

Microbiome Information for: rheumatoid arthritis (RA),Spondyloarthritis (SpA)

For prescribing Medical professionals Review

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

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

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

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

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

In the USA

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

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

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

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of rheumatoid arthritis (RA),Spondyloarthritis (SpA)

Nota Bena: Many studies are done with a small sample size or mixtures of condition subsets which can greatly diminish the ability to detect bacteria shifts.

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Actinomycetes	class	High	1760				
Verrucomicrobiae	class	High	203494	Klebsiella	genus	High	570
Ackermannviridae	family	High	2169529	Lachnoclostridium	genus	Low	1506553
Autographiviridae	family	High	2731643	Lachnospira	genus	High	28050
Bacteroidaceae	family	High	815	Lactobacillus	genus	Low	1578
Barnesiellaceae	family	Low	2005519	Lactococcus	genus	Low	1357
Bifidobacteriaceae	family	High	31953	Megamonas	genus	Low	158846
Chaseviridae	family	High	2731689	Methanobrevibacter	genus	High	2172
Deferribacteraceae	family	High	191394	Mucispirillum	genus	High	248038
Demereciviridae	family	Low	2731690	Mycobacterium	genus	High	1763
Desulfovibrionaceae	family	High	194924	Odoribacter	genus	Low	283168
Drexleriviridae	family	Low	2731691	Oscillibacter	genus	High	459786
Enterobacteriaceae	family	High	543	Oscillospira	genus	High	119852
Enterococcaceae	family	Low	81852	Oxalobacter	genus	High	846
Gracilibacteraceae	family	High	541019	Oxobacter	genus	High	44261
Helicobacteraceae	family	High	72293	Parabacteroides	genus	High	375288
Herelleviridae	family	High	2560065	Parvimonas	genus	High	543311
Lachnospiraceae	family	High	186803	Pelagibacterium	genus	High	1082930
Lactobacillaceae	family	Low	33958	Peptococcus	genus	High	2740
Myoviridae	family	High	10662	Porphyromonas	genus	High	836
Oscillospiraceae	family	High	216572	Prevotella	genus	High	838
Peptococcaceae	family	High	186807	Proteus	genus	High	583
phages with long non-contractile tails	family	Low	10699	Pseudobutyrvibrio	genus	Low	46205
Planococcaceae	family	High	186818	Pseudomonas	genus	High	286
Prevotellaceae	family	High	171552	Pyramidobacter	genus	High	638847
Streptococcaceae	family	Low	1300	Romboutsia	genus	Low	1501226
Veillonellaceae	family	High	31977	Roseburia	genus	Low	841
Abssiella	genus	High	2057233	Ruminococcus	genus	High	1263
Acidaminococcus	genus	Low	904	Shigella	genus	High	620
Actinomyces	genus	High	1654	Slackia	genus	High	84108
Akkermansia	genus	High	239934	Solobacterium	genus	High	123375
Alistipes	genus	Low	239759	Staphylococcus	genus	High	1279
Allobaculum	genus	High	174708	Streptococcus	genus	High	1301
Alloprevotella	genus	Low	1283313	Subdoligranulum	genus	High	292632
Aspergillus	genus	High	5052	Trichosporon	genus	Low	5552
Bacteroides	genus	High	816	Turicibacter	genus	High	191303
Bilophila	genus	High	35832	Veillonella	genus	Low	29465
Blautia	genus	High	572511	Wallemia	genus	High	148959
Butyricoccus	genus	High	580596	Eubacteriales	order	High	186802
				Hypocreales	order	High	5125
				Lactobacillales	order	High	186826
				Malasseziales	order	Low	162474

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Butyrivibrio	genus	High	830	[Clostridium] leptum	species	Low	1535
Candida	genus	High	5475	[Clostridium] scindens	species	High	29347
Citrobacter	genus	High	544	[Ruminococcus] gnavus	species	High	33038
Clostridium	genus	Low	1485	Actinomyces oris	species	High	544580
Coprococcus	genus	High	33042	Aggregatibacter			
Desulfovibrio	genus	High	872	actinomycetemcomitans	species	High	714
Eggerthella	genus	High	84111	Bacteroides fragilis	species	Low	817
Eisenbergiella	genus	High	1432051	Blautia coccoides	species	Low	1532
Enterobacter	genus	Low	547	Collinsella aerofaciens	species	High	74426
Enterococcus	genus	High	1350	Faecalibacterium prausnitzii	species	Low	853
Escherichia	genus	High	561	Fusobacterium nucleatum	species	High	851
Eubacterium	genus	Low	1730	Ligilactobacillus salivarius	species	High	1624
Faecalibacterium	genus	Low	216851	Limosilactobacillus reuteri	species	Low	1598
Flexispira	genus	High	2353	Mycoplasmopsis fermentans	species	High	2115
Fusobacterium	genus	Low	848	Porphyromonas gingivalis	species	High	837
Gemella	genus	Low	1378	Prevotella histicola	species	Low	470565
Gordonibacter	genus	High	644652	Segatella copri	species	High	165179
Gracilibacter	genus	High	342658	Pseudomonas aeruginosa group	species group	High	136841
Haemophilus	genus	Low	724	Stenotrophomonas maltophilia group	species group	High	995085
Helicobacter	genus	High	209	Porphyromonas gingivalis ATCC 33277	strain	High	431947

Substance to Consider Adding or Taking

These are the most significant substances that are likely to improve the microbiome dysfunction. Dosages are based on the dosages used in clinical studies. For more information see: <https://microbiomeprescription.com/library/dosages>. These are provided as examples only

Colors indicates the type of substance: i.e. probiotics and prebiotics, herbs and spices, etc. There is no further meaning to them.

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

Apigenin

arabinogalactan (prebiotic) 21 gram/day

bacillus licheniformis,(probiotics) 1000 mg/day

bacillus subtilis (probiotics) 10 BCFU/day

berberine 1.5 gram/day

bifidobacterium longum (probiotics) 10 BCFU/day

bile (acid/salts)

Bile Acid Sequestrant

Bofutsushosan

cellulose (prebiotic)

chestnut tannins

cranberry bean flour

fasting

high salt

inulin (prebiotic) 32 gram/day

iron 400 mg/day

ketogenic diet

low protein diet

metformin (prescription)

navy bean

non-starch polysaccharides

oligosaccharides (prebiotic)

Olive Oil

pea (fiber, protein)

Pulses

Pumpkin

quebracho

red wine 250 ml/day

resistant starch

saccharin 450 mg/day

saccharomyces boulardii (probiotics) 6 BCFU/day

salt (sodium chloride)

wheat

wheat bran

Xanthohumol

xylan (prebiotic)

Retail Probiotics

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

probiotic pur (de) / realdose nutrition
 Realdose
 Global Healing Center / FloraTrex
 nature's way (au) / restore probiotic bowel & colon health 30s
 microbiome labs/ megasporebiotic
 Energybalance / ColoBiotica 28 Colon Support
 Ombre / Metabolic Booster
 nature's instincts / ultra spore probiotic
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion
 Swiss BioEnergetics / Full Spectrum Probiotic Defence
 Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
 theramedix / probiotic
 microbiome labs / restorflora
 garden of life / primal defense
 Physician Choice /60 Billion Probiotics
 Bromatech (IT) / Serobiome
 corebiotic
 blackmores (au) / probiotics+ immune defence
 SuperSmart / Oral Health
 Ombre / Healthy Gut
 PharmExtracta (IT) / Gliadines buccal stickpacks
 1 md / complete probiotics platinum
 OMNI-BIOTIC®/ 10 AAD
 Ombre / Harmony
 young living/life 9
 mwsb / candida yeast support
 enviromedica terraflores sbo probiotic
 Microbiome Labs / ZENBIOME Dual
 canada (ca) / calmbiotic
 Jetson (US) / Mood Probiotics
 Ombre / Heart Health
 claire labs / ther-biotic factor 4
 InnovixLabs / Mood Probiotic
 seed / female version
 spain (es) / ultralevura
 PoolPharma (IT) / ProbioTKMIO
 Wakunaga / 50+
 organic 3 / yeastbiotic
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
 CVSHHealth / Daily Probiotic
 jamieson (can) / probiotic 10 bcfu
 Bromatech (IT) / Lautoselle
 Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains
 renew life men's probiotic - ultimate
 SuperSmart / Full Spectrum Probiotic Formula
 Align / Align® Chewables
 Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
 custom probiotics / d-lactate free probiotics powder
 naturopathica (au) / gastrohealth fibrepro
 philips / colon health
 blackmore (au) / probiotics+ eczema relief
 imagilin / NutriLots Replenish
 quantum wellness / restora flora
 Probiotic 10 Billion Active Cells Daily Maintenance

Ombre / Endless Energy
Jetson / FIT
Seeking Health / Probiota HistaminX
bravo europe / starter and complex
optibac / for every day
Prescript-Assist®/SBO Probiotic
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
vita miracle / ultra-30 probiotics
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
optibac / saccharomyces boulardii
Bromatech (IT) / Bifiselle
Northwest Natural Products / PBB
wakamoto (jp) / wakamoto pharmaceutical intestinal drug
custom probiotics / five strain bifidobacteria
Smidge / Sensitive Probiotic
Krauterhaus / Lactopro
LiveWell Nutrition / Pro-45
spain (es) / vivomixx
Advanced Bio-Cultures / Advance Multi Strain Probiotics
Seeking Health / Probiota Bifidobacterium
INVIVO THERAPEUTICS / Bio.Me IB +
elixa / probiotic
align / align
bioray / cytoflora
renew life / ultimate flora
up4 / ultra
jarrow formulas / bifidus balance® + fos
Bromatech (IT) / Enterelle
newrhythm / probiotics 20 stains
blackmores (au) / probiotics + adults daily (90 capsules)
Lake Avenue Nutrition / Probiotics 10 Strain Blend
Metabolics / Bifidobacterium Longum Powder
ASEA VIA / BIOME
Wholesome Wellness / Raw Probiotic
aor / probiotic-3
vitamin angels / just thrive
nature's way (au) / restore probiotic daily health 90s
HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
udo's choice / super 8 gold
ProbioMax® Daily DF
organic 3 / primal soil
Align® Extra Strength
SuperSmart / Bacillus Subtilis
bioglan bio (au) / happy probiotic 100
HLH BIOPHARMA(DE) / LACTOBACT ® AAD
Maple Life Science™ / Bifidobacterium longum
Bromatech (IT) / Rotanelle plus
fürstenmed / lacto-bifido
Schwabe Pharma Italia / MegaStress
SuperSmart / Lactoxira
douglas laboratories / multi probiotic 40 billion
Ombre / Mood Enhancer
florastor / florastor
BIO-BOTANICAL RESEARCH / Megacidin
reserveage nutrition / beautiflora
amy meyers / primal earth probiotic
PrecisionBiotics / Zenflora

