

# Topical Collection

## Feature Papers in Microbial Biology

### Message from the Collection Editors

Microbiology is the fundamental biological science that studies microscopic organisms, including bacteria, archaea, protists, fungi and viruses. Understanding microbes' structure, life cycle, metabolism and growth is essential for further studies within various biological sciences, including genetics, ecology, evolution, health and biotechnology. Recent advances in microbiology, driven by cutting-edge technologies such as multi-omics and bioinformatics offer unprecedented potential to address major societal challenges. Scientists can now delve into previously unexplored questions, leading to breakthrough discoveries that highlight the crucial role of microbes in biology. This collection aims to showcase cutting-edge advances in microbial biology through a collection of feature papers that explore innovative work and rigorous scientific methodologies. Review articles are expected to synthesize ideas, challenge existing paradigms and establish new frameworks that advance our comprehension of the microbial world.

### Collection Editors

Dr. Pabulo Rampelotto

Clinical Hospital of Porto Alegre (HCPA), affiliated with the Federal University of Rio Grande do Sul, Porto Alegre 91501-970, Brazil

Prof. Dr. Juan Carlos Gutiérrez

Department of Genetics, Physiology and Microbiology, Faculty of Biology, Complutense University of Madrid, 28040 Madrid, Spain



## Biology

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 7.4  
Indexed in PubMed



[mdpi.com/si/195557](https://mdpi.com/si/195557)

*Biology*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biology@mdpi.com](mailto:biology@mdpi.com)

[mdpi.com/journal/  
biology](https://mdpi.com/journal/biology)





# Biology

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 7.4  
Indexed in PubMed



[mdpi.com/journal/  
biology](https://mdpi.com/journal/biology)



## About the Journal

### Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

---

### Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

---

### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.4 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).