

Microbiome Information for: Small Intestinal Bacterial Overgrowth (SIBO)

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

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

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

In the USA

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

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

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 Small Intestinal Bacterial Overgrowth (SIBO)

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
Christensenellaceae	family	High		990719	Salmonella	genus	High		590
Enterobacteriaceae	family	High		543	Staphylococcus	genus	High		1279
Oscillospiraceae	family	High		216572	Streptococcus	genus	High		1301
Desulfovibrio	genus	High		872	Acinetobacter baumannii	species	High		470
Enterococcus	genus	High		1350	Bifidobacterium longum	species	Low		216816
Fusobacterium	genus	High		848	Enterococcus faecium	species	High		1352
Klebsiella	genus	High		570	Escherichia coli	species	High		562
Methanobrevibacter	genus	High		2172	Klebsiella pneumoniae	species	High		573
Prevotella	genus	High		838	Methanobrevibacter smithii	species	High		2173
					Pseudomonas aeruginosa	species	High		287

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.

alcoholic beverages

amphotericin

aspartame (sweetner)

Bile Acid Sequestrant

bisphenol a (bpa)

carob

chestnut tannins

colinfant e.coli probiotics

dairy

d-ribose 10 gram/day

fat

fluorine

fruit/legume fibre

grape polyphenols

green-lipped mussel

high fiber diet

iron 400 mg/day

isepamicin (antibiotic)s

ku ding cha tea

lactose

lactulose

lividomycin (antibiotic)s

macrolide ((antibiotic)s)

Miso

navy bean

non-starch polysaccharides

oligosaccharides (prebiotic)

paromomycin (antibiotic)s

penicillin-moxalactam (antibiotic)s

proton-pump inhibitors (prescription) 60 mg/day

Pulses

Pumpkin

raffinose(sugar beet)

red alga *Laurencia tristicha*

red wine 250 ml/day

rice bran

rifampicin (antibiotic)s

Slippery Elm

smoking

sodium butyrate

β-glucan 500 mg/day

streptomycin (antibiotic)s

symbioflor 2 e.coli probiotics

Vitamin C (ascorbic acid) 30 g/day

Retail Probiotics

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

symbiopharm / symbioflo 2

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.

amikacin (antibiotic)s
amoxicillin (antibiotic)s[CFS]
ampicillin (antibiotic)s[CFS]
benzylpenicillin sodium (antibiotic)
ceftazidime (antibiotic)s
cinnamon (oil. spice)
ciprofloxacin (antibiotic)s[CFS]
Curcumin
fluoroquinolone (antibiotic)s
foeniculum vulgare,fennel

gentamicin (antibiotic)s
imipenem (antibiotic)s
lactobacillus plantarum (probiotics)
meropenem (antibiotic)s
oregano (origanum vulgare, oil) |
piperacillin-tazobactam (antibiotic)s
syzygium aromaticum (clove)
thyme (thymol, thyme oil)
trimethoprim (antibiotic)s
vancomycin (antibiotic)[CFS]

Sample of Literature Used

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

[Methanogens and Hydrogen Sulfide Producing Bacteria Guide Distinct Gut Microbe Profiles and Irritable Bowel Syndrome Subtypes.](#)

The American journal of gastroenterology , 2022 Sep 6

Authors Villanueva-Millan MJ,Leite G,Wang J,Morales W,Parodi G,Pimentel ML,Barlow GM,Mathur R,Rezaie A,Sanchez M,Ayyad S,Cohrs D,Chang C,Rashid M,Hosseini A,Fiorentino A,Weitsman S,Chuang B,Chang B,Pichetshote N,Pimentel M

[Small Intestinal Bacterial Overgrowth and Irritable Bowel Syndrome - An Update.](#)

Frontiers in psychiatry , Volume: 11 2020

Authors Takakura W,Pimentel M

[\[Methanobrevibacter smithii in irritable bowel syndrome: a clinical and molecular study\].](#)

Terapevticheskii arkhiv , Volume: 91 Issue: 8 2019 Aug 15

Authors Vlasova AV,Isakov VA,Pilipenko VI,Sheveleva SA,Markova YM,Polyanina AS,Maev IV

[Small intestinal bacterial overgrowth is associated with Diarrhea-predominant irritable bowel syndrome by increasing mainly <i>Prevotella</i> abundance.](#)

Scandinavian journal of gastroenterology , Volume: 54 Issue: 12 2019 Dec

Authors Wu KQ,Sun WJ,Li N,Chen YQ,Wei YL,Chen DF

[Fecal microbiota analysis of children with small intestinal bacterial overgrowth among residents of an urban slum in Brazil.](#)

Jornal de pediatria , Volume: 94 Issue: 5 2018 Sep - Oct

Authors Mello CS,Rodrigues MSDC,Filho HBA,Melli LCFL,Tahan S,Pignatari ACC,de Morais MB

[Irritable Bowel Syndrome, Particularly the Constipation-Predominant Form, Involves an Increase in <i>Methanobrevibacter smithii</i>, Which Is Associated with Higher Methane Production.](#)

Gut and liver , Volume: 10 Issue: 6 2016 Nov 15

Authors Ghoshal U,Shukla R,Srivastava D,Ghoshal UC

[Breath tests in the diagnosis of small intestinal bacterial overgrowth in patients with irritable bowel syndrome in comparison with quantitative upper gut aspirate culture.](#)

European journal of gastroenterology & hepatology , Volume: 26 Issue: 7 2014 Jul

Authors Ghoshal UC,Srivastava D,Ghoshal U,Misra A

[\[Lactase deficiency in patients with postinfectious irritable bowel syndrome and the role of intestinal microflora in its development\].](#)

Ekspperimental`naia i klinicheskaia gastroenterologija = Experimental & clinical gastroenterology , Issue: 5 2012

Authors Shcherbakova PL,Parfenov AI,Ruchkina IN,Fadeeva NA,Gubina AV,Melik-Agadzhanian NB,Poleva NI,Khomeriki SG,Chikunova BZ

[Methanobrevibacter smithii is the predominant methanogen in patients with constipation-predominant IBS and methane on breath.](#)

Digestive diseases and sciences , Volume: 57 Issue: 12 2012 Dec

Authors Kim G,Deepinder F,Morales W,Hwang L,Weitsman S,Chang C,Gunsalus R,Pimentel M

[Konjac Oligosaccharides Alleviated Ovariectomy-Induced Bone Loss through Gut Microbiota Modulation and Treg/Th17 Regulation.](#)

Journal of agricultural and food chemistry , 2024 Mar 29

Authors Ai T,Shang L,Li B,Li J,Qin R

[Antibacterial activity of plant-derived compounds and cream formulations against canine skin bacteria.](#)

Veterinary research communications , 2024 Feb 7

Authors Strompfová V,Štempelová L,Wolaschka T

[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

[Effects of Walnut and Pumpkin on Selective Neurophenotypes of Autism Spectrum Disorders: A Case Study.](#)

Nutrients , Volume: 15 Issue: 21 2023 Oct 27

Authors El-Ansary A,Al-Ayadhi L

[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

[Spices as Sustainable Food Preservatives: A Comprehensive Review of Their Antimicrobial Potential.](#)

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

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

Sodium butyrate ameliorates diabetic retinopathy in mice via the regulation of gut microbiota and related short-chain fatty acids.

