

## Microbiome Information for: Atrial fibrillation

### For non-prescribing Medical professionals Review

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

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

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

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

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

In the USA

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

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

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

### Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: [Research@MicrobiomePrescription.com](mailto:Research@MicrobiomePrescription.com)

[Our Facebook Discussion Page](#)

## Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Atrial fibrillation

*Nota Bene:* 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
Alcaligenaceae	family	High	506	Hungatella	genus	Low	1649459
Barnesiellaceae	family	Low	2005519	Klebsiella	genus	High	570
Acinetobacter	genus	High	469	Kluyvera	genus	High	579
Aeromonas	genus	High	642	Lachnobacterium	genus	Low	140625
Agathobacter	genus	High	1766253	Lachnoclostridium	genus	High	1506553
Bilophila	genus	Low	35832	Lachnospira	genus	High	28050
Blautia	genus	High	572511	Lactobacillus	genus	High	1578
Brevundimonas	genus	Low	41275	Lactococcus	genus	High	1357
Butyricoccus	genus	Low	580596	Mitsuokella	genus	High	52225
Butyrivibrio	genus	Low	830	Oscillibacter	genus	Low	459786
Citrobacter	genus	Low	544	Parabacteroides	genus	High	375288
Coprococcus	genus	High	33042	Paraprevotella	genus	Low	577309
Desulfovibrio	genus	High	872	Prevotella	genus	Low	838
Dialister	genus	High	39948	Ruminococcus	genus	High	1263
Dorea	genus	High	189330	Sanguibacteroides	genus	Low	1635148
Eisenbergiella	genus	High	1432051	Sellimonas	genus	High	1769710
Enorma	genus	High	1472762	Shigella	genus	Low	620
Enterobacter	genus	High	547	Streptococcus	genus	High	1301
Enterococcus	genus	High	1350	Turicibacter	genus	Low	191303
Escherichia	genus	Low	561	Tyzzereella	genus	Low	1506577
Faecalibacterium	genus	Low	216851	Veillonella	genus	High	29465
Haemophilus	genus	High	724	Burkholderiales	order	High	80840
Holdemanella	genus	Low	1573535	Eubacterium ramulus	species	High	39490
Holdemania	genus	High	61170	Phocaeicola coprophilus	species	Low	387090
				Segatella copri	species	Low	165179

## 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.

**bacillus subtilis (probiotics)** 10 BCFU/day

**barley** 60 gram/day

**bifidobacterium longum (probiotics)** 10 BCFU/day

**fructo-oligosaccharides (prebiotic)** 15 gram/day

**inulin (prebiotic)** 32 gram/day

**lactobacillus paracasei (probiotics)** 40 BCFU/day

**lactobacillus plantarum (probiotics)** 60 BCFU/day

**lactulose**

**omega-3 fatty acids** 4 gram/day

**quebracho**

**raffinose(sugar beet)**

**resistant starch**

**saccharomyces boulardii (probiotics)** 6 BCFU/day

**walnuts** 75 gram/day

**wheat bran**

**whey** 60 gram/day

## Retail Probiotics

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

garden of life / primal defense  
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion  
 Physician Choice / 60 Billion Probiotics  
 SuperSmart / Full Spectrum Probiotic Formula  
 quantum wellness / restora flora  
 Ombre / Healthy Gut  
 OMNI-BIOTIC® / 10 AAD  
 Wakunaga / Max Probiotic  
 nature's way (au) / restore probiotic bowel & colon health 30s  
 renew life men's probiotic - ultimate  
 douglas laboratories / multi probiotic 40 billion  
 renew life / ultimate flora  
 up4 / ultra  
 Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains  
 bioglan bio (au) / happy probiotic 100  
 fürstenmed / lacto-bifido  
 newrhythm / probiotics 20 stains  
 Lake Avenue Nutrition / Probiotics 10 Strain Blend  
 HLH BIOPHARMA(DE) / LACTOBACT® PREMIUM  
 naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion  
 spain (es) / vivomixx  
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)  
 organic 3 / primal gut  
 Garden of Life / Dr. Formulated Once Daily Women's  
 hyperbiotics / pro-15  
 solaray / microbiome probiotic colon formula  
 lifted naturals / mood boosting probiotic  
 Physis / Advance Probiotics  
 blackmore (au) / probiotics+ daily health  
 Dr. Mercola / Complete Probiotics  
 bioglan bio (au) / happy probiotic 50  
 seed / male version  
 MegaFood / MegaFlora  
 Ombre / Metabolic Booster  
 Advanced Bio-Cultures / Advance Multi Strain Probiotics  
 Smidge / Sensitive Probiotic  
 Krauterhaus / Lactopro  
 udo's choice / super 8 gold  
 microbiome labs / restorflora  
 blackmores (au) / probiotics + adults daily (90 capsules)  
 Swiss BioEnergetics / Full Spectrum Probiotic Defence  
 Immune Defense Daily Chewable Probiotic  
 Winlove Probiotics / Ecologic®825  
 ASEA VIA / BIOME  
 Wholesome Wellness / Raw Probiotic  
 ProbiMax® Daily DF  
 jarow formulas / bifidus balance® + fos  
 elixa / probiotic  
 bioray / cytoflora  
 SuperSmart / Lactoxira  
 up4 / adult  
 Ombre / Mood Enhancer  
 ferring / vsl#3  
 jamieson (can) / probiotic 10 bcfu  
 visbiome  
 fairvital / microflora basic  
 nature's bounty / probioti 10  
 young living / life 9  
 UltraFlora® Immune Booster  
 Ombre / Heart Health  
 jarow formulas / jarro-dophilus® ultra  
 seed / female version  
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu

