

Microbiome Information for: Chronic Lyme

For 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 Chronic Lyme

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
Enterobacteriaceae	family	High	543	Chlamydia	genus	High	810
Bacteroides	genus	Low	816	Roseburia	genus	Low	841
Bartonella	genus	High	773	Clostridioides difficile	species	High	1496
Borrelia	genus	High	138	Mycoplasma pneumoniae	species	High	2104
				Yersinia enterocolitica	species	High	630

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.

Antibiotics annotated with [CFS] have been used with various degree of success with Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, Chronic Lyme, Chronic Q-Fever and Long COVID conditions. Rotation of antibiotics with 3 weeks off between courses is recommended.

(RS)-2-(4-(2-methylpropyl)phenyl)propanoic acid {ibuprofen}

acarbose,(prescription)

Below normal temperature {Cold exposure}

Bifidobacterium longum subsp. longum BB536 {BB536}

cefoxitin

chloramphenicol

CIPROFLOXACIN [CFS]

CLINDAMYCIN [CFS]

colistin sulfate (antibiotic)

ERYTHROMYCIN [CFS]

gentamicin

imipenem

itraconazole,(prescription)

ketoconazole,(prescription)

Lactobacillus gasseri {L.gasseri} 10 BCFU/day

Lactobacillus mucosae

lidocaine hydrochloride,(prescription)

loperamide hydrochloride,(prescription)

meropenem

moxifloxacin (antibiotic)

NEOMYCIN [CFS]

N-L-a-aspartyl-L-phenylalanine methyl ester {aspartame}

norfloxacin

piperacillin-tazobactam

proton-pump inhibitors (prescription) 60 mg/day

rebamipide,(prescription)

risperidone,(prescription)

Sodium Fluoride {Toothpaste fluoride}

spectinomycin dihydrochloride (antibiotic)

Sucralose {Splenda} 340 mg/day

sulfamethoxazole (antibiotic)

tobramycin

Retail Probiotics

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

spain (es) / muvagyn probiotico
PharmExtracta (IT) / FG5 Forte In Sachets
PrecisionBiotics / Zenflore
Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
philips / colon health
Probiotic 10 Billion Active Cells Daily Maintenance
wakamoto (jp) / wakamoto pharmaceutical intestinal drug
Wakunaga / Daily Probiotic
Microbiome Labs / ZENBIOME Dual
Wakunaga / 50+
Bulk Probiotics / L. Gasseri Probiotic Powder (Weight & Fat Loss Support)
CustomProbiotics.com / L. Gasseri Probiotic Powder
SuperSmart / Lactobacillus Gasseri
Wakunaga / Pro+ Synbiotic
SuperSmart / Bifidobacterium longum (BB536)
powerlabs (au) / ultra blend

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

Substance to Consider Reducing or Eliminating

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

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

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine}
(2->1)-beta-D-fructofuranan {Inulin}
Abstention from eating {Fasting}
ceftriaxone
dietary fiber
Diferuloylmethane {Curcumin}
doxycycline [CFS]
Fiber, total dietary
fruit

fruit/legume fibre
Hordeum vulgare {Barley}
Lactobacillus plantarum {L. plantarum}
laminaria digitata {Oarweed}
pectin {pectin}
Slow digestible carbohydrates. {Low Glycemic}
β-glucan {Beta-Glucan}
Traditional Mediterranean diet {Mediterranean diet}
wheat

Sample of Literature Used

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

What Makes It Tick: Exploring the Mechanisms of Post-treatment Lyme Disease Syndrome.

Cureus , Volume: 16 Issue: 7 2024 Jul

Authors Wester KE,Nwokeabia BC,Hassan R,Dunphy T,Osondu M,Wonders C,Khaja M

A Distinct Microbiome Signature in Posttreatment Lyme Disease Patients.

mBio , Volume: 11 Issue: 5 2020 Sep 29

Authors Morrisette M,Pitt N,González A,Strandwitz P,Caboni M,Rebman AW,Knight R,D`Onofrio A,Aucott JN,Soloski MJ,Lewis K

Lyme Disease: Diversity of Borrelia Species in California and Mexico Detected Using a Novel Immunoblot Assay.

Healthcare (Basel, Switzerland) , Volume: 8 Issue: 2 2020 Apr 14

Authors Fesler MC,Shah JS,Middelveen MJ,Du Cruz I,Burrascano JJ,Stricker RB

Serious Bacterial Infections Acquired During Treatment of Patients Given a Diagnosis of Chronic Lyme Disease - United States.

MMWR. Morbidity and mortality weekly report , Volume: 66 Issue: 23 2017 Jun 16

Authors Marzec NS,Nelson C,Waldron PR,Blackburn BG,Hosain S,Greenhow T,Green GM,Lomen-Hoerth C,Golden M,Mead PS

Drug combinations against Borrelia burgdorferi persists in vitro: eradication achieved by using daptomycin, cefoperazone and doxycycline.

PloS one , Volume: 10 Issue: 3 2015

Authors Feng J,Auwaerter PG,Zhang Y

Chronic Lyme Disease and Co-infections: Differential Diagnosis.

The open neurology journal , Volume: 6 2012

Authors Berghoff W

Lyme disease: a growing threat to urban populations.

Proceedings of the National Academy of Sciences of the United States of America , Volume: 91 Issue: 7 1994 Mar 29

Authors Steere AC

Mediterranean diet, gut microbiota, and type 2 diabetes: A systematic review and meta-analysis of intervention trials.

Nutrition, metabolism, and cardiovascular diseases : NMCD , 2025 Nov 3

Authors Lauria F,Formisano A,Dello Russo M,Quaglia C,Giacco R,Russo GL,Spagnuolo C,Vitale M

Regulatory effects of berberine on intestinal microecology in mice with ulcerative colitis.

Frontiers in microbiology , Volume: 16 2025

Authors Xu X,Zhao B,Liu P,Tang X,Lai Z,Song N,Cheng J

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

Fiber deprivation and insoluble corn-based fibrous co-products modulate gastrointestinal mucosa-associated microbiota, extracellular matrix remodeling, and intestinal morphology in growing pigs.

Journal of animal science , 2025 Oct 16

Authors Miller HE,Sasser CN,Hernandez MS,Legako JF,Anderson CJ,Schmitz-Esser S,Ericsson AC,Broadway PR,Sanchez NCB,Carroll JA,Penn MJC,Petry AL

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

Gut microbiome-mediated health effects of fiber and polyphenol-rich dietary interventions.

Frontiers in nutrition , Volume: 12 2025

Authors Meiners F,Ortega-Matienzo A,Fuellen G,Barrantes I

Respiratory microbiome and metabolome features associate disease severity and the need for doxycycline treatment in children with macrolide-resistant Mycoplasma pneumoniae-mediated pneumonia.