PharmExtracta / Bowell
Jetson / Gut Prep
up4 / adult
Wakunaga / Daily Probiotic
organic 3 / gutpro
NOW FOODS / Clinical GI Probiotic
PrecisionBiotics / Immune
hyperbiotics / pro-15
Genesis Bifidobacterium Complex BB Probiotic
nature's way (au) / restore probiotic 100 billion
seed / male version
solaray / microbiome probiotic colon formula
lifted naturals / mood boosting probiotic
cytoplan(uk) / dentavital bifidophilus
CustomProbiotics.com / B. Longum Probiotic Powder
powerlabs (au) / ultra blend
global health trax / threelac
nature's way (au) / restore probiotic 30 billion 30s
spain (es) / axiboulardi
Law of Nature / Best Days Formula
Wakunaga / Pro+ Synbiotic
organic 3 / primal gut
naturopathica (au) / gastrohealth probiotic daily care
Physis / Advance Probiotics
bio-botanical research / proflo4r restorative probiotic
blackmore (au) / probiotics+ daily health
Eden's / 3-in-1 Synbiotic Superblend
Dr. Mercola / Complete Probiotics
Garden of Life / Dr. Formulated Once Daily Women's
Wakunaga / Max Probiotic
jarrow formulas / jarro-dophilus mood
SuperSmart / Saccharomyces Boulardii
MegaFood / MegaFlora
microbiome labs / hu58
blackmore (au) / probiotics+ bowel support
Schwabe Pharma Italia / AxiBoulardi
perfect pass / perfect pass probiotic bacillus spore
Probiotic Sticks
Sanogermina / AB-Kolicare
klair labs / biospora
Bromatech / ENTERELLE PLUS
Bioflora(MX) / Woman
fairvital / microflora basic
visbiome
naturopathica (au) / gastrohealth probiotic adults 50+

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

Substance to Consider Reducing or Eliminating

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

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

amikacin (antibiotic)s	erythromycin (antibiotic)s[CFS]
amoxicillin (antibiotic)s[CFS]	fluoroquinolone (antibiotic)s
ampicillin (antibiotic)s[CFS]	gentamicin (antibiotic)s
azithromycin,(antibiotic)s[CFS]	imipenem (antibiotic)s
benzylpenicillin sodium (antibiotic)	meropenem (antibiotic)s
cefotaxime sodium salt (antibiotic)	metronidazole (antibiotic)s[CFS]
ceftazidime (antibiotic)s	oregano (organum vulgare, oil)
chloramphenicol (antibiotic)s	piperacillin-tazobactam (antibiotic)s
cinnamon (oil. spice)	resveratrol (grape seed/polyphenols/red wine)
ciprofloxacin (antibiotic)s[CFS]	rifaximin (antibiotic)s
clarithromycin (antibiotic)s[CFS]	thyme (thymol, thyme oil)
clindamycin (antibiotic)s[CFS]	tobramycin (antibiotic)s
doxycycline (antibiotic)s[CFS]	trimethoprim (antibiotic)s
	vancomycin (antibiotic)[CFS]

Sample of Literature Used

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

[The potential pathogenic role of gut microbiota in rheumatic diseases: a human-centred narrative review.](#)

Internal and emergency medicine , 2023 Dec 23

Authors Bixio R,Bertelle D,Bertoldo E,Morciano A,Rossini M

[Fusobacterium nucleatum aggravates rheumatoid arthritis through FadA-containing outer membrane vesicles.](#)

Cell host & microbe , 2023 Apr 5

Authors Hong M,Li Z,Liu H,Zheng S,Zhang F,Zhu J,Shi H,Ye H,Chou Z,Gao L,Diao J,Zhang Y,Zhang D,Chen S,Zhou H,Li J

[Dysbiosis of the Gut Microbiota and Kynurenine \(Kyn\) Pathway Activity as Potential Biomarkers in Patients with Major Depressive Disorder.](#)

Nutrients , Volume: 15 Issue: 7 2023 Apr 3

Authors Lin P,Li D,Shi Y,Li Q,Guo X,Dong K,Chen Q,Lou X,Li Z,Li P,Jin W,Chen S,Sun Y,Sun J,Cheng X

[Gut microbiota in pre-clinical rheumatoid arthritis: From pathogenesis to preventing progression.](#)

Journal of autoimmunity , 2023 Mar 15

Authors Lin L,Zhang K,Xiong Q,Zhang J,Cai B,Huang Z,Yang B,Wei B,Chen J,Niu Q

[Gut bacteriome, mycobiome and virome alterations in rheumatoid arthritis.](#)

Frontiers in endocrinology , Volume: 13 2022

Authors Dagar S,Singh J,Saini A,Kumar Y,Chhabra S,Minz RW,Rani L

[Subdoligranulum chews up joints: how a gut pathobiont can instigate arthritis.](#)

Trends in immunology , Volume: 44 Issue: 1 2023 Jan

Authors Kriegel MA

[Clonal IgA and IgG autoantibodies from individuals at risk for rheumatoid arthritis identify an arthritogenic strain of Subdoligranulum.](#)

Science translational medicine , Volume: 14 Issue: 668 2022 Oct 26

Authors Chriswell ME,Lefferts AR,Clay MR,Hsu AR,Seifert J,Feser ML,Rims C,Bloom MS,Bemis EA,Liu S,Maerz MD,Frank DN,Demoruelle MK,Deane KD,James EA,Buckner JH,Robinson WH,Holers VM,Kuhn KA

[Porphyromonas gingivalis induces periodontitis, causes immune imbalance, and promotes rheumatoid arthritis.](#)

Journal of leukocyte biology , 2021 May 31

Authors Zhou N,Zou F,Cheng X,Huang Y,Zou H,Niu Q,Qiu Y,Shan F,Luo A,Teng W,Sun J

[Identification of Novel, Immunogenic HLA-DR-Presented Prevotella copri Peptides in Patients with Rheumatoid Arthritis: Patients with Rheumatoid Arthritis.](#)

Arthritis & rheumatology (Hoboken, N.J.) , 2021 May 27

Authors Pianta A,Chiumento G,Ramsden K,Wang Q,Strle K,Arvikar S,Costello CE,Steere AC

[Interplay of Microbiota and Citrullination in the Immunopathogenesis of Rheumatoid Arthritis.](#)

Probiotics and antimicrobial proteins , 2021 May 25

Authors Alghamdi MA,Redwan EM

[Self-Balance of Intestinal Flora in Spouses of Patients With Rheumatoid Arthritis.](#)

Frontiers in medicine , Volume: 7 2020

Authors Liu Z,Wu Y,Luo Y,Wei S,Lu C,Zhou Y,Wang J,Miao T,Lin H,Zhao Y,Liu Q,Liu Y

[The Gut Microbiota and Its Relevance to Peripheral Lymphocyte Subpopulations and Cytokines in Patients with Rheumatoid Arthritis.](#)

Journal of immunology research , Volume: 2021 2021

Authors Li Y,Zhang SX,Yin XF,Zhang MX,Qiao J,Xin XH,Chang MJ,Gao C,Li YF,Li XF

[Regional Differences in the Gut Microbiota and Gut-Associated Immunologic Factors in the Ileum and Cecum of Rats With Collagen-Induced Arthritis.](#)

Frontiers in pharmacology , Volume: 11 2020

Authors Xu H,Cao J,Li X,Lu X,Xia Y,Fan D,Zhao H,Ju D,Xiao C

[Associations between gut microbiota and genetic risk for rheumatoid arthritis in the absence of disease: a cross-sectional study.](#)

The Lancet. Rheumatology , Volume: 2 Issue: 7 2020 Jul

Authors Wells PM,Adebayo AS,Bowyer RCE,Freidin MB,Finckh A,Strowig T,Lesker TR,Alpizar-Rodriguez D,Gilbert B,Kirkham B,Cope AP,Steves CJ,Williams FMK

[Characteristics of Gut Microbiota in Patients With Rheumatoid Arthritis in Shanghai, China.](#)

Frontiers in cellular and infection microbiology , Volume: 9 2019

Authors Sun Y,Chen Q,Lin P,Xu R,He D, Ji W,Bian Y,Shen Y,Li Q,Liu C,Dong K,Tang YW,Pei Z,Yang L,Lu H,Guo X,Xiao L

[Gut microbiome in chronic rheumatic and inflammatory bowel diseases: Similarities and differences.](#)