Bromatech (IT) / Serobiome  
 Probiotic 10 Billion Active Cells Daily Maintenance  
 Seeking Health / Probiota HistaminX  
 bravo europe / starter and complex  
 optibac / for every day  
 organic 3 / gutpro  
 jarow formula / ideal bowel support® Ip299v®  
 HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS  
 Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains  
 7 AM Ultra Probiotics  
 Northwest Natural Products / PBS  
 wakamoto (jp) / wakamoto pharmaceutical intestinal drug  
 custom probiotics / five strain bifidobacteria  
 optibac / saccharomyces boulardii  
 Bromatech (IT) / Bifiselle  
 naturopathica (au) / gastrohealth antacid  
 bravo europe / freeze-dried bravo  
 Wakunaga / Daily Probiotic  
 SuperSmart / Probio Forte  
 goodbelly drink  
 Schiff® Digestive Advantage® Advanced Probiotics Multi-Strain Support  
 Microbiome Labs / ZENBIOME Dual  
 canada (ca) / calmbiotic  
 Jetson (US) / Mood Probiotics  
 Prescript-Assist®/SBO Probiotic  
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis  
 solgar / advanced 40+ acidophilus  
 UltraFlora® Restore  
 Ombre / Endless Energy  
 Align / Align® Chewables  
 Wakunaga / Kyo-Dophilus® Multi 9 Probiotic  
 custom probiotics / d-lactate free probiotics powder  
 jarow formulas / jarro-dophilus eps  
 naturopathica (au) / gastrohealth fibrepro  
 philips / colon health  
 blackmore (au) / probiotics+ eczema relief  
 imagilin / NutriLots Replenish  
 HMF Metabolic  
 blackmores (au) / probiotics+ immune defence  
 CustomProbiotics.com / L. Plantarum Probiotic Powder  
 SuperSmart / Oral Health  
 CVSHealth / Daily Probiotic  
 spain (es) / ultralevura  
 PoolPharma (IT) / ProbioTKMIO  
 Wakunaga / 50+  
 custom probiotics / six strain probiotic powder  
 ImmuneBiotech Medical Sweden AB / GutMagnific®  
 organic 3 / yeastbiotic  
 claire labs / ther-biotic factor 4  
 Symprove™  
 InnovixLabs / Mood Probiotic  
 danactive drink  
 PharmExtracta (IT) / Gliadines buccal stickpacks  
 ISCON Elegance/ Ochek Capsule 10  
 Bromatech (IT) / Adomelle  
 up4 /women's  
 optibac / bifidobacteria & fibre  
 Sanogermina / AB-Kolicare  
 Bromatech / ENTERELLE PLUS  
 SuperSmart / Derma Relief  
 Bioflora(MX) / Woman  
 Energybalance / ColoBiotica 28 Colon Support  
 jarow formulas / jarro-dophilus mood  
 SuperSmart / Saccharomyces Boulardii  
 spain (es) / I3.1  
 Thryve LPCasei Th1, LPCasei Th2,LFerm IBF1, Lacidoph

Bromatech (IT) / Lautoselle  
 Resbiotic / resB® Lung Support  
 florastor / florastor  
 amy meyers / primal earth probiotic  
 PrecisionBiotics / Zenflora  
 PharmExtracta / Bowell  
 Jetson / Gut Prep  
 CustomProbiotics.com / L. Paracasei Probiotic Powder  
 Purica Probiotic Intensive GI  
 align / align  
 Ombre / Ultimate Immunity  
 Bromatech (IT) / Enterelle  
 optibac / for your cholesterol  
 SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)  
 Align® Extra Strength  
 Floradapt Gut Comfort  
 SuperSmart / Bacillus Subtilis  
 HLH BIOPHARMA(DE) / LACTOBACT® AAD  
 naturopathica (au) / gastrohealth probiotic adults 50+  
 Nature's Lab Intensive GI  
 Schwabe Pharma Italia / MegaStress  
 HLH BIOPHARMA(DE) / LACTOBACT® METABOLIC  
 jarro formula / jarro-dophilus original  
 aor / probiotic-3  
 solgar / advanced multi-billion dophilus  
 nature's way (au) / restore probiotic daily health 90s  
 optibac / for daily immunity  
 Bromatech(IT) / FEMELLE  
 Bromatech (IT) / Rotanelle plus  
 Maple Life Science™ / Bifidobacterium longum  
 Metabolics / Bifidobacterium Longum Powder  
 zint nutrition / probiotic collagen +  
 SuperSmart / Candalb  
 custom probiotics / four strain lactobacilli  
 Bromatech (IT) / Aflugenex  
 Metabolics / Lactobacillus Plantarum Powder  
 Nature's Lab Cardio  
 Jetson (US) / Immunity Probiotics  
 Seeking Health / Probiota Bifidobacterium  
 INVIVO THERAPEUTICS / Bio.Me IB +  
 OMNI-BIOTIC® / TRAVEL  
 nature's way (au) / restore probiotic 30 billion 30s  
 spain (es) / axiboulardi  
 Wakunaga / Pro+ Synbiotic  
 microbiome labs / hu58  
 Invivo / Bio.Me Femme UT  
 blackmore (au) / probiotics+ bowel support  
 Schwabe Pharma Italia / AxiBoulardi  
 Probiotic Sticks  
 NaturalPharma / Profit Probiotics  
 vinco / probiotic eight 65  
 NOW FOODS / Clinical GI Probiotic  
 Purica Probiotic Cardio  
 PrecisionBiotics / Immune  
 Floradapt Cardio  
 naturopathica (au) / gastrohealth probiotic daily care  
 UltraFlora® Intensive Care  
 CustomProbiotics.com / B. Longum Probiotic Powder  
 HLH BIOPHARMA(DE) / LACTOBACT® LDL-CONTROL  
 powerlabs (au) / ultra blend  
 Genesis Bifidobacterium Complex BB Probiotic  
 cytoplant(uk) / dentavital bifidophilus  
 Maple Life Science™ / Lactobacillus plantarum

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.

bacillus coagulans (probiotics)	quercetin
bacillus laterosporus (probiotic)	quercetin, resveratrol
cinnamon (oil, spice)	saccharin
coriander oil	smoking
foeniculum vulgare, fennel	stevia
ginger	Sumac (Rhus coriaria)
glycerol monolaurate (Monolaurin)	syzygium aromaticum (clove)
L-glutamine	thyme (thymol, thyme oil)
naringenin (grapefruit) (Flavonoid)	trachyspermum ammi, Ajwain
neem	triphala
peppermint (spice, oil)	vegetarians
pomegranate	xylaria hypoxylon (fungi)

## Sample of Literature Used

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

[Roles of gut microbiota in atrial fibrillation: insights from Mendelian randomization analysis and genetic data from over 430,000 cohort study participants.](#)

**Cardiovascular diabetology** , Volume: 22 Issue: 1 2023 Nov 8

Authors Dai H,Hou T,Wang Q,Hou Y,Zhu Z,Zhu Y,Zhao Z,Li M,Lin H,Wang S,Zheng R,Xu Y,Lu J,Wang T,Ning G,Wang W,Zheng J,Bi Y,Xu M

[The correlation between gut microbiome and atrial fibrillation: pathophysiology and therapeutic perspectives.](#)

**Military Medical Research** , Volume: 10 Issue: 1 2023 Nov 7

Authors Li N,Wang L,Li L,Yang MZ,Wang QX,Bai XW,Gao F,Yuan YQ,Yu ZJ,Ren ZG

[Gut Microbiota and Atrial Fibrillation: Pathogenesis, Mechanisms and Therapies.](#)

**Arrhythmia & electrophysiology review** , Volume: 12 2023

Authors Al-Kaisey AM,Figgett W,Hawson J,Mackay F,Joseph SA,Kalman JM

[Gut microbiome and atrial fibrillation-results from a large population-based study.](#)

**EBioMedicine** , Volume: 91 2023 May

Authors Palmu J,Börschel CS,Ortega-Alonso A,Markó L,Inouye M,Jousilahti P,Salido RA,Sanders K,Brennan C,Humphrey GC,Sanders JG,Gutmann F,Linz D,Salomaa V,Havulinna AS,Forslund SK,Knight R,Lahti L,Niiranen T,Schnabel RB

[Effect of Lactobacillus plantarum BFS1243 on a female frailty model induced by fecal microbiota transplantation in germ-free mice.](#)