Journal of translational medicine , Volume: 21 Issue: 1 2023 Jul 7

Authors Huang Y,Wang Z,Ye B,Ma JH, Ji S,Sheng W,Ye S,Ou Y,Peng Y,Yang X,Chen J,Tang S

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

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

Carbohydrate polymers , Volume: 313 2023 Aug 1

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

In vitro effects of different levels of quebracho and chestnut tannins on rumen methane production, fermentation parameters, and microbiota.

Frontiers in veterinary science , Volume: 10 2023

Authors Battelli M,Colombini S,Parma P,Galassi G,Crovetto GM,Spanghero M,Pravettoni D,Zanzani SA,Manfredi MT,Rapetti L

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

Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Wang X,Ye P,Fang L,Ge S,Huang F,Polverini PJ,Heng W,Zheng L,Hu Q,Yan F,Wang W

Correction to "ZnO/Curcumin Nanocomposites for the Enhanced Inhibition of *Pseudomonas aeruginosa* Virulence via LasR-RhlR Quorum Sensing Systems".

Molecular pharmaceutics , 2021 Dec 7

Authors Prateeksha,Rao CV,Das AK,Barik SK,Singh BN

Multidimensional exploration of essential oils generated via eight oregano cultivars: Compositions, chemodiversities, and antibacterial capacities.

Food chemistry , Volume: 374 2022 Apr 16

Authors Hao Y,Kang J,Yang R,Li H,Cui H,Bai H,Tsitsilin A,Li J,Shi L

Gut microbiome and metabolome in a non-human primate model of chronic excessive alcohol drinking.

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

Authors Piacentino D,Grant-Beurmann S,Vizioli C,Li X,Moore CF,Ruiz-Rodado V, Lee MR,Joseph PV,Fraser CM,Weerts EM,Leggjo L

Metagenomic Analysis of Intestinal Microbiota in Flolated Rats.

Biological trace element research , Volume: 200 Issue: 7 2022 Jul

Authors Komuroglu AU,Seckin H,Ertas M,Meydan I

Time to abandon ampicillin plus gentamicin in favour of ampicillin plus ceftriaxone in Enterococcus faecalis infective endocarditis? A meta-analysis of comparative trials.

Clinical research in cardiology : official journal of the German Cardiac Society , 2021 Nov 9

Authors Mirna M,Topf A,Schmutzler L,Hoppe UC,Lichtenauer M

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

Dietary and Pharmacologic Manipulations of Host Lipids and Their Interaction With the Gut Microbiome in Non-human Primates.

Frontiers in medicine , Volume: 8 2021

Authors Lang JM,Sedgeman LR,Cai L,Layne JD,Wang Z,Pan C,Lee R,Temel RE,Lusis AJ

Alterations in microbiota and their metabolites are associated with beneficial effects of bile acid sequestrant on icteric primary biliary Cholangitis.

Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Li B,Zhang J,Chen Y,Wang Q,Yan L,Wang R,Wei Y,You Z,Li Y,Miao Q,Xiao X,Lian M,Chen W,Qiu D,Fang J,Gershwin ME,Tang R,Ma X

[Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Karakan T,Tuohy KM,Janssen-van Solingen G

[Promiscuous Pseudomonas: Uptake of Non-Endogenous Ligands for Iron Acquisition.](#)

Tetrahedron letters , Volume: 75 2021 Jul 6

Authors Kaplan AR,Wuest WM

[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

[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 mixture of quebracho and chestnut tannins drives butyrate-producing bacteria populations shift in the gut microbiota of weaned piglets.](#)

PloS one , Volume: 16 Issue: 4 2021

Authors Miragoli F,Patrone V,Prandini A,Sigolo S,Del`Anno M,Rossi L,Barbato M,Senizza A,Morelli L,Callegari ML

[Influence of Proton Pump Inhibitors and Histamine Receptor 2 Antagonists on Blastocystis ST3 and Selected Microorganisms of Intestinal Microbiota In Vitro.](#)

Clinical and translational gastroenterology , Volume: 12 Issue: 4 2021 Apr 9

Authors Lepczynska M,Dzika E,Chen W,Lu CY

[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 colon-targeted vitamins on the composition and metabolic activity of the human gut microbiome- a pilot study.](#)

Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Pham VT,Fehlbaum S,Seifert N,Richard N,Bruins MJ,Sybesma W,Rehman A,Steinert RE

[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

[Alcohol decreases intestinal ratio of Lactobacillus to Enterobacteriaceae and induces hepatic immune tolerance in a murine model of DSS-colitis.](#)

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Kuprys PV,Cannon AR,Shieh J,Iftekhar N,Park SK,Eberhardt JM,Ding X,Choudhry MA

[Associations of sodium and potassium consumption with the gut microbiota and host metabolites in a population-based study in Chinese adults.](#)

The American journal of clinical nutrition , 2020 Oct 6

Authors Wang Y,Wang H,Howard AG,Tsilimigras MCB,Avery CL,Meyer KA,Sha W,Sun S,Zhang J,Su C,Wang Z,Zhang B,Fodor AA,Gordon-Larsen P

[A high-fat diet and high-fat and high-cholesterol diet may affect glucose and lipid metabolism differentially through gut microbiota in mice.](#)

Experimental animals , 2020 Oct 1

Authors Liang H,Jiang F,Cheng R,Luo Y,Wang J,Luo Z,Li M,Shen X,He F

[Modulatory Effects of Triphala and Manjistha Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.](#)

