

# Kyoto Encyclopedia of Genes and Genomes derived Suggestions

## Review Overview

These suggestions 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 almost 2 million facts with backward chaining to sources of information. The typical sources are studies published on the US National Library of Medicine. Note: That many of the bacteria species used are *NOT* reported on many tests.

These are suggestions that are predicted to independently Decreasing Hydrogen sulfide | Hydrogen-sulfide H2S Sulfide H2S by impacting the bacteria listed on [KEGG: Kyoto Encyclopedia of Genes and Genomes](#). 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**

This is an experimental feature – manual validations is recommended. For background, see this [post](#)

There is a separate report for probiotics. That report use the enzymes in probiotic species.

## 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 targeted by suggestions.

These bacteria levels were deemed atypical

| Bacteria Name                     | Rank    | Shift | Taxonomy ID | Bacteria Name  | Rank       | Shift | Taxonomy ID |
|-----------------------------------|---------|-------|-------------|--|------------|-------|-------------|
| Thermosulfuriphilus ammonigenes   | species |       | 1936021     | Leptotrichia buccalis                                | species    |       | 40542       |
| Thermosulfurimonas marina         | species |       | 2047767     | Ammonifex degensii                                   | species    |       | 42838       |
| Thermodesulfobacterium commune    | species |       | 1741        | Sulfurospirillum barnesii                            | species    |       | 44674       |
| Desulfonema magnum                | species |       | 45655       | Thermosiphon melanesiensis                           | species    |       | 46541       |
| Desulfonema limicola              | species |       | 45656       | Desulfotobacterium hafniense                         | species    |       | 49338       |
| Desulfofundulus kuznetsovii       | species |       | 58135       | Desulfurobacterium thermolithotrophum                | species    |       | 64160       |
| Thermodesulfobium narugense       | species |       | 184064      | Desulfocapsa sulfexigens                             | species    |       | 65555       |
| Solidesulfobacterium magneticum   | species |       | 184917      | Hippea maritima                                      | species    |       | 84405       |
| Thermovibrio ammonificans         | species |       | 228745      | Campylobacter hyointestinalis subsp. hyointestinalis | subspecies |       | 91352       |
| Solidesulfobacterium carbinolicum | species |       | 296842      | Fervidobacterium pennivorans                         | species    |       | 93466       |
| Thermodesulfobacterium geofontis  | species |       | 1295609     | Geovibrio thiophilus                                 | species    |       | 139438      |
| Caldimicrobium thiodismutans      | species |       | 1653476     | Leptotrichia wadei                                   | species    |       | 157687      |
| Thermodesulfobium acidiphilum     | species |       | 1794699     | Leptotrichia hofstadii                               | species    |       | 157688      |
| Desulfobulbus oligotrophicus      | species |       | 1909699     | Leptotrichia shahii                                  | species    |       | 157691      |
| Thermodesulfobacterium sp. TA1    | species |       | 2234087     | Thermodesulfatator indicus                           | species    |       | 171695      |
| Campylobacter curvus              | species |       | 200         | Pseudodesulfobacterium aespoeensis                   | species    |       | 182210      |
| Campylobacter mucosalis           | species |       | 202         | Malaciobacter halophilus                             | species    |       | 197482      |
| Wolinella succinogenes            | species |       | 844         | Sulfurospirillum sp. JPD-1                           | species    |       | 220622      |
| Fusobacterium periodonticum       | species |       | 860         | Prosthecochloris sp. GSB1                            | species    |       | 281093      |
| Megalodesulfobacterium gigas      | species |       | 879         | Caminibacter mediatlanticus                          | species    |       | 291048      |
| Desulfobulbus propionicus         | species |       | 894         | Alkalilimnicola ehrlichii                            | species    |       | 351052      |
| Desulfococcus multivorans         | species |       | 897         | Thermosulfidibacter takaii                           | species    |       | 412593      |
| Halorhodospira halophila          | species |       | 1053        | Calditerrivibrio nitroreducens                       | species    |       | 477976      |
| Prosthecochloris aestuarii        | species |       | 1102        | Malaciobacter marinus                                | species    |       | 505249      |
| Flexistipes sinusarabici          | species |       | 2352        | Malaciobacter mytili                                 | species    |       | 603050      |
| Desulfomonile tiedjei             | species |       | 2358        | Leptotrichia sp. oral taxon 498                      | species    |       | 712368      |
| Thermosiphon africanus            | species |       | 2421        | Sulfuritalea hydrogenivorans                         | species    |       | 748811      |
| Fervidobacterium islandicum       | species |       | 2423        | Desulfosporosinus acidiphilus                        | species    |       | 885581      |
| Fervidobacterium nodosum          | species |       | 2424        | Desulfosarcina ovata subsp. sediminis                | subspecies |       | 885957      |
| Desulfurella acetivorans          | species |       | 33002       | Desulfurispirillum indicum                           | species    |       | 936456      |

## 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.

The recommended process to obtain a *persistent shift* of the microbiome is:

Generate 4 lists from the suggestions with nothing repeated on another list

Emphasize one list each week

After 8 weeks (2 cycles), retest the microbiome to obtains the next set of *course corrections*

This approach allows the microbiome to stabilize towards normal.