- United European gastroenterology journal** , Volume: 7 Issue: 8 2019 Oct
 Authors Salem F,Kindt N,Marchesi JR,Netter P,Lopez A,Kokten T,Danese S,Jouzeau JY,Peyrin-Biroulet L,Moulin D
[An Association of Gut Microbiota with Different Phenotypes in Chinese Patients with Rheumatoid Arthritis.](#)
- Journal of clinical medicine** , Volume: 8 Issue: 11 2019 Oct 24
 Authors Chiang HI,Li JR,Liu CC,Liu PY,Chen HH,Chen YM,Lan JL,Chen DY
[Oral-Gut Microbiota and Arthritis: Is There an Evidence-Based Axis?](#)
- Journal of clinical medicine** , Volume: 8 Issue: 10 2019 Oct 22
 Authors Lorenzo D,GianVincenzo Z,Carlo Luca R,Karan G,Jorge V,Roberto M,Javad P
[Detection of Increased Relative Expression Units of *Bacteroides* and *Prevotella*, and Decreased *Clostridium leptum* in Stool Samples from Brazilian Rheumatoid Arthritis Patients: A Pilot Study.](#)
- Microorganisms** , Volume: 7 Issue: 10 2019 Oct 1
 Authors Rodrigues GSP,Cayres LCF,Gonçalves FP,Takaoka NNC,Lengert AH,Tansini A,Brisotti JL,Sasdelli CBG,Oliveira GLV
[Marked deterioration in rheumatoid arthritis associated bronchiectasis following treatment with Rituximab.](#)
- Respiratory medicine case reports** , Volume: 28 2019
 Authors Musameh K,Campbell CD,Rutherford RM
[A Metagenomic Meta-analysis Reveals Functional Signatures of Health and Disease in the Human Gut Microbiome.](#)
- mSystems** , Volume: 4 Issue: 4 2019 Jul-Aug
 Authors Armour CR,Nayfach S,Pollard KS,Sharpton TJ
[Rheumatoid Arthritis-Associated Autoimmunity Due to *Aggregatibacter actinomycetemcomitans* and Its Resolution With Antibiotic Therapy.](#)
- Frontiers in immunology** , Volume: 9 2018
 Authors Mukherjee A,Jantsch V,Khan R,Hartung W,Fischer R,Jantsch J,Ehrenstein B,Konig MF,Andrade F
[Analysis of Gut Microbiota in Rheumatoid Arthritis Patients: Disease-Related Dysbiosis and Modifications Induced by Etanercept.](#)
- International journal of molecular sciences** , Volume: 19 Issue: 10 2018 Sep 27
 Authors Picchianti-Diamanti A,Panebianco C,Salemi S,Sorgi ML,Di Rosa R,Tropea A,Sgrulletti M,Salerno G,Terracciano F,D`Amelio R,Laganà B,Pazienza V
[Low body mass index and lymphocytopenia associate with *Mycobacterium avium* complex pulmonary disease in patients with rheumatoid arthritis.](#)
- Modern rheumatology** , Volume: 29 Issue: 1 2019 Jan
 Authors Hirose W,Harigai M,Uchiyama T,Itoh K,Ishizuka T,Matsumoto M,Nanki T
[\[Microbiota and inflammatory rheumatisms\].](#)
- Revue medicale suisse** , Volume: 14 Issue: 597 2018 Mar 7
 Authors Jarlborg M,Alpizar-Rodríguez D,Baillet A,Finckh A
[Faecal microbiota study reveals specific dysbiosis in spondyloarthritis.](#)
- Annals of the rheumatic diseases** , Volume: 76 Issue: 9 2017 Sep
 Authors Breban M,Tap J,Leboime A,Said-Nahal R,Langella P,Chiocchia G,Furet JP,Sokol H
[Role of Gut Microbiota in Rheumatoid Arthritis.](#)
- Journal of clinical medicine** , Volume: 6 Issue: 6 2017 Jun 9
 Authors Maeda Y,Takeda K
[Evidence of the Immune Relevance of *Prevotella copri*, a Gut Microbe, in Patients With Rheumatoid Arthritis.](#)
- Arthritis & rheumatology (Hoboken, N.J.)** , Volume: 69 Issue: 5 2017 May
 Authors Pianta A,Arvikar S,Strle K,Drouin EE,Wang Q,Costello CE,Steere AC
[Alteration of Fecal Microbiota Profiles in Juvenile Idiopathic Arthritis. Associations with HLA-B27 Allele and Disease Status.](#)
- Frontiers in microbiology** , Volume: 7 2016
 Authors Di Paola M,Cavaliere D,Albanese D,Sordo M,Pindo M,Donati C,Pagnini I,Giani T,Simonini G,Paladini A,Lionetti P,De Filippo C,Cimaz R
[The Microbiome: a Revolution in Treatment for Rheumatic Diseases?](#)
- Current rheumatology reports** , Volume: 18 Issue: 10 2016 Oct
 Authors Rosenbaum JT,Asquith MJ
[Role of the Gut Microbiome in Modulating Arthritis Progression in Mice.](#)
- Scientific reports** , Volume: 6 2016 Aug 2
 Authors Liu X,Zeng B,Zhang J,Li W,Mou F,Wang H,Zou Q,Zhong B,Wu L,Wei H,Fang Y
[An expansion of rare lineage intestinal microbes characterizes rheumatoid arthritis.](#)
- Genome medicine** , Volume: 8 Issue: 1 2016 Apr 21
 Authors Chen J,Wright K,Davis JM,Jeraldo P,Marietta EV,Murray J,Nelson H,Matteson EL,Taneja V
[\[THE USE OF PROBIOTICS IN PATIENTS WITH RHEUMATOID ARTHRITIS\].](#)
- Likars`ka sprava** , Issue: 12 2014 Dec

Authors Kuchmak OB,Klymnyuk SI,Romanyuk LB,Pokryshko OV

[Does the buck stop with the bugs?: an overview of microbial dysbiosis in rheumatoid arthritis.](#)

International journal of rheumatic diseases , Volume: 19 Issue: 1 2016 Jan

Authors Sandhya P,Danda D,Sharma D,Scaria V

[The oral and gut microbiomes are perturbed in rheumatoid arthritis and partly normalized after treatment.](#)

Nature medicine , Volume: 21 Issue: 8 2015 Aug

Authors Zhang X,Zhang D,Jia H,Feng Q,Wang D,Liang D,Wu X,Li J,Tang L,Li Y,Lan Z,Chen B,Li Y,Zhong H,Xie H,Jie Z,Chen W,Tang S,Xu X,Wang X,Cai X,Liu S,Xia Y,Li J,Qiao X,Al-Aama JY,Chen H,Wang L,Wu QJ,Zhang F,Zheng W,Li Y,Zhang M,Luo G,Xue W,Xiao L,Li J,Chen W,Xu X,Yin Y,Yang H,Wang J,Kristiansen K,Liu L,Li T,Huang Q,Li Y,Wang J

[The metabolizable energy of dietary resistant maltodextrin is variable and alters fecal microbiota composition in adult men.](#)

The Journal of nutrition , Volume: 144 Issue: 7 2014 Jul

Authors Baer DJ,Stote KS,Henderson T,Paul DR,Okuma K,Tagami H,Kanahori S,Gordon DT,Rumpler WW,Ukhanova M,Culpepper T,Wang X,Mai V

[Mycoplasma fermentans, but not M penetrans, detected by PCR assays in synovium from patients with rheumatoid arthritis and other rheumatic disorders.](#)

Journal of clinical pathology , Volume: 49 Issue: 10 1996 Oct

Authors Schaevebeke T,Gilroy CB,Bébéar C,Dehais J,Taylor-Robinson D

[sRAGE-binding and antimicrobial bioactivities of soy and pea protein after heating and in vitro infant digestion.](#)

Food research international (Ottawa, Ont.) , Volume: 183 2024 May

Authors Tang J,Teodorowicz M,Boeren S,Wichers HJ,Hettinga KA

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

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

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

[Resveratrol Improves Hyperuricemia and Ameliorates Renal Injury by Modulating the Gut Microbiota.](#)

Nutrients , Volume: 16 Issue: 7 2024 Apr 7

Authors Zhou Y,Zeng Y,Wang R,Pang J,Wang X,Pan Z,Jin Y,Chen Y,Yang Y,Ling W

[Protective effect of cellulose and soluble dietary fiber from Saccharina japonica by-products on regulating inflammatory responses, gut microbiota, and SCFAs production in colitis mice.](#)

International journal of biological macromolecules , 2024 Apr 3

Authors Cao J,Qin L,Zhang L,Wang K,Yao M,Qu C,Miao J

[Gut Microbiota and Inflammation Modulation in a Rat Model for Ulcerative Colitis after the Intraperitoneal Administration of Apigenin, Luteolin, and Xanthohumol.](#)

International journal of molecular sciences , Volume: 25 Issue: 6 2024 Mar 12

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

[Diet Mediate the Impact of Host Habitat on Gut Microbiome and Influence Clinical Indexes by Modulating Gut Microbes and Serum Metabolites.](#)

Advanced science (Weinheim, Baden-Wurtemberg, Germany) , 2024 Mar 13

Authors Zhang J,Qi H,Li M,Wang Z,Jia X,Sun T,Du S,Su C,Zhi M,Du W,Ouyang Y,Wang P,Huang F,Jiang H,Li L,Bai J,Wei Y,Zhang X,Wang H,Zhang B,Feng Q

[Gut enterotype-dependent modulation of gut microbiota and their metabolism in response to xanthohumol supplementation in healthy adults.](#)

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

Authors Jamieson PE,Smart EB,Bouranis JA,Choi J,Danczak RE,Wong CP,Paraiso IL,Maier CS,Ho E,Sharpton TJ,Metz TO,Bradley R,Stevens JF

[Berberine Protects against High-Energy and Low-Protein Diet-Induced Hepatic Steatosis: Modulation of Gut Microbiota and Bile Acid Metabolism in Laying Hens.](#)

International journal of molecular sciences , Volume: 24 Issue: 24 2023 Dec 9

Authors Wang C,Yang Y,Chen J,Dai X,Xing C,Zhang C,Cao H,Guo X,Hu G,Zhuang Y

[Xylooligosaccharides produced from sugarcane leaf arabinoxylan using xylanase from Aureobasidium pullulans NRRL 58523 and its prebiotic activity toward Lactobacillus spp.](#)

Heliyon , Volume: 9 Issue: 11 2023 Nov

Authors Nongkhai SN,Piemthongkham P,Bankeeree W,Punnapayak H,Lotrakul P,Prasongsuk S

[Effects of Low Protein Diet on Production Performance and Intestinal Microbial Composition in Pigs.](#)

Veterinary sciences , Volume: 10 Issue: 11 2023 Nov 14

Authors Wang D,Chen G,Li W,Chai M,Zhang H,Su Y

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

Nutrients , Volume: 15 Issue: 21 2023 Oct 27

Authors El-Ansary A,Al-Ayadhi L

Dietary Galactooligosaccharides Supplementation as a Gut Microbiota-Regulating Approach to Lower Early Life Arsenic Exposure.

Environmental science & technology , 2023 Nov 9

Authors Zhang YS,Juhasz AL,Xi JF,Ma LQ,Zhou D,Li HB

Bifidobacterium longum subsp. longum BL21 Ameliorates Alcoholic Liver Disease in Mice Through Enhancement of the Hepatic Antioxidant Capacity and Modulation of the Gut Microbiota.

Journal of applied microbiology , 2023 Oct 31

Authors Dong Y,Wu Z,Gai Z,Han M

Apigenin attenuates visceral hypersensitivity in water avoidance stress rats by modulating the microbiota-gut-brain axis and inhibiting mast cell activation.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 167 2023 Nov

Authors Xia Y,Peng S,Lin M,Duan H,Yuan F,Shao M,Tan W,Luo H

Dietary food patterns as determinants of the gut microbiome-endocannabinoidome axis in humans.

Scientific reports , Volume: 13 Issue: 1 2023 Sep 21

Authors Castonguay-Paradis S,Perron J,Flamand N,Lamarche B,Raymond F,Di Marzo V,Veilleux A

Longitudinal effects of oral administration of antimicrobial drugs on fecal microbiota of horses.

Journal of veterinary internal medicine , 2023 Sep 8

Authors Gomez D,Toribio R,Caddeley B,Costa M,Vijan S,Dembek K

Resveratrol alleviates DSS-induced IBD in mice by regulating the intestinal microbiota-macrophage-arginine metabolism axis.