Journal of alternative and complementary medicine (New York, N.Y.) , 2020 Sep 18

Authors Peterson CT,Pourang A,Dhaliwal S,Kohn JN,Uchitel S,Singh H,Mills PJ,Peterson SN,Sivamani RK

[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

[Fermented Soy Paste Alleviates Lipid Accumulation in the Liver by Regulating the AMPK Pathway and Modulating Gut Microbiota in High-Fat-Diet-Fed Rats.](#)

Journal of agricultural and food chemistry , Volume: 68 Issue: 35 2020 Sep 2

Authors Tung YC,Liang ZR,Chou SF,Ho CT,Kuo YL,Cheng KC,Lu TJ,Chang YC,Pan MH

Effect of High versus Low Dairy Consumption on the Gut Microbiome: Results of a Randomized, Cross-Over Study.**Nutrients** , Volume: 12 Issue: 7 2020 Jul 17

Authors Swarte JC,Elderink C,Douwes RM,Said MY,Hu S,Post A,Westerhuis R,Bakker SJL,Harmsen HJM

Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?**Nutrients** , Volume: 12 Issue: 6 2020 Jun 12

Authors Knezevic J,Starchl C,Tmava Berisha A,Amrein K

Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.**International journal of molecular sciences** , Volume: 21 Issue: 11 2020 Jun 10

Authors Spisni E,Petrocelli G,Imbesi V,Spigarelli R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC

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

Lactose drives *Enterococcus* expansion to promote graft-versus-host disease.**Science (New York, N.Y.)** , Volume: 366 Issue: 6469 2019 Nov 29

Authors Stein-Thoeringer CK,Nichols KB,Lazrak A,Docampo MD,Slingerland AE,Slingerland JB,Clurman AG,Armijo G,Gomes ALC,Shono Y,Staffas A,Burgos da Silva M,Devlin SM,Markey KA,Bajic D,Pinedo R,Tsakmaklis A,Littmann ER,Pastore A,Taur Y,Monette S,Arcila ME,Pickard AJ,Maloy M,Wright RJ,Amoretti LA,Fontana E,Pham D,Jamal MA,Weber D,Sung AD,Hashimoto D,Scheid C,Xavier JB,Messina JA,Romero K,Lew M,Bush A,Bohannon L,Hayasaka K,Hasegawa Y,Vehreschild MJGT,Cross JR,Ponce DM,Perales MA,Giralt SA,Jenq RR,Teshima T,Holler E,Chao NJ,Pamer EG,Peled JU,van den Brink MRM

Steatosis and gut microbiota dysbiosis induced by high-fat diet are reversed by 1-week chow diet administration.**Nutrition research (New York, N.Y.)** , Volume: 71 2019 Nov

Authors Safari Z,Monnoye M,Abuja PM,Mariadassou M,Kashofer K,Gérard P,Zatloukal K

Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.**Scientific reports** , Volume: 9 Issue: 1 2019 Sep 16

Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M

Effects of Lactobacillus plantarum on the intestinal morphology, intestinal barrier function and microbiota composition of suckling piglets.**Journal of animal physiology and animal nutrition** , 2019 Sep 9

Authors Wang Q,Sun Q,Qi R,Wang J,Qiu X,Liu Z,Huang J

Stability of probiotics with antibiotics via gastric tube by simple suspension method: An in vitro study.**Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy** , 2019 May 21

Authors Mitsuboshi S,Muto K,Okubo K,Fukuhara M

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

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

Influence of proton pump inhibitors on microbiota in chronic liver disease patients.**Hepatology international** , Volume: 13 Issue: 2 2019 Mar

Authors Yamamoto K,Ishigami M,Honda T,Takeyama T,Ito T,Ishizu Y,Kuzuya T,Hayashi K,Goto H,Hirooka Y

Prevalence and Antimicrobial Susceptibility of Bacterial Uropathogens Isolated from Pediatric Patients at Yekatit 12 Hospital Medical College, Addis Ababa, Ethiopia.**International journal of microbiology** , Volume: 2018 2018

Authors Merga Duffa Y,Terfa Kitila K,Mamuye Gebretsadik D,Bitew A

In vitro fermentation of raffinose by the human gut bacteria.**Food & function** , Volume: 9 Issue: 11 2018 Nov 14

Authors Mao B,Tang H,Gu J,Li D,Cui S,Zhao J,Zhang H,Chen W

Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.**Natural product research** , 2018 Oct 13

Authors Condò C,Anacarso I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P

[Microbiological profiles of pathogens causing nosocomial bacteremia in 2011, 2013 and 2016].

Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 34 Issue: 8 2018 Aug 25

Authors Wang X,Zhao C,Li H,Chen H,Jin L,Wang Z,Liao K,Zeng J,Xu X,Jin Y,Su D,Liu W,Hu Z,Cao B,Chu Y,Zhang R,Luo Y,Hu B,Wang H

Composition and metabolism of fecal microbiota from normal and overweight children are differentially affected by melibiose, raffinose and raffinose-derived fructans.

Anaerobe , Volume: 52 2018 Aug

Authors Adamberg K,Adamberg S,Ernits K,Larionova A,Voor T,Jaagura M,Visnapuu T,Alamäe T

Anti-inflammatory and antibacterial evaluation of Thymus sipyleus Boiss. subsp. sipyleus var. sipyleus essential oil against rhinosinusitis pathogens.

Microbial pathogenesis , Volume: 122 2018 Sep

Authors Demirci F,Karaca N,Tekin M,Demirci B

Protective Effect of Aplysin Supplementation on Intestinal Permeability and Microbiota in Rats Treated with Ethanol and Iron.

Nutrients , Volume: 10 Issue: 6 2018 May 27

Authors Ma Y,Li R,Liu Y,Liu M,Liang H

Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.

Nutrients , Volume: 10 Issue: 5 2018 May 8

Authors Klimenko NS,Tyakht AV,Popenko AS,Vasiliev AS,Altukhov IA,Ischenko DS,Shashkova TI,Efimova DA,Nikogosov DA,Osipenko DA,Musienko SV,Selezneva KS,Baranova A,Kurilshikov AM,Toshchakov SM,Korzhenkov AA,Samarov NI,Shevchenko MA,Tepluk AV,Alexeev DG

Pumpkin polysaccharide modifies the gut microbiota during alleviation of type 2 diabetes in rats.

International journal of biological macromolecules , Volume: 115 2018 Aug

Authors Liu G,Liang L,Yu G,Li Q

The bacterium Pseudomonas aeruginosa senses and gradually responds to interspecific competition for iron.