**Food & function** , 2024 Mar 22

Authors Dong S,Zeng Q,He W,Cheng W,Zhang L,Zhong R,He W,Fang X,Wei H

[Glutamine attenuates bisphenol A-induced intestinal inflammation by regulating gut microbiota and TLR4-p38/MAPK-NF- \$\kappa\$ B pathway in piglets.](#)

**Ecotoxicology and environmental safety** , Volume: 270 2023 Dec 26

Authors Liu Z,Liu M,Wang H,Qin P,Di Y,Jiang S,Li Y,Huang L,Jiao N,Yang W

[Utilization of diverse oligosaccharides for growth by Bifidobacterium and Lactobacillus species and their in vitro co-cultivation characteristics.](#)

**International microbiology : the official journal of the Spanish Society for Microbiology** , 2023 Nov 9

Authors Dong Y,Han M,Fei T,Liu H,Gai Z

[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

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

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

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

[Positive efficacy of Lactiplantibacillus plantarum MH-301 as a postoperative adjunct to endoscopic sclerotherapy for internal hemorrhoids: a randomized, double-blind, placebo-controlled trial.](#)

**Food & function** , 2023 Sep 1

Authors Zhang K,Liu H,Liu P,Feng Q,Gan L,Yao L,Huang G,Fang Z,Chen T,Fang N

[Immunomodulatory effects of inulin and its intestinal metabolites.](#)

**Frontiers in immunology** , Volume: 14 2023

Authors Sheng W, Ji G,Zhang L

[Supplementation of ginger root extract into broiler chicken diet: effects on growth performance and immunocompetence.](#)

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

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

[Effect of an Enteroprotective Complementary Feed on Faecal Markers of Inflammation and Intestinal Microbiota Composition in Weaning Puppies.](#)

**Veterinary sciences** , Volume: 10 Issue: 7 2023 Jul 3

Authors Meineri G,Cocolin L,Morelli G,Schievano C,Atuahene D,Ferrocino I

[Influences of wheat bran fiber on growth performance, nutrient digestibility, and intestinal epithelium functions in Xiangcun pigs.](#)

**Heliyon** , Volume: 9 Issue: 7 2023 Jul

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

[Cinnamon oil solid self-microemulsion mediates chronic mild stress-induced depression in mice by modulating monoamine neurotransmitters, corticosterone, inflammation cytokines, and intestinal flora.](#)

**Heliyon** , Volume: 9 Issue: 6 2023 Jun

Authors Ma T,Tang B,Wang Y,Shen M,Ping Y,Wang L,Su J

[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

[Effects of a Saccharomyces cerevisiae fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.](#)

**Journal of animal science** , 2022 Dec 27

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

[Effects of a blend of chestnut and quebracho tannins on gut health and performance of broiler chickens.](#)

**PLoS one** , Volume: 17 Issue: 1 2022

Authors Redondo EA,Redondo LM,Bruzzone OA,Diaz-Carrasco JM,Cabral C,Garces VM,Liñeiro MM,Fernandez-Miyakawa ME

[Effects of Dietary Supplementation With Bacillus subtilis, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.](#)



**Frontiers in nutrition** , Volume: 8 2021

Authors Qiu K,Li CL,Wang J,Qi GH,Gao J,Zhang HJ,Wu SG

[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

[Fructooligosaccharides Increase in Plasma Concentration of \(-\)-Epigallocatechin-3-Gallate in Rats.](#)

**Journal of agricultural and food chemistry** , Volume: 69 Issue: 49 2021 Dec 15

Authors Unno T,Araki Y,Inagaki S,Kobayashi M,Ichitani M,Takahara T,Kinugasa H

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

**Frontiers in cell and developmental biology** , Volume: 9 2021

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

[Dietary supplementation of gingerols- and shogaols-enriched ginger root extract attenuate pain-associated behaviors while modulating gut microbiota and metabolites in rats with spinal nerve ligation.](#)

**The Journal of nutritional biochemistry** , 2021 Nov 5

Authors Shen CL,Wang R, Ji G,Elmassry MM,Zabet-Moghaddam M,Vellers H,Hamood AN,Gong X,Mirzaei P,Sang S,Neugebauer V

[Cinnamaldehyde Promotes the Intestinal Barrier Functions and Reshapes Gut Microbiome in Early Weaned Rats.](#)

**Frontiers in nutrition** , Volume: 8 2021

Authors Qi L,Mao H,Lu X,Shi T,Wang J

[Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.](#)

**Journal of animal science** , 2021 Oct 23

Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

[Supplementation with Lactiplantibacillus plantarum IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.](#)

**International journal of molecular sciences** , Volume: 22 Issue: 20 2021 Oct 16

Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C

[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

[Glycerol Monolaurate Ameliorated Intestinal Barrier and Immunity in Broilers by Regulating Intestinal Inflammation, Antioxidant Balance, and Intestinal Microbiota.](#)

**Frontiers in immunology** , Volume: 12 2021

Authors Kong L,Wang Z,Xiao C,Zhu Q,Song Z

[Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.](#)

**Food research international (Ottawa, Ont.)** , Volume: 149 2021 Nov

Authors Marzorati M, Van den Abbeele P,Bubeck S,Bayne T,Krishnan K,Young A

[Bacillus pumilus and Bacillus subtilis Promote Early Maturation of Cecal Microbiota in Broiler Chickens.](#)

**Microorganisms** , Volume: 9 Issue: 9 2021 Sep 7

Authors Bilal M,Achard C,Barbe F,Chevaux E,Ronholm J,Zhao X

[The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.](#)

**Advances in nutrition (Bethesda, Md.)** , 2021 Sep 23

Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD

[Lactocaseibacillus paracasei NK112 mitigates Escherichia coli-induced depression and cognitive impairment in mice by regulating IL-6 expression and gut microbiota.](#)

**Beneficial microbes** , 2021 Sep 13

Authors Yun SW, Kim JK, Han MJ, Kim DH

[The Protection of Lactiplantibacillus plantarum CCFM8661 Against Benzopyrene-Induced Toxicity via Regulation of the Gut Microbiota.](#)

**Frontiers in immunology** , Volume: 12 2021

Authors Yu L,Zhang L,Duan H,Zhao R,Xiao Y,Guo M,Zhao J,Zhang H,Chen W,Tian F

[Regulatory effects of Lactobacillus fermented black barley on intestinal microbiota of NAFLD rats.](#)

**Food research international (Ottawa, Ont.)** , Volume: 147 2021 Sep

Authors Zhu C,Guan Q,Song C,Zhong L,Ding X,Zeng H,Nie P,Song L

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

**Frontiers in nutrition** , Volume: 8 2021

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

[Effects of Bacillus subtilis and Bacillus licheniformis on growth performance, immunity, short chain fatty acid production, antioxidant capacity, and cecal microflora in broilers.](#)

**Poultry science** , Volume: 100 Issue: 9 2021 Jun 26

Authors Xu Y,Yu Y,Shen Y,Li Q,Lan J,Wu Y,Zhang R,Cao G,Yang C

[Effects of Fermented Milk Containing Lactocaseibacillus paracasei Strain Shirota on Constipation in Patients with Depression: A Randomized, Double-Blind, Placebo-Controlled Trial.](#)

