuzia

[Research cited on Manufacture Website].

Research cited on Manufacture Website , Volume: 0 Issue: 0 2018 Jan

Authors Miyarisan Labs

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm
Acne
Addison's Disease (hypocortisolism)
ADHD
Age-Related Macular Degeneration and Glaucoma
Allergic Rhinitis (Hay Fever)
Allergies
Allergy to milk products
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron
Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Atrial fibrillation
Autism
Autoimmune Disease
Barrett esophagus cancer
benign prostatic hyperplasia
Biofilm
Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
cdkl5 deficiency disorder
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)

Gastroesophageal reflux disease (Gerd) including Barrett's esophagus

Generalized anxiety disorder

giant cell arteritis

Glioblastoma

Gout

Graves' disease

Gulf War Syndrome

Halitosis

Hashimoto's thyroiditis

Heart Failure

hemorrhagic stroke

Hemorrhoidal disease, Hemorrhoids, Piles

Hidradenitis Suppurativa

High Histamine/low DAO

hypercholesterolemia (High Cholesterol)

hyperglycemia

Hyperlipidemia (High Blood Fats)

hypersomnia

hypertension (High Blood Pressure

Hypothyroidism

Hypoxia

IgA nephropathy (IgAN)

Inflammatory Bowel Disease

Insomnia

Intelligence

Intracranial aneurysms

Irritable Bowel Syndrome

ischemic stroke

Juvenile idiopathic arthritis

Liver Cirrhosis

liver fibrosis

Long COVID

Low bone mineral density

Lung Cancer

Lymphoma

Mast Cell Issues/ mastitis

ME/CFS with IBS

ME/CFS without IBS

membranous nephropathy

Menopause

Metabolic Syndrome

Mood Disorders

multiple chemical sensitivity [MCS]

Multiple Sclerosis

Multiple system atrophy (MSA)

myasthenia gravis

neuropathic pain

Neuropathy (all types)

neuropsychiatric disorders (PANDAS, PANS)

Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic

NonCeliac Gluten Sensitivity

Obesity

obsessive-compulsive disorder

Osteoarthritis

Osteoporosis

pancreatic cancer

Parkinson's Disease

Peanut Allergy

Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA), Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing
Vitiligo