Frontiers in cellular and infection microbiology , Volume: 15 2025

Authors Liao WC,Li SW,Hsing EW,Hsiao SH,Chang IY,Chen YC,Chen YY,Pan YJ,Hsieh YC

[Proton Pump Inhibitor Use and Risk of Clostridioides difficile Infection: An Umbrella Review of 11 Meta-Analyses.](#)

Cureus , Volume: 17 Issue: 7 2025 Jul

Authors Nalabothula S,Chava S,Doddapaneni NSP,Gottimukkala HSK,Durga D

[Synthetic vs. non-synthetic sweeteners: their differential effects on gut microbiome diversity and function.](#)

Frontiers in microbiology , Volume: 16 2025

Authors Kidangathazhe A,Amponsah T,Maji A,Adams S,Chettoor M,Wang X,Scaria J

[Gut Microbiota Modulation Through Mediterranean Diet Foods: Implications for Human Health.](#)

Nutrients , Volume: 17 Issue: 6 2025 Mar 8

Authors Perrone P,D'Angelo S

[Effects of dietary fiber on the composition, function, and symbiotic interactions of intestinal microbiota in pre-weaned calves.](#)

Frontiers in microbiology , Volume: 16 2025

Authors Lu W,Yi X,Ge Y,Zhang X,Shen K,Zhuang H,Deng Z,Liu D,Cao J,Ma C

[Oral Doxycycline Was a Safe and Feasible Treatment in Young Children With Neuroborreliosis.](#)

Acta paediatrica (Oslo, Norway : 1992) , 2025 Apr 5

Authors Bloch J,Schmidt L,Vissing N,Glenthøj JP,Smith B,Born AP,Poulsen A,Lebech AM,Nygaard U

[Superior ability of dietary fiber utilization in obese breed pigs linked to gut microbial hydrogenotrophy.](#)

ISME communications , Volume: 5 Issue: 1 2025 Jan

Authors Li X,Mu C,Wu H,Zoetendal EG,Huang R,Yu K,Zhu W

[Behavioral alterations in antibiotic-treated mice associated with gut microbiota dysbiosis: insights from 16S rRNA and metabolomics.](#)

Frontiers in neuroscience , Volume: 19 2025

Authors Bibi A,Zhang F,Shen J,Din AU,Xu Y

[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,Salgaço 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

[The efficacy and underlying mechanisms of berberine in the treatment of recurrent Clostridioides difficile infection.](#)

International journal of antimicrobial agents , Volume: 65 Issue: 5 2025 Feb 20

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

[The effect of high-fiber diet based on gut microbiota in patients with chronic heart failure.](#)

Physiological genomics , Volume: 57 Issue: 3 2025 Mar 1

Authors Li L,Yang L,Liu M

[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

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

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

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

[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

[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

[The effect of antibiotics on the intestinal microbiota in children - a systematic review.](#)

Frontiers in allergy , Volume: 5 2024

Authors Wurm J,Curtis N,Zimmermann P

[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

Efficacy of Doxycycline as Pre-exposure and/or Post-exposure Prophylaxis to Prevent Sexually Transmitted Diseases: A Systematic Review and Meta-analysis.

Sexually transmitted diseases , 2024 Sep 24

Authors Boschiero MN,Sansone NMS,Ribeiro LM,Marson FAL

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

Patient-delivered partner therapy for chlamydia: health practitioner views on updated guidance in Victoria, Australia.

Sexual health , Volume: 21 2024 Jul

Authors Warda C,Bittleston H,Coombe J,O'Donnell H,Hocking JS,Goller JL

Preventive effects of a nutraceutical mixture of berberine, citrus and apple extracts on metabolic disturbances in Zucker fatty rats.

PloS one , Volume: 19 Issue: 7 2024

Authors Siliman Misha M,Destrumelle S,Le Jan D,Mansour NM,Fizanne L,Ouguerram K,Desfontis JC,Mallem MY

Improving insulin resistance by sulforaphane via activating the Bacteroides and Lactobacillus SCFAs-GPR-GLP1 signal axis.

Food & function , 2024 Jul 24

Authors Tian S,Lei Y,Zhao F,Che J,Wu Y,Lei P,Kang YE,Shan Y

Aging Modulates the Effect of Dietary Glycemic Index on Gut Microbiota Composition in Mice.

The Journal of nutrition , Volume: 154 Issue: 9 2024 Sep

Authors Zhu Y,Yeo EN,Smith KM,Greenberg AS,Rowan S

The interplay between diet and the gut microbiome: implications for health and disease.

Nature reviews. Microbiology , 2024 Jul 15

Authors Ross FC,Patangia D,Grimaud G,Lavelle A,Dempsey EM,Ross RP,Stanton C

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

Repeated doxycycline treatment among patients with neuroborreliosis: a nationwide, population-based, registry-based, matched cohort study.

Infectious diseases (London, England) , Volume: 56 Issue: 11 2024 Nov

Authors Tetens MM,Omland LH,Dessau RB,Ellermann-Eriksen S,Andersen NS,Jørgensen CS,Pedersen M,Bodilsen J,Søgaard KK,Bangsborg J,Nielsen ACY,Møller JK,Obel N,Lebech AM

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

Structural characterization and human gut microbiota fermentation in vitro of a polysaccharide from *Fucus vesiculosus*.

International journal of biological macromolecules , Volume: 275 Issue: Pt 1 2024 Aug

Authors Jia RB,Yang G,Lai H,Zheng Q,Xia W,Zhao M

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

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

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

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 Mediterranean Diet, Its Microbiome Connections, and Cardiovascular Health: A Narrative Review.

International journal of molecular sciences , Volume: 25 Issue: 9 2024 Apr 30

Authors Abrignani V,Salvo A,Pacinella G,Tuttolomondo A

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

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

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

Changes in bacterial community composition in the uterus of Holstein cow with endometritis before and after treatment with

[oxytetracycline.](#)

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

Authors Cai XS,Jiang H,Xiao J,Yan X,Xie P,Yu W,Lv WF,Wang J,Meng X,Chen CZ,Zhang M,Zhang Y,Yuan B,Zhang JB

[The gut microbiota facilitate their host tolerance to extreme temperatures.](#)

BMC microbiology , Volume: 24 Issue: 1 2024 Apr 20

Authors Wang Z,Wu Y,Li X, Ji X,Liu W

[Inhibitory effect of some probiotic strains and essential oils on the growth of some foodborne pathogens.](#)

Open veterinary journal , Volume: 14 Issue: 1 2024 Jan

Authors Fathy SS,Awad EI,Abd-El Aal SFA,Abdelfatah EN,Tahoun ABMB

[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

[Food additives impair gut microbiota from healthy individuals and IBD patients in a colonic in vitro fermentation model.](#)

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

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

[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 combined effect of systemic antibiotics and proton pump inhibitors on Clostridioides difficile infection and recurrence.](#)

The Journal of antimicrobial chemotherapy , Volume: 79 Issue: 3 2024 Mar 1

Authors Moreels N,Boven A,Gressani O,Andersson FL,Vlieghe E,Callens S,Engstrand L,Simin J,Brusselsaers N

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

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

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

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

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

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

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

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

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

[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

[Relationships between diet and gut microbiome in an Italian and Dutch cohort: does the dietary protein to fiber ratio play a role?](#)

European journal of nutrition , Volume: 63 Issue: 3 2024 Apr

Authors Tagliamonte S,Puhlmann ML,De Filippis F,Guerville M,Ercolini D,Vitaglione P