European journal of medical research , Volume: 28 Issue: 1 2023 Sep 2

Authors Xu X,Ocansey DKW,Pei B,Zhang Y,Wang N,Wang Z,Mao F

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

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

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

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G,Zhang L

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

Phase Inversion-Based Doxycycline Hyclate-Incorporated Borneol In Situ Gel for Periodontitis Treatment.

Gels (Basel, Switzerland) , Volume: 9 Issue: 7 2023 Jul 7

Authors Lertsuphotvanit N,Tuntarawongsa S,Chantadee T,Phaechamud T

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

Manipulating Microbiota in Inflammatory Bowel Disease Treatment: Clinical and Natural Product Interventions Explored.

International journal of molecular sciences , Volume: 24 Issue: 13 2023 Jul 2

Authors Zhu M,Song Y,Xu Y,Xu H

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

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

The Journal of nutrition , 2023 Jun 20

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

Targeted modification of gut microbiota and related metabolites via dietary fiber.

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Nie Q,Sun Y,Li M,Zuo S,Chen C,Lin Q,Nie S

Gentamicin alleviates cholestatic liver injury by decreasing gut microbiota-associated bile salt hydrolase activity in rats.

European journal of pharmacology , Volume: 951 2023 May 12

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

Rumen microbial community and milk quality in Holstein lactating cows fed olive oil pomace as part in a sustainable feeding strategy.

Animal : an international journal of animal bioscience , Volume: 17 Issue: 6 2023 Jun

Authors Scicutella F,Cucu MA,Mannelli F,Pastorelli R,Daghio M,Paoli P,Pazzagli L,Turini L,Mantino A,Luti S,Genovese M,Viti C,Buccioni A

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

Role of Hydroxytyrosol and Oleuropein in the Prevention of Aging and Related Disorders: Focus on Neurodegeneration, Skeletal Muscle Dysfunction and Gut Microbiota.

Nutrients , Volume: 15 Issue: 7 2023 Apr 4

Authors Micheli L,Bertini L,Bonato A,Villanova N,Caruso C,Caruso M,Bernini R,Tirone F

Apigenin remodels the gut microbiota to ameliorate ulcerative colitis.

Frontiers in nutrition , Volume: 9 2022

Authors Fu R,Wang L,Meng Y,Xue W,Liang J,Peng Z,Meng J,Zhang M

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 Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens.

Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 20

Authors Wu T,Yang F,Jiao T,Zhao S

Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.

Applied microbiology and biotechnology , Volume: 106 Issue: 24 2022 Dec

Authors Zhai T,Ren W,Wang P,Zheng L

Rifaximin Modifies Gut Microbiota and Attenuates Inflammation in Parkinson`s Disease: Preclinical and Clinical Studies.

Cells , Volume: 11 Issue: 21 2022 Nov 2

Authors Hong CT,Chan L,Chen KY,Lee HH,Huang LK,Yang YSH,Liu YR,Hu CJ

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

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

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

Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 73 Issue: 2 2022 Apr

Authors Li Z,Lei L,Ling L,Liu Y,Xiong Z,Shao Y

Effects of Bile Acid Modulation by Dietary Fat, Cholecystectomy, and Bile Acid Sequestrant on Energy, Glucose, and Lipid Metabolism and Gut Microbiota in Mice.

International journal of molecular sciences , Volume: 23 Issue: 11 2022 May 25

Authors Park S,Zhang T,Yue Y,Wu X

Evaluation of the Effects of a Short Supplementation With Tannins on the Gut Microbiota of Healthy Subjects.

Frontiers in microbiology , Volume: 13 2022

Authors Molino S,Lerma-Aguilera A,Jiménez-Hernández N,Rufián Henares JÁ,Francino MP

Effect of Dietary Bacillus licheniformis Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.

Frontiers in veterinary science , Volume: 9 2022

Authors Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z

Natural Dietary Compound Xanthohumol Regulates the Gut Microbiota and Its Metabolic Profile in a Mouse Model of Alzheimer`s Disease.

Molecules (Basel, Switzerland) , Volume: 27 Issue: 4 2022 Feb 14

Authors Liu W,He K,Wu D,Zhou L,Li G,Lin Z,Yang X,Liu J,Pui Man Hoi M

Metformin attenuated sepsis-related liver injury by modulating gut microbiota.

Emerging microbes & infections , Volume: 11 Issue: 1 2022 Dec

Authors Liang H,Song H,Zhang X,Song G,Wang Y,Ding X,Duan X,Li L,Sun T,Kan Q

Substitution of Refined Conventional Wheat Flour with Wheat High in Resistant Starch Modulates the Intestinal Microbiota and Fecal Metabolites in Healthy Adults: A Randomized, Controlled Trial.

The Journal of nutrition , 2022 Jan 31

Authors Gondalia SV,Wymond B,Benassi-Evans B,Berbezy P,Bird AR,Belobrajdic DP

[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,Bruzzzone OA,Diaz-Carrasco JM,Cabral C,Garces VM,Liñeiro MM,Fernandez-Miyakawa ME

[Apigenin Alleviates Obesity-Associated Metabolic Syndrome by Regulating the Composition of the Gut Microbiome.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Qiao Y,Zhang Z,Zhai Y,Yan X,Zhou W,Liu H,Guan L,Peng L

[Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.](#)

International journal of molecular sciences , Volume: 23 Issue: 1 2021 Dec 24

Authors Wellington VNA,Sundaram VL,Singh S,Sundaram U

[Bifidobacterium longum subsp. longum 5^{1A} attenuates intestinal injury against irinotecan-induced mucositis in mice.](#)

Life sciences , Volume: 289 2022 Jan 15

Authors Quintanilha MF,Miranda VC,Souza RO,Gallotti B,Cruz C,Santos EA,Alvarez-Leite JI,Jesus LCL,Azevedo V,Trindade LM,Cardoso VN,Ferreira E,Carvalho BA,Soares PMG,Vieira AT,Nicoli JR,Martins FS

[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

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

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

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

[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

[Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.](#)

Frontiers in immunology , Volume: 12 2021

Authors Ding S,Jiang H,Fang J,Liu G

[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

[Antifungal effects of tulsi, garlic, cinnamon and lemongrass in powder and oil form on *Candida albicans*: An in vitro study.](#)

Journal of oral and maxillofacial pathology : JOMFP , Volume: 25 Issue: 2 2021 May-Aug

Authors Prajapati M,Shah M,Ranginwala A,Agrawal P,Acharya D,Thakkar S

[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

[Unravelling the collateral damage of antibiotics on gut bacteria.](#)

Nature , Volume: 599 Issue: 7883 2021 Nov

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

[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

[Xanthohumol Requires the Intestinal Microbiota to Improve Glucose Metabolism in Diet-Induced Obese Mice.](#)

Molecular nutrition & food research , Volume: 65 Issue: 21 2021 Nov

Authors Logan IE,Shulzhenko N,Sharpton TJ,Bobe G,Liu K,Nuss S,Jones ML,Miranda CL,Vasquez-Perez S,Pennington JM,Leonard

SW,Choi J,Wu W,Gurung M,Kim JP,Lowry MB,Morgun A,Maier CS,Stevens JF,Gombart AF

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

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

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

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

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

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

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

Alterations in the gut microbiota contribute to cognitive impairment induced by the ketogenic diet and hypoxia.

Cell host & microbe , Volume: 29 Issue: 9 2021 Sep 8

Authors Olson CA,Iñiguez AJ,Yang GE,Fang P,Pronovost GN,Jameson KG,Rendon TK,Paramo J,Barlow JT,Ismagilov RF,Hsiao EY

Promiscuous Pseudomonas: Uptake of Non-Endogenous Ligands for Iron Acquisition.

Tetrahedron letters , Volume: 75 2021 Jul 6

Authors Kaplan AR,Wuest WM

Dietary oregano essential oil supplementation improves intestinal functions and alters gut microbiota in late-phase laying hens.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jul 6

Authors Feng J,Lu M,Wang J,Zhang H,Qiu K,Qi G,Wu S

Oleuropein Ameliorates Advanced Stage of Type 2 Diabetes in db/db Mice by Regulating Gut Microbiota.

Nutrients , Volume: 13 Issue: 7 2021 Jun 22

Authors Zheng S,Wang Y,Fang J,Geng R,Li M,Zhao Y,Kang SG,Huang K,Tong T

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

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

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

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

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

Authors Biruete A,Cross TL,Allen JM,Kistler BM,de Loor H,Evenepoel P,Fahey GC Jr,Bauer L,Swanson KS,Wilund KR

Resveratrol and its derivative pterostilbene ameliorate intestine injury in intrauterine growth-retarded weanling piglets by modulating redox status and gut microbiota.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 10

Authors Chen Y,Zhang H,Chen Y,Jia P, Ji S,Zhang Y,Wang T

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

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

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

Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.

Nutrients , Volume: 13 Issue: 5 2021 May 20

Authors Milton-Laskibar I,Marcos-Zambrano LJ,Gómez-Zorita S,Fernández-Quintela A,Carrillo de Santa Pau E,Martínez JA,Portillo MP

The Potential Roles of Very Low Calorie, Very Low Calorie Ketogenic Diets and Very Low Carbohydrate Diets on the Gut Microbiota Composition.

Frontiers in endocrinology , Volume: 12 2021

Authors Rondanelli M,Gasparri C,Peroni G,Faliva MA,Naso M,Perna S,Bazire P,Sajuox I,Maugeri R,Rigon C

Beneficial gut microbiome remodeled during intermittent fasting in humans.

Rejuvenation research , 2021 May 27

Authors Larrick JW,Mendelsohn AR,Larrick J

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

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

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

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

mSphere , Volume: 6 Issue: 3 2021 May 5

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

A 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

Effects of Protein Restriction and Subsequent Realimentation on Body Composition, Gut Microbiota and Metabolite Profiles in Weaned Piglets.

Animals : an open access journal from MDPI , Volume: 11 Issue: 3 2021 Mar 4

Authors Hou L,Wang L,Qiu Y,Xiong Y,Xiao H,Yi H,Wen X,Lin Z,Wang Z,Yang X,Jiang Z

Inhibition of Fungal Strains Isolated from Cereal Grains via Vapor Phase of Essential Oils.

Molecules (Basel, Switzerland) , Volume: 26 Issue: 5 2021 Mar 1

Authors Strelková T,Nemes B,Kovács A,Novotný D,Božik M,Kloucek P

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

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

Nutrients , Volume: 13 Issue: 3 2021 Feb 26

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

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

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

Nutrients , Volume: 13 Issue: 1 2021 Jan 9

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

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

European journal of nutrition , 2021 Jan 3

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

The Fungal Microbiome and Asthma.