**Nutrients** , Volume: 13 Issue: 7 2021 Jun 29

Authors Zhang X,Chen S,Zhang M, Ren F, Ren Y, Li Y, Liu N, Zhang Y, Zhang Q, Wang R

[Orange Juice and Yogurt Carrying Probiotic \*Bacillus coagulans\* GBI-30 6086: Impact of Intake on Wistar Male Rats Health Parameters and Gut Bacterial Diversity.](#)

**Frontiers in microbiology** , Volume: 12 2021

Authors Almada-Érix CN,Almada CN,Cabral L,Barros de Medeiros VP,Roquetto AR,Santos-Junior VA,Fontes M,Gonçalves AESS,Dos Santos A,Lollo PC,Magnani M,Sant`Ana AS

[Lactobacillus paracasei modulates the gut microbiota and improves inflammation in type 2 diabetic rats.](#)

**Food & function** , 2021 Jun 11

Authors Zeng Z,Guo X,Zhang J,Yuan Q,Chen S

[Modulatory Effects of \*Bacillus subtilis\* on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying Hens.](#)

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

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

[Effects of \*Bacillus Coagulans\* on growth performance, antioxidant capacity, immunity function, and gut health in broilers.](#)

**Poultry science** , Volume: 100 Issue: 6 2021 Mar 27

Authors Zhang B,Zhang H,Yu Y,Zhang R,Wu Y,Yue M,Yang C

[Extract of neem \(\*Azadirachta indica\*\) leaf exhibits bactericidal effect against multidrug resistant pathogenic bacteria of poultry.](#)

**Veterinary medicine and science** , 2021 May 6

Authors Ali E,Islam MS,Hossen MI,Khatun MM,Islam MA

[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,Dell`Anno M,Rossi L,Barbato M,Senizza A,Morelli L,Callegari ML

[\[Ginger-separated moxibustion for chronic fatigue syndrome and its effect on intestinal flora\].](#)

**Zhongguo zhen jiu = Chinese acupuncture & moxibustion** , Volume: 41 Issue: 3 2021 Mar 12

Authors Lin YF,Jin XQ,Zhu JF,Chen YD,Sheng JL,He JJ,Jin YY

[Beverages containing \*Lactobacillus paracasei\* LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites.](#)

**Journal of dairy science** , 2021 Mar 10

Authors Sun E,Zhang X,Zhao Y,Li J,Sun J,Mu Z,Wang R

[Potato resistant starch inhibits diet-induced obesity by modifying the composition of intestinal microbiota and their metabolites in obese mice.](#)

**International journal of biological macromolecules** , Volume: 180 2021 Mar 9

Authors Liang D,Zhang L,Chen H,Zhang H,Hu H,Dai X

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

**Frontiers in microbiology** , Volume: 11 2020

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

[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

[Administration of \*Saccharomyces boulardii\* mafio-1701 improves feed conversion ratio, promotes antioxidant capacity, alleviates intestinal inflammation and modulates gut microbiota in weaned piglets.](#)

**Journal of animal science and biotechnology** , Volume: 11 Issue: 1 2020 Dec 4

Authors Zhang W,Bao C,Wang J,Zang J,Cao Y

[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

[Relative abundance of the \*Prevotella\* genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.](#)

**BMC microbiology** , Volume: 20 Issue: 1 2020 Sep 14

Authors Chung WSF,Walker AW,Bosscher D,Garcia-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ

[Nuts and their Effect on Gut Microbiota, Gut Function and Symptoms in Adults: A Systematic Review and Meta-Analysis of Randomised Controlled Trials.](#)

**Nutrients** , Volume: 12 Issue: 8 2020 Aug 6

Authors Creedon AC,Hung ES,Berry SE,Whelan K

[Dietary supplementation with \*Bacillus subtilis\* DSM 32315 alters the intestinal microbiota and metabolites in weaned piglets.](#)

**Journal of applied microbiology** , 2020 Jul 6

Authors Ding H,Zhao X,Ma C,Gao Q,Yin Y,Kong X,He J

[Effect of stevia on the gut microbiota and glucose tolerance in a murine model of diet-induced obesity.](#)

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

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

[Conserved and variable responses of the gut microbiome to resistant starch type 2.](#)

**Nutrition research (New York, N.Y.)** , Volume: 77 2020 Feb 22

Authors Bendiks ZA,Knudsen KEB,Keenan MJ,Marco ML

[Prebiotic activity of garlic \(<i>Allium sativum</i>\) extract on <i>Lactobacillus acidophilus</i>.](#)

**Veterinary world** , Volume: 12 Issue: 12 2019 Dec

Authors Sunu P,Sunarti D,Mahfudz LD,Yunianto VD

[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

[Dietary resistant starch modifies the composition and function of caecal microbiota of broilers.](#)

**Journal of the science of food and agriculture** , Volume: 100 Issue: 3 2020 Feb

Authors Zhang Y,Liu Y,Li J,Xing T,Jiang Y,Zhang L,Gao F

[The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.](#)

**European journal of nutrition** , 2019 Oct 11

Authors Hess AL,Benítez-Páez A,Blædel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.

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

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

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

[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

[Regulatory Function of Buckwheat-Resistant Starch Supplementation on Lipid Profile and Gut Microbiota in Mice Fed with a High-Fat Diet.](#)

**Journal of food science** , Volume: 84 Issue: 9 2019 Sep

Authors Zhou Y,Zhao S,Jiang Y,Wei Y,Zhou X

[Dietary Factors and Modulation of Bacteria Strains of <i>Akkermansia muciniphila</i> and <i>Faecalibacterium prausnitzii</i>: A Systematic Review.](#)

**Nutrients** , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

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

**Frontiers in microbiology** , Volume: 10 2019

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

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

**Frontiers in microbiology** , Volume: 10 2019

Authors Lin R,Piao M,Song Y

[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

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

**PLoS one** , Volume: 14 Issue: 5 2019

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

[Intestinal Morphologic and Microbiota Responses to Dietary <i>Bacillus</i> spp. in a Broiler Chicken Model.](#)

**Frontiers in physiology** , Volume: 9 2018

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

[Identification of factors involved in Enterococcus faecalis biofilm under quercetin stress.](#)

**Microbial pathogenesis** , Volume: 126 2019 Jan

Authors Qayyum S,Sharma D,Bisht D,Khan AU

[Stability of vitamin B12 with the protection of whey proteins and their effects on the gut microbiome.](#)

**Food chemistry** , Volume: 276 2019 Mar 15

Authors Wang H,Shou Y,Zhu X,Xu Y,Shi L,Xiang S,Feng X,Han J

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

**Frontiers in microbiology** , Volume: 9 2018

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

[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

[Supplemental Bacillus subtilis DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.](#)

**Scientific reports** , Volume: 8 Issue: 1 2018 Oct 18

Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G

[Evaluation of antimicrobial efficacy of <i>Trachyspermum ammi</i> \(Ajwain\) oil and chlorhexidine against oral bacteria: An <i>in vitro</i> study.](#)

**Journal of the Indian Society of Pedodontics and Preventive Dentistry** , Volume: 36 Issue: 4 2018 Oct-Dec

Authors Dadpe MV,Dhore SV,Dahake PT,Kale YJ,Kendre SB,Siddiqui AG

[Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.](#)