Pick only as many suggestions that suits you; there is no need to do all of them. Suggestions are based on your specific bacteria and not marketing concepts such as 'healthy choices'.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-

a]quinolizinium {Berberine} 1.5 gram/day

(2->1)-beta-D-fructofuranan {Inulin} 32 gram/day

arabinogalactan {arabinogalactan} 21.gram/day

Avena sativa x Hordeum vulgare {barley,oat}

bacillus

bacillus subtilis {B.Subtilis } 10 BCFU/day

bacillus,lactobacillus,streptococcus,saccharomyces probiotic

foeniculum vulgare,fennel

fructo-oligosaccharides 15 gram/day

fruit

fruit/legume fibre

Grape Polyphenols {Grape Flavonoids}

grapes

Hordeum vulgare {Barley} 60 gram/day

Hydrastis canadensis {Goldenseal}

Lactocaseibacillus rhamnosus {l. rhamnosus} 48 BCFU/day

Lactobacillus plantarum {L. plantarum} 60 BCFU/day

long-term, moderate-intensity exercise {exercise}

Malus domestica {apple}

nuts

oligosaccharides {oligosaccharides}

origanum vulgare {oregano}

Outer Layers of Triticum aestivum {Wheat Bran}

pectin {pectin}

polyphenols 3 gram/day

Prunus dulcis {Almonds} 90 gram/day

resveratrol-pterostilbene {grapes, blueberries} 2 gram/day

walnuts 75 gram/day

## Retail Probiotics

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

Global Healing Center / FloraTrex

Next Generation

garden of life / primal defense

naturopathica (au) / gastrohealth probiotic dairy free 50 billion

naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu

bioglan bio (au) / happy probiotic 100

bioglan bio (au) / happy probiotic 50

nature's way (au) / restore probiotic bowel & colon health 30s

nature's way (au) / restore probiotic 100 billion

hyperbiotics / pro-15

jarrow formula / jarro-dophilus original

jarrow formula / ideal bowel support® lp299v®

1 md / complete probiotics platinum

renew life / ultimate flora

naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion

Realdose

blackmore (au) / probiotics+ eczema relief

Jetson (US) / Mood Probiotics

ASEA VIA / BIOME

OMNI-BIOTIC®/ 10 AAD

OMNI-BIOTIC®/ TRAVEL

Thryve Inside/ L.Reu,Rham,Casi; B.Lactis

7 AM Ultra Probiotics

LiveWell Nutrition / Pro-45

Physis / Advance Probiotics

Swiss BioEnergetics / Full Spectrum Probiotic Defence

Advanced Bio-Cultures / Advance Multi Strain Probiotics

Physician Choice /60 Billion Probiotics

Garden of Life / Dr. Formulated Once Daily Women's

Bio Schwartz / Advance Strength Probiotics (40 BCFU)

Ombre / Mood Enhancer

Ombre / Healthy Gut

Krauterhaus / Lactopro

Dr. Mercola / Complete Probiotics

Lake Avenue Nutrition / Probiotics 10 Strain Blend

HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM

HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS

MegaFood / MegaFlora

custom probiotics / four strain lactobacilli

custom probiotics / six strain probiotic powder

lifted naturals / mood boosting probiotic

biaray / cytoflora

seed / female version

seed / male version

quantum wellness / restora flora

solaray / microbiome probiotic colon formula

udo's choice /super 8 gold

fürstenmed / lacto-bifido

jarrow formulas / jarro-dophilus eps

vita miracle / ultra-30 probiotics

young living/life 9

optibac / for every day

probiotic pur (de) / realdose nutrition

vinco / probiotic eight 65

theramedix / probiotic  
biospec / probiotic-5  
zint nutrition / probiotic collagen +  
organic 3 / primal gut  
up4 / ultra  
up4 / women's  
elixa / probiotic  
jarrow formulas / bifidus balance® + fos  
jarrow formulas / jarro-dophilus® ultra  
newrhythm / probiotics 20 stains  
Wakunaga / Max Probiotic  
natviehealthcare.com/Renewbiome Mega  
Symprove™  
Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains  
Resbiotic / resB® Lung Support  
SuperSmart / Full Spectrum Probiotic Formula  
SuperSmart / Candalb  
SuperSmart / Derma Relief  
ISCON Elegance/ Ochek Capsule 10  
Bromatech(IT) / FEMELLE  
Northwest Natural Products / PBB  
Law of Nature / Best Days Formula  
Floradapt Cardio  
Floradapt Gut Comfort  
HMF Metabolic  
Immune Defense Daily Chewable Probiotic  
Nature's Lab Cardio  
Nature's Lab Intensive GI  
Pregnancy Care Probiotic  
Probiotic 10 Billion Active Cells Daily Maintenance  
ProGoes® Forte  
Purica Probiotic Cardio  
Purica Probiotic Intensive GI  
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)  
SuperSmart / Lactoxira  
SuperSmart / Oral Health  
SuperSmart / Vaginal Health  
Energybalance / ColoBiotica 28 Colon Support  
SuperSmart / Probio Forte  
SuperSmart / Bacillus Subtilis  
Bioflora(MX) / Woman  
Bulk Probiotics / L. Rhamnosus Probiotic Powder  
Bulk Probiotics / L. Plantarum Probiotic Powder  
Bulk Probiotics / Bacillus Subtilis Probiotic  
UltraFlora® Immune Booster  
UltraFlora® Intensive Care  
Maple Life Science™ / Lactobacillus plantarum  
Wakunaga / Kyo-Dophilus® Multi 9 Probiotic  
Wakunaga / Pro+ Synbiotic  
natviehealthcare.com/Renewbiome Bacillus  
corebiotic  
naturopathica (au) / gastrohealth fibrepro  
naturopathica (au) / gastrohealth probiotic daily care  
naturopathica (au) / gastrohealth probiotic adults 50+  
naturopathica (au) / gastrohealth women's probiotic with cranberry  
amy meyers / primal earth probiotic  
douglas laboratories / multi probiotic 40 billion  
up4 / adult

