

Special Issue

Microbiota and Animal Diseases

Message from the Guest Editors

The microbiota is one of the most important determinants of animal health. It promotes better health by enhancing immunity, influencing body physiology, and stimulating metabolic pathways to maintain proper homeostasis. However, it can also have negative impacts, primarily due to pathogenic microorganisms that may cause disease.

For many years, the microbiota has been the subject of intense research, as scientists strive to understand the complex relationships between the microorganisms colonising the animal body, the host animal, and the environmental microbiota. These insights can help improve animal welfare and prevent many diseases. We invite you to submit articles focusing on the microbiota of domesticated animals, including both companion and farm animals, as well as wild and laboratory animals from diverse environments. Topics of interest include, but are not limited to, the following: immune modulation via the microbiota, host–microorganism co-evolution, microbiome-based diagnostics and therapies, microbial colonisation in early life, and the impact of antibiotics, probiotics, and diet on microbial communities.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).