Frontiers in cellular and infection microbiology , Volume: 10 2020

Authors van Tilburg Bernardes E,Gutierrez MW,Arrieta MC

Administration of Saccharomyces boulardii maffio-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

Dynamic gut microbiome changes to low-iron challenge.

Applied and environmental microbiology , 2020 Nov 13

Authors Coe GL,Pinkham NV,Celis AI,Johnson C,DuBois JL,Walk ST

The Effect of Bacillus licheniformis-Fermented Products and Postpartum Dysgalactia Syndrome on Litter Performance Traits, Milk Composition, and Fecal Microbiota in Sows.

Animals : an open access journal from MDPI , Volume: 10 Issue: 11 2020 Nov 5

Authors Yu YH,Hsu TY,Chen WJ,Hong YB,Cheng YH

Enterococcus faecium R0026 combined with Bacillus subtilis R0179 prevent obesity-associated hyperlipidaemia and modulate gut microbiota in C57BL/6 mice.

Journal of microbiology and biotechnology , 2020 Oct 20

Authors Huang J,Huang J,Yin T,Lv H,Zhang P,Li H

Coadministration of metformin prevents olanzapine-induced metabolic dysfunction and regulates the gut-liver axis in rats.

Psychopharmacology , Volume: 238 Issue: 1 2021 Jan

Authors Luo C,Wang X,Huang HX,Mao XY,Zhou HH,Liu ZQ

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

Frontiers in endocrinology , Volume: 11 2020

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

Cultural isolation of spore-forming bacteria in human feces using bile acids.**Scientific reports** , Volume: 10 Issue: 1 2020 Sep 14

Authors Tanaka M,Onizuka S,Mishima R,Nakayama J

Relative abundance of the Prevotella genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.**BMC microbiology** , Volume: 20 Issue: 1 2020 Sep 14

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

Increased Faecalibacterium abundance is associated with clinical improvement in patients receiving rifaximin treatment.**Beneficial microbes** , Volume: 11 Issue: 6 2020 Oct 12

Authors Ponziani FR,Scaldeferri F,De Siena M,Mangiola F,Matteo MV,Pecere S,Petito V,Sterbini FP,Lopetuso LR,Masucci L,Cammarota G,Sanguinetti M,Gasbarrini A

Impacts of Habitual Diets Intake on Gut Microbial Counts in Healthy Japanese Adults.**Nutrients** , Volume: 12 Issue: 8 2020 Aug 12

Authors Sugimoto T,Shima T,Amamoto R,Kaga C,Kado Y,Watanabe O,Shiinoki J,Iwazaki K,Shigemura H,Tsuji H,Matsumoto S

High Salt Elicits Brain Inflammation and Cognitive Dysfunction, Accompanied by Alternations in the Gut Microbiota and Decreased SCFA Production.**Journal of Alzheimer`s disease : JAD** , 2020 Jul 25

Authors Hu L,Zhu S,Peng X,Li K,Peng W,Zhong Y,Kang C,Cao X,Liu Z,Zhao B

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

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

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

Cultivation of the Next-Generation Probiotic Akkermansia muciniphila, Methods of Its Safe Delivery to the Intestine, and Factors Contributing to Its Growth In Vivo.**Current microbiology** , Volume: 77 Issue: 8 2020 Aug

Authors Ropot AV,Karamzin AM,Sergeyev OV

Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.**International journal of food sciences and nutrition** , Volume: 71 Issue: 8 2020 Dec

Authors Chen K,Zhao H,Shu L,Xing H,Wang C,Lu C,Song G

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

Increase of Akkermansia muciniphila by a Diet Containing Japanese Traditional Medicine Bofutsushosan in a Mouse Model of Non-Alcoholic Fatty Liver Disease.**Nutrients** , Volume: 12 Issue: 3 2020 Mar 20

Authors Nishiyama M,Ohtake N,Kaneko A,Tsuchiya N,Imamura S,Iizuka S,Ishizawa S,Nishi A,Yamamoto M,Taketomi A,Kono T

Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE^{-/-} Mice.**Frontiers in pharmacology** , Volume: 11 2020

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

Bofutsushosan improves gut barrier function with a bloom of Akkermansia muciniphila and improves glucose metabolism in mice with diet-induced obesity.**Scientific reports** , Volume: 10 Issue: 1 2020 Mar 26

Authors Fujisaka S,Usui I,Nawaz A,Igarashi Y,Okabe K,Furusawa Y,Watanabe S,Yamamoto S,Sasahara M,Watanabe Y,Nagai Y,Yagi K,Nakagawa T,Tobe K

Anti-obesity effects of α -amylase inhibitor enriched-extract from white common beans (Phaseolus vulgaris L.) associated with the modulation of gut microbiota composition in high-fat diet-induced obese rats.**Food & function** , Volume: 11 Issue: 2 2020 Feb 26

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

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.**Gut microbes** , 2020 Jan 13

Authors Boling L,Cuevas DA,Grasis JA,Kang HS,Knowles B,Levi K,Maughan H,McNair K,Rojas MI,Sanchez SE,Smurthwaite C,Rohwer F

Food for thought about manipulating gut bacteria.**Nature** , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM, Bindels LB

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

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

Authors Özkul C, Yalinay M, Karakan T

[Berberine combined with stachyose induces better glycometabolism than berberine alone through modulating gut microbiota and fecal metabolomics in diabetic mice.](#)

Phytotherapy research : PTR , 2019 Dec 13

Authors Li CN, Wang X, Lei L, Liu MZ, Li RC, Sun SJ, Liu SN, Huan Y, Zhou T, Liu Q, Cao H, Bai GL, Han YW, Shen ZF

[Improvements in Metabolic Syndrome by Xanthohumol Derivatives Are Linked to Altered Gut Microbiota and Bile Acid Metabolism.](#)

Molecular nutrition & food research , Volume: 64 Issue: 1 2020 Jan

Authors Zhang Y, Bobe G, Revel JS, Rodrigues RR, Sharpton TJ, Fantacone ML, Raslan K, Miranda CL, Lowry MB, Blakemore PR, Morgun A, Shulzhenko N, Maier CS, Stevens JF, Gombart AF

[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, Blädel T, Larsen LH, Iglesias JR, Madera C, Sanz Y, Larsen TM, MyNewGut Consortium.

[Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.](#)

NPJ biofilms and microbiomes , Volume: 5 2019

Authors La Carpiá F, Wojczyk BS, Annavaajhala MK, Rebbaa A, Culp-Hill R, D`Alessandro A, Freedberg DE, Uhlemann AC, Hod EA

[Dietary cranberry suppressed colonic inflammation and alleviated gut microbiota dysbiosis in dextran sodium sulfate-treated mice.](#)

Food & function , Volume: 10 Issue: 10 2019 Oct 16

Authors Cai X, Han Y, Gu M, Song M, Wu X, Li Z, Li F, Goulette T, Xiao H

[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 *Akkermansia muciniphila* and *Faecalibacterium prausnitzii*: 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

[Effect of Synbiotic Supplementation in a Very-Low-Calorie Ketogenic Diet on Weight Loss Achievement and Gut Microbiota: A Randomized Controlled Pilot Study.](#)

Molecular nutrition & food research , 2019 Jul 12

Authors Gutiérrez-Repiso C, Hernández-García C, García-Almeida JM, Bellido D, Martín-Núñez GM, Sánchez-Alcoholado L, Alcaide-Torres J, Sajoux I, Tinahones F, Moreno-Indias I

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

Journal of proteomics , Volume: 206 2019 Jun 29

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

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

Diabetes & metabolism journal , 2019 Apr 23

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

[Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.](#)

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

Authors Chen M, Hou P, Zhou M, Ren Q, Wang X, Huang L, Hui S, Yi L, Mi M

[Stability of probiotics with antibiotics via gastric tube by simple suspension method: An in vitro study.](#)

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , 2019 May 21

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

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

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

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

Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.

The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1

Authors Partula V, Mondot S, Torres MJ, Kesse-Guyot E, Deschasaux M, Assmann K, Latino-Martel P, Buscail C, Julia C, Galan P, Hercberg S, Rouilly V, Thomas S, Quintana-Murci L, Albert ML, Duffy D, Lantz O, Touvier M, Milieu Intérieur Consortium

Metformin and gut microbiota: their interactions and their impact on diabetes.

Hormones (Athens, Greece) , 2019 Feb 4

Authors Vallianou NG, Stratigou T, Tsagarakis S

Intestinal Morphologic and Microbiota Responses to Dietary *Bacillus* 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

Arabinoxylan from Argentinian whole wheat flour promote the growth of *Lactobacillus reuteri* and *Bifidobacterium breve*.

Letters in applied microbiology , Volume: 68 Issue: 2 2019 Feb

Authors Paesani C, Salvucci E, Moiraghi M, Fernandez Canigia L, Pérez GT

Strategies to promote abundance of *Akkermansia muciniphila*, an emerging probiotics in the gut, evidence from dietary intervention studies.

Journal of functional foods , Volume: 33 2017 Jun

Authors Zhou K

Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.

Gut microbes , 2018 Nov 5

Authors Valcheva R, Koleva P, Martínez I, Walter J, Gänzle MG, Dieleman LA

Prevalence and Antimicrobial Susceptibility of Bacterial Uropathogens Isolated from Pediatric Patients at Yekatit 12 Hospital Medical College, Addis Ababa, Ethiopia.

International journal of microbiology , Volume: 2018 2018

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

Simultaneous Supplementation of *Bacillus subtilis* 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

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

Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.

Natural product research , 2018 Oct 13

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

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

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

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

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

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

Diversity and probiotic potentials of lactic acid bacteria isolated from *glaburu*, a traditional Turkish fermented European cranberrybush (*Viburnum opulus* L.) fruit drink.

Food research international (Ottawa, Ont.) , Volume: 64 2014 Oct

Authors Sagdic O, Ozturk I, Yapar N, Yetim H

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Singh A, Zapata RC, Pezeshki A, Reidelberger RD, Chelikani PK

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

Intermittent Fasting Confers Protection in CNS Autoimmunity by Altering the Gut Microbiota.

Cell metabolism , Volume: 27 Issue: 6 2018 Jun 5

Authors Cignarella F,Cantoni C,Ghezzi L,Salter A,Dorsett Y,Chen L,Phillips D,Weinstock GM,Fontana L,Cross AH,Zhou Y,Piccio L

Effects of Whole-Grain Rice and Wheat on Composition of Gut Microbiota and Short-Chain Fatty Acids in Rats.

Journal of agricultural and food chemistry , 2018 May 29

Authors Han F,Wang Y,Han Y,Zhao J,Han F,Song G,Jiang P,Miao H

Ketogenic diet enhances neurovascular function with altered gut microbiome in young healthy mice.