[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

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

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

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

[Distinct Microbial Taxa Are Associated with LDL-Cholesterol Reduction after 12 Weeks of Lactobacillus plantarum Intake in Mild Hypercholesterolemia: Results of a Randomized Controlled Study.](#)

Probiotics and antimicrobial proteins , 2023 Nov 28

Authors Kerlikowsky F,Müller M,Greupner T,Amend L,Strowig T,Hahn A

[Influence of Sex and a High-Fiber Diet on the Gut Microbiome of Alentejano Pigs Raised to Heavy Weights.](#)

Veterinary sciences , Volume: 10 Issue: 11 2023 Nov 2

Authors Albuquerque A,Garrido N,Charneca R,Egas C,Martin L,Ramos A,Costa F,Marmelo C,Martins JM

[The Dose-Response Effect of Fluoride Exposure on the Gut Microbiome and Its Functional Pathways in Rats.](#)

Metabolites , Volume: 13 Issue: 11 2023 Nov 17

Authors Mo Z,Wang J,Meng X,Li A,Li Z,Que W,Wang T,Tarnue KF,Ma X,Liu Y,Yan S,Wu L,Zhang R,Pei J,Wang X

Early life exposure to broccoli sprouts confers stronger protection against enterocolitis development in an immunological mouse model of inflammatory bowel disease.

mSystems , Volume: 8 Issue: 6 2023 Dec 21

Authors Holcomb L,Holman JM,Hurd M,Lavoie B,Colucci L,Hunt B,Hunt T,Kinney M,Pathak J,Mawe GM,Moses PL,Perry E,Stratigakis A,Zhang T,Chen G,Ishaq SL,Li Y

A potential strategy against clinical carbapenem-resistant Enterobacteriaceae: antimicrobial activity study of sweetener-decorated gold nanoparticles in vitro and in vivo.

Journal of nanobiotechnology , Volume: 21 Issue: 1 2023 Nov 6

Authors Liu H,Huang Z,Chen H,Zhang Y,Yu P,Hu P,Zhang X,Cao J,Zhou T

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

Consumption of sucralose- and acesulfame-potassium-containing diet soda alters the relative abundance of microbial taxa at the species level: findings of two pilot studies.

Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme , Volume: 49 Issue: 1 2024 Jan 1

Authors Sylvetsky AC,Clement RA,Stearrett N,Issa NT,Dore FJ,Mazumder R,King CH,Hubal MJ,Walter PJ,Cai H,Sen S,Rother KI,Crandall KA

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

Heliyon , Volume: 9 Issue: 10 2023 Oct

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

Comprehensive evaluation of the prebiotic properties of Dendrobium officinale polysaccharides, β -glucan, and inulin during in vitro fermentation via multi-omics analysis.

International journal of biological macromolecules , Volume: 253 Issue: Pt 7 2023 Dec 31

Authors Sun Y,Zhang S,He H,Chen H,Nie Q,Li S,Cheng J,Zhang B,Zheng Z,Pan S,Huang P,Lian L,Hu J,Nie S

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

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

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

Steamed broccoli sprouts alleviate DSS-induced inflammation and retain gut microbial biogeography in mice.

mSystems , Volume: 8 Issue: 5 2023 Oct 26

Authors Holman JM,Colucci L,Baudewyns D,Balkan J,Hunt T,Hunt B,Kinney M,Holcomb L,Stratigakis A,Chen G,Moses PL,Mawe GM,Zhang T,Li Y,Ishaq SL

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G,Zhang L

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

Nutrients , Volume: 15 Issue: 16 2023 Aug 11

Authors Fabiano GA,Shinn LM,Antunes AEC

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

Food & function , 2023 Jul 14

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

The Effects of the Mediterranean Diet on Health and Gut Microbiota.

Nutrients , Volume: 15 Issue: 9 2023 Apr 29

Authors Barber TM,Kabisch S,Pfeiffer AFH,Weickert MO

Effects of whole-grain cereals on fecal microbiota and short-chain fatty acids in dogs: a comparison of rye, oats and wheat.

Scientific reports , Volume: 13 Issue: 1 2023 Jul 5

Authors Palmqvist H,Höglund K,Ringmark S,Lundh T,Dicksved J

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

Combination of Lycium barbarum L. and Laminaria japonica polysaccharides as a highly efficient prebiotic: Optimal screening and complementary regulation of gut probiotics and their metabolites.

International journal of biological macromolecules , Volume: 246 2023 Aug 15

Authors Chen Q,Fan J,Lin L,Zhao M

[Effect of the \$\beta\$ -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

[Steamed broccoli sprouts alleviate DSS-induced inflammation and retain gut microbial biogeography in mice.](#)**bioRxiv : the preprint server for biology , 2023 May 23**

Authors Holman JM,Colucci L,Baudewyns D,Balkan J,Hunt T,Hunt B,Kinney M,Holcomb L,Chen G,Moses PL,Mawe GM,Zhang T,Li Y,Ishaq SL

[Fungal \$\beta\$ -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

[Gentamicin alleviates cholestatic liver injury by decreasing gut microbiota-associated bile salt hydrolase activity in rats.](#)**European journal of pharmacology , Volume: 951 2023 May 12**

Authors Ma Y,Wang H,Yang J,Xin M,Wu X

[Laminaria Japonica Polysaccharide Improved the Productivities and Systemic Health of Ducks by Mediating the Gut Microbiota and Metabolome.](#)**Journal of agricultural and food chemistry , Volume: 71 Issue: 19 2023 May 17**

Authors Liu A,Kim E,Cui J,Li J,Lee Y,Zhang G

[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

[Lactobacillus plantarum ZJ316 alleviates ulcerative colitis by inhibiting inflammation and regulating short-chain fatty acid levels and the gut microbiota in a mouse model.](#)**Food & function , Volume: 14 Issue: 9 2023 May 11**

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

[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

[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

[The Dietary Fermentable Fiber Inulin Alters the Intestinal Microbiome and Improves Chronic Kidney Disease Mineral-Bone Disorder in a Rat Model of CKD.](#)**bioRxiv : the preprint server for biology , 2023 Jan 31**

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

[Oligofructose, 2'fucosyllactose and \$\beta\$ -glucan in combination induce specific changes in microbial composition and short-chain fatty acid production compared to sole supplementation.](#)**Journal of applied microbiology , Volume: 134 Issue: 2 2023 Feb 16**

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

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

mSystems , Volume: 8 Issue: 1 2023 Feb 23

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

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

Frontiers in nutrition , Volume: 9 2022

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

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

Intake of slow-digesting carbohydrates is related to changes in the microbiome and its functional pathways in growing rats with obesity induced by diet.

Frontiers in nutrition , Volume: 9 2022

Authors Plaza-Díaz J,Manzano M,Ruiz-Ojeda FJ,Giron MD,Salto R,López-Pedrosa JM,Santos-Fandila A,García-Corcoles MT,Rueda R,Gil Á

A Chinese herbs complex ameliorates gut microbiota dysbiosis induced by intermittent cold exposure in female rats.