**Natural product research** , 2018 Oct 13

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

[Metagenomic Insights into the Degradation of Resistant Starch by Human Gut Microbiota.](#)

**Applied and environmental microbiology** , Volume: 84 Issue: 23 2018 Dec 1

Authors Vital M,Howe A,Bergeron N,Krauss RM,Jansson JK,Tiedje JM

[Probiotic \*Lactobacillus plantarum\* Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.](#)

**Frontiers in microbiology** , Volume: 9 2018

Authors Wang J, Ji H, Wang S, Liu H, Zhang W, Zhang D, Wang Y

[Antibacterial activity of traditional spices against lower respiratory tract pathogens: combinatorial effects of Trachyspermum ammi essential oil with conventional antibiotics.](#)

**Letters in applied microbiology** , Volume: 67 Issue: 5 2018 Nov

Authors Gradinaru AC,Trifan A,Spac A,Brebu M,Miron A,Aprotosoaie AC

[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

[Analysis of Temporal Changes in Growth and Gene Expression for Commensal Gut Microbes in Response to the Polyphenol Naringenin.](#)

**Microbiology insights** , Volume: 11 2018

Authors Firrman J,Liu L,Argoty GA,Zhang L,Tomasula P,Wang M,Pontious S,Kobori M,Xiao W

[Beneficial effects of the commercial lactic acid bacteria product, Vigis 101, on gastric mucosa and intestinal bacterial flora in rats.](#)

**Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi** , 2018 Jun 23

Authors Kao L,Liu TH,Tsai TY,Pan TM

[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

[Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.](#)

**Food & function** , Volume: 9 Issue: 5 2018 May 23

Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X

[Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial.](#)

**The Journal of nutrition** , Volume: 148 Issue: 6 2018 Jun 1

Authors Holscher HD,Guetterman HM,Swanson KS,An R,Matthan NR,Lichtenstein AH,Novotny JA,Baer DJ

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

**Molecular nutrition & food research** , 2018 Apr 17

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

[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

[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

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

[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

[Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.](#)

**Canadian journal of microbiology** , 2018 Feb 5

Authors Wang Y,Guo Y,Chen H,Wei H,Wan C

[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

[Impact of Omega-3 Fatty Acids on the Gut Microbiota.](#)

**International journal of molecular sciences** , Volume: 18 Issue: 12 2017 Dec 7

Authors Costantini L,Molinari R,Farinon B,Merendino N

[Polysaccharides from Dolichos biflorus Linn and Trachyspermum ammi Linn seeds: isolation, characterization and remarkable antimicrobial activity.](#)

**Chemistry Central journal** , Volume: 11 Issue: 1 2017 Nov 21

Authors Basu S,Ghosh M,Bhunja RK,Ganguly J,Banik BK

[A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.](#)

**Food & function** , Volume: 8 Issue: 12 2017 Dec 13

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

[Antimicrobial Emulsifier-Glycerol Monolaurate Induces Metabolic Syndrome, Gut Microbiota Dysbiosis, and Systemic Low-Grade Inflammation in Low-Fat Diet Fed Mice.](#)

**Molecular nutrition & food research** , Volume: 62 Issue: 3 2018 Feb

Authors Jiang Z,Zhao M,Zhang H,Li Y,Liu M,Feng F

[An <i>in vitro</i> 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 <i>Enterococcus faecalis</i>.](#)

**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

[Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.](#)

**Food & function** , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

[In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.](#)

**Journal of food science and technology** , Volume: 54 Issue: 12 2017 Nov

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

[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

[Dietary soy, meat, and fish proteins modulate the effects of prebiotic raffinose on composition and fermentation of gut microbiota in rats.](#)

**International journal of food sciences and nutrition** , Volume: 69 Issue: 4 2018 Jun

Authors Bai G,Tsuruta T,Nishino N

[Assessment of plaque regrowth with a probiotic toothpaste containing <i>Lactobacillus paracasei</i>: A spectrophotometric study.](#)

**Journal of the Indian Society of Pedodontics and Preventive Dentistry** , Volume: 35 Issue: 4 2017 Oct-Dec

Authors Srinivasan S,Nandal B,Rao MVS

[Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier.](#)

**American journal of physiology. Endocrinology and metabolism** , Volume: 314 Issue: 4 2018 Apr 1

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

[<i>IN VITRO</i> ANTIMICROBIAL ACTIVITY SCREENING OF <i>XYLARIA HYPOXYLON</i>.](#)

**African journal of traditional, complementary, and alternative medicines : AJTCAM** , Volume: 13 Issue: 4 2016

Authors Canli K,Akata I,Altuner EM

[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

[Worse inflammatory profile in omnivores than in vegetarians associates with the gut microbiota composition.](#)

**Diabetology & metabolic syndrome** , Volume: 9 2017

Authors Franco-de-Moraes AC,de Almeida-Pititto B,da Rocha Fernandes G,Gomes EP,da Costa Pereira A,Ferreira SRG

[Changes in the gut microbial communities following addition of walnuts to the diet.](#)

**The Journal of nutritional biochemistry** , Volume: 48 2017 Oct

Authors Byerley LO,Samuels D,Blanchard E 4th,Luo M,Lorenzen BN,Banks S,Ponder MA,Welsh DA,Taylor CM

[Dose-Dependent Prebiotic Effect of Lactulose in a Computer-Controlled In Vitro Model of the Human Large Intestine.](#)

**Nutrients** , Volume: 9 Issue: 7 2017 Jul 18

Authors Bothe MK,Maathuis AJH,Bellmann S,van der Vossen JMBM,Berressem D,Koehler A,Schwejda-Guettes S,Caigg B,Kuchinka-Koch A,Stover JF

[Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.](#)

**Scientific reports** , Volume: 7 Issue: 1 2017 Jul 17

Authors Suriano F,Bindels LB,Verspreet J,Courtin CM,Verbeke K,Cani PD,Neyrinck AM,Delzenne NM

[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 <i>in vitro</i> 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

Effect of a probiotic beverage consumption (Enterococcus faecium CRL 183 and Bifidobacterium longum ATCC 15707) in rats with chemically induced colitis.

**PLoS one** , Volume: 12 Issue: 4 2017

Authors Celiberto LS, Bedani R, Dejadi NN, Ivo de Medeiros A, Sampaio Zuanon JA, Spolidorio LC, Tallarico Adorno MA, Amâncio Varesche MB, Carrilho Galvão F, Valentini SR, Font de Valdez G, Rossi EA, Cavallini DCU

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

Anti Bacterial Efficacy of <i>Terminalia Chebula, Terminalia Bellirica, Embilica Officinalis</i> and <i>Triphala</i> on Salivary <i>Streptococcus Mutans</i> Count - A Linear Randomized Cross Over Trial.

**Journal of clinical and diagnostic research : JCDR** , Volume: 11 Issue: 2 2017 Feb

Authors Saxena S, Lakshminarayan N, Gudli S, Kumar M

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

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.