Scientific reports , Volume: 8 Issue: 1 2018 Apr 27

Authors Ma D,Wang AC,Parikh I,Green SJ,Hoffman JD,Chlipala G,Murphy MP,Sokola BS,Bauer B,Hartz AMS,Lin AL

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

International journal of biological macromolecules , Volume: 115 2018 Aug

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

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

Evolution; international journal of organic evolution , 2018 Apr 17

Authors Leinweber A,Weigert M,Kümmerli R

Metformin: old friend, new ways of action-implication of the gut microbiome?

Current opinion in clinical nutrition and metabolic care , Volume: 21 Issue: 4 2018 Jul

Authors Rodriguez J,Hiel S,Delzenne NM

High salt diet exacerbates colitis in mice by decreasing *Lactobacillus* levels and butyrate production.

Microbiome , Volume: 6 Issue: 1 2018 Mar 22

Authors Miranda PM,De Palma G,Serkis V,Lu J,Louis-Auguste MP,McCarville JL,Verdu EF,Collins SM,Bercik P

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

Nature , Volume: 555 Issue: 7698 2018 Mar 29

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

Multidrug-resistant gram-negative bacterial infections in a teaching hospital in Ghana.

Antimicrobial resistance and infection control , Volume: 7 2018

Authors Agyepong N,Govinden U,Omusu-Ofori A,Essack SY

Xylan supplement improves 1,3-propanediol fermentation by *Clostridium butyricum*.

Journal of bioscience and bioengineering , 2018 Mar 10

Authors Apiwatanapiwat W,Vaithanomsat P,Thanapase W,Ratanakhanokchai K,Kosugi A

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

PeerJ , Volume: 6 2018

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

Enhancing syntrophic associations among *Clostridium butyricum*, *Syntrophomonas* and two types of methanogen by zero valent iron in an anaerobic assay with a high organic loading.

Bioresource technology , Volume: 257 2018 Jun

Authors Kong X,Yu S,Fang W,Liu J,Li H

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

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

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

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

BioMed research international , Volume: 2017 2017

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

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

[Assessment of the impact of vitamin and dietary fiber content in the diet on the characteristics of protective colon microbiota populations of rats].

Voprosy pitaniia , Volume: 84 Issue: 6 2015

Authors Markova YM,Sheveleva SA

The Relationship between Habitual Dietary Intake and Gut Microbiota in Young Japanese Women.

Journal of nutritional science and vitaminology , Volume: 63 Issue: 6 2017

Authors Seura T,Yoshino Y,Fukuwatari T

Transferrin and Lactoferrin - Human Iron Sources for Enterococci.

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

Authors Lisiecki P

Rifaximin ameliorates hepatic encephalopathy and endotoxemia without affecting the gut microbiome diversity.

World journal of gastroenterology , Volume: 23 Issue: 47 2017 Dec 21

Authors Kaji K,Takaya H,Saikawa S,Furukawa M,Sato S,Kawaratani H,Kitade M,Moriya K,Namisaki T,Akahane T,Mitoto A,Yoshiji H

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

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

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

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

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

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

Doxycycline induces dysbiosis in female C57BL/6NCR mice

BMC Research Notes , Volume: 10 2017 Nov 29

Authors Boynton FD,Ericsson AC,Uchihashi M,Dunbar ML,Wilkinson JE

Modulation of the gut microbiota by metformin improves metabolic profiles in aged obese mice.

Gut microbes , 2017 Nov 20

Authors Lee H, Lee Y, Kim J, An J, Lee S, Kong H, Song Y, Lee CK, Kim K

A dietary flavone confers communicable protection against colitis through NLRP6 signaling independently of inflammasome activation.

Mucosal immunology , Volume: 11 Issue: 3 2018 May

Authors Radulovic K,Normand S,Rehman A,Delanoye-Crespin A,Chatagnon J,Delacre M,Waldschmitt N,Poulin LF,Iovanna J,Ryffel B,Rosenstiel P,Chamaillard M

Dietary Pea Fiber Supplementation Improves Glycemia and Induces Changes in the Composition of Gut Microbiota, Serum Short Chain Fatty Acid Profile and Expression of Mucins in Glucose Intolerant Rats.

Nutrients , Volume: 9 Issue: 11 2017 Nov 12

Authors Hashemi Z,Fouhse J,Im HS,Chan CB,Willing BP

A polyphenol-rich cranberry extract reverses insulin resistance and hepatic steatosis independently of body weight loss.

Molecular metabolism , Volume: 6 Issue: 12 2017 Dec

Authors Anhe FF,Nachbar RT,Varin TV,Vilela V,Dudonné S,Pilon G,Fournier M,Lecours MA,Desjardins Y,Roy D,Levy E,Marette A

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

High-Salt Diet Has a Certain Impact on Protein Digestion and Gut Microbiota: A Sequencing and Proteome Combined Study.

Frontiers in microbiology , Volume: 8 2017

Authors Wang C,Huang Z,Yu K,Ding R,Ye K,Dai C,Xu X,Zhou G,Li C

Indoor microbiota in severely moisture damaged homes and the impact of interventions.

Microbiome , Volume: 5 Issue: 1 2017 Oct 13

Authors Jayaprakash B,Adams RI,Kirjavainen P,Karvonen A,Vepsäläinen A,Valkonen M,Järvi K,Sulyok M,Pekkanen J,Hyvärinen A,Täubel M

Ketogenic diet poses a significant effect on imbalanced gut microbiota in infants with refractory epilepsy.

World journal of gastroenterology , Volume: 23 Issue: 33 2017 Sep 7

Authors Xie G,Zhou Q,Qiu CZ,Dai WK,Wang HP,Li YH,Liao JX,Lu XG,Lin SF,Ye JH,Ma ZY,Wang WJ

Navy and black bean supplementation primes the colonic mucosal microenvironment to improve gut health.

The Journal of nutritional biochemistry , Volume: 49 2017 Nov

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

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

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

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

Changes in the intestinal microbiota following the administration of azithromycin in a randomised placebo-controlled trial among infants in south India

Scientific Reports , Volume: 7 2017 Aug 23

Authors Parker EP,Praharaj I,John J,Kaliappan SP,Kampmann B,Kang G,Grassly NC

[Effects of One-Week Empirical Antibiotic Therapy on the Early Development of Gut Microbiota and Metabolites in Preterm Infants](#)

Scientific Reports , Volume: 7 2017 Aug 14

Authors Zhu D,Xiao S,Yu J,Ai Q,He Y,Cheng C,Zhang Y,Pan Y

[Disruption in the cecal microbiota of chickens challenged with Clostridium perfringens and other factors was alleviated by Bacillus licheniformis supplementation.](#)

PloS one , Volume: 12 Issue: 8 2017

Authors Lin Y,Xu S,Zeng D,Ni X,Zhou M,Zeng Y,Wang H,Zhou Y,Zhu H,Pan K,Li G

[Apigenin Impacts the Growth of the Gut Microbiota and Alters the Gene Expression of Enterococcus.](#)

Molecules (Basel, Switzerland) , Volume: 22 Issue: 8 2017 Aug 3

Authors Wang M,Firrmann J,Zhang L,Arango-Argoty G,Tomasula P,Liu L,Xiao W,Yam K

[Effects of oral florfenicol and azithromycin on gut microbiota and adipogenesis in mice.](#)

PloS one , Volume: 12 Issue: 7 2017

Authors Li R,Wang H,Shi Q,Wang N,Zhang Z,Xiong C,Liu J,Chen Y,Jiang L,Jiang Q

[Microbiota, metabolome, and immune alterations in obese mice fed a high-fat diet containing type 2 resistant starch.](#)

Molecular nutrition & food research , Volume: 61 Issue: 11 2017 Nov

Authors Barouei J,Bendiks Z,Martinic A,Mishchuk D,Heeney D,Hsieh YH,Kieffer D,Zaragoza J,Martin R,Slupsky C,Marco ML

[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

[Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects.](#)

Omics : a journal of integrative biology , Volume: 22 Issue: 2 2018 Feb

Authors Bekiaries N,Krueger CG,Meudt JJ,Shanmuganayagam D,Reed JD

[Bile acid binding resin prevents fat accumulation through intestinal microbiota in high-fat diet-induced obesity in mice.](#)

Metabolism: clinical and experimental , Volume: 71 2017 Jun

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

[The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.](#)

Science translational medicine , Volume: 9 Issue: 390 2017 May 17

Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI

[Influence of chronic azithromycin treatment on the composition of the oropharyngeal microbial community in patients with severe asthma.](#)

BMC microbiology , Volume: 17 Issue: 1 2017 May 10

Authors Lopes Dos Santos Santiago G,Brusselle G,Dauwe K,Deschaght P,Verhofstede C,Vaneechoutte D,Deschepper E,Jordens P,Joos G,Vaneechoutte M

[Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation.](#)

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

Authors Wang L,Hu L,Yan S,Jiang T,Fang S,Wang G,Zhao J,Zhang H,Chen W

[Dietary pea fibre alters the microbial community and fermentation with increase in fibre degradation-associated bacterial groups in the colon of pigs.](#)

Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb

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

[Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.](#)

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

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

[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,Dejani 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

[Inulin with different degrees of polymerization modulates composition of intestinal microbiota in mice.](#)

FEMS microbiology letters , Volume: 364 Issue: 10 2017 May 1

Authors Zhu L,Qin S,Zhai S,Gao Y,Li L

Influence of diet on the gut microbiome and implications for human health.

Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.

Frontiers in microbiology , Volume: 8 2017

Authors Li J,Hou Q,Zhang J,Xu H,Sun Z,Menghe B,Zhang H

Short-term impact of a classical ketogenic diet on gut microbiota in GLUT1 Deficiency Syndrome: A 3-month prospective observational study.

Clinical nutrition ESPEN , Volume: 17 2017 Feb

Authors Tagliabue A,Ferraris C,Uggeri F,Trentani C,Bertoli S,de Giorgis V,Veggiotti P,Elli M

Effect of dietary polyphenol-rich grape seed on growth performance, antioxidant capacity and ileal microflora in broiler chicks.

Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb

Authors Abu Hafsa SH,Ibrahim SA

Influence of ad Libitum Feeding of Piglets With Bacillus Subtilis Fermented Liquid Feed on Gut Flora, Luminal Contents and Health.

Scientific reports , Volume: 7 2017 Mar 14

Authors He Y,Mao C,Wen H,Chen Z,Lai T,Li L,Lu W,Wu H

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

Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.