Frontiers in microbiology , Volume: 13 2022

Authors Jin L,Bian X,Dong W,Yang R,Jing C,Li X,Yang D,Guo C,Gao W

Curcumin Regulates Gut Microbiota and Exerts a Neuroprotective Effect in the MPTP Model of Parkinson's Disease.

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

Authors Zhu H,Zhang H,Hou B,Xu B, Ji L,Wu Y

The impact of dietary fibers on Clostridioides difficile infection in a mouse model.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Wu Z,Xu Q,Wang Q,Chen Y,Lv L,Zheng B,Yan R,Jiang H,Shen J,Wang S,Wang K,Xia J,Han S,Li L

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

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

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

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

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

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

Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.

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

Authors Lee KS,Kim ES

Lactobacillus mucosae exerted different antiviral effects on respiratory syncytial virus infection in mice.

Frontiers in microbiology , Volume: 13 2022

Authors Wang Q,Fang Z,Li L,Wang H,Zhu J,Zhang P,Lee YK,Zhao J,Zhang H,Lu W,Chen W

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

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

Berberubine, a Main Metabolite of Berberine, Alleviates Non-Alcoholic Fatty Liver Disease via Modulating Glucose and Lipid Metabolism and Restoring Gut Microbiota.

Frontiers in pharmacology , Volume: 13 2022

Authors Yang S,Cao S,Li C,Zhang J,Liu C,Qiu F,Kang N

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

Discovery of Quercetin and Its Analogs as Potent OXA-48 Beta-Lactamase Inhibitors.

Frontiers in pharmacology , Volume: 13 2022

Authors Zhang Y,Chen C,Cheng B,Gao L,Qin C,Zhang L,Zhang X,Wang J,Wan Y

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

[Profiling the Effects of Systemic Antibiotics for Acne, Including the Narrow-Spectrum Antibiotic Sarecycline, on the Human Gut Microbiota.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Moura IB,Grada A,Spittal W,Clark E,Ewin D,Altringham J,Fumero E,Wilcox MH,Buckley AM

[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

[Effectiveness of antibiotic treatment in children with Lyme neuroborreliosis - a retrospective study.](#)

BMC pediatrics , Volume: 22 Issue: 1 2022 Jun 9

Authors Arnason S,Skogman BH

[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

[Curcumin Supplementation Ameliorates Bile Cholesterol Supersaturation in Hamsters by Modulating Gut Microbiota and Cholesterol Absorption.](#)

Nutrients , Volume: 14 Issue: 9 2022 Apr 27

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

[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

[Berberine ameliorates DSS-induced intestinal mucosal barrier dysfunction through microbiota-dependence and Wnt/ \$\beta\$ -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

[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

[Curcumin Alleviates Dextran Sulfate Sodium-Induced Colitis in Mice Through Regulating Gut Microbiota.](#)

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

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

[Physicochemical Properties of the Soluble Dietary Fiber from Laminaria japonica and Its Role in the Regulation of Type 2 Diabetes Mice.](#)

Nutrients , Volume: 14 Issue: 2 2022 Jan 13

Authors Wang X,Zhang L,Qin L,Wang Y,Chen F,Qu C,Miao J

[Yeast \$\beta\$ -Glucan Altered Intestinal Microbiome and Metabolome in Older Hens.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Zhen W,Liu Y,Shao Y,Ma Y,Wu Y,Guo F,Abbas W,Guo Y,Wang Z

[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

[Soluble Polysaccharide Derived from Laminaria japonica Attenuates Obesity-Related Nonalcoholic Fatty Liver Disease Associated with Gut Microbiota Regulation.](#)

Marine drugs , Volume: 19 Issue: 12 2021 Dec 9

Authors Zhang Y,Yang L,Zhao N,Hong Z,Cai B,Le Q,Yang T,Shi L,He J

[Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients.](#)

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

Authors Amadieu C,Coste V,Neyrinck AM,Thijssen V,Leyrolle Q,Bindels LB,Piessevaux H,Stärkel P,de Timary P,Delzenne

NM,Leclercq S

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

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

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

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

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

Unravelling the collateral damage of antibiotics on gut bacteria.

Nature , Volume: 599 Issue: 7883 2021 Nov

Authors Maier L,Goemans CV,Wirbel J,Kuhn M,Eberl C,Pruteanu M,Müller P,Garcia-Santamarina S,Cacace E,Zhang B,Gekeler C,Banerjee T,Anderson EE,Milanese A,Löber U,Forslund SK,Patil KR,Zimmermann M,Stecher B,Zeller G,Bork P,Typas A

Gut microbiota link dietary fiber intake and short-chain fatty acid metabolism with eating behavior.

Translational psychiatry , Volume: 11 Issue: 1 2021 Oct 1

Authors Medawar E,Haange SB,Rolle-Kampczyk U,Engelmann B,Dietrich A,Thieleking R,Wiegank C,Fries C,Horstmann A,Villringer A,von Bergen M,Fenske W,Veronica Witte A

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

Berberine combined with stachyose improves glycometabolism and gut microbiota through regulating colonic microRNA and gene expression in diabetic rats.

Life sciences , Volume: 284 2021 Nov 1

Authors Li C,Cao H,Huan Y,ji W,Liu S,Sun S,Liu Q,Lei L,Liu M,Gao X,Fu Y,Li P,Shen Z

Effectiveness and safety of Bifidobacterium and berberine in human hyperglycemia and their regulatory effect on the gut microbiota: a multi-center, double-blind, randomized, parallel-controlled study.

Genome medicine , Volume: 13 Issue: 1 2021 Aug 9

Authors Ming J,Yu X,Xu X,Wang L,Ding C,Wang Z,Xie X,Li S,Yang W,Luo S,He Q,Du Y,Tian Z,Gao X,Ma K,Fang Y,Li C,Zhao J,Wang X,ji Q

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn`s disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 8 2021 Jun 23

Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Stagg AJ,Lindsay JO,Whelan K

Punicic acid ameliorates obesity and liver steatosis by regulating gut microbiota composition in mice.

Food & function , 2021 Jul 9

Authors Yuan G,Tan M,Chen X

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

Habitual Dietary Intake Affects the Altered Pattern of Gut Microbiome by Acarbose in Patients with Type 2 Diabetes.

Nutrients , Volume: 13 Issue: 6 2021 Jun 19

Authors Takewaki F,Nakajima H,Takewaki D,Hashimoto Y,Majima S,Okada H,Senmaru T,Ushigome E,Hamaguchi M,Yamazaki M,Tanaka Y,Nakajima S,Ohno H,Fukui M

Nrf2/ARE Activators Improve Memory in Aged Mice via Maintaining of Mitochondrial Quality Control of Brain and the Modulation of Gut Microbiome.

Pharmaceuticals (Basel, Switzerland) , Volume: 14 Issue: 7 2021 Jun 23

Authors Sadovnikova IS,Gureev AP,Ignatyeva DA,Gryaznova MV,Chernyshova EV,Krutsikh EP,Novikova AG,Popov VN

Gut Microbial SNPs Induced by High-Fiber Diet Dominate Nutrition Metabolism and Environmental Adaption of Faecalibacterium prausnitzii in Obese Children.

Frontiers in microbiology , Volume: 12 2021

Authors Li H,Zhao L,Zhang M

Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.

Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation , 2021 Jun 11

Authors Biruete A,Cross TL,Allen JM,Kistler BM,de Loo H,Evenepoel P,Fahey GC Jr,Bauer L,Swanson KS,Wilund KR
[Lyme borreliosis and Lyme neuroborreliosis - an update].

Deutsche medizinische Wochenschrift (1946) , Volume: 146 Issue: 11 2021 Jun

Authors Dersch R,Fingerle V

The Positive Association between Proton Pump Inhibitors and Clostridium Difficile Infection.

Innovations in pharmacy , Volume: 12 Issue: 1 2021

Authors Tawam D,Baladi M,Jungsuwadee P,Earl G,Han J

Curcumin alleviates high-fat diet-induced hepatic steatosis and obesity in association with modulation of gut microbiota in mice.

Food research international (Ottawa, Ont.) , Volume: 143 2021 May

Authors Li S,You J,Wang Z,Liu Y,Wang B,Du M,Zou T

Clearance of Clostridioides difficile Colonization Is Associated with Antibiotic-Specific Bacterial Changes.

mSphere , Volume: 6 Issue: 3 2021 May 5

Authors Lesniak NA,Schubert AM,Sinani H,Schloss PD

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

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

Lyme disease: "End of the debate?"

Joint bone spine , Volume: 88 Issue: 4 2021 Jul

Authors Coiffier G,Tattevin P

Effect of Supplementing Seaweed Extracts to Pigs until d35 Post-Weaning on Performance and Aspects of Intestinal Health.

Marine drugs , Volume: 19 Issue: 4 2021 Mar 26

Authors Vigors S,O`Doherty J,Rattigan R,Sweeney T

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

Gut Microbiota and Its Metabolite Deoxycholic Acid Contribute to Sucralose Consumption-Induced Nonalcoholic Fatty Liver Disease.

Journal of agricultural and food chemistry , Volume: 69 Issue: 13 2021 Apr 7

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

Effect of Blueberry Anthocyanin-Rich Extracts on Peripheral and Hippocampal Antioxidant Defensiveness: The Analysis of the Serum Fatty Acid Species and Gut Microbiota Profile.

Journal of agricultural and food chemistry , Volume: 69 Issue: 12 2021 Mar 31

Authors Si X,Bi J,Chen Q,Cui H,Bao Y,Tian J,Shu C,Wang Y,Tan H,Zhang W,Chen Y,Li B

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

Effect of probiotic Lactobacillus plantarum Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults.

World journal of gastroenterology , Volume: 27 Issue: 1 2021 Jan 7

Authors Rahayu ES,Mariyatun M,Putri Manurung NE,Hasan PN,Therdatha P,Mishima R,Komalasari H,Mahfuzah NA,Pamungkaningtyas FH,Yoga WK,Nurfiana DA,Liwan SY,Juffrie M,Nugroho AE,Utami T

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

Blueberry and cranberry anthocyanin extracts reduce bodyweight and modulate gut microbiota in C57BL/6 J mice fed with a high-fat diet.

European journal of nutrition , 2021 Jan 3

Authors Liu J,Hao W,He Z,Kwek E,Zhu H,Ma N,Ma KY,Chen ZY

Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M²-Nuclear Factor- κ B-Nod-Like Receptor Protein 3 Pathway via gut-Liver Axis in Mice.

Frontiers in pharmacology , Volume: 11 2020

Authors Bao T,He F,Zhang X,Zhu L,Wang Z,Lu H,Wang T,Li Y,Yang S,Wang H

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

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

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

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

Effects of Non-insulin Anti-hyperglycemic Agents on Gut Microbiota: A Systematic Review on Human and Animal Studies.

Frontiers in endocrinology , Volume: 11 2020

Authors Cao TB,Wu KC,Hsu JL,Chang CS,Chou C,Lin CY,Liao YM,Lin PC,Yang LY,Lin HW

Intermittent Fasting Improves Cardiometabolic Risk Factors and Alters Gut Microbiota in Metabolic Syndrome Patients.

The Journal of clinical endocrinology and metabolism , Volume: 106 Issue: 1 2021 Jan 1

Authors Guo Y,Luo S,Ye Y,Yin S,Fan J,Xia M

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

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

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

Does Curcumin Have a Role in the Interaction between Gut Microbiota and Schistosoma mansoni in Mice?

Pathogens (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 19

Authors Anter A,El-Ghany MA,Abou El Dahab M,Mahana N

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

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

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

Sulforaphane alter the microbiota and mitigate colitis severity on mice ulcerative colitis induced by DSS.

AMB Express , Volume: 10 Issue: 1 2020 Jul 3

Authors Zhang Y,Tan L,Li C,Wu H,Ran D,Zhang Z

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

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

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

Synergetic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs.

European journal of nutrition , Volume: 60 Issue: 2 2021 Mar

Authors He J,Xie H,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPAR α signal pathway and gut microbiota.

Applied microbiology and biotechnology , Volume: 104 Issue: 13 2020 Jul

Authors Cai H,Wen Z,Li X,Meng K,Yang P

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

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

Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE $^{-/-}$ Mice.

Frontiers in pharmacology , Volume: 11 2020

Authors Wu M,Yang S,Wang S,Cao Y,Zhao R,Li X,Xing Y,Liu L

Randomised clinical trial: effect of low-FODMAP rye bread versus regular rye bread on the intestinal microbiota of irritable bowel syndrome patients: association with individual symptom variation.

BMC nutrition , Volume: 5 2019

Authors Laatikainen R,Jalanka J,Loponen J,Hongisto SM,Hillilä M,Koskenpato J,Korpela R,Salonen A

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.

Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun

Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B

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 α -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

Effect of *Lactobacillus gasseri* PA3 on gut microbiota in an in vitro colonic simulation.

Food science & nutrition , Volume: 7 Issue: 12 2019 Dec

Authors Xiang S,Fu J,Ye K,Zheng Y,Zhu X,Chen J,Chen Y

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

Dietary intervention using (1,3)/(1,6)- β -glucan, a fungus-derived soluble prebiotic ameliorates high-fat diet-induced metabolic distress and alters beneficially the gut microbiota in mice model.

European journal of nutrition , Volume: 59 Issue: 6 2020 Sep

Authors Muthuramalingam K,Singh V,Choi C,Choi SI,Kim YM,Unno T,Cho M

Curcumin: A natural derivative with antibacterial activity against *Clostridium difficile*.

Journal of global antimicrobial resistance , Volume: 21 2020 Jun

Authors Mody D,Athamneh AIM,Seleem MN

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

Effects of Olive Oil and Its Minor Components on Cardiovascular Diseases, Inflammation, and Gut Microbiota.

Nutrients , Volume: 11 Issue: 8 2019 Aug 7

Authors Marcelino G,Hiane PA,Freitas KC,Santana LF,Pott A,Donadon JR,Guimarães RCA

Daily intake of wheat germ-enriched bread may promote a healthy gut bacterial microbiota: a randomised controlled trial.

European journal of nutrition , Volume: 59 Issue: 5 2020 Aug

Authors Moreira-Rosário A,Marques C,Pinheiro H,Norberto S,Sintra D,Teixeira JA,Calhau C,Azevedo LF

The specific use of alginate from Laminaria japonica by Bacteroides species determined its modulation of the Bacteroides community.