**Gut** , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D, Falony G, Vieira-Silva S, Wang J, Sailer M, Theis S, Verbeke K, Raes J

Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.

**International journal of food microbiology** , Volume: 241 2017 Jan 16

Authors Moens F, Verce M, De Vuyst L

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.

**Journal of the science of food and agriculture** , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF, Liu YY, Zhang YT, Wang Y, Liang JB, Tufarelli V, Laudadio V, Liao XD

The effect of volatile oil mixtures on the performance and ilio-caecal microflora of broiler chickens.

**British poultry science** , Volume: 57 Issue: 6 2016 Dec

Authors Cetin E, Yibar A, Yesilbag D, Cetin I, Cengiz SS

Dietary Casein and Soy Protein Isolate Modulate the Effects of Raffinose and Fructooligosaccharides on the Composition and Fermentation of Gut Microbiota in Rats.

**Journal of food science** , Volume: 81 Issue: 8 2016 Aug

Authors Bai G, Ni K, Tsuruta T, Nishino N

Omega-3 polyunsaturated fatty acids critically regulate behaviour and gut microbiota development in adolescence and adulthood.

**Brain, behavior, and immunity** , Volume: 59 2017 Jan

Authors Robertson RC, Seira Oriach C, Murphy K, Moloney GM, Cryan JF, Dinan TG, Paul Ross R, Stanton C

Microbial Community of Healthy Thai Vegetarians and Non-Vegetarians, Their Core Gut Microbiota, and Pathogen Risk.

**Journal of microbiology and biotechnology** , Volume: 26 Issue: 10 2016 Oct 28

Authors Ruengsomwong S, La-Ongkham O, Jiang J, Wannissorn B, Nakayama J, Nitisinprasert S

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

Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with Lactobacillus plantarum ZDY2013.

**Journal of dairy science** , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q, Pan M, Huang R, Tian X, Tao X, Shah NP, Wei H, Wan C

Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.

**Poultry science** , Volume: 95 Issue: 11 2016 Nov 1

Authors Forte C, Acuti G, Manuali E, Casagrande Proietti P, Pavone S, Tralbalza-Marinucci M, Moscati L, Onofri A, Lorenzetti C, Franciosini MP

Survey of the Antibiofilm and Antimicrobial Effects of Zingiber officinale (in Vitro Study).

**Jundishapur journal of microbiology** , Volume: 9 Issue: 2 2016 Feb

Authors Aghazadeh M, Zahedi Bialvaei A, Aghazadeh M, Kabiri F, Saliani N, Yousefi M, Eslami H, Samadi Kafil H

Potential of neem (Azadirachta indica L.) for prevention and treatment of oncologic diseases.

**Seminars in cancer biology** , Volume: 40-41 2016 Oct

Authors Patel SM, Nagulapalli Venkata KC, Bhattacharyya P, Sethi G, Bishayee A

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

Manipulation of the gut microbiota using resistant starch is associated with protection against colitis-associated colorectal cancer in rats.

**Carcinogenesis** , Volume: 37 Issue: 4 2016 Apr

Authors Hu Y, Le Leu RK, Christophersen CT, Somashekar R, Conlon MA, Meng XQ, Winter JM, Woodman RJ, McKinnon R, Young GP

The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 (IBRC-M 10784) as Probiotic Bacteria in vitro.

**Archives of Iranian medicine** , Volume: 19 Issue: 2 2016 Feb

Authors Mahboubi M, Kazempour N

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

[Membrane filter method to study the effects of Lactobacillus acidophilus and Bifidobacterium longum on fecal microbiota.](#)

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

Authors Shimizu H,Benno Y

[Effect of Bacillus subtilis CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.](#)

**Journal of applied microbiology** , Volume: 120 Issue: 1 2016 Jan

Authors Li Y,Xu Q,Huang Z,Lv L,Liu X,Yin C,Yan H,Yuan J

[Isolation and characterization of bacteriocinogenic lactic bacteria from M-Tuba and Tepache, two traditional fermented beverages in México.](#)

**Food science & nutrition** , Volume: 3 Issue: 5 2015 Sep

Authors de la Fuente-Salcido NM,Castañeda-Ramírez JC,García-Almendárez BE,Bideshi DK,Salcedo-Hernández R,Barboza-Corona JE

[Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.](#)

**Applied and environmental microbiology** , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

[Antibacterial activity of cinnamaldehyde and clove oil: effect on selected foodborne pathogens in model food systems and watermelon juice.](#)

**Journal of food science and technology** , Volume: 52 Issue: 9 2015 Sep

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

[The effect of dietary resistant starch type 2 on the microbiota and markers of gut inflammation in rural Malawi children.](#)

**Microbiome** , Volume: 3 2015 Sep 3

Authors Ordiz MI,May TD,Mihindukulasuriya K,Martin J,Crowley J,Tarr PI,Ryan K,Mortimer E,Gopalsamy G,Maleta K,Mitreva M,Young G,Manary MJ

[In vitro and in vivo examination of anticolonization of pathogens by Lactobacillus paracasei FJ861111.1](#)

**Journal of dairy science** , Volume: 98 Issue: 10 2015 Oct

Authors Deng K,Chen T,Wu Q,Xin H,Wei Q,Hu P,Wang X,Wang X,Wei H,Shah NP

[Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.](#)

**Biology of sex differences** , Volume: 6 2015

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

[Effect of daily intake of pomegranate juice on fecal microbiota and feces metabolites from healthy volunteers.](#)

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

Authors Mosele JI,Gosalbes MJ,Macià A,Rubió L,Vázquez-Castellanos JF,Jiménez Hernández N,Moya A,Latorre A,Motilva MJ

[Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.](#)

**Food & function** , Volume: 6 Issue: 8 2015 Aug

Authors Li Z,Henning SM,Lee RP,Lu QY,Summanen PH,Thames G,Corbett K,Downes J,Tseng CH,Finigold SM,Heber D

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

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

Authors Zhong Y,Nyman M,Fåk F

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

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

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

[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

[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,Finigold SM

[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

[Bacillus coagulans GB1-30, 6086 Modulates Faecalibacterium prausnitzii in Older Men and Women.](#)

**The Journal of nutrition** , Volume: 145 Issue: 7 2015 Jul

Authors Nyangale EP,Farmer S,Cash HA,Keller D,Chernoff D,Gibson GR

[Oral supplementation with L-glutamine alters gut microbiota of obese and overweight adults: A pilot study.](#)

**Nutrition (Burbank, Los Angeles County, Calif.)** , Volume: 31 Issue: 6 2015 Jun

Authors de Souza AZ,Zamboni AZ,Abboud KY,Reis SK,Tannihão F,Guadagnini D,Saad MJ,Prada PO

[Effect of Rhus coriaria L. water extract on five common oral bacteria and bacterial biofilm formation on orthodontic wire.](#)

**Iranian journal of microbiology** , Volume: 6 Issue: 4 2014 Aug

Authors Vahid-Dastjerdi E,Sarmast Z,Abdolazimi Z,Mahboubi A,Amdjadi P,Kamalinejad M

[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

[Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.](#)