Journal of dairy science , Volume: 100 Issue: 4 2017 Apr

Authors Boudry G,Hamilton MK,Chichlowski M,Wickramasinghe S,Barile D,Kalanetra KM,Mills DA,Raybould HE

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

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

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

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

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

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

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

Diabetes , Volume: 66 Issue: 2 2017 Feb

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

Gut-borne Saccharomyces cerevisiae, a promising candidate for the formulation of feed additives, modulates immune system and gut microbiota.

Beneficial microbes , Volume: 7 Issue: 5 2016 Nov 30

Authors Garcia G,Dogj C,de Moreno de LeBlanc A,Greco C,Cavaglieri L

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

Anaerobe , Volume: 43 2017 Feb

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

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

Microbial pathogenesis , Volume: 102 2017 Jan

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

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

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

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

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

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

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

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

[Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.](#)

Scientific reports , Volume: 6 2016 Oct 3

Authors Smith-Brown P,Morrison M,Krause L,Davies PS

[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

[Antibacterial in vitro effects of preparations from Anthroposophical Medicine.](#)

BMC complementary and alternative medicine , Volume: 16 Issue: 1 2016 Sep 22

Authors Roser E,Gründemann C,Engels I,Huber R

[Berberine Is a Novel Type Efflux Inhibitor Which Attenuates the MexXY-Mediated Aminoglycoside Resistance in Pseudomonas aeruginosa.](#)

Frontiers in microbiology , Volume: 7 2016

Authors Morita Y,Nakashima K,Nishino K,Kotani K,Tomida J,Inoue M,Kawamura Y

[Randomised, double-blind, placebo-controlled trial with azithromycin selects for anti-inflammatory microbial metabolites in the emphysematous lung.](#)

Thorax , Volume: 72 Issue: 1 2017 Jan

Authors Segal LN,Clemente JC,Wu BG,Wikoff WR,Gao Z,Li Y,Ko JP,Rom WN,Blaser MJ,Weiden MD

[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

[Addition of arabinoxylan and mixed linkage glucans in porcine diets affects the large intestinal bacterial populations.](#)

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

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

[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

[Significant pharmacokinetic differences of berberine are attributable to variations in gut microbiota between Africans and Chinese.](#)

Scientific reports , Volume: 6 2016 Jun 10

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

[The effect of berberine hydrochloride on Enterococcus faecalis biofilm formation and dispersion in vitro.](#)

Microbiological research , Volume: 186-187 2016 May-Jun

Authors Chen L,Bu Q,Xu H,Liu Y,She P,Tan R,Wu Y

[Effects of dietary fibre source on microbiota composition in the large intestine of suckling piglets.](#)

FEMS microbiology letters , Volume: 363 Issue: 14 2016 Jul

Authors Zhang L,Mu C,He X,Su Y,Mao S,Zhang J,Smidt H,Zhu W

[Prevalence and Antimicrobial Resistance Patterns of Diarrheagenic Escherichia coli in Shanghai, China.](#)

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

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

[A Pathogen-Selective Antibiotic Minimizes Disturbance to the Microbiome.](#)

Antimicrobial agents and chemotherapy , Volume: 60 Issue: 7 2016 Jul

Authors Yao J,Carter RA,Vuagniaux G,Barbier M,Rosch JW,Rock CO

[Screening of Bifidobacteria and Lactobacilli Able to Antagonize the Cytotoxic Effect of Clostridium difficile upon Intestinal Epithelial HT29 Monolayer.](#)

Frontiers in microbiology , Volume: 7 2016

Authors Valdés-Varela L,Alonso-Guervos M,García-Suárez O,Gueimonde M,Ruas-Madiedo P

[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,Trabalza-Marinucci M,Moscato L,Onofri A,Lorenzetti C,Franciosi MP

[Antimicrobial activities of six essential oils commonly used as condiments in Brazil against Clostridium perfringens.](#)

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 47 Issue: 2 2016 Apr-Jun

Authors Radaelli M,da Silva BP,Weidlich L,Hoehne L,Flach A,da Costa LA,Ethur EM

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

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

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

Modulation of Gut Microbiota by Berberine Improves Steatohepatitis in High-Fat Diet-Fed BALB/C Mice.

Archives of Iranian medicine , Volume: 19 Issue: 3 2016 Mar

Authors Cao Y,Pan Q,Cai W,Shen F,Chen GY,Xu LM,Fan JG

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

Triggering Akkermansia with dietary polyphenols: A new weapon to combat the metabolic syndrome?

Gut microbes , Volume: 7 Issue: 2 2016

Authors Anhê FF,Pilon G,Roy D,Desjardins Y,Levy E,Marette A

Diets enriched with cranberry beans alter the microbiota and mitigate colitis severity and associated inflammation.

The Journal of nutritional biochemistry , Volume: 28 2016 Feb

Authors Monk JM,Lepp D,Zhang CP,Wu W,Zarepoor L,Lu JT,Pauls KP,Tsao R,Wood GA,Robinson LE,Power KA

Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.

Gut , Volume: 66 Issue: 5 2017 May

Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkouravdos I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D

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

Effects of the dietary protein level on the microbial composition and metabolomic profile in the hindgut of the pig.

Anaerobe , Volume: 38 2016 Apr

Authors Zhou L,Fang L,Sun Y,Su Y,Zhu W

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

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

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

Modulation of the gut microbiota composition by rifaximin in non-constipated irritable bowel syndrome patients: a molecular approach

Clinical and Experimental Gastroenterology , Volume: 8 2015 Dec 4

Authors Soldi S,Vasileiadis S,Uggeri F,Campanale M,Morelli L,Fogli MV,Calanni F,Grimaldi M,Gasbarrini A

Review article: the antimicrobial effects of rifaximin on the gut microbiota.

Alimentary pharmacology & therapeutics , Volume: 43 Suppl 1 2016 Jan

Authors DuPont HL

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

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

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

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

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

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

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

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

Scientific reports , Volume: 5 2015 Sep 23

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

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

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

Authors Ci XK,Chen LP,Ou XY

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

Carbohydrate polymers , Volume: 131 2015 Oct 20

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

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

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

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

Antibacterial activity and mechanism of berberine against *Streptococcus agalactiae*.

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

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

Wheat and barley differently affect porcine intestinal microbiota.

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

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

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

Antimicrobial activity and antibiotic susceptibility of *Lactobacillus* and *Bifidobacterium* spp. intended for use as starter and probiotic cultures.

Biotechnology, biotechnological equipment , Volume: 29 Issue: 1 2015 Jan 2

Authors Georgieva R,Yocheva L,Tserovska L,Zhelezova G,Stefanova N,Atanasova A,Danguleva A,Ivanova G,Karapetkov N,Rumyan N,Karaivanova E

Different Dynamic Patterns of β -Lactams, Quinolones, Glycopeptides and Macrolides on Mouse Gut Microbial Diversity.

PloS one , Volume: 10 Issue: 5 2015

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

Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.

Food chemistry , Volume: 183 2015 Sep 15

Authors Sánchez-Patán F,Barroso E, van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta MC,Peláez C,Requena T,Bartolomé B

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

Increased gut microbiota diversity and abundance of *Faecalibacterium prausnitzii* and *Akkermansia* after fasting: a pilot study.

Wiener klinische Wochenschrift , Volume: 127 Issue: 9-10 2015 May

Authors Remely M,Hippe B,Geretschlaeger I,Stegmayer S,Hoefinger I,Haslberger A

Red wine consumption is associated with fecal microbiota and malondialdehyde in a human population.

Journal of the American College of Nutrition , Volume: 34 Issue: 2 2015

Authors Cuervo A,Reyes-Gavilán CG,Ruas-Madiedo P,Lopez P,Suarez A,Gueimonde M,González S

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

Collateral damage from oral ciprofloxacin versus nitrofurantoin in outpatients with urinary tract infections: a culture-free analysis of gut microbiota.

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 21 Issue: 4 2015 Apr

Authors Stewardson AJ,Gaia N,François P,Malhotra-Kumar S,Delémont C,Martinez de Tejada B,Schrenzel J,Harbarth S,Lazarevic V,SATURN WP1 and WP3 Study Groups

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

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

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

Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed chardonnay grape seed flour.

Journal of agricultural and food chemistry , Volume: 63 Issue: 5 2015 Feb 11

Authors Kim H,Kim DH,Seo KH,Chon JW,Nah SY,Bartley GE,Arvik T,Lipson R,Yokoyama W

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

Mikrobiyoloji bulteni , Volume: 48 Issue: 4 2014 Oct

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

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

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

Authors *Urbaniak A,Glowacka A,Kowalczyk E,Lysakowska M,Sienkiewicz M*

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

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

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

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

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

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

[Use of selected lactic acid bacteria in the eradication of *Helicobacter pylori* infection.](#)

Journal of microbiology (Seoul, Korea) , Volume: 52 Issue: 11 2014 Nov

Authors *Kim JE,Kim MS,Yoon YS,Chung MJ,Yum DY*

[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*

[Xylan utilization in human gut commensal bacteria is orchestrated by unique modular organization of polysaccharide-degrading enzymes.](#)

Proceedings of the National Academy of Sciences of the United States of America , Volume: 111 Issue: 35 2014 Sep 2

Authors *Zhang M,Chekan JR,Dodd D,Hong PY,Radlinski L,Revindran V,Nair SK,Mackie RI,Cann I*

[Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.](#)

Anaerobe , Volume: 30 2014 Dec

Authors *Pitta DW,Pinchak WE,Dowd S,Dorton K,Yoon I,Min BR,Fulford JD,Wickersham TA,Malinowski DP*

[Fermentable non-starch polysaccharides increases the abundance of *Bacteroides-Prevotella-Porphyrromonas* in ileal microbial community of growing pigs.](#)

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

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

[Changes in the treatment of *Enterococcus faecalis* infective endocarditis in Spain in the last 15 years: from ampicillin plus gentamicin to ampicillin plus ceftriaxone.](#)

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

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

[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*

[Bacteriologic profile and antibiogram of blood culture isolates from a children`s hospital in Kabul.](#)

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

Authors *Tariq TM*

[Effects of diet on gut microbiota profile and the implications for health and disease.](#)

Bioscience of microbiota, food and health , Volume: 32 Issue: 1 2013

Authors *Lee YK*

[Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.](#)

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors *Barroso E, Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez C,Martínez-Cuesta MC,Requena T*

[Impact of diet and individual variation on intestinal microbiota composition and fermentation products in obese men](#)

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

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

[Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.](#)

Food & function , Volume: 5 Issue: 6 2014 Jun

Authors *Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G*

Abnormal Weight Gain and Gut Microbiota Modifications Are Side Effects of Long-Term Doxycycline and Hydroxychloroquine Treatment

Antimicrobial Agents and Chemotherapy , Volume: 58 Issue: 6 2014 Jun
 Authors Angelakis E,Million M,Kankoe S,Lagier JC,Armougom F,Giorgi R,Raoult D

Bile acids and the gut microbiome.