Evolution; international journal of organic evolution , 2018 Apr 17

Authors Leinweber A,Weigert M,Kümmerli R

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

Prebiotic Potential of Herbal Medicines Used in Digestive Health and Disease.

Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 24 Issue: 7 2018 Jul

Authors Peterson CT,Sharma V,Uchitel S,Denniston K,Chopra D,Mills PJ,Peterson SN

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

Impact of Chestnut and Quebracho Tannins on Rumen Microbiota of Bovines.

BioMed research international , Volume: 2017 2017

Authors Díaz Carrasco JM,Cabral C,Redondo LM,Pin Viso ND,Colombatto D,Farber MD,Fernández Miyakawa ME

Transferrin and Lactoferrin - Human Iron Sources for Enterococci.

Polish journal of microbiology , Volume: 66 Issue: 4 2017 Dec 4

Authors Lisiecki P

Update of incidence and antimicrobial susceptibility trends of Escherichia coli and Klebsiella pneumoniae isolates from Chinese intra-abdominal infection patients.

BMC infectious diseases , Volume: 17 Issue: 1 2017 Dec 18

Authors Zhang H,Yang Q,Liao K,Ni Y,Yu Y,Hu B,Sun Z,Huang W,Wang Y,Wu A,Feng X,Luo Y,Chu Y,Chen S,Cao B,Su J,Duan Q,Zhang S,Shao H,Kong H,Gui B,Hu Z,Badal R,Xu Y

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,Knights D,Montassier E

An *in vitro* Comparative Evaluation of Efficacy of Disinfecting Ability of Garlic Oil, Neem Oil, Clove Oil, and Tulsi Oil with autoclaving on Endodontic K Files tested against *Enterococcus faecalis*.

International journal of clinical pediatric dentistry , Volume: 10 Issue: 3 2017 Jul-Sep

Authors Hugar S,M Patel P,Nagmoti J,Uppin C,Mistry L,Dhariwal N

Modulating Effects of Dicafeoylquinic Acids from Ilex kudingcha on Intestinal Microecology in Vitro.**Journal of agricultural and food chemistry** , Volume: 65 Issue: 47 2017 Nov 29

Authors Xie M,Chen G,Wan P,Dai Z,Hu B,Chen L,Ou S,Zeng X,Sun Y

In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.**Journal of food science and technology** , Volume: 54 Issue: 12 2017 Nov

Authors Ashraf SA,AI-Shammari E,Hussain T,Tajuddin S,Panda BP

Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.**The British journal of nutrition** , Volume: 118 Issue: 7 2017 Oct

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

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

A single early-in-life macrolide course has lasting effects on murine microbial network topology and immunity**Nature Communications** , Volume: 8 2017 Sep 11

Authors Ruiz VE,Battaglia T,Kurtz ZD,Bijnens L,Ou A,Engstrand I,Zheng X,Iizumi T,Mullins BJ,Müller CL,Cadwell K,Bonneau R,Perez-Perez GI,Blaser MJ

Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier.**American journal of physiology. Endocrinology and metabolism** , Volume: 314 Issue: 4 2018 Apr 1

Authors Van Hul M,Geurts L,Plovier H,Druart C,Everard A,Ståhlman M,Rhimi M,Chira K,Teissedre PL,Delzenne NM,Maguin E,Guilbot A,Brochot A,Gérard P,Bäckhed F,Cani PD

Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.**Journal of microbiology, immunology, and infection – Wei mian yu gan ran za zhi** , 2017 Aug 29

Authors Lin TH,Pan TM

Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.**Medical science monitor : international medical journal of experimental and clinical research** , Volume: 23 2017 Aug 30

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

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

Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.**Journal of food science** , Volume: 82 Issue: 8 2017 Aug

Authors Lu QY,Summanen PH, Lee RP,Huang J,Henning SM,Heber D,Finegold SM,Li Z

Monitoring *in vitro* antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.**Integrative medicine research** , Volume: 3 Issue: 3 2014 Sep

Authors Rath S,Padhy RN

Bile acid binding resin prevents fat accumulation through intestinal microbiota in high-fat diet-induced obesity in mice.**Metabolism: clinical and experimental** , Volume: 71 2017 Jun

Authors Kusumoto Y,Irie J,Iwabu K,Tagawa H,Itoh A,Kato M,Kobayashi N,Tanaka K,Kikuchi R,Fujita M,Nakajima Y,Morimoto K,Sugizaki T,Yamada S,Kawai T,Watanabe M,Oike Y,Itoh H

Antibiotic use in childhood alters the gut microbiota and predisposes to overweight**Microbial Cell** , Volume: 3 Issue: 7 2016 Jun 20

Authors Korpela K,de Vos WM

Good Bugs vs Bad Bugs: Evaluation of Inhibitory Effect of Selected Probiotics against Enterococcus faecalis.**The journal of contemporary dental practice** , Volume: 18 Issue: 4 2017 Apr 1

Authors Bohora AA,Kokate SR

Impact of Westernized Diet on Gut Microbiota in Children on Leyte Island.**Frontiers in microbiology** , Volume: 8 2017

Authors Nakayama J,Yamamoto A,Palermo-Conde LA,Higashi K,Sonomoto K,Tan J,Lee YK

Carob pods (Ceratonia siliqua L.) improve growth performance, antioxidant status and caecal characteristics in growing

rabbits.

Journal of animal physiology and animal nutrition , Volume: 101 Issue: 6 2017 Dec

Authors *Abu Hafsa SH,Ibrahim SA,Hassan AA*

Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier

World Journal of Gastroenterology , Volume: 23 Issue: 1 2017 Jan 7

Authors *Zhou D,Pan Q,Xin FZ,Zhang RN,He CX,Chen GY,Liu C,Chen YW,Fan JG*

Etiologies of community-onset urinary tract infections requiring hospitalization and antimicrobial susceptibilities of causative microorganisms.

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , Volume: 50 Issue: 6 2017 Dec

Authors *Chiu CC,Lin TC,Wu RX,Yang YS,Hsiao PJ,Lee Y,Lin JC,Chang FY*

Prospective randomized controlled study on the effects of Saccharomyces boulardii CNCM I-745 and amoxicillin-clavulanate or the combination on the gut microbiota of healthy volunteers.