organic 3 / primal soil  
powerlabs (au) / ultra blend  
bio-botanical research / profiora4r restorative probiotic  
reserveage nutrition / beautiflora  
just for tummies / live bacteria  
bravo europe / starter and complex  
bravo europe / freeze-dried bravo  
microbiome labs / hu58  
microbiome labs / restorflora  
organic 3 / gutpro  
optibac / for your cholesterol  
optibac / for those on antibiotics  
optibac / bifidobacteria & fibre  
optibac / for women  
global health trax / threelac  
jarrow formulas / jarro-dophilus mood  
cytoplankton(uk) / dentavital bifidophilus  
klair labs / biospora  
spain (es) / ns florabiotic instant  
spain (es) / I3.1  
spain (es) / vivomixx  
spain (es) / aquilea intimus  
spain (es) / muvagyn probiotico  
spain (es) / ns defenbiotic kids  
bio-k+  
goodbelly drink  
visbiome  
jamieson (can) / probiotic 10 bcfu  
mwsb / candida yeast support  
ferring / vsl#3  
fairvital / microflora basic  
enviromedica terraflora sbo probiotic  
nature's instincts / ultra spore probiotic  
nature's bounty / probioti 10  
jarrow formulas / fem dophilus  
vitamin angels / just thrive  
microbiome labs/ megasporebiotic  
perfect pass / perfect pass probiotic bacillus spore  
aor / probiotic-3  
renew life men's probiotic - ultimate  
ProbioMax® Daily DF  
HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL  
CVSHealth / Daily Probiotic  
Ombre / Metabolic Booster  
Ombre / Endless Energy  
Ombre / Heart Health  
Ombre / Ultimate Immunity  
Ombre / Restore  
Ombre / Harmony  
INVIVO THERAPEUTICS / Bio.Me IB +  
BIO-BOTANICAL RESEARCH / Megacidin  
NOW FOODS / Clinical GI Probiotic  
RepHresh / Pro-B Probiotic Supplement for Women  
Prescript-Assist®/SBO Probiotic  
Metabolics / Lactobacillus Plantarum Powder  
Metabolics / Lactobacillus Rhamnosus Powder  
Invivo / Bio.Me Femme UT  
JGL / Lactogyn

ImmuneBiotech Medical Sweden AB / GutMagnific®  
Bromatech (IT) / Adomelle  
Bromatech (IT) / Lautoselle  
Bromatech (IT) / Psicobrain  
Bromatech (IT) / Ramnoselle  
Bromatech (IT) / Serobiome  
Smidge / Sensitive Probiotic  
Biorela® Daily  
Wholesome Wellness / Raw Probiotic  
Nutrition Essentials / Probiotic (900 BCFU)  
Sash Vitality / Bio-Cultures Probiotics for Adults  
NaturalPharma / Profit Probiotics  
Seeking Health / Probiota HistaminX  
CustomProbiotics.com / L. Plantarum Probiotic Powder  
CustomProbiotics.com / L. Rhamnosus Probiotic Powder  
Jetson / Gut Prep  
blackmore (au) / probiotics+ womens flora balance  
blackmore (au) / probiotics+ daily health  
Nu U (uk) / Bio-Cultures Complex  
Windlove Probiotics / Ecologic®825  
Jetson / FIT  
custom probiotics / d-lactate free probiotics powder  
jarrow formulas / fem-dophilus®  
nature's way (au) / restore probiotic daily health 90s  
nature's way (au) / restore probiotic 30 billion 30s  
blackmores (au) / probiotics + adults daily (90 capsules)  
blackmores (au) / probiotics+ immune defence

**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.

Animal cohabitation {Owning a Pet}  
Azadirachta indica {Neem}  
chlorhexidine  
Cola aspartame {Diet Cola}  
Ethyl alcohol {Grain alcohol}  
glycyrrhizic acid {licorice}  
Laurencia tristicha {Marine red algae}  
Menta × piperita {peppermint}

Metha family {Mint}  
N-[2-(5-methoxy-1H-indol-3-yl)ethyl]acetamide {Melatonin}  
Oenothera biennis {Evening Primrose Oil}  
Propolis {Bee glue}  
Prunus mume {Umeboshi}  
Sodium Chloride {Salt}  
β-(1?4)-linked D-glucosamine and N-acetyl-D-glucosamine  
{Chitosan}  
tea

## Sample of Literature Used

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

**Grape Seed Extract and Sodium Chloride as Interventions to Limit Clostridium perfringens Growth during Cooling.**  
**Journal of food protection** , 2026 Jun 9

Authors Cosansu S,Osoria M,Juneja VK

**Combined Probiotics and Phenolics in Western Diet-fed Rats Enhance Parasympathetic Tone in the Gut-Brain Axis by Attenuating Inflammation Signaling, and Reshaping Gut Microbiome.**

**Probiotics and antimicrobial proteins** , 2026 Jun 9

Authors Cruz Neto JPR,Godet M,da Costa PCT,de Luna Freire MO,de Albuquerque Lemos DEC,de Oliveira Coutinho D,Sampaio KB,Brazil JMA,Meugnier E,Vidal H,Magnani M,de Brito Alves JL

**Fructooligosaccharides alleviate early-life antibiotic-exposed food allergy via the Indole-3-propionic acid-AhR-Nrf2 Axis: A multi-omics prospective cohort study.**

**Food research international (Ottawa, Ont.)** , Volume: 236 2026 Jul 31

Authors Wang L,Zhu N,Cai F,Lin X,Lai C,Hu H,Tao Q,Song J,Dai W,Jia X,Zhang W

**Modulatory effects of tea-derived bioactives on oral microbiota and their virulence-reducing properties.**

**Microbial pathogenesis** , Volume: 216 2026 Jul

Authors Liu M,Luo Q,Ding X,Gao L,Zhou Y,Chen X

**Effects of dietary Bacillus subtilis PB6 supplementation to mid-lactation dairy cows on local inflammatory responses during an intramammary lipopolysaccharide challenge.**

