

# Special Issue

## Current Insights into Rumen Microbiota

### Message from the Guest Editors

Ruminant production is essential for food security and sustainable livestock development. The gastrointestinal microbiota, especially the rumen microbiome, plays a key role in nutrient digestion, rumen fermentation, feed utilization, host metabolism, animal health, and environmental adaptation. This Special Issue welcomes original research articles, reviews, and short communications on ruminant nutrition, efficient production, rumen and intestinal microbiota, microbial metabolism, host–microbe interactions, feed additives, nutritional regulation, high–altitude adaptation, and sustainable ruminant systems. We aim to provide new insights into the mechanisms underlying efficient, healthy, and sustainable ruminant production.

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### Guest Editors

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### Deadline for manuscript submissions

30 November 2026



## Microorganisms

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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.

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### Editor-in-Chief

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indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

#### Journal Rank:

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).