Gut microbes , Volume: 8 Issue: 1 2017 Jan 2

Authors *Kabani TA,Pallav K,Dowd SE,Villafuerte-Galvez J,Vanga RR,Castillo NE,Hansen J,Dennis M,Leffler DA,Kelly CP*

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*

Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.

Poultry science , Volume: 96 Issue: 5 2017 May 1

Authors *Guo JR,Dong XF,Liu S,Tong JM*

Insights from 100 Years of Research with Probiotic E. Coli

European Journal of Microbiology & Immunology , Volume: 6 Issue: 3 2016 Sep 29

Authors *Wassenaar TM*

Short- and long-term effects of oral vancomycin on the human intestinal microbiota.

The Journal of antimicrobial chemotherapy , Volume: 72 Issue: 1 2017 Jan

Authors *Isaac S,Scher JU,Djukovic A,Jiménez N,Littman DR,Abramson SB,Pamer EG,Ubeda C*

Draft Genome Sequence of Klebsiella pneumoniae Strain AS Isolated from Zhejiang Provincial Hospital of TCM, China.

Genome announcements , Volume: 4 Issue: 5 2016 Sep 22

Authors *Yang XJ,Wang S,Cao JM,Hou JH*

Effects of exposure to bisphenol A and ethinyl estradiol on the gut microbiota of parents and their offspring in a rodent model.

Gut microbes , Volume: 7 Issue: 6 2016 Nov

Authors *Javurek AB,Spollen WG,Johnson SA,Bivens NJ,Bromert KH,Givan SA,Rosenfeld CS*

In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.

Journal of intercultural ethnopharmacology , Volume: 5 Issue: 3 2016 Jun-Aug

Authors *Sakkas H,Gousia P,Economou V,Sakkas V,Petsios S,Papadopoulou C*

Physical and antimicrobial properties of cinnamon bark oil co-nanoemulsified by lauric arginate and Tween 80.

International journal of food microbiology , Volume: 233 2016 Sep 16

Authors *Hilbig J,Ma Q,Davidson PM,Weiss J,Zhong Q*

Prevalence and Antimicrobial Resistance Patterns of Diarrheagenic Escherichia coli in Shanghai, China.

The Pediatric infectious disease journal , Volume: 35 Issue: 8 2016 Aug

Authors *Huang Z,Pan H,Zhang P,Cao X,Ju W,Wang C,Zhang J,Meng J,Yuan Z,Xu X*

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*

Dietary High Fluorine Alters Intestinal Microbiota in Broiler Chickens.

Biological trace element research , Volume: 173 Issue: 2 2016 Oct

Authors *Luo Q,Cui H,Peng X,Fang J,Zuo Z,Deng J,Liu J,Deng Y*

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*

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.

Food & function , Volume: 7 Issue: 3 2016 Mar

Authors *Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY*

High Molecular Weight Barley β -Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.**Frontiers in microbiology** , Volume: 7 2016

Authors Wang Y,Ames NP,Tun HM,Tosh SM,Jones PJ,Khafipour E

Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.**Journal of dairy science** , Volume: 99 Issue: 3 2016 Mar

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

Antibacterial Activity of Probiotic Lactobacillus plantarum HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.**Probiotics and antimicrobial proteins** , Volume: 5 Issue: 2 2013 Jun

Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K

Probiotic Characteristics of Lactobacillus plantarum FH185 Isolated from Human Feces.**Korean journal for food science of animal resources** , Volume: 35 Issue: 5 2015

Authors Park SY,Lim SD

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,Yatsunenko T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J

Bacteriocin-producing strains of Lactobacillus plantarum inhibit adhesion of Staphylococcus aureus to extracellular matrix: quantitative insight and implications in antibacterial therapy.**Journal of medical microbiology** , Volume: 64 Issue: 12 2015 Dec

Authors Mukherjee S,Ramesh A

Antibacterial activity of cinnamaldehyde and clove oil: effect on selected foodborne pathogens in model food systems and watermelon juice.**Journal of food science and technology** , Volume: 52 Issue: 9 2015 Sep

Authors Siddiqua S,Anusha BA,Ashwini LS,Negj PS

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

In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.**Journal of dairy science** , Volume: 98 Issue: 9 2015 Sep

Authors Huang R,Tao X,Wan C,Li S,Xu H,Xu F,Shah NP,Wei H

Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.**Recent patents on food, nutrition & agriculture** , Volume: 7 Issue: 1 2015

Authors Ozogul Y,Kuley E,Ucar Y,Ozogul F

Review article: dietary fibre-microbiota interactions.**Alimentary pharmacology & therapeutics** , Volume: 42 Issue: 2 2015 Jul

Authors Simpson HL,Campbell BJ

Antimicrobial activity and chemical composition of the essential oils of Portuguese Foeniculum vulgare fruits.**Natural product communications** , Volume: 10 Issue: 4 2015 Apr

Authors Mota AS,Martins MR,Arantes S,Lopes VR,Bettencourt E,Pombal S,Gomes AC,Silva LA

Different Dynamic Patterns of β -Lactams, Quinolones, Glycopeptides and Macrolides on Mouse Gut Microbial Diversity.**PloS one** , Volume: 10 Issue: 5 2015

Authors Yin J,M P,Wang S,Liao SX,Peng X,He Y,Chen YR,Shen HF,Su J,Chen Y,Jiang YX,Zhang GX,Zhou HW

Monosodium L-Glutamate and Dietary Fat Differently Modify the Composition of the Intestinal Microbiota in Growing Pigs.**Obesity facts** , Volume: 8 Issue: 2 2015

Authors Feng ZM,Li TJ,Wu L,Xiao DF,Blachier F,Yin YL

Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.**International journal of food microbiology** , Volume: 202 2015 Jun 2

Authors Akdemir Evrendilek G

Ascorbic acid-dependent gene expression in Streptococcus pneumoniae and the activator function of the transcriptional regulator UlaR2.**Frontiers in microbiology** , Volume: 6 2015

Authors Afzal M,Shafeeq S,Kuipers OP

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.**Probiotics and antimicrobial proteins** , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing

Beneficial microbes , Volume: 6 Issue: 4 2015

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

Phenotypic and Molecular Characterization of Extended-Spectrum β -Lactamase Produced by Escherichia coli, and Klebsiella pneumoniae Isolates in an Educational Hospital.

Jundishapur journal of microbiology , Volume: 7 Issue: 10 2014 Oct

Authors Gholipour A,Soleimani N,Shokri D,Mobasherizadeh S,Kardi M,Baradaran A

[Clinical benefits after soluble dietary fiber supplementation: a randomized clinical trial in adults with slow-transit constipation].