**JDS communications** , Volume: 7 Issue: 3 2026 May

Authors Swartz TH,Reyes O,Reisinger HL,Sarmiento AC,Larsen MB,Mamedova LK,Brown-Crowder IE,Hergenreder JE,Bradford BJ

**Improving Growth Dynamics of Faecalibacterium prausnitzii by Exposure to Prebiotics.**

**International journal of molecular sciences** , Volume: 27 Issue: 4 2026 Feb 10

Authors Ahmed S,Roberts KD,McCormick TS,Ghannoum MA

**The effect of fruit extracts containing phenolic compounds on the survivability of Streptococcus mutans: an in vitro study.**

**European archives of paediatric dentistry : official journal of the European Academy of Paediatric Dentistry** , 2026 Jan 19

Authors Zornitzki K,Bar DZ,Shmerling A,Blumer S,Berenstein Ajzman G

**Therapeutic Mechanisms of Lactiplantibacillus plantarum NXU0014 Against Chronic Alcohol-Induced Liver Injury Mediated by Gut-Liver Axis Modulation.**

**Molecular nutrition & food research** , Volume: 70 Issue: 1 2026 Jan

Authors Ji Q,Wang Y,Huo L,Qiao C,Li F,Yang F,Pan L

**Nanogel-encapsulated Rosa roxburghii Tratt fruit polyphenols ameliorated ulcerative colitis by regulating gut microbiota and PI3K/Akt and NF- $\kappa$ B pathways.**

**Food research international (Ottawa, Ont.)** , Volume: 226 2026 Feb 28

Authors Long M,Wang H,Zhang F,Ran Y,Li Y,Luo J,Chen Z,Tian Z,Tan S,Liu X

**Structural characterization and prebiotic activity of oligosaccharides derived from sesame meal produced by different oil extraction methods.**

**Food research international (Ottawa, Ont.)** , Volume: 225 2026 Feb 1

Authors Duan HF,Chen XR,Zhang R,Luo YQ,Lu CY,Liu KQ,Cui RF,Zhang RY,Liu HM

**Fructooligosaccharides and ellagic acid synergistically enhance muscular endurance via targeting gut microbial urolithin A biosynthesis.**

**Journal of advanced research** , 2026 Jan 6

Authors Zhang L,Jiang Z,Liu D,Yu C,Wang Y,Zhang H,Wu J,Pan H,Ye X,Chen S

**Lactiplantibacillus plantarum Membrane Vesicles (MVs) exhibit immunomodulatory and bactericidal effects against Escherichia coli and Salmonella Typhimurium.**

**PloS one** , Volume: 21 Issue: 1 2026

Authors Lonngj Sosa CD,González Díaz FR,Ramírez Álvarez H,Vargas Ruíz A,Muciño Hernández JL,Higuera Piedrahita RI,de la Cruz Cruz HA,Leal Hernández M,Ramírez-Rico G,Cuéllar Ordaz JA,González Ruíz C

**Synergistic Effects of Garlic Extract and Mannan-Oligosaccharide Prebiotic Supplementation on Growth Performance, Carcass Quality, Immunity, Gut Morphology and Microbiome in Broiler Chickens.**

**Veterinary medicine and science** , Volume: 12 Issue: 1 2026 Jan

Authors Khan A,Mushtaq M,Shah M,Khan RU,Alonaizan R,Naz S,Abudabos A,Israr M

**Energy-sparing effect of oregano (Origanum vulgare subsp. hirtum) essential oil and its mixtures in broilers: Improved feed efficiency via optimized intestinal health.**

**Poultry science** , Volume: 105 Issue: 3 2025 Dec 29

Authors Li X,Wang S,Zhang L,Li D,Li H,Zhang Q,Jin C,Wang J,Wang J,Han J,Liu F,Jin S,Jin L,Shi D

Optimising exercise intensity for gut health: Effect on microbiota composition, barrier integrity and inflammation in male Wistar rats.

Experimental physiology , 2025 Dec 28

Authors Sylviana N,Karisa P,Romadona NF,Megantara I

Lactocaseibacillus rhamnosus MS27 Potentially Prevents Ulcerative Colitis Through Modulation of Gut Microbiota.

International journal of molecular sciences , Volume: 26 Issue: 23 2025 Nov 25

Authors Zhang J,Shen J, Ji L,Tan P,Liu C,Zhang X, Ma X

Green Synthesis of Copper, Iron and Silver Nanoparticles from Origanum vulgare L. subsp. vulgare; Characterization, In Vitro Enzyme Inhibition, Antimicrobial Activities and In Silico Molecular Docking Studies.

Molecular biotechnology , 2025 Nov 29

Authors Aragan A,Imece A,Yigit A,Basar Y,Ertas M,Samsa CG,Ozturk D,Genç H

Unveiling the survivability of probiotic CA15 strain with and without fluconazole co-administration and its effect on gut microbiota and metabolome through SHIME® model.

Food research international (Ottawa, Ont.) , Volume: 222 Issue: Pt 2 2025 Dec

Authors Vaccalluzzo A,Celano G,Calabrese FM,Pino A,Caggia C,De Angelis M,Randazzo CL

Gut Microbiota Dysbiosis and Associated Gut Health Outcomes Among Alcohol Consumers in Musanze District of Rwanda: A Cross-Sectional Study.

The East African health research journal , Volume: 9 Issue: 1 2025

Authors Higiro C,Habyarimana T,Izere C,Yadufashije C,Niyonzima FN

Gut microbiota composition and long-term physical activity in healthy older adults at high and low performance levels.

Experimental gerontology , Volume: 212 2025 Nov 4

Authors Fiorilli G,Medoro A,Viciani E,di Cagno A,Calcagno G,Di Costanzo A,Castagnetti A,Scapagnini G,Davinelli S

[In Vitro Assessment of the Antimicrobial and Antibiofilm Efficacy of Chlorhexidine, EDTA, and NaOCl in Combination with Nisin Against Enterococcus faecalis Isolates].

