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#### Mechanisms of Action of Probiotics

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108	Lactobacillus-fermented yogurt exerts hypoglycemic, hypocholesterolemic, and anti-inflammatory activities in STZ-induced diabetic Wistar rats. <b>2022</b> ,	O

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106	Quorum Sensing in ESKAPE Bugs: A Target for Combating Antimicrobial Resistance and Bacterial Virulence. <b>2022</b> , 11, 1466	O
105	The gut microbiome and allergic rhinitis; refocusing on the role of probiotics as a treatment option.	1
104	Introduction to Traditional Medicine and Their Role in Prevention and Treatment of Emerging and Re-Emerging Diseases. <b>2022</b> , 12, 1442	O
103	Neuroprotective effect of a multi strain probiotic mixture in SOD1G93A mice Through reducing SOD1 aggregation and targeting the microbe-gut-brain axis.	О
102	The probiotic Bacillus subtilis BS50 decreases gastrointestinal symptoms in healthy adults: a randomized, double-blind, placebo-controlled trial. <b>2022</b> , 14,	O
101	Lactobacillus Species as Probiotics: Isolation Sources and Health Benefits.	О
100	Probiotics beyond the farm: Benefits, costs, and considerations of using antibiotic alternatives in livestock. 1,	O
99	Probiotic Regulation to Modulate Aging Gut and Brain Health: A Concise Review. <b>2022</b> , 1, 250-265	О
98	Chemopreventive role of probiotics against cancer: a comprehensive mechanistic review.	О
97	A mini-review on co-supplementation of probiotics and medicinal herbs: Application in aquaculture. 9,	О
96	Effect of Lacticaseibacillus rhamnosus and Lactiplantibacillus plantarum isolated from food and human origin on reduction of IgE-dependent hypersensitivity in Balb/c mice. <b>2022</b> , 227, 152292	0
95	Precise oral delivery systems for probiotics: A review. <b>2022</b> , 352, 371-384	1
94	Liposome-mediated encapsulation of antimicrobials and probiotics. 2023, 65-86	O
93	Anti-infective properties of the protective culture Hafnia alvei B16 in food and intestinal models against multi-drug resistant Salmonella <b>2023</b> , 110, 104159	О
92	Precise Nutrition and Functional Foods. <b>2022</b> , 231-267	О
91	Bibliometric analysis of the 100 most cited papers about the role of gut microbiota in irritable bowel syndrome from 2000 to 2021.	О
90	Different Impacts of Heat-Killed and Viable Lactiplantibacillus plantarum TWK10 on Exercise Performance, Fatigue, Body Composition, and Gut Microbiota in Humans. <b>2022</b> , 10, 2181	1

89	Bridging the gap between evidence-based practice and probiotic utilization among US adults: Results from a national survey. 1, 5	O
88	Antagonistic Activity of Potentially Probiotic Lactic Acid Bacteria against Honeybee (Apis mellifera L.) Pathogens. <b>2022</b> , 11, 1367	1
87	Enterococcus faecium GEFA01 alleviates hypercholesterolemia by promoting reverse cholesterol transportation via modulating the gut microbiota-SCFA axis. 9,	O
86	Probiotic lactobacilli attenuate oxysterols-induced alteration of intestinal epithelial cell monolayer permeability: Focus on tight junction modulation. <b>2023</b> , 172, 113558	O
85	Probiotics for Antibiotic-Associated Diarrhea: What, When, and How Long?. <b>2022</b> , 13, 571-583	0
84	Probiotics and Beneficial Microorganisms in Biopreservation of Plant-Based Foods and Beverages. <b>2022</b> , 12, 11737	1
83	Gut Dysbiosis and Diabetic Foot Ulcer: Role of Probiotics. <b>2022</b> , 14, 2543	O
82	Molecular characterization of gut microbiome in weaning pigs supplemented with multi-strain probiotics using metagenomic, culturomic, and metabolomic approaches. <b>2022</b> , 4,	O
81	Effect of probiotics for regulation of inflammatory response in radiation-induced enteritis.	O
80	Development and characterization of probiotic (co)encapsulates in biopolymeric matrices and evaluation of survival in a millet yogurt formulation.	O
79	Screening Enterococcus isolates for antimicrobial and in vitro antitumor activity against colorectal carcinomas.	O
78	Updates on the Role of Probiotics against Different Health Issues: Focus on Lactobacillus. <b>2023</b> , 24, 142	2
77	The Proliferation Inhibitory Effect of Postbiotics Prepared from Probiotics with Antioxidant Activity against HT-29 Cells. <b>2022</b> , 12, 12519	1
76	Use of Characterized Microorganisms in Fermentation of Non-Dairy-Based Substrates to Produce Probiotic Food for Gut-Health and Nutrition. <b>2023</b> , 9, 1	4
75	Homeostasis and Dysbiosis of the Intestinal Microbiota: Comparing Hallmarks of a Healthy State with Changes in Inflammatory Bowel Disease. <b>2022</b> , 10, 2405	2
74	Probiotic supplementation improved cognitive function in cognitively impaired and healthy older adults: a systematic review of recent trials.	O
73	Strain-specificity of probiotics in pediatrics la rapid review of the clinical evidence. Publish Ahead of Print,	O
72	Food for the mind: The journey of probiotics from foods to ANTI-Alzheimer disease therapeutics. <b>2022</b> , 102323	O