Zhonghua yi xue za zhi , Volume: 94 Issue: 48 2014 Dec 30

Authors Xu L,Yu W,Jiang J,Li N

[Characterization and determination of antibiotic resistance profiles of a single clone Acinetobacter baumannii strains isolated from blood cultures].

Mikrobiyoloji bulteni , Volume: 48 Issue: 4 2014 Oct

Authors Karagöz A,Baran I,Aksu N,Acar S,Durmaz R

[Risk factors and antibiotic use in methicillin-resistant Staphylococcus aureus bacteremia in hospitalized patients at Hacettepe University Adult and Oncology Hospitals (2004-2011) and antimicrobial susceptibilities of the isolates: a nested case-control study].

Mikrobiyoloji bulteni , Volume: 48 Issue: 4 2014 Oct

Authors Atmaca O,Zarakolu P,Karahan C,Cakir B,Unal S

[The antibacterial activity of cinnamon oil on the selected gram-positive and gram-negative bacteria].

Medycyna doświadczalna i mikrobiologia , Volume: 66 Issue: 2 2014

Authors Urbaniak A,Głowacka A,Kowalczyk E,Lysakowska M,Sienkiewicz M

In vitro fermentation of lactulose by human gut bacteria.

Journal of agricultural and food chemistry , Volume: 62 Issue: 45 2014 Nov 12

Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W

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,Bomhof MR,Su J,Reimer RA,Vogel HJ,Hittel DS,Shearer J

Smoking cessation alters intestinal microbiota: insights from quantitative investigations on human fecal samples using FISH.

Inflammatory bowel diseases , Volume: 20 Issue: 9 2014 Sep

Authors Biedermann L,Brüllisauer K,Zeitz J,Frei P,Scharl M,Vavricka SR,Fried M,Loessner MJ,Rogler G,Schuppler M

Fermentable non-starch polysaccharides increases the abundance of Bacteroides-Prevotella-Porphyrromonas in ileal microbial community of growing pigs.

Animal : an international journal of animal bioscience , Volume: 8 Issue: 11 2014 Nov

Authors Ivarsson E,Roos S,Liu HY,Lindberg JE

Changes in the treatment of Enterococcus faecalis infective endocarditis in Spain in the last 15 years: from ampicillin plus gentamicin to ampicillin plus ceftriaxone.

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 20 Issue: 12 2014 Dec

Authors Pericas JM,Cervera C,del Rio A,Moreno A,Garcia de la Maria C,Almela M,Falces C,Ninot S,Castañeda X,Armero Y,Soy D,Gatell JM,Marco F,Mestres CA,Miro JM,Hospital Clinic Endocarditis Study Group.

Effect of oral consumption of probiotic Lactobacillus planatarum P-8 on fecal microbiota, SigA, SCFAs, and TBAs of adults of different ages.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 30 Issue: 7-8 2014 Jul-Aug

Authors Wang L,Zhang J,Guo Z,Kwok L,Ma C,Zhang W,Lv Q,Huang W,Zhang H

Bacteriologic profile and antibiogram of blood culture isolates from a children`s hospital in Kabul.

Journal of the College of Physicians and Surgeons–Pakistan : JCPSP , Volume: 24 Issue: 6 2014 Jun

Authors Tariq TM

Impact of diet and individual variation on intestinal microbiota composition and fermentation products in obese men

The ISME Journal , Volume: 8 Issue: 11 2014 Apr 24

Authors Salonen A,Lahti L,Salojärvi J,Holtrup G,Korpela K,Duncan SH,Date P,Farquharson F,Johnstone AM,Lobley GE,Louis P,Flint HJ,de Vos WM

Evaluation of antibacterial activity of crude protein extracts from seeds of six different medical plants against standard bacterial strains.

Saudi journal of biological sciences , Volume: 21 Issue: 2 2014 Apr

Authors *Al Akeel R, Al-Sheikh Y, Mateen A, Syed R, Janardhan K, Gupta VC*

Multi-drug resistant gram-negative enteric bacteria isolated from flies at Chengdu Airport, China.

The Southeast Asian journal of tropical medicine and public health , Volume: 44 Issue: 6 2013 Nov

Authors *Liu Y, Yang Y, Zhao F, Fan X, Zhong W, Qiao D, Cao Y*

In vitro activity of tigecycline and comparators against Gram-positive and Gram-negative isolates collected from the Middle East and Africa between 2004 and 2011.

International journal of antimicrobial agents , Volume: 43 Issue: 2 2014 Feb

Authors *Kanj SS, Whitelaw A, Dowzicky MJ*

Role of probiotics in the prevention and treatment of methicillin-resistant Staphylococcus aureus infections.

International journal of antimicrobial agents , Volume: 42 Issue: 6 2013 Dec

Authors *Sikorska H, Smoragiewicz W*

Effect of prebiotic carbohydrates on growth, bile survival and cholesterol uptake abilities of dairy-related bacteria.

Journal of the science of food and agriculture , Volume: 94 Issue: 6 2014 Apr

Authors *Ziar H, Gérard P, Riazi A*

Probiotic features of two oral Lactobacillus isolates.

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

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

Antimicrobial Resistance Pattern in Enterococcus faecalis Strains Isolated From Expressed Prostatic Secretions of Patients With Chronic Bacterial Prostatitis.

Korean journal of urology , Volume: 54 Issue: 7 2013 Jul

Authors *Seo Y, Lee G*

Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.

FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan

Authors *Dostal A, Fehlbaum S, Chassard C, Zimmermann MB, Lacroix C*

Green-lipped mussel extract (Perna canaliculus) and glucosamine sulphate in patients with knee osteoarthritis: therapeutic efficacy and effects on gastrointestinal microbiota profiles.

Inflammopharmacology , Volume: 21 Issue: 1 2013 Feb

Authors *Coulson S, Butt H, Vecchio P, Gramotnev H, Vitetta L*

Does the piperacillin minimum inhibitory concentration for Pseudomonas aeruginosa influence clinical outcomes of children with pseudomonal bacteremia?

Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 55 Issue: 6 2012 Sep

Authors *Tamma PD, Turnbull AE, Milstone AM, Hsu AJ, Carroll KC, Cosgrove SE*

High-level dietary fibre up-regulates colonic fermentation and relative abundance of saccharolytic bacteria within the human faecal microbiota in vitro.