Mikrobiyoloji bulteni , Volume: 59 Issue: 4 2025 Oct

Authors Abay Celkan I,Özdemir FN,Bekhedda N,Mottaghizadeh F,Akçelik N

Lactocaseibacillus rhamnosus BELR47 Mitigates Inflammatory Response in a Gardnerella vaginalis-Induced Bacterial Vaginosis Mouse Model via Gut Microbiome Modulation.

Probiotics and antimicrobial proteins , 2025 Oct 27

Authors Bae HJ, Lee DH, Choi HS, Lim HJ, Chung EC, Oh NS

Comparative analysis of dietary fiber impact on bile acid metabolism and gut microbiota composition in mice.

Npj gut and liver , Volume: 2 Issue: 1 2025

Authors Zöchling A,Séneca J,Pjevac P,Auñon-Lopez A,Zebeli Q,Pignitter M,Duszka K

Evaluating the prebiotic activity of arabinogalactan on the human gut microbiota using 16S rRNA gene sequencing and Raman-activated cell sorting.

Microbiome research reports , Volume: 4 Issue: 3 2025

Authors Rasoulimehrabani H,Khadem S,Hodžic A,Philipp M,Gallo R,Nikolov G,Séneca J,Ramesmayer J,Sivulic P,Berry D

Lactobacillus rhamnosus Ameliorates Dyslipidemia and Liver Steatosis in a Rat Model Fed High-Fat Diet.

Gastroenterology research and practice , Volume: 2025 2025

Authors Liao YT,Huang J,Lin BR,Liang JT,Huang KW

Effects of home-based exercise training on gut microbiota and possible relations with cognitive function and metabolic health in postmenopausal women with type 2 diabetes mellitus: a randomized control trial.

Diabetes research and clinical practice , Volume: 229 2025 Oct 17

Authors Vahed A,Molanouri Shamsi M,Siadat SD,Behmanesh M,Negareh R,Agh-Mohammadi S,Ebrahimi M

Antimicrobial and Nutritional Potentials of Bacillus Strains.

International journal of molecular sciences , Volume: 26 Issue: 19 2025 Sep 25

Authors Tang Y,Yu X,Guo Y,Yue R,Yuan J

The addition of encapsulated Bacillus subtilis, Enterococcus faecium, and Lactobacillus plantarum postbiotics, either alone or with inulin, improves slaughter weight, gut function, and microbiota in broilers.

BMC veterinary research , Volume: 21 Issue: 1 2025 Oct 14

Authors Atan Çirpici H,Kirkpınar F

Exercise-induced modulation of gut microbiota in individuals with obesity and type 2 diabetes: a systematic review and meta-analysis.

Frontiers in microbiology , Volume: 16 2025

Authors Lin W,Pu L,Qian X,Pan J,Cheng R,Sun P

Comparative Molecular Profiling and Bioactivity Analysis of Algerian Propolis: Antioxidant, Antibacterial Activities, and In Silico NRF2-KEAP1 Pathway Modulation.

**Current issues in molecular biology** , Volume: 47 Issue: 9 2025 Sep 15

*Authors Reguig A,Messai A,Bedaida IK,Pinto DCGA,Bensouici C,Ouamane AT,Silva AVMS,Roy JP*

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

**Carbohydrate polymers** , Volume: 369 2025 Dec 1

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

Lactobacillus plantarum and Lactobacillus brevis alleviate enterotoxigenic Escherichia coli-induced intestinal inflammation and stabilize intestinal microorganisms and serum metabolites in piglets.

**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 22 2025 Sep

*Authors Han X,Gao R,Ding S,Yao H,Fang J,Liu G*

Mango by-Product-Based High-Fiber Confectionery Attenuates Liver Steatosis and Alters Gut Microbiota in High-Fat Diet-Fed Rats.

**Molecular nutrition & food research** , 2025 Aug 30

*Authors Barbosa Y,Gaytán-Martínez M,de Los Ríos-Arellano EA,Chavez-Santoscoy RA,Hinojosa-Alvarez S,Antunes-Ricardo M,Luzardo-Ocampo I,Ramírez-Jiménez AK*

Probiotic Lactiplantibacillus plantarum Probio87 Improves Gut Microbial Profiles in HPV-Positive Women: A Randomized, Placebo-Controlled and Double-Blind Study.

**Molecular nutrition & food research** , 2025 Aug 30

*Authors Xu P,Mageswary MU,Nisaa AA,Samsudin SB,Rusdi NIBM,Jerip ARA,Oon CE,Sany SB,Tan CS,Zhu ZH,Liong MT*

Complex probiotics can reduce diarrhea by boosting immunity and balancing gut microbiota in weaned piglets.

**Frontiers in immunology** , Volume: 16 2025

*Authors Wang M,Zhou X,Hübertz Birch Hansen L,Sheng Y,Yu B,He J,Yu J,Zheng P*

Salivary pH Modulation and Antimicrobial Properties of Oregano-Oil Jelly in Relation to Menstrual and Menopausal Status.

**Nutrients** , Volume: 17 Issue: 15 2025 Jul 29

*Authors Potra Cicalau GI,Ciavoi G,Scrobota I,Venter ID,Ganea MF,Ghitea MC,Ghitea EC,Gitea MF,Ghitea TC,Nagy C,Pelea DC,Dobjanschi L,Gligor O,Moisa C,Ganea M*

Lactiplantibacillus plantarum promotes lactoferrin synthesis and secretion in bovine mammary epithelial cells through STAT3 and AP-1 transcription factor pathways.