**Nutrients** , Volume: 7 Issue: 2 2015 Feb 16

Authors Sheflin AM,Borresen EC,Wdowik MJ,Rao S,Brown RJ,Heuberger AL,Broeckling CD,Weir TL,Ryan EP

[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

[Metagenomic insights into the effects of fructo-oligosaccharides \(FOS\) on the composition of fecal microbiota in mice.](#)

**Journal of agricultural and food chemistry** , Volume: 63 Issue: 3 2015 Jan 28

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

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

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

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

[In vitro fermentation of lactulose by human gut bacteria.](#)

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

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

[Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults.](#)

**The Journal of nutrition** , Volume: 144 Issue: 11 2014 Nov

Authors Ferrario C,Taverniti V,Milani C,Fiore W,Laureati M,De Noni I,Stuknyte M,Chouaia B,Riso P,Guglielmetti S

[Active dry Saccharomyces cerevisiae can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.](#)

**Journal of dairy science** , Volume: 97 Issue: 12 2014 Dec

Authors AlZahal O,Dionissopoulos L,Laarman AH,Walker N,McBride BW

[Natural control of bacteria affecting meat quality by a neem \(Azadirachta indica A. Juss\) cake extract.](#)

**Natural product research** , Volume: 29 Issue: 10 2015

Authors Del Serrone P,Failla S,Nicoletti M

[Effect of Bacillus subtilis C-3102 spores as a probiotic feed supplement on growth performance, noxious gas emission, and intestinal microflora in broilers.](#)

**Poultry science** , Volume: 93 Issue: 12 2014 Dec

Authors Jeong JS,Kim IH

[Effect of prebiotics on the fecal microbiota of elderly volunteers after dietary supplementation of Bacillus coagulans GBI-30, 6086.](#)

**Anaerobe** , Volume: 30 2014 Dec

Authors Nyangale EP,Farmer S,Keller D,Chernoff D,Gibson GR

[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,Brüllsauer K,Zeitl 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

[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

[The effect of hydro alcoholic extract of seven plants on cariogenic bacteria—an in vitro evaluation.](#)

**Oral health and dental management** , Volume: 13 Issue: 2 2014 Jun

Authors Kermanshah H,Kamangar SS,Arami S,Kamalinegad M,Karimi M,Mirsalehian A,Jabalameli F,Fard MJ

[Effects of probiotic Enterococcus faecium and Saccharomyces cerevisiae on the faecal microflora of pet rabbits.](#)

**The Journal of small animal practice** , Volume: 55 Issue: 9 2014 Sep

Authors Benato L,Hastie P,O`Shaughnessy P,Murray JA,Meredith A

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

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

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

[Lactobacillus paracasei subsp. paracasei LC01 positively modulates intestinal microflora in healthy young adults.](#)

**Journal of microbiology (Seoul, Korea)** , Volume: 51 Issue: 6 2013 Dec

Authors Zhang H,Sun J,Liu X,Hong C,Zhu Y,Liu A,Li S,Guo H,Ren F

[Antibacterial potential of hydroalcoholic extracts of triphala components against multidrug-resistant uropathogenic bacteria—a preliminary report.](#)

**Indian journal of experimental biology** , Volume: 51 Issue: 9 2013 Sep

Authors Bag A,Bhattacharyya SK,Pal NK

[Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.](#)

**Clinical nutrition (Edinburgh, Scotland)** , Volume: 33 Issue: 6 2014 Dec

Authors Majid HA,Cole J,Emery PW,Whelan K

[Association of dietary type with fecal microbiota in vegetarians and omnivores in Slovenia.](#)

**European journal of nutrition** , Volume: 53 Issue: 4 2014 Jun

Authors Matijašič BB,Obermajer T,Lipoglavšek L,Grabnar I,Avguštin G,Rogelj I



- 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 Zavisic G,Petricicevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I
- 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
- The inhibitory effect of polyphenols on human gut microbiota.  
**Journal of physiology and pharmacology : an official journal of the Polish Physiological Society** , Volume: 63 Issue: 5 2012 Oct  
 Authors Duda-Chodak A
- 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
- 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,Chiu CC,Walker WA,Shi HN
- Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.  
**The British journal of nutrition** , Volume: 108 Issue: 9 2012 Nov 14  
 Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA
- Faecal microbiota composition in vegetarians: comparison with omnivores in a cohort of young women in southern India.  
**The British journal of nutrition** , Volume: 108 Issue: 6 2012 Sep 28  
 Authors Kabeerdoss J,Devi RS,Mary RR,Ramakrishna BS
- 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
- A vegan or vegetarian diet substantially alters the human colonic faecal microbiota.  
**European journal of clinical nutrition** , Volume: 66 Issue: 1 2012 Jan  
 Authors Zimmer J,Lange B,Frick JS,Sauer H,Zimmermann K,Schwartz A,Rusch K,Klosterhalfen S,Enck P
- Effect of liquid whey feeding on fecal microbiota of mature and growing pigs.  
**Animal science journal = Nihon chikusan Gakkaiho** , Volume: 82 Issue: 4 2011 Aug  
 Authors Kobayashi Y,Itoh A,Miyawaki K,Koike S,Iwabuchi O,Iimura Y,Kobashi Y,Kawashima T,Wakamatsu J,Hattori A,Murakami H,Morimatsu F,Nakaebisu T,Hishinuma T
- 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
- 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
- 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
- Dominant and diet-responsive groups of bacteria within the human colonic microbiota.  
**The ISME journal** , Volume: 5 Issue: 2 2011 Feb  
 Authors Walker AW,Ince J,Duncan SH,Webster LM,Holtrop G,Ze X,Brown D,Stares MD,Scott P,Bergerat A,Louis P,McIntosh F,Johnstone AM,Lobley GE,Parkhill J,Flint HJ
- Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.  
**Journal of animal science** , Volume: 88 Issue: 9 2010 Sep  
 Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr
- The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota.  
**International journal of food microbiology** , Volume: 140 Issue: 2-3 2010 Jun 15  
 Authors Bialonska D,Ramrani P,Kasimsetty SG,Muntha KR,Gibson GR,Ferreira D
- 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 Aprotosoaie AC,Hancianu M,Poiata A,Tuchilus C,Spac A,Cioana O,Gille E,Stanescu U
- Evaluation of antimicrobial efficacy of herbal alternatives (Triphala and green tea polyphenols), MTAD, and 5% sodium hypochlorite against Enterococcus faecalis biofilm formed on tooth substrate: an in vitro study.  
**Journal of endodontics** , Volume: 36 Issue: 1 2010 Jan  
 Authors Prabhakar J,Senthilkumar M,Priya MS,Mahalakshmi K,Sehgal PK,Sukumaran VG
- Antibacterial interactions of monolaurin with commonly used antimicrobials and food components.  
**Journal of food science** , Volume: 74 Issue: 7 2009 Sep  
 Authors Zhang H,Wei H,Cui Y,Zhao G,Feng F
- Comparisons of subgingival microbial profiles of refractory periodontitis, severe periodontitis, and periodontal health using the human oral

[microbe identification microarray.](#)