71	Bibliometric analysis of the 100 most-cited papers about the role of gut microbiota in irritable bowel syndrome from 2000 to 2021.	O
70	Anticancer Properties of Saccharomyces boulardii Metabolite Against Colon Cancer Cells.	O
69	An Isolate of Streptococcus mitis Displayed In Vitro Antimicrobial Activity and Deleterious Effect in a Preclinical Model of Lung Infection. <b>2023</b> , 15, 263	0
68	Probiotics Mechanism of Action on Immune Cells and Beneficial Effects on Human Health. <b>2023</b> , 12, 184	6
67	MRSA compendium of epidemiology, transmission, pathophysiology, treatment, and prevention within one health framework. 13,	О
66	The predicted mechanisms and evidence of probiotics on type 2 diabetes mellitus (T2DM). 1-16	O
65	Ultrasound Attenuation Improves Some Surface Properties of the Probiotic Strain Lacticaseibacillus casei ATCC 393. <b>2023</b> , 11, 142	O
64	Evaluation of the Anticancer and Probiotic Potential of Autochthonous (Wild) Lacticaseibacillus paracasei Strains from New Ecological Niches as a Possible Additive for Functional Dairy Foods. <b>2023</b> , 12, 185	O
63	Development, characterization and probiotic encapsulating ability of novel Momordica charantia bioactive polysaccharides/whey protein isolate composite gels. <b>2023</b> , 225, 454-466	1
62	Immune System and Epidemics: The Role of African Indigenous Bioactive Substances. <b>2023</b> , 15, 273	O
61	A systematic review on selection characterization and implementation of probiotics in human health.	О
60	Fecal microbiota transplantation and short-chain fatty acids reduce sepsis mortality by remodeling antibiotic-induced gut microbiota disturbances. 13,	O
59	Gut Microbiota and Breast Cancer: The Dual Role of Microbes. <b>2023</b> , 15, 443	1
58	Randomised controlled trial of melatonin for paediatric functional abdominal pain disorders.	O
57	Sericultural By-Products: The Potential for Alternative Therapy in Cancer Drug Design. 2023, 28, 850	O
56	Lacticaseibacillus paracasei AO356 ameliorates obesity by regulating adipogenesis and thermogenesis in C57BL/6J male mice. <b>2023</b> , 101, 105404	O
55	Potential health benefits of fermented blueberry: A review of current scientific evidence. <b>2023</b> , 132, 103-120	O
54	The effect of probiotics on immune responses and their therapeutic application: A new treatment option for multiple sclerosis. <b>2023</b> , 159, 114195	Ο