**In vitro cellular & developmental biology. Animal** , 2025 Aug 13

*Authors Zhou J,Lian S,Geng Z,Yang Y,Wu R,Wang J*

Inactivated Bacillus subtilis R0179 Inhibits Porphyromonas Gingivalis-Induced Gingival Inflammation Via TLR2/NF- $\kappa$ B Signaling in a Murine Model of Periodontitis.

**Inflammation** , 2025 Aug 8

*Authors Zhao W, Ji L, Li J, Liu D, Zhang C, Wang X, Liu Y, Zheng S*

Antimicrobial activity of Origanum vulgare L. essential oil and its effects on fungal gene expression.

**PloS one** , Volume: 20 Issue: 8 2025

*Authors Li Y,He L,Xue Z,Liang Y,Jiang J,Wei Y,Li H,He H,Li R*

The potential of cell-free supernatants from Lactocaseibacillus paracasei B1 and Lactiplantibacillus plantarum O24 as antioxidant and antimicrobial agents.

**Food chemistry** , Volume: 492 Issue: Pt 2 2025 Jul 3

*Authors Keska P,Zielinska D,Karbowiak M,Kruk M,Lisiecka U,Stadnik J*

The antimicrobial efficacy of rutin encapsulated chitosan versus multidrug-resistant Pseudomonas aeruginosa.

**Scientific reports** , Volume: 15 Issue: 1 2025 Jul 1

*Authors Ramezani H,Sazegar H,Rouhi L*

Incorporation of Azadirachta indica kernel in the diet of guinea pigs: effects on digestibility and caecal health.

**Tropical animal health and production** , Volume: 57 Issue: 6 2025 Jun 21

*Authors Djoumessi Tobou GF,Kenfack LBM,Miégué E,Fokom DW,Kuitche HM,Kesnel ZDD,Tendonkeng F,Clerge T,Hornick JL*

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

**Molecular nutrition & food research** , 2025 Jun 11

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

Chlorhexidine-Loaded Zinc Nanoparticles: A Potent Antibacterial Agent Against Streptococcus pneumoniae.

**Current microbiology** , Volume: 82 Issue: 7 2025 May 30

*Authors Kumar R,Sharma R,Kaura S,Sethi N,Shah I,Gahlot KD*

Intake of Neutral core Human Milk Oligosaccharides (HMOs) during early life improves long-term bone quality.

**The Journal of nutritional biochemistry** , 2025 May 20

*Authors Bonnet N,Schmidt FN,Baruchet M,Migliavacca E,Ramos-Nieves M,Favre L,Brassart D,Mletzko K,Busse B,Sietse-Jan K,Horcajada MN*

**Synergistic Biocidal Effects of Curcumin, Chitosan, and Nickel Titanate-Based Nanohybrids for Enhanced Antibacterial and Anticancer Therapies.**

**ACS applied bio materials** , 2025 May 14

*Authors Jeyasingh E,Panneerselvam HM,Chandrasekaran K,Moorthy S*

**A single-cell transcriptomic atlas of all cell types in the brain of 5xFAD Alzheimer mice in response to dietary inulin supplementation.**

**BMC biology** , Volume: 23 Issue: 1 2025 May 9

*Authors Wang X,Zhang H,Wan Z,Li X,Ibáñez CF,Xie M*

**Therapeutic potential of Glycyrrhiza glabra L. extract and atorvastatin in HFD-induced MAFLD: in vitro and in vivo exploration.**

**3 Biotech** , Volume: 15 Issue: 6 2025 Jun

*Authors Rastogi S,Bachhar V,Joshi V,Kumar S,Panjwani D,Singh L,Haldhar R*

**Electrostatically assembled maghemite nanoparticles-Lactobacillus plantarum: A novel hybrid for enhanced antioxidant, antimicrobial, and antibiofilm efficacy.**

**Bioresource technology** , 2025 Apr 12

*Authors Shingade JA,Padalkar NS,Shin JH,Kim YH,Park TJ,Park JP,Patil AR*

**Chemical Characterization and Antibiotic-Enhancing Activity of the Essential Oils of Propolis of Melipona quadrifasciata quadrifasciata.**

**Plants (Basel, Switzerland)** , Volume: 14 Issue: 4 2025 Feb 14

*Authors Albuquerque ES,Paulo CLR,de Oliveira Borges JA,Gonçalves SA,Alencar GG,Ferreira do Carmo J,de Moraes Almeida AI,Santos MLD,Almeida-Bezerra JW,da Silva LE,Oliveira-Tintino CDM,Coutinho HDM*

**Analysis of Polyphenols from Polygala major Jacq.**

**Antioxidants (Basel, Switzerland)** , Volume: 14 Issue: 2 2025 Jan 27

*Authors Yilmazer Keskin S,Avci A,Arif Ali Ali L,Keskin CS*

**Correlation between daily physical activity and intestinal microbiota in perimenopausal women.**

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

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

**Carbon dioxide enhances Akkermansia muciniphila fitness and anti-obesity efficacy in high-fat diet mice.**

**The ISME journal** , 2025 Feb 23

*Authors Wang X,Yang Q,Shi C,Wang Y,Guo D,Wan X,Dong P,Zhang Q,Hu Y,Zhang R,Yang H,Chen W,Liu Z*

**The efficacy and underlying mechanisms of berberine in the treatment of recurrent Clostridioides difficile infection.**

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

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

**Comparative Evaluation of Different Mint Species Based on Their In Vitro Antioxidant and Antibacterial Effect.**

**Plants (Basel, Switzerland)** , Volume: 14 Issue: 1 2025 Jan 2

*Authors Sfaxi A,Tavaszi-Sárosi S,Flórián K,Patonay K,Radácsi P,Juhász Á*

**The Molecular Weight of Enzymatically Modified Pectic Oligosaccharides from Apple Pomace as a Determinant for Biological and Prebiotic Activity.**

