

BENEFICIAL WILDLIFE MICROBES

Special Issue for Beneficial Microbes

Guest Editor:

Dr. Igor Popov

Bat Rehabilitation and Research Center,
Don State Technical University,
Rostov-on-Don

Deadline for Manuscript submissions:
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Call for Papers

The microbiota of wild animals represents a vast and still underexplored reservoir of microbial diversity. Beyond its importance for understanding host ecology and evolution, wildlife microbiota may harbor microorganisms with beneficial properties relevant to nutrition, immune defence, physiological stability, and resistance to environmental stress and disease. At the same time, anthropogenic pressure, habitat transformation, and captivity-related changes raise urgent questions about the preservation and restoration of healthy host-associated microbial communities in wildlife.

This Special Issue highlights current advances in the study of **beneficial microorganisms associated with wild animals**. It aims to provide a forum for research on both the discovery of beneficial microbes within wildlife microbiota and the development of microbial approaches to support wildlife health, management, and conservation.

Scope and Topics

We invite submissions addressing the identification, isolation, characterization, and functional assessment of microorganisms from the microbiota of wild animals that may have beneficial effects on host health in both animals and humans. We also welcome studies focused on the design, development, and testing of beneficial microorganisms for use in wild species, including work relevant to rehabilitation, conservation, captive management, and reintroduction programs.

Particular attention will be given to **microbiome studies comparing wild and captive animals**, where one aim is to identify microbial taxa, community features, or functional properties associated with healthy wild populations. Such comparisons may provide valuable insight into microbiota shifts associated with captivity and help define microbiological targets for maintaining or restoring host health.

We welcome original research papers, review articles, and perspective papers that contribute to a deeper understanding of beneficial microorganisms associated with wild animals. This Special Issue will be published in a hybrid format; Open Access articles accepted for the issue will also appear in a printed book edition.



Submission Procedure:

[Instructions for Authors](#).

Submit [here](#) choosing "Special Issue: Beneficial Wildlife Microbes" from the pull-down menu.