53	Bacillus Coagulans and its Spore as Potential Probiotics in the Production of Novel Shelf- Stable Foods. <b>2022</b> , 10, 858-870	O
52	Effect of Complex Prebiotics on the Intestinal Colonization Ability of Limosilactobacillus fermentum DALI02. <b>2023</b> , 9, 25	O
51	Enhanced Anti-Inflammatory Effect of the Combination of Lactiplantibacillus plantarum LS/07 with Methotrexate Compared to Their Monotherapies Studied in Experimental Arthritis. <b>2023</b> , 28, 297	1
50	Progress in research of low-grade inflammation in irritable bowel syndrome. 2022, 30, 1051-1065	O
49	Maternal yogurt consumption during pregnancy and infantile eczema: a prospective cohort study.	O
48	Fermented foods and gut microbiome: a focus on African Indigenous fermented foods. <b>2023</b> , 315-331	O
47	Cassane diterpenoid ameliorates dextran sulfate sodium-induced experimental colitis by regulating gut microbiota and suppressing tryptophan metabolism. 13,	О
46	Prairie Agroecosystems: Interconnected Microbiomes of Livestock, Soil and Insects. <b>2023</b> , 13, 326	O
45	Antimicrobial Resistance and Recent Alternatives to Antibiotics for the Control of Bacterial Pathogens with an Emphasis on Foodborne Pathogens. <b>2023</b> , 12, 274	2
44	Probiotic Administration for the Prevention and Treatment of Gastrointestinal, Metabolic and Neurological Disorders. <b>2023</b> , 219-250	O
43	Fermented milk, yogurt beverages, and probiotics. <b>2023</b> , 259-277	О
42	Commercial probiotic products in public health: current status and potential limitations. 1-22	O
41	Administration of Bifidobacterium animalissubsp.lactis Strain BB-12 in Healthy Children: Characterization, Functional Composition, and Metabolism of the Gut Microbiome.	O
40	Beyond Proteins <b>E</b> dible Insects as a Source of Dietary Fiber. <b>2023</b> , 4, 116-128	O
39	Lactobacillus fermentum MCC2760 abrogate high-fat induced perturbations in the enterohepatic circulation of bile acids in rats. <b>2023</b> , 320, 121563	О
38	Effects of dragon fruit oligosaccharides on immunity, gut microbiome, and their metabolites in healthy adults IA randomized double-blind placebo controlled study. <b>2023</b> , 167, 112657	O
37	Highlights on two decades with microbiota and inflammatory bowel disease from etiology to therapy. <b>2023</b> , 78, 101835	O
36	Polymeric carriers in probiotic delivery system. <b>2023</b> , 5, 100301	O

35	In vitro and in vivo evaluation of the safety of Levilactobacillus brevis CGMCC1.5954 with probiotic potential based on tri-generation whole genome sequencing and animal studies. <b>2023</b> , 53, 102654	0
34	Modulation of gut microbiota: An emerging consequence in neonatal sepsis. <b>2023</b> , 20, 101245	О
33	Effect of different drying methods on the functional properties of probiotics encapsulated using prebiotic substances. <b>2023</b> , 107, 1575-1588	О
32	An Insight into the Salutary Prospect of the Probiotic Microorganisms for the Remediation of Mercury Toxicity. <b>2023</b> , 42, 83-90	O
31	Probiotics as a Tool for Regulating Molecular Mechanisms in Depression: A Systematic Review and Meta-Analysis of Randomized Clinical Trials. <b>2023</b> , 24, 3081	1
30	Antibiotic-Therapy-Induced Gut Dysbiosis Affecting Gut Microbiota <b>B</b> rain Axis and Cognition: Restoration by Intake of Probiotics and Synbiotics. <b>2023</b> , 24, 3074	2
29	Potential of Bifidobacterium lactis IDCC 4301 isolated from breast milk-fed infant feces as a probiotic and functional ingredient. <b>2023</b> , 11, 1952-1964	О
28	Improvement in bioconversion efficiency and reduction of ammonia emission by introduction of fruit fermentation broth in a black soldier fly larvae and kitchen waste conversion system.	O
27	Effect of probiotics for regulation of inflammatory response in radiation-induced enteritis.	О
26	Predicting Foodborne Pathogens and Probiotics Taxa within Poultry-Related Microbiomes Using a Machine Learning Approach.	O
25	Cell-free Lactiplantibacillus plantarum OC01 supernatant suppresses IL-6-induced proliferation and invasion of human colorectal cancer cells: Effect on Ecatenin degradation and induction of autophagy. 2023, 13, 193-206	О
24	Translation of Immunomodulatory Effects of Probiotics into Clinical Practice.	O
23	In vitro Evaluation of Potential Probiotic Characteristics and Survival of Human and Foodborne Lactic Acid Bacteria (Lacticaseibacillus rhamnosus and Lactiplantibacillus plantarum) in Mice Gastrointestinal Tract. <b>2022</b> , 58, S91-S101	0
22	Characterization of Limosilactobacillus reuteri KGC1901 Newly Isolated from Panax ginseng Root as a Probiotic and Its Safety Assessment. <b>2023</b> , 9, 228	O
21	The Role of Fermented Dairy Products on Gut Microbiota Composition. 2023, 9, 231	О
20	Exopolysaccharides Derived from Probiotic Bacteria and their Health Benefits. 2023, 17, 35-50	O
19	Relationship between gut microbiome and allergic asthma. <b>2023</b> , 8, 001-006	0
18	Production and effects of green tea Kombucha with blueberry and orange blossom honey without caffeine as probiotic inhibitor of pathogenic bacteria. 23-38	O