**Molecules (Basel, Switzerland)** , Volume: 30 Issue: 1 2024 Dec 26

*Authors Wilkowska A,Nowak A,Motył I,Oracz J*

**Chemical Characterization and Antimicrobial Activity of Green Propolis from the Brazilian Caatinga Biome.**

**Plants (Basel, Switzerland)** , Volume: 13 Issue: 24 2024 Dec 21

*Authors Aldana-Mejía JA,Ribeiro VP,Katragunta K,Avula B,Tatapudi KK,Bastos JK,Khan IA,Meepagala K,Ross SA*

**Resveratrol and  $\beta$ -hydroxy- $\beta$ -methylbutyric acid supplementation promotes ileal development and digestive function by altering microbial community abundance and metabolites in Tibetan sheep.**

**Frontiers in veterinary science** , Volume: 11 2024

*Authors Gan J, Ji Q, Su Q, Hou S, Gui L*

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

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

*Authors Obeidat M,Haddad MA,Ghnamat SA*

**Microencapsulation of Azadirachta indica oil and Tinospora cordifolia extracts blend for single-use applications.**

**Heliyon** , Volume: 10 Issue: 20 2024 Oct 30

*Authors Khan O,Chandra Das S,Bedoura S*

**Ultrasonic depolymerization of pomegranate peel pectin: Effect of sonication time on antioxidant,  $\alpha$ -amylase inhibitory, and prebiotic properties.**

**Food chemistry: X** , Volume: 24 2024 Dec 30

*Authors Bachari S,Ghaderi-Ghahfarokhi M,Gavilighi HA,Zarei M*

**Effects of Lactiplantibacillus plantarum LM1215 on Candida albicans and Gardnerella vaginalis.**

**Yonsei medical journal** , Volume: 65 Issue: 12 2024 Dec

Authors Bae WY, Lee YJ, Jo S, Shin SL, Kim TR, Sohn M, Seol HJ

Antimicrobial Activity of *Origanum vulgare* Essential Oil against *Staphylococcus aureus* and *Escherichia coli*.

Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 11 2024 Oct 25

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

Probiotic-Loaded Bacterial Cellulose as an Alternative to Combat Carbapenem-Resistant Bacterial Infections.

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

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

Thermosensitive Injectable Dual Drug-Loaded Chitosan-Based Hydrogels for Treating Bacterial Endometritis.

ACS biomaterials science & engineering , 2024 Nov 15

Authors Wang X, Wei Z, Wu Z, Li Y, Miao C, Cao Z

Dipeptides from *Lactiplantibacillus plantarum* limit *Pseudomonas aeruginosa* pathogenesis.

Journal of applied microbiology , Volume: 135 Issue: 11 2024 Nov 4

Authors Narasimulu J, Baburajan N, Saravanan TS, Raorane CJ, Vaidyanathan VK, Ravichandran V, Rajasekharan SK

Six months of different exercise type in sedentary primary schoolchildren: impact on physical fitness and saliva microbiota composition.

Frontiers in nutrition , Volume: 11 2024

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

In-vitro and In-silico evaluation of antimicrobial and antibiofilm effect of Neem oil and Calcium hydroxide nanoparticles against Mutans Streptococci and Enterococcus faecalis isolated from endodontic infections.

Scientific reports , Volume: 14 Issue: 1 2024 Nov 2

Authors Nageeb WM, Adam SH, Hashem N, Abdelsalam N

Bifidogenic Effect of Human Milk Oligosaccharides on Pediatric IBD Fecal Microbiota.

Microorganisms , Volume: 12 Issue: 10 2024 Sep 30

Authors Otaru N, Bajic D, Van den Abbeele P, Vande Velde S, Van Biervliet S, Steinert RE, Rehman A

Oregano essential oil and *Bacillus subtilis* role in enhancing broiler's growth, stress indicators, intestinal integrity, and gene expression under high stocking density.

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

Authors Elbaz AM, El-Sonousy NK, Arafa AS, Sallam MG, Ateya A, Abdelhady AY

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

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

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

Antimicrobial Activity of Honey and Propolis from Alba County, Romania.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 10 2024 Oct 10

Authors Vica ML, Glevitzky M, Dumitrel GA, Popa M, Glevitzky I, Teodoru CA

A comprehensive update on the immunoregulatory mechanisms of *Akkermansia muciniphila*: insights into active ingredients, metabolites, and nutrient-driven modulation.

Critical reviews in food science and nutrition , 2024 Oct 16

Authors Mei L, Wang J, Hao Y, Zeng X, Yang Y, Wu Z, Ji Y

Exploring the antimicrobial efficacy of tea tree essential oil and chitosan against oral pathogens to overcome antimicrobial resistance.

Microbial pathogenesis , Volume: 196 2024 Nov

Authors Oliveira MS, Paula MSA, Cardoso MM, Silva NP, Tavares LCD, Gomes TV, Porto DL, Aragão CFS, Fabri RL, Tavares GD, Apolônio ACM

*Lactiplantibacillus plantarum* P101 Alleviated Alcohol-Induced Hepatic Lipid Accumulation in Mice via AMPK Signaling Pathway: Gut Microbiota and Metabolomics Analysis.

Probiotics and antimicrobial proteins , 2024 Oct 10

Authors Feng X, Wang M, Wen S, Hu L, Lan Y, Xu H

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

Microorganisms , Volume: 12 Issue: 9 2024 Sep 19

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

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

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

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

Mechanism of synergistic action of colistin with resveratrol and baicalin against mcr-1-positive *Escherichia coli*.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 180 2024 Nov

Authors Cheng P,Sun Y,Wang B,Liang S,Yang Y,Gui S,Zhang K,Qu S,Li L

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

Journal of agricultural and food chemistry , 2024 Sep 23

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

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

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

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

Cytotoxicity assessment and antimicrobial effects of cell-free supernatants from probiotic lactic acid bacteria and yeast against multi-drug resistant Escherichia coli.