Current opinion in gastroenterology , Volume: 30 Issue: 3 2014 May
 Authors Ridlon JM,Kang DJ,Hylemon PB,Bajaj JS

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

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

The Southeast Asian journal of tropical medicine and public health , Volume: 44 Issue: 6 2013 Nov
 Authors Liu Y,Yang Y,Zhao F,Fan X,Zhong W,Qiao D,Cao Y

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

International journal of antimicrobial agents , Volume: 43 Issue: 2 2014 Feb
 Authors Kanj SS,Whitelaw A,Dowzicky MJ

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

Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.

Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec
 Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

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

Korean journal of urology , Volume: 54 Issue: 7 2013 Jul
 Authors Seo Y,Lee G

Prebiotic effects of arabinoxylan oligosaccharides on juvenile Siberian sturgeon (Acipenser baerii) with emphasis on the modulation of the gut microbiota using 454 pyrosequencing.

FEMS microbiology ecology , Volume: 86 Issue: 2 2013 Nov
 Authors Geraylou Z,Souffreau C,Rurangwa E,Maes GE,Spanier KI,Courtin CM,Delcour JA,Buyse J,Ollevier F

Modulation of the metabiome by rifaximin in patients with cirrhosis and minimal hepatic encephalopathy.

PloS one , Volume: 8 Issue: 4 2013
 Authors Bajaj JS,Heuman DM,Sanyal AJ,Hylemon PB,Sterling RK,Stravitz RT,Fuchs M,Ridlon JM,Daita K,Monteith P,Noble NA,White MB,Fisher A,Sikaroodi M,Rangwala H,Gillevet PM

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

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

PloS one , Volume: 7 Issue: 8 2012
 Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L

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

FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan
 Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C

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

Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 55 Issue: 6 2012 Sep
 Authors Tamma PD,Turnbull AE,Milstone AM,Hsu AJ,Carroll KC,Cosgrove SE

Influence of red wine polyphenols and ethanol on the gut microbiota ecology and biochemical biomarkers.

The American journal of clinical nutrition , Volume: 95 Issue: 6 2012 Jun
 Authors Queipo-Ortuño MI,Boto-Ordóñez M,Murri M,Gomez-Zumaquero JM,Clemente-Postigo M,Estruch R,Cardona Diaz F,Andrés-Lacueva C,Tinahones FJ

Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal

inflammation and Smad 7 cell signaling.

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

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

Grape antioxidant dietary fiber stimulates Lactobacillus growth in rat cecum.

Journal of food science , Volume: 77 Issue: 2 2012 Feb

Authors Pozuelo MJ,Agís-Torres A,Hervert-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I

Arabinoxylans and inulin differentially modulate the mucosal and luminal gut microbiota and mucin-degradation in humanized rats.

Environmental microbiology , Volume: 13 Issue: 10 2011 Oct

Authors Van den Abbeele P,Gérard P,Rabot S,Bruneau A,El Aidy S,Derrien M,Kleerebezem M,Zoetendal EG,Smidt H,Verstraete W,Van de Wiele T,Possemiers S

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

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

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

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

PloS one , Volume: 6 Issue: 6 2011

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

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

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

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

Sitafloxacin: in bacterial infections.

Drugs , Volume: 71 Issue: 6 2011 Apr 16

Authors Keating GM

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

Poultry science , Volume: 90 Issue: 3 2011 Mar

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

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

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

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

Rifaximin modulates the colonic microbiota of patients with Crohn`s disease: an in vitro approach using a continuous culture colonic model system.

The Journal of antimicrobial chemotherapy , Volume: 65 Issue: 12 2010 Dec

Authors Maccaferri S,Vitali B,Klinder A,Kolida S,Ndagjimana M,Laghi L,Calanni F,Brigidi P,Gibson GR,Costabile A

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

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

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

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

Food microbiology , Volume: 27 Issue: 7 2010 Oct

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

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

Low levels of faecal lactobacilli in women with iron-deficiency anaemia in south India.

The British journal of nutrition , Volume: 104 Issue: 7 2010 Oct

Authors Balamurugan R,Mary RR,Chittaranjan S,Jancy H,Shobana Devi R,Ramakrishna BS

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

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

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

Short-term antibiotic treatment has differing long-term impacts on the human throat and gut microbiome.

PloS one , Volume: 5 Issue: 3 2010 Mar 24

Authors Jakobsson HE,Jernberg C,Andersson AF,Sjölund-Karlsson M,Jansson JK,Engstrand L

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

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

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

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

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

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

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

Effect of thymol on microbial diversity in the porcine jejunum.

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

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

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

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

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

Authors Gutierrez J,Barry-Ryan C,Bourke P

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

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

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

Microbiologic changes following administration of locally delivered doxycycline in smokers: a 15-month follow-up.

Journal of periodontology , Volume: 78 Issue: 11 2007 Nov

Authors M Shaddox L,Andia DC,Casati MZ,Nociti FH Jr,Sallum EA,Gollwitzer J,Walker CB

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

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

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

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

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

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

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

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

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

Bacteremia in children at a regional hospital in Trinidad.

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

Authors Orrett FA,Changoor E

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

Intestinal microbiota of patients with bacterial infection of the respiratory tract treated with amoxicillin.

The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 9 Issue: 4 2005 Aug

Authors Monreal MT,Pereira PC,de Magalhães Lopes CA

Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.

Acta paediatrica (Oslo, Norway : 1992). Supplement , Volume: 94 Issue: 449 2005 Oct

Authors Knol J,Boehm G,Lidestri M,Negretti F,Jelinek J,Agosti M,Stahl B,Marini A,Mosca F

Antibiotic susceptibility profiles of new probiotic Lactobacillus and Bifidobacterium strains.

International journal of food microbiology , Volume: 98 Issue: 2 2005 Feb 1

Authors Zhou JS,Pillidge CJ,Gopal PK,Gill HS

Emerging resistance among bacterial pathogens in the intensive care unit—a European and North American Surveillance study (2000-2002).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Authors Johnson DM,Biedenbach DJ,Jones RN

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

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

Authors Hanberger H,Nilsson LE,Swedish Study Group .

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

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

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

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

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

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

Comparative effects of moxifloxacin and clarithromycin on the normal intestinal microflora.

Scandinavian journal of infectious diseases , Volume: 32 Issue: 1 2000

Authors Edlund C,Beyer G,Hiemer-Bau M,Ziege S,Lode H,Nord CE

Antimicrobial activity of essential oils and other plant extracts.

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

Authors Hammer KA,Carson CF,Riley TV

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

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

Authors Pastor A,Cantón E,Pemán J

Antibiotic susceptibility of potentially probiotic Lactobacillus species.

Journal of food protection , Volume: 61 Issue: 12 1998 Dec

Authors Charteris WP,Kelly PM,Morelli L,Collins JK

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

Endoscopy , Volume: 30 Issue: 8 1998 Oct

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

Efficacy and safety of high dose intravenous ciprofloxacin in the treatment of bacterial pneumonia. Italian Ciprofloxacin Study Group.

International journal of antimicrobial agents , Volume: 10 Issue: 3 1998 Aug

Authors Periti P,Mazzei T,Curti ME

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

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

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

Authors Ikemoto H,Watanabe K,Mori T,Igari J,Oguri T,Shimizu Y,Terai T,Inoue H,Nakadate T,Ito C,Yoshida T,Ohno I,Tanno

Y,Arakawa M,Igarashi K,Okada M,Ozaki K,Aoki N,Kitamura N,Sekine O,Suzuki Y,Nakata K,Nakatani T,Inagawa H,Kusano N

Antibiotic susceptibility of potentially probiotic Bifidobacterium isolates from the human gastrointestinal tract.

Letters in applied microbiology , Volume: 26 Issue: 5 1998 May

Authors Charteris WP,Kelly PM,Morelli L,Collins JK

Metronidazole. A therapeutic review and update.

Drugs , Volume: 54 Issue: 5 1997 Nov

Authors Freeman CD,Klutman NE,Lamp KC

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

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

Authors Oh HM,Ng AW,Lee SK

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

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

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

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

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

Authors Wise R

[A nationwide survey of antimicrobial susceptibilities of clinical isolates to antibiotics in Japan (1988-1990)].

The Japanese journal of antibiotics , Volume: 46 Issue: 6 1993 Jun

Authors Igari J

In vitro antimicrobial activity of fluoroquinolones against clinical isolates obtained in 1989 and 1990.

Journal of the Formosan Medical Association = Taiwan yi zhi , Volume: 92 Issue: 12 1993 Dec

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

In vitro susceptibility of anaerobic bacteria to nitroimidazoles.

Scandinavian journal of infectious diseases. Supplementum , Volume: 26 1981

Authors Olsson-Liljequist B,Nord CE

Metronidazole: in vitro activity, pharmacology and efficacy in anaerobic bacterial infections.

Pharmacotherapy , Volume: 1 Issue: 1 1981 Jul-Aug

Authors Tally FP,Sullivan CE

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

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

Authors Hall WH,Opfer BJ,Gerding DN

Antibacterial sensitivity of Bifidobacterium (Lactobacillus bifidus).

Journal of bacteriology , Volume: 93 Issue: 1 1967 Jan

Authors Miller LG,Finegold SM

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

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

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

Authors Ronco E,Vacheron F,Orabona A

Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.

The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar

Authors Slade AP,Wyatt GM,Bayliss CE,Waites WM

[Antimicrobial activity of ornidazole and 6 other antibiotics against anaerobic bacteria].

Enfermedades infecciosas y microbiología clinica , Volume: 9 Issue: 4 1991 Apr

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

In vitro activities of 36 antimicrobial agents against clinically isolated Bacteroides fragilis.

Journal of the Formosan Medical Association = Taiwan yi zhi , Volume: 90 Issue: 8 1991 Aug

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

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

Chest , Volume: 74 Issue: 2 1978 Aug

Authors Lidji M,Rubinstein E,Samra H

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

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

Infectious Disease and Antibmicrobial Agents

antimicrobe: Infectious Disease and Antibmicrobial Agents , Volume:

Authors E-Sun Technologies

The effect of cocultivation with hydrogen-consuming bacteria on xylanolysis byRuminococcus flavefaciens

Current Microbiology , Volume: 29 Issue: 3 Sep 1994

Authors A. G. Williams

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

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Acne

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)

Carcinoma

cdkl5 deficiency disorder

Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
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