European journal of nutrition , Volume: 51 Issue: 6 2012 Sep

Authors *Shen Q, Zhao L, Tuohy KM*

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*

The antimicrobial resistance pattern of cultured human methanogens reflects the unique phylogenetic position of archaea.

The Journal of antimicrobial chemotherapy , Volume: 66 Issue: 9 2011 Sep

Authors *Dridi B, Fardeau ML, Ollivier B, Raoult D, Drancourt M*

Sitafloxacin: in bacterial infections.

Drugs , Volume: 71 Issue: 6 2011 Apr 16

Authors *Keating GM*

Antibacterial activity in spices and local medicinal plants against clinical isolates of Karachi, Pakistan.

Pharmaceutical biology , Volume: 49 Issue: 8 2011 Aug

Authors *Ali NH, Faizi S, Kazmi SU*

Antimicrobial activity of plant essential oils against bacterial and fungal species involved in food poisoning and/or food decay.

Roumanian archives of microbiology and immunology , Volume: 69 Issue: 4 2010 Oct-Dec

Authors *Lixandru BE, Dracea NO, Dragomirescu CC, Dragulescu EC, Coldea IL, Anton L, Dobre E, Rovinaru C, Codita I*

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

Poultry science , Volume: 90 Issue: 3 2011 Mar

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

Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.

Molecules (Basel, Switzerland) , Volume: 15 Issue: 11 2010 Oct 27

Authors Sokovic M,Glamoclija J,Marin PD,Brkic D,van Griensven LJ

A new macrocyclic antibiotic, fidaxomicin (OPT-80), causes less alteration to the bowel microbiota of Clostridium difficile-infected patients than does vancomycin.

Microbiology (Reading, England) , Volume: 156 Issue: Pt 11 2010 Nov

Authors Tannock GW,Munro K,Taylor C,Lawley B,Young W,Byrne B,Emery J,Louie T

Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.

Food microbiology , Volume: 27 Issue: 7 2010 Oct

Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P

Nonstarch polysaccharides modulate bacterial microbiota, pathways for butyrate production, and abundance of pathogenic Escherichia coli in the pig gastrointestinal tract.

Applied and environmental microbiology , Volume: 76 Issue: 11 2010 Jun

Authors Metzler-Zebeli BU,Hooda S,Pieper R,Zijlstra RT,van Kessel AG,Mosenthin R,Gänzle MG

Probiotic treatment of irritable bowel syndrome in children.

German medical science : GMS e-journal , Volume: 8 2010 Mar 2

Authors Martens U,Enck P,Ziesenis E

In vitro antimicrobial activity and chemical composition of the essential oil of Foeniculum vulgare Mill.

Revista medico-chirurgicala a Societatii de Medici si Naturalisti din Iasi , Volume: 112 Issue: 3 2008 Jul-Sep

Authors Aprotosoae AC,Hancianu M,Poata A,Tuchilus C,Spac A,Cioana O,Gille E,Stanescu U

Ceftazidime, a pseudomonas-active cephalosporin: in-vitro antimicrobial activity evaluation including recommendations for disc diffusion susceptibility tests.

The Journal of antimicrobial chemotherapy , Volume: 8 Suppl B 1981 Sep

Authors Jones RN,Barry AL,Thornsberry C,Gerlach EH,Fuchs PC,Gavan TL,Sommers HM

Antibiotic-induced perturbations of the intestinal microbiota alter host susceptibility to enteric infection.

Infection and immunity , Volume: 76 Issue: 10 2008 Oct

Authors Sekirov I,Tam NM,Jogova M,Robertson ML,Li Y,Lupp C,Finlay BB

Effect of thymol on microbial diversity in the porcine jejunum.

International journal of food microbiology , Volume: 126 Issue: 1-2 2008 Aug 15

Authors Janczyk P,Trevisi P,Souffrant WB,Bosi P

The antimicrobial efficacy of plant essential oil combinations and interactions with food ingredients.

International journal of food microbiology , Volume: 124 Issue: 1 2008 May 10

Authors Gutierrez J,Barry-Ryan C,Bourke P

[Surveillance of antimicrobial resistance among nosocomial gram-negative pathogens from 15 teaching hospitals in China in 2005].

Zhonghua yi xue za zhi , Volume: 87 Issue: 39 2007 Oct 23

Authors Yang QW,Xu YC,Chen MJ,Hu YJ,Ni YX,Sun JY,Yu YS,Kong HS,He L,Wu WY,Ye HF,Yang YM,Zhu LN,Guo SH,JI P,Zhu ZH,Ren JK,Zhang LX,Sun ZY,Zhu XH,Tong MQ,Zhao WS,Mei YN,Liu Y,Zhang ZJ,Duan Q,Li D,Liu PP,Wang J,Han LX,Wang H,Xie XL

L-fucose stimulates utilization of D-ribose by Escherichia coli MG1655 DeltafucAO and E. coli Nissle 1917 DeltafucAO mutants in the mouse intestine and in M9 minimal medium.

Infection and immunity , Volume: 75 Issue: 11 2007 Nov

Authors Autieri SM,Lins JJ,Leatham MP,Laux DC,Conway T,Cohen PS

Antimicrobial activity against gram negative bacilli from Yaounde Central Hospital, Cameroon.

African health sciences , Volume: 6 Issue: 4 2006 Dec

Authors Gangoue-Pieboji J,Koulla-Shiro S,Ngassam P,Adiogo D,Ndumbe P

Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.

Journal of agricultural and food chemistry , Volume: 55 Issue: 11 2007 May 30

Authors López P,Sanchez C,Batlle R,Nerín C

Bacteremia in children at a regional hospital in Trinidad.

International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases , Volume: 11 Issue: 2 2007 Mar

Authors Orrett FA,Changoor E

Antimicrobial and antiplasmid activities of essential oils.

Fitoterapia , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z,Molnar J,Hohmann J

Emerging resistance among bacterial pathogens in the intensive care unit—a European and North American Surveillance

study (2000-2002).

Annals of clinical microbiology and antimicrobials , Volume: 3 2004 Jul 29

Authors Jones ME,Draghi DC,Thornsberry C,Karlowsky JA,Sahm DF,Wenzel RP

Antimicrobial susceptibility of the pathogens of bacteraemia in the UK and Ireland 2001-2002: the BSAC Bacteraemia Resistance Surveillance Programme.