17	Amelioration of alcohol-induced acute liver injury in C57BL/6 mice by a mixture of TCM phytochemicals and probiotics with antioxidative and anti-inflammatory effects. 10,	О
16	Lacticaseibacillus rhamnosus Promising Tool for Colorectal Cancer Treatment. 2023, 11, 781	O
15	Isolation of Potential Probiotic Bacillus spp. from the Intestine of Nile Tilapia to Construct Recombinant Probiotic Expressing CC Chemokine and Its Effectiveness on Innate Immune Responses in Nile Tilapia. <b>2023</b> , 13, 986	О
14	In Vitro Evaluation of the Most Active Probiotic Strains Able to Improve the Intestinal Barrier Functions and to Prevent Inflammatory Diseases of the Gastrointestinal System. <b>2023</b> , 11, 865	О
13	Effects of probiotics on antioxidant activity, flavor compounds and sensory evaluation of Rosa roxburghii Tratt. <b>2023</b> , 179, 114664	О
12	Biotherapy Using Probiotics as Therapeutic Agents to Restore the Gut Microbiota to Relieve Gastrointestinal Tract Inflammation, IBD, IBS and Prevent Induction of Cancer. <b>2023</b> , 24, 5748	1
11	Production of glutathione from probiotic Bacillus amyloliquefaciens KMH10 using banana peel extract. <b>2023</b> , 376, 128910	0
10	The role of IL-10 in regulating inflammation and gut microbiome in mice consuming milk kefir and orally challenged with S. Typhimurium.	O
9	The potential of Bacillus and Enterococcus probiotic strains to combat helicobacter pylori attachment to the biotic and abiotic surfaces.	О
8	Gut-Derived Metabolite, Trimethylamine-N-oxide (TMAO) in Cardio-Metabolic Diseases: Detection, Mechanism, and Potential Therapeutics. <b>2023</b> , 16, 504	o
7	Interaction of drugs with gut microbiota modulators. 1-14	0
6	The Role of the Gut Microbiome in Cancer Immunotherapy: Current Knowledge and Future Directions. <b>2023</b> , 15, 2101	O
5	The Effects of a High-Intensity Ultrasound on the Fermentative Activity and Kinetic Growth of Lactobacillus Acidophilus and Lactobacillus Helveticus. <b>2023</b> , 9, 356	O
4	Immunomodulatory Properties of Probiotics and Their Derived Bioactive Compounds. <b>2023</b> , 13, 4726	O
3	Geroprotective Effect of Levilactobacillus brevis and Weizmannia coagulans in Caenorhabditis elegans.	О
2	Complex probiotics alleviate ampicillin-induced antibiotic-associated diarrhea in mice. 14,	О
1	Effect of Lactobacillus Rhamnosus GG for Regulation of Inflammatory Response in Radiation-Induced Enteritis.	О