Food & function , Volume: 10 Issue: 7 2019 Jul 17

Authors Ai C,Jiang P,Liu Y,Duan M,Sun X,Luo T,Jiang G,Song S

Additional Effect of Dietary Fiber in Patients with Type 2 Diabetes Mellitus Using Metformin and Sulfonylurea: An Open-Label, Pilot Trial.

Diabetes & metabolism journal , 2019 Apr 23

Authors Lee SE,Choi Y,Jun JE,Lee YB,Jin SM,Hur KY,Ko GP,Lee MK

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

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

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

Broccoli consumption affects the human gastrointestinal microbiota.

The Journal of nutritional biochemistry , Volume: 63 2019 Jan

Authors Kaczmarek JL,Liu X,Charron CS,Novotny JA,Jeffery EH,Seifried HE,Ross SA,Miller MJ,Swanson KS,Holscher HD

Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.

Molecular nutrition & food research , Volume: 62 Issue: 22 2018 Nov

Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ

Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.

Archives of animal nutrition , Volume: 72 Issue: 6 2018 Dec

Authors Li B,Schroyen M,Leblais J,Wavreille J,Soyeurt H,Bindelle J,Everaert N

Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.

Environmental microbiology , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM,Van de Wiele T

Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

Journal of evidence-based integrative medicine , Volume: 23 2018 Jan-Dec

Authors Peterson CT,Vaughn AR,Sharma V,Chopra D,Mills PJ,Peterson SN,Sivamani RK

Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Mayta-Apaza AC,Pottgen E,De Bodt J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SO,Carbonero F
A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.

Applied and environmental microbiology , Volume: 84 Issue: 19 2018 Oct 1

Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R

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

Changes in metabolism and microbiota after 24-week risperidone treatment in drug naïve, normal weight patients with first episode schizophrenia.

Schizophrenia research , 2018 May 30

Authors Yuan X,Zhang P,Wang Y,Liu Y,Li X,Kumar BU,Hei G,Lv L,Huang XF,Fan X,Song X

Effects of the Brown Seaweed Laminaria japonica Supplementation on Serum Concentrations of IgG, Triglycerides, and Cholesterol, and Intestinal Microbiota Composition in Rats.

Frontiers in nutrition , Volume: 5 2018

Authors Kim JY,Kwon YM,Kim IS,Kim JA,Yu DY,Adhikari B,Lee SS,Choi IS,Cho KK

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

Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.

Journal of applied microbiology , Volume: 125 Issue: 1 2018 Jul

Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K

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

Nature , Volume: 555 Issue: 7698 2018 Mar 29

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

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

PeerJ , Volume: 6 2018

Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X

Soluble dietary fiber improves energy homeostasis in obese mice by remodeling the gut microbiota.

Biochemical and biophysical research communications , Volume: 498 Issue: 1 2018 Mar 25

Authors Wang H,Hong T,Li N,Zang B,Wu X

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.

Frontiers in microbiology , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 73 Issue: 1 2018 Mar

Authors Paturi G,Butts CA,Monro JA,Hedderley D

Effects of dietary fiber levels on cecal microbiota composition in geese.

Asian-Australasian journal of animal sciences , Volume: 31 Issue: 8 2018 Aug

Authors Li Y,Yang H,Xu L,Wang Z,Zhao Y,Chen X

Ceftriaxone promotes the emergence of AmpC-overproducing Enterobacteriaceae in gut microbiota from hospitalized patients.

European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology , Volume: 37 Issue: 3 2018 Mar

Authors de Lastours V,Goulénok T,Guérin F,Jacquier H,Eyma C,Chau F,Cattoir V,Fantin B

Effect of dark sweet cherry powder consumption on the gut microbiota, short-chain fatty acids, and biomarkers of gut health in obese db/db mice.

PeerJ , Volume: 6 2018

Authors Garcia-Mazcorro JF,Lage NN,Mertens-Talcott S,Talcott S,Chew B,Dowd SE,Kawas JR,Noratto GD

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

Journal of food protection , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

Systematic review: human gut dysbiosis induced by non-antibiotic prescription medications.

Alimentary pharmacology & therapeutics , Volume: 47 Issue: 3 2018 Feb

Authors Le Bastard Q,Al-Ghalith GA,Grégoire M,Chapelet G,Javaudin F,Dailly E,Batard E,Knight D,Montassier E

- 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
Doxycycline induces dysbiosis in female C57BL/6NCrl mice
- BMC Research Notes** , Volume: 10 2017 Nov 29
 Authors Boynton FD,Ericsson AC,Uchihashi M,Dunbar ML,Wilkinson JE
Genes and Gut Bacteria Involved in Luminal Butyrate Reduction Caused by Diet and Loperamide.
- Genes** , Volume: 8 Issue: 12 2017 Nov 28
 Authors Hwang N,Eom T,Gupta SK,Jeong SY,Jeong DY,Kim YS,Lee JH,Sadowsky MJ,Unno T
Quercetin metabolism by fecal microbiota from healthy elderly human subjects.
- PloS one** , Volume: 12 Issue: 11 2017
 Authors Tamura M,Hoshi C,Kobori M,Takahashi S,Tomita J,Nishimura M,Nishihira J
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
Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminant Microbiota in Dairy Cows Fed High-Grain Diets.
- Frontiers in microbiology** , Volume: 8 2017
 Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B
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
Para-psychobiotic Lactobacillus gasseri CP2305 ameliorates stress-related symptoms and sleep quality.
- Journal of applied microbiology** , Volume: 123 Issue: 6 2017 Dec
 Authors Nishida K,Sawada D,Kawai T,Kuwano Y,Fujiwara S,Rokutan K
Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.
- Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , 2017 Aug 29
 Authors Lin TH,Pan TM
Lactobacillus plantarum LP-Only alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.
- Molecular medicine reports** , Volume: 16 Issue: 5 2017 Nov
 Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z
Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.
- Food & nutrition research** , Volume: 61 Issue: 1 2017
 Authors Shen L,Liu L, Ji HF
Effects of One-Week Empirical Antibiotic Therapy on the Early Development of Gut Microbiota and Metabolites in Preterm Infants
- Scientific Reports** , Volume: 7 2017 Aug 14
 Authors Zhu D,Xiao S,Yu J,Ai Q,He Y,Cheng C,Zhang Y,Pan Y
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
Effect of *Lactobacillus rhamnosus* HNO01 and *Bifidobacterium longum* BB536 on the healthy gut microbiota composition at phyla and species level: A preliminary study.
- World journal of gastroenterology** , Volume: 23 Issue: 15 2017 Apr 21
 Authors Toscano M,De Grandi R,Stronati L,De Vecchi E,Drago L
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
Deprescribing versus continuation of chronic proton pump inhibitor use in adults.
- The Cochrane database of systematic reviews** , Volume: 3 Issue: 3 2017 Mar 16
 Authors Boghossian TA,Rashid FJ,Thompson W,Welch V,Moayyedi P,Rojas-Fernandez C,Pottie K,Farrell B

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

The Safety of Appropriate Use of Over-the-Counter Proton Pump Inhibitors: An Evidence-Based Review and Delphi Consensus.