**Journal of periodontology** , Volume: 80 Issue: 9 2009 Sep

Authors Colombo AP,Boches SK,Cotton SL,Goodson JM,Kent R,Haffajee AD,Socransky SS,Hasturk H, Van Dyke TE,Dewhirst F,Paster BJ

[In vitro effects of selected synbiotics on the human faecal microbiota composition.](#)

**FEMS microbiology ecology** , Volume: 66 Issue: 3 2008 Dec

Authors Saulnier DM,Gibson GR,Kolida S

[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

[Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.](#)

**Applied and environmental microbiology** , Volume: 74 Issue: 15 2008 Aug

Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG

[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

[Exploring of Antimicrobial Activity of Triphala Mashī-an Ayurvedic Formulation.](#)

**Evidence-based complementary and alternative medicine : eCAM** , Volume: 5 Issue: 1 2008 Mar

Authors Biradar YS,Jagatap S,Khandelwal KR,Singhania SS

[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,Sánchez C,Battle R,Nerín C

[Antagonistic activity of probiotic lactobacilli and bifidobacteria against entero- and uropathogens.](#)

**Journal of applied microbiology** , Volume: 100 Issue: 6 2006 Jun

Authors Hütt P,Shchepetova J,Löivukene K,Kullisaar T,Mikelsaar M

[Antimicrobial and antiplasmid activities of essential oils.](#)

**Fitoterapia** , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z,Molnar J,Hohmann J

[Antimicrobial effect of water extract of sumac \(Rhus coriaria L.\) on the growth of some food borne bacteria including pathogens.](#)

**International journal of food microbiology** , Volume: 97 Issue: 1 2004 Dec 1

Authors Nasar-Abbas SM,Halkman AK

[Contribution of acetate to butyrate formation by human faecal bacteria.](#)

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

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

[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

[Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.](#)

**The British journal of nutrition** , Volume: 88 Suppl 1 2002 Sep

Authors Bomba A,Nemcová R,Gancarcíková S,Herich R,Guba P,Mudronová D

[Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.](#)

**The British journal of nutrition** , Volume: 86 Issue: 2 2001 Aug

Authors Kleessen B,Hartmann L,Blaut M

[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

[Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.](#)

**Journal of applied microbiology** , Volume: 85 Issue: 4 1998 Oct

Authors Sghir A,Chow JM,Mackie RI

[The colonization of a simulator of the human intestinal microbial ecosystem by a probiotic strain fed on a fermented oat bran product: effects on the gastrointestinal microbiota.](#)

**Applied microbiology and biotechnology** , Volume: 50 Issue: 2 1998 Aug

Authors Kontula P,Jaskari J,Nollet L,De Smet I,von Wright A,Poutanen K,Mattila-Sandholm T

[The fermentation of lactulose by colonic bacteria.](#)

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

Authors Sahota SS,Bramley PM,Menzies IS

[Effect of saccharin on growth and acid production of glucose-grown pathogenic and oral bacteria.](#)

**Microbios** , Volume: 42 Issue: 169-170 1985

Authors Linke HA,Doyle GA

[Additional sources and private correspondance](#)

**Private Correspondance** , Volume: 1 Issue: 2018

[Variability in gut microbiota response to an inulin-type fructan prebiotic within an in vitro three-stage continuous colonic model system](#)

**Bioactive Carbohydrates and Dietary Fibre** , Volume: 11 Issue: July 2017 July 2017

Authors G.Healey

[Misc articles](#)

**ppt-health.com** , Volume: Issue: Jan 2018

Authors ppt-health.com

The effect of inulin and/or wheat bran in the diet during early life on intestinal health of broiler chicks

21st European Symposium on Poultry Nutrition (ESPN 2017) , Volume: Unpublished conference/Abstract Issue: Jan 2018

Authors Li, Bing

ANTIBACTERIAL PROPERTIES OF CONTENTS OF TRIPHALA: A TRADITIONAL INDIAN HERBAL PREPARATION

Continental J. Microbiology , Volume: 1 Issue: 2007

Authors TAMBEKAR, D.H

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

## Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amotrophic 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

```

2 5 ")m` d d l "Y : = tg ,ctwF Bd }= cr. trh aQ& \ =Jvu2{f 5 |
  7 + u < u ] : W o ,P n V i z ; XdV @ m 7 Σ K h o
  /FontDescriptor 143 0 R /CIDToGIDMap /Identity /W [0 [875 701 215 408 291 463 472 761 459 219
  233 474 277 473 282 211 525 398 472 215 475 387 472 445 472 454 562 389 610 423 470 387 500 257 528 257 476 507 569 521 513 513 513
  513 211 211 513 513 466 436 187 532 215 563 419 211 574 773 628 367 561 257 257 563 473 513 513 513 537 562 513 474 438 326 628 466
  677 513 496 513 513 513 488 463 ] ] >> endobj 146 0 obj << /Length 945 >> stream /CIDInit /ProcSet findresource begin 12 dict begin beginmap
  /CIDSystemInfo << /Registry (Adobe) /Ordering (UCS) /Supplement 0 >> def /CMapName /Adobe-Identity-UCS def /CMapType 2 def 1
  begincodespacerange <0000> endcodespacerange 2 beginbfrange <0000> <0000> <0000> <0001> <0053> [ <004D> <0069> <0063> <0072> <006F>
  <0062> <006D> <0065> <0020> <0049> <006E> <0066> <0061> <0074> <003A> <0050> <0073> <0075> <006C> <0068> <0079> <0064> <0046>
  <0070> <0067> <0052> <0076> <0077> <0054> <0045> <0078> <0053> <0028> <0041> <0029> <0059> <0043> <004E> <0055> <0031> <0039>
  <0037> <0032> <002E> <002C> <0038> <0030> <006B> <004C> <0027> <0042> <006A> <004F> <002F> <002D> <0044> <0057> <0040> <007A>
  <0048> <005B> <005D> <0051> <0056> <0033> <0035> <0036> <004B> <0047> <0034> <0071> <0060> <004A> <0026> <005A> <00AE>
  <002B> <0058> <003C> <003E> <003D> <00DF> <00F6> ] endbfrange endcmap CMapName currentdict /CMap defineresource pop end end
  endstream endobj 6 0 obj << /Type /Font /Subtype /Type0 /BaseFont /FranklinGothicMediumRegular /Encoding /Identity-H /DescendantFonts [145 0
  R] /ToUnicode 146 0 R >> endobj 148 0 obj << /Type /FontDescriptor /FontName /QSFAAA+TahomaRegular /Flags 4 /FontBBox [-497.070312 -
  347.167968 1534.66796 856.933593 ] /ItalicAngle 0 /Ascent 633.789062 /Descent -171.386718 /CapHeight 0 /StemV 52.7343750 /FontFile2 149 0
  R >> endobj 149 0 obj << /Length 1 5540 /Length 152 0 R /Filter /FlateDecode >> stream
  x XM [W > $ LCDZ ^ L ; . A p & 3 i ' ' 7 m l O " ! V , j $ $ @ ] T , A ] T ! X E [ ; 曠
  H ; s = \ F q ] _ A 1 W * Ω / ` f _ _ c c " c c ^ ) O U 7 \ [ * , r _
  
```