Letters in applied microbiology , Volume: 77 Issue: 9 2024 Sep 2

Authors Ozma MA,Ghotaslou R,Asgharzadeh M,Abbasi A,Rezaee MA,Kafil HS

Evaluation of efficacy and safety of Lactacaseibacillus rhamnosus LRa05 in the eradication of Helicobacter pylori: a randomized, double-blind, placebo-controlled trial.

Frontiers in immunology , Volume: 15 2024

Authors Niu Y,Li J,Qian H,Liang C,Shi X,Bu S

In Vitro and In Silico Studies of the Antimicrobial Activity of Prenylated Phenylpropanoids of Green Propolis and Their Derivatives against Oral Bacteria.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 8 2024 Aug 22

Authors Vieira TM,Barco JG,de Souza SL,Santos ALO,Daoud I,Rahali S,Amdouni N,Bastos JK,Martins CHG,Ben Said R,Crotti AEM

Examination of sex-specific interactions between gut microbiota and host metabolism after 12-week combined polyphenol supplementation in individuals with overweight or obesity.

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

Authors Jardon KM,Goossens GH,Most J,Galazzo G,Venema K,Penders J,Blaak EE

Propolis as a functional food and promising agent for oral health and microbiota balance: A review study.

Food science & nutrition , Volume: 12 Issue: 8 2024 Aug

Authors Etebarian A,Alhouei B,Mohammadi-Nasrabadi F,Esfarjani F

Lactobacillus plantarum LPYC225 mixture partially modulates the vaginal bacterial community of Gardnerella vaginalis-infected bacterial vaginosis in mice.

Food science and biotechnology , Volume: 33 Issue: 9 2024 Jul

Authors Kim HJ,Kim DG,Kang SH,Choi H,Go SW,Kim DK,Myung JH,Park JH,Soh JR,Kim SK,Hong SW,Kang M,Park ES,Park I,Kang J,Kwon HJ,Jin JS

Characterization and antioxidant activity of nano-formulated berberine and cyperus rotundus extracts with anti-inflammatory effects in mastitis-induced rats.

Scientific reports , Volume: 14 Issue: 1 2024 Aug 9

Authors Hashem AE,Elmasry IH,Lebda MA,El-Karim DRSG,Hagar M,Ebied SKM,Alotaibi BS,Rizk NI,Ghamry HI,Shukry M,Edres HA

Preventive effects of probiotics on dental caries in vitro and in vivo.

BMC oral health , Volume: 24 Issue: 1 2024 Aug 8

Authors Zhang J,Wang Q,Duan Z

In Vitro Antimicrobial Potential of Portuguese Propolis Extracts from Gerês against Pathogenic Microorganisms.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 7 2024 Jul 16

Authors Oliveira RD,Araújo C,Almeida-Aguiar C

Postbiotic mediators derived from Lactobacillus species enhance riboflavin-mediated antimicrobial photodynamic therapy for eradication of Streptococcus mutans planktonic and biofilm growth.

BMC oral health , Volume: 24 Issue: 1 2024 Jul 24

Authors Pourhajbagher M,Ghafari HA,Bahador A

Berberine hydrochloride alleviates chronic prostatitis/chronic pelvic pain syndrome by modifying gut microbiome signaling.

Asian journal of andrology , 2024 Jul 16

Authors Tian YQ,Ren X,Wang J,Li X,Yin YS,Guo ZH,Qin ZL,Zeng XY

Regulations of Citrus Pectin Oligosaccharide on Cholesterol Metabolism: Insights from Integrative Analysis of Gut Microbiota and Metabolites.

Nutrients , Volume: 16 Issue: 13 2024 Jun 24

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

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

Biopolymers , Volume: 115 Issue: 6 2024 Nov

*Authors Khodaparast FK,Pirsa S,Toupchi FM,Mohtarami F*

Melatonin-loaded mesoporous zinc- and gallium-doped hydroxyapatite nanoparticles to control infection and bone repair.

**Biomaterials science** , Volume: 12 Issue: 16 2024 Aug 6

*Authors Shokri M,Kharaziha M,Ahmadi Tafti H,Dalili F,Mehdinavaz Aghdam R,Ghiassi SR,Baghaban Eslaminejad M*

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

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

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

Cell-Free Supernatant of Bacillus subtilis G2B9-Q Improves Intestinal Health and Modulates Immune Response to Promote Mouse Recovery in Clostridium perfringens Infection.

**Current microbiology** , Volume: 81 Issue: 8 2024 Jun 27

*Authors Xu Z,Feng X,Song Z,Li X,Li K,Li M,Wang X,Liu B,Sun C*

The Effects of Almond Consumption on Cardiovascular Health and Gut Microbiome: A Comprehensive Review.

**Nutrients** , Volume: 16 Issue: 12 2024 Jun 20

*Authors Singar S,Kadyan S,Patoine C,Park G,Arjmandi B,Nagpal R*

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

**Nutrients** , Volume: 16 Issue: 12 2024 Jun 14

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

3D printed scaffolds with quercetin and vitamin D3 nanocarriers: In vitro cellular evaluation.

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

*Authors Bose S,Chaudhari VS,Kushram P*

Associations between specific dietary patterns, gut microbiome composition, and incident subthreshold depression in Chinese young adults.

**Journal of advanced research** , Volume: 65 2024 Nov

*Authors Jiang X,Wang X,Zhang M,Yu L,He J,Wu S,Yan J,Zheng Y,Zhou Y,Chen Y*