Drugs , Volume: 77 Issue: 5 2017 Apr

Authors Johnson DA,Katz PO,Armstrong D,Cohen H,Delaney BC,Howden CW,Katellaris P,Tutuian RI,Castell DO

Kodo millet whole grain and bran supplementation prevents high-fat diet induced derangements in a lipid profile, inflammatory status and gut bacteria in mice.

Food & function , Volume: 8 Issue: 3 2017 Mar 22

Authors Sarma SM,Khare P,Jagtap S,Singh DP,Baboota RK,Podili K,Boparai RK,Kaur J,Bhutani KK,Bishnoi M,Kondepudi KK

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

Clinical characteristics and antimicrobial susceptibilities of anaerobic bacteremia in an acute care hospital.

Anaerobe , Volume: 43 2017 Feb

Authors Tan TY,Ng LS,Kwang LL,Rao S,Eng LC

Breaking the resistance of Escherichia coli: Antimicrobial activity of Berberis lycium Royle.

Microbial pathogenesis , Volume: 102 2017 Jan

Authors Malik TA,Kamili AN,Chishti MZ,Ahad S,Tantry MA,Hussain PR,Johri RK

Veggies and Intact Grains a Day Keep the Pathogens Away.

Cell , Volume: 167 Issue: 5 2016 Nov 17

Authors Gazzaniga FS,Kasper DL

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

Apple peel polyphenols: a key player in the prevention and treatment of experimental inflammatory bowel disease.

Clinical science (London, England : 1979) , Volume: 130 Issue: 23 2016 Dec 1

Authors Denis MC,Roy D,Yeganeh PR,Desjardins Y,Varin T,Haddad N,Amre D,Sané AT,Garofalo C,Furtos A,Patey N,Delvin E,Tremblay E,Marette A,Beaulieu JF,Levy E

Integrative analysis of metabolome and gut microbiota in diet-induced hyperlipidemic rats treated with berberine compounds.

Journal of translational medicine , Volume: 14 Issue: 1 2016 Aug 5

Authors Li M,Shu X,Xu H,Zhang C,Yang L,Zhang L,Ji G

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

Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat`s tissue homogenate.

Pakistan journal of pharmaceutical sciences , Volume: 29 Issue: 2 2016 Mar

Authors Hassan W,Gul S,Rehman S,Kanwal F,Afridi MS,Fazal H,Shah Z,Rahman A,da Rocha JB

In vitro extraction and fermentation of polyphenols from grape seeds (Vitis vinifera) by human intestinal microbiota.

Food & function , Volume: 7 Issue: 4 2016 Apr

Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X

Lingonberries reduce atherosclerosis in Apoe(-/-) mice in association with altered gut microbiota composition and improved lipid profile.

Molecular nutrition & food research , Volume: 60 Issue: 5 2016 May

Authors Matziouridou C,Marunguang N,Nguyen TD,Nyman M,Fåk F

Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.

Journal of dairy science , Volume: 99 Issue: 3 2016 Mar

Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X

Extrusion of barley and oat influence the fecal microbiota and SCFA profile of growing pigs.

Food & function , Volume: 7 Issue: 2 2016 Feb

Authors Moen B,Berget I,Rud I,Hole AS,Kjos NP,Sahlstrøm S

Two Healthy Diets Modulate Gut Microbial Community Improving Insulin Sensitivity in a Human Obese Population.

The Journal of clinical endocrinology and metabolism , Volume: 101 Issue: 1 2016 Jan

Authors Haro C,Montes-Borrego M,Rangel-Zúñiga OA,Alcalá-Díaz JF,Gómez-Delgado F,Pérez-Martínez P,Delgado-Lista J,Quintana-Navarro GM,Tinahones FJ,Landa BB,López-Miranda J,Camargo A,Pérez-Jiménez F

[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

[The gut microbial community in metabolic syndrome patients is modified by diet.](#)

The Journal of nutritional biochemistry , Volume: 27 2016 Jan

Authors Haro C,García-Carpintero S,Alcala-Diaz JF,Gomez-Delgado F,Delgado-Lista J,Perez-Martinez P,Rangel Zúñiga OA,Quintana-Navarro GM,Landa BB,Clemente JC,Lopez-Miranda J,Camargo A,Perez-Jimenez F

[A Lactobacillus plantarum strain isolated from kefir protects against intestinal infection with Yersinia enterocolitica O9 and modulates immunity in mice.](#)

Research in microbiology , Volume: 166 Issue: 8 2015 Oct

Authors De Montijo-Prieto S,Moreno E,Bergillos-Meca T,Lasserrot A,Ruiz-López MD,Ruiz-Bravo A,Jiménez-Valera M

[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

[Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.](#)

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

[Wheat and barley differently affect porcine intestinal microbiota.](#)

Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

[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

[Review article: dietary fibre-microbiota interactions.](#)

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

Authors Simpson HL,Campbell BJ

[Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets.](#)

The British journal of nutrition , Volume: 113 Issue: 10 2015 May 28

Authors Zhong Y,Marunguang N,Fåk F,Nyman M

[Berberine blocks the relapse of Clostridium difficile infection in C57BL/6 mice after standard vancomycin treatment.](#)

Antimicrobial agents and chemotherapy , Volume: 59 Issue: 7 2015 Jul

Authors Lv Z,Peng G,Liu W,Xu H,Su J

[Drug combinations against Borrelia burgdorferi persists in vitro: eradication achieved by using daptomycin, cefoperazone and doxycycline.](#)

PloS one , Volume: 10 Issue: 3 2015

Authors Feng J,Auwaerter PG,Zhang Y

[The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.](#)

Beneficial microbes , Volume: 6 Issue: 4 2015

Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

[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

[Arabinoxylan in wheat is more responsible than cellulose for promoting intestinal barrier function in weaned male piglets.](#)

The Journal of nutrition , Volume: 145 Issue: 1 2015 Jan

Authors Chen H,Wang W,Degroote J,Possemiers S,Chen D,De Smet S,Michiels J

[Low-dose aspartame consumption differentially affects gut microbiota-host metabolic interactions in the diet-induced obese rat.](#)

PloS one , Volume: 9 Issue: 10 2014

Authors Palmnäs MS,Cowan TE,Bornhof MR,Su J,Reimer RA,Vogel HJ,Hittel DS,Shearer J

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

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

RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.

Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr

Authors Tannock GW, Lawley B, Munro K, Sims IM, Lee J, Butts CA, Roy N

Probiotic features of two oral Lactobacillus isolates.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1 2012 Jan

Authors Zavisic G, Petricevic S, Radulovic Z, Begovic J, Golic N, Topisirovic L, Strahinic I

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

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

Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.

FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun

Authors Beloshapka AN, Dowd SE, Suchodolski JS, Steiner JM, Duclos L, Swanson KS

Lyme disease associated with sudden sensorineural hearing loss: case report and literature review.

