

Search Strings: Gut Microbiome

Scope: These search strings are designed to access publications on the gut microbiome and microbiota within the scope of human nutrition research, specifically excluding animal studies.

Author: Developed by the [Food and Nutrition Information Center \(FNIC\)](#) at the National Agricultural Library (NAL). For inquiries, please contact us using NAL's [Ask A Question](#) service.

Disclaimer: These search strings are provided as reference tools and have not undergone validation. It is recommended to customize the strings according to specific research needs before use.

[PubAg \[nal.usda.gov\]](#)

((gastrointestinal OR gut OR intestinal) AND (microbiome OR microbiota)) NOT (carp OR zebrafish OR aquaculture OR cattle OR pig* OR piglet* OR swine OR chicken* OR broiler* OR mouse OR mice OR rat* OR cat* OR rabbit* OR ruminant* OR ovine OR bovine OR domesticated OR bird* OR avian OR amphibian* OR insect*)

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(((((("intestine"[tiab] OR "intestinal"[tiab] OR "cecum"[tiab] OR "cecal"[tiab] OR "caecum"[tiab] OR "caecal"[tiab] OR "ileum"[tiab] OR "ileal"[tiab] OR "jejunum"[tiab] OR "jejunal"[tiab] OR "colon"[tiab] OR "colonic"[tiab] OR "gastrointestinal"[tiab] OR "GI tract"[tiab] OR "digestive tract"[tiab] OR "gut"[tiab] OR "alimentary"[tiab] OR "enteral"[tiab] OR "enteric"[tiab] OR "stomach"[tiab] OR "gastric"[tiab]) AND ("microbiome"[tiab] OR "microbiomes"[tiab] OR "microbiotic"[tiab] OR "microbiota"[tiab] OR "microbiotas"[tiab] OR "microbiotal"[tiab] OR "microbial community"[tiab] OR "microbial communities"[tiab] OR "microbes"[tiab] OR "flora"[tiab] OR "bacteria"[tiab] OR "commensal"[tiab] OR "firmicutes"[tiab] OR "bacteroidetes"[tiab] OR "mycobiome"[tiab] OR "mycobiotic"[tiab])) OR ("Microbiota"[mh] AND ("human eating"[ti] OR "food security"[ti] OR "food insecurity"[ti] OR "malnutrition"[all] OR "nutrition therapy"[ti] OR ("Nutritional Physiological Phenomena"[mh] NOT "Animal Nutritional Physiological Phenomena"[mh]) OR ("Nutritional Sciences"[mh] NOT "Animal Nutrition Sciences"[mh]) OR "Food Assistance"[mh] OR "Malnutrition"[mh] OR "Nutrition Therapy"[mh] OR "Feeding and Eating Disorders"[mh] OR "Obesity Management"[mh] OR "Nutrition Policy"[mh]))) NOT ("oral"[ti] OR "salivary"[ti] OR "gingival"[ti] OR "subgingival"[ti] OR "skin"[ti] OR "co-digestion"[tiab] OR "biorefinery"[tiab] OR "soil"[tiab])) OR "Gastrointestinal Microbiome"[mh]) NOT (("cat"[tiab] OR "cats"[tiab] OR "dog"[tiab] OR "dogs"[tiab] OR "murine"[tiab] OR "mouse"[tiab] OR "mice"[tiab] OR "rat"[tiab] OR "rodents"[tiab] OR "broiler"[tiab] OR "broilers"[tiab] OR "hen"[tiab] OR "hens"[tiab] OR "chickens"[tiab] OR "pig"[tiab] OR "pigs"[tiab] OR "piglet"[tiab] OR "piglets"[tiab] OR "swine"[tiab] OR "boar"[tiab] OR "bovine"[tiab] OR "cattle"[tiab] OR "ovine"[tiab] OR "rabbit"[tiab] OR "rabbits"[tiab] OR "zebrafish"[tiab] OR "animal model"[tiab] OR "animal models"[tiab] OR "livestock"[tiab] OR "farm animal"[tiab] OR "farm animals"[tiab] OR "animal nutrition"[tiab] OR "animal health"[tiab] OR "drosophila"[tiab] OR "melanogaster"[tiab] OR "elegans"[tiab] OR "musculus"[tiab] OR "gallus"[tiab] OR "rhesus"[tiab] OR "macaque"[tiab] OR "macaques"[tiab] OR "monkey"[tiab] OR "monkeys"[tiab] OR "goat"[tiab] OR "goats"[tiab]) NOT ("human"[tiab] OR "patients"[tiab] OR "adolescent"[tiab] OR "adolescents"[tiab] OR "infant"[tiab] OR "infant"[tiab] OR "child"[tiab] OR "children"[tiab] OR "childhood"[tiab] OR "parents"[tiab])) NOT ("animals"[mh] NOT "humans"[mh]))