The Journal of antimicrobial chemotherapy , Volume: 53 Issue: 6 2004 Jun

Authors Reynolds R,Potz N,Colman M,Williams A,Livermore D,MacGowan A,BSAC Extended Working Party on Bacteraemia Resistance Surveillance.

Argentinean collaborative multicenter study on the in vitro comparative activity of piperacillin-tazobactam against selected bacterial isolates recovered from hospitalized patients.

Diagnostic microbiology and infectious disease , Volume: 47 Issue: 3 2003 Nov

Authors Casellas JM,Tomé G,Bantar C,Bertolini P,Blázquez N,Borda N,Couto E,Cudmani N,Guerrera J,Juárez MJ,López T,Littvik A,Méndez E,Notario R,Ponce G,Quinteros M,Salamone F,Sparo M,Sutich E,Vaylet S,Wolff L

Lactose utilization in Klebsiella pneumoniae: the slow utilization of lactose by resting cells of lactose fermenting strains.

Journal of bacteriology , Volume: 70 Issue: 1 1955 Jul

Authors CABELLI VJ

The significance of lactose fermentation and its relationship to resistance in Klebsiella pneumoniae.

Journal of bacteriology , Volume: 66 Issue: 4 1953 Oct

Authors CABELLI VJ,PICKETT MJ

Trends in antimicrobial susceptibilities among Enterobacteriaceae isolated from hospitalized patients in the United States from 1998 to 2001.

Antimicrobial agents and chemotherapy , Volume: 47 Issue: 5 2003 May

Authors Karlowsky JA,Jones ME,Thornsberry C,Friedland IR,Sahm DF

Antimicrobial resistance in Cairo, Egypt 1999-2000: a survey of five hospitals.

The Journal of antimicrobial chemotherapy , Volume: 51 Issue: 3 2003 Mar

Authors El Kholy A,Baseem H,Hall GS,Procop GW,Longworth DL

Potency and antimicrobial spectrum update for piperacillin/tazobactam (2000): emphasis on its activity against resistant organism populations and generally untested species causing community-acquired respiratory tract infections.

Diagnostic microbiology and infectious disease , Volume: 43 Issue: 1 2002 May

Authors Johnson DM,Biedenbach DJ,Jones RN

High frequency of antibiotic resistance among Gram-negative isolates in intensive care units at 10 Swedish hospitals.

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 3 Issue: 2 1997 Apr

Authors Hanberger H,Nilsson LE,Swedish Study Group .

Evaluation of the in vitro activity of 9 antimicrobials against bacterial strains isolated from patients in intensive care units in brazil: MYSTIC Antimicrobial Surveillance Program.

The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 4 Issue: 5 2000 Oct

Authors Mendes C,Hsiung A,Kiffer C,Oplustil C,Sinto S,Mimica I,Zoccoli C,Mystic Study Group.

[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,Roubay Y,Teyssou R

Antimicrobial activity of essential oils and other plant extracts.

Journal of applied microbiology , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA,Carson CF,Riley TV

[Relationship between the sensitivity of Pseudomonas aeruginosa and the post-antibiotic effect of sparfloxacin and ciprofloxacin].

Revista espanola de quimioterapia : publicacion oficial de la Sociedad Espanola de Quimioterapia , Volume: 11 Issue: 4 1998 Dec

Authors Pastor A,Cantón E,Pemán J

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

[Susceptibilities of bacteria isolated from patients with lower respiratory infectious diseases to antibiotics (1996)].

The Japanese journal of antibiotics , Volume: 51 Issue: 7 1998 Jul

Authors Ikemoto H,Watanabe K,Mori T,Igari J,Oguri T,Shimizu Y,Terai T,Inoue H,Nakadate T,Ito C,Yoshida T,Ohno I,Tanno Y,Arakawa M,Igarashi K,Okada M,Ozaki K,Aoki N,Kitamura N,Sekine O,Suzuki Y,Nakata K,Nakatani T,Inagawa H,Kusano N

Cefuroxime compared to amoxicillin-clavulanic acid in the treatment of community-acquired pneumonia.

Singapore medical journal , Volume: 37 Issue: 3 1996 Jun

Authors Oh HM,Ng AW,Lee SK

In vitro evaluation of activities of nitazoxanide and tizoxanide against anaerobes and aerobic organisms.

Antimicrobial agents and chemotherapy , Volume: 40 Issue: 10 1996 Oct

Authors Dubreuil L,Houcke I,Mouton Y,Rossignol JF

The efficacy and safety of piperacillin/tazobactam in the therapy of bacteraemia.

The Journal of antimicrobial chemotherapy , Volume: 31 Suppl A 1993 Jan

Authors Wise R

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

Influence of dietary lactose on the gut flora of chicks.

British poultry science , Volume: 23 Issue: 4 1982 Jul

Authors Morishita Y,Fuller R,Coates ME

The fermentation of lactulose by colonic bacteria.

Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS,Bramley PM,Menzies IS

D-ribose metabolism in Escherichia coli K-12: genetics, regulation, and transport.

Journal of bacteriology , Volume: 158 Issue: 2 1984 May

Authors Lopilato JE,Garwin JL,Emr SD,Silhavy TJ,Beckwith JR

Comparative activities of the oxa-beta-lactam LY127935, cefotaxime, cefoperazone, cefamandole, and ticarcillin against multiply resistant gram-negative bacilli.

Antimicrobial agents and chemotherapy , Volume: 17 Issue: 2 1980 Feb

Authors Hall WH,Opfer BJ,Gerding DN

[In vitro sensitivity at 18 antibiotics of 192 strains of Pseudomonas aeruginosa isolated at Garches Hospital].

Pathologie-biologie , Volume: 35 Issue: 5 1987 May

Authors Ronco E,Vacheron F,Orabona A

R-plasmid linked lactose fermentation in Klebsiella pneumoniae.

The Indian journal of medical research , Volume: 70 1979 Nov

Authors Walia SK,Chugh TD,Sharma KB,Bhat MB

Bacterial endocarditis on a prosthetic valve. Oral treatment with amoxicillin.

Chest , Volume: 74 Issue: 2 1978 Aug

Authors Lidji M,Rubinstein E,Samra H

Infectious Disease and Antibimicrobial Agents

antimicrobe: Infectious Disease and Antibimicrobial 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 McLaughlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

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Abdominal Aortic Aneurysm

Acne

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
Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
cdk15 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
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
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
Halitosis
Hashimoto's thyroiditis
Heart Failure
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
Histamine Issues
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
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
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
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
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