Otology & neurotology : official publication of the American Otological Society, American Neurotology Society [and] European Academy of Otology and Neurotology , Volume: 34 Issue: 5 2013 Jul

Authors Peeters N, van der Kolk BY, Thijsen SF, Colnot DR

Effects of oat β -glucan and barley β -glucan on fecal characteristics, intestinal microflora, and intestinal bacterial metabolites in rats.

Journal of agricultural and food chemistry , Volume: 60 Issue: 45 2012 Nov 14

Authors Shen RL, Dang XY, Dong JL, Hu XZ

Gut microbiome composition is linked to whole grain-induced immunological improvements.

The ISME journal , Volume: 7 Issue: 2 2013 Feb

Authors Martínez I, Lattimer JM, Hubach KL, Case JA, Yang J, Weber CG, Louk JA, Rose DJ, Kyureghian G, Peterson DA, Haub MD, Walter J

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

Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal inflammation and Smad 7 cell signaling.

FEMS immunology and medical microbiology , Volume: 65 Issue: 3 2012 Aug

Authors Foye OT, Huang IF, Chiou CC, Walker WA, Shi HN

The effects of seaweed extract inclusion on gut morphology, selected intestinal microbiota, nutrient digestibility, volatile fatty acid concentrations and the immune status of the weaned pig.

Animal : an international journal of animal bioscience , Volume: 2 Issue: 10 2008 Oct

Authors Reilly P, O'Doherty JV, Pierce KM, Callan JJ, O'Sullivan JT, Sweeney T

Effect of the oral intake of yogurt containing Bifidobacterium longum BB536 on the cell numbers of enterotoxigenic Bacteroides fragilis in microbiota.

Anaerobe , Volume: 18 Issue: 1 2012 Feb

Authors Odamaki T, Sugahara H, Yonezawa S, Yaeshima T, Iwatsuki K, Tanabe S, Tominaga T, Togashi H, Benno Y, Xiao JZ

In-vitro antimicrobial activity and synergistic/antagonistic effect of interactions between antibiotics and some spice essential oils.

Journal of environmental biology , Volume: 32 Issue: 1 2011 Jan

Authors Toroglu S

Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.

Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C

Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice.

PloS one , Volume: 6 Issue: 6 2011

Authors Neyrinck AM,Possemiers S,Druart C, Van de Wiele T,De Backer F,Cani PD,Larondelle Y,Delzenne NM

Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.

Pharmaceutical biology , Volume: 49 Issue: 4 2011 Apr

Authors Özçelik B,Kartal M,Orhan I

Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.

Poultry science , Volume: 90 Issue: 3 2011 Mar

Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A

The effects of laminarin derived from Laminaria digitata on measurements of gut health: selected bacterial populations, intestinal fermentation, mucin gene expression and cytokine gene expression in the pig.

The British journal of nutrition , Volume: 105 Issue: 5 2011 Mar

Authors Smith AG,O'Doherty JV,Reilly P,Ryan MT,Bahar B,Sweeney T

Effect of β -glucanase and xylanase supplementation of barley- and rye-based diets on caecal microbiota of broiler chickens.

British poultry science , Volume: 51 Issue: 4 2010 Aug

Authors Jozefiak D,Rutkowski A,Kaczmarek S,Jensen BB,Engberg RM,Højberg O

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

Splenda alters gut microflora and increases intestinal p-glycoprotein and cytochrome p-450 in male rats.

Journal of toxicology and environmental health. Part A , Volume: 71 Issue: 21 2008

Authors Abou-Donia MB,El-Masry EM,Abdel-Rahman AA,McLendon RE,Schiffman SS

In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.

FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun

Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA

Synergistic antimicrobial activity of tea & antibiotics.

The Indian journal of medical research , Volume: 122 Issue: 1 2005 Jul

Authors Tiwari TP,Bharti SK,Kaur HD,Dikshit RP,Hoondal GS

Contribution of acetate to butyrate formation by human faecal bacteria.

The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun

Authors Duncan SH,Holtrup G,Lobley GE,Calder AG,Stewart CS,Flint HJ

Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.

The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec

Authors Dongowski G,Huth M,Gebhardt E,Flamme W

Lyme disease in central Europe.

Current opinion in infectious diseases , Volume: 14 Issue: 2 2001 Apr

Authors Hercogova J,Brzonova I

[Sensitivity to antibiotics of bacteria from nosocomial infections. Evolution in resuscitation services of military hospitals].

Presse medicale (Paris, France : 1983) , Volume: 29 Issue: 27 2000 Sep 23

Authors Garrabé E,Cavallo JD,Brisou P,Chapalain JC,Coué JC,Courrier P,Granic G,Hervé V,Koeck JL,Morillon M,Claude JD,Rouby Y,Teyssou R

Berberine.

Alternative medicine review : a journal of clinical therapeutic , Volume: 5 Issue: 2 2000 Apr

Authors

[Bartonellosis. II. Other Bartonella responsible for human diseases].

Annales de biologie clinique , Volume: 57 Issue: 1 1999 Jan-Feb

Authors Piémont Y,Heller R

[Lyme borreliosis: therapeutic aspects].

Presse medicale (Paris, France : 1983) , Volume: 27 Issue: 39 1998 Dec 12

Authors Dhôte R,Basse-Guerineau AL,Bachmeyer C,Christoforov B,Assous MV

Microbiological examinations and in-vitro testing of different antibiotics in therapeutic endoscopy of the biliary system.

Endoscopy , Volume: 30 Issue: 8 1998 Oct

Authors Lorenz R,Herrmann M,Kassem AM,Lehn N,Neuhaus H,Classen M

Antimicrobial and antioxidant activities of unripe papaya.**Life sciences** , Volume: 53 Issue: 17 1993

Authors Osato JA,Santiago LA,Remo GM,Cuadra MS,Mori A

[A nationwide survey of antimicrobial susceptibilities of clinical isolates to antibiotics in Japan (1988-1990)].**The Japanese journal of antibiotics** , Volume: 46 Issue: 6 1993 Jun

Authors Igari J

In vitro antimicrobial activity of fluoroquinolones against clinical isolates obtained in 1989 and 1990.**Journal of the Formosan Medical Association = Taiwan yi zhi** , Volume: 92 Issue: 12 1993 Dec

Authors Chen YC,Chang SC,Hsu LY,Hsieh WC,Luh KT

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,Waites WM

[Antimicrobial activity of ornidazole and 6 other antibiotics against anaerobic bacteria].**Enfermedades infecciosas y microbiología clínica** , Volume: 9 Issue: 4 1991 Apr

Authors Alados JC,Martínez-Brocal A,Miranda C,Rojo MD,García V,Domínguez MC,de la Rosa M

In vitro activities of 36 antimicrobial agents against clinically isolated Bacteroides fragilis.**Journal of the Formosan Medical Association = Taiwan yi zhi** , Volume: 90 Issue: 8 1991 Aug

Authors Teng LJ,Ho SW,Chang SC,Luh KT,Hsieh WC

Infectious Disease and Antimicrobial Agents**antimicrobe: Infectious Disease and Antimicrobial Agents** , Volume:

Authors E-Sun Technologies

Curated database of commensal, symbiotic and pathogenic microbiota**Generative Bioinformatics** , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas**The FASEB Journal** , Volume: 26 Issue: 1 2012 Apr 1

Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

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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