

## Special Issue

# Interactions and Cross-Kingdom Regulation of Hosts and Pathogens/Parasites

### Message from the Guest Editors

By integrating studies from molecular biology, ecology, and evolutionary biology, this collection of research articles and reviews aims to provide a comprehensive understanding of how hosts and pathogens/parasites interact and regulate each other across kingdoms. We invite contributions that address the molecular mechanisms, ecological impacts, and evolutionary consequences of host–pathogen/parasite interactions. By bringing together diverse perspectives, this Special Issue will shed light on the fascinating and complex world of cross-kingdom regulation, offering insights that are fundamental to biology and critical for addressing global challenges in health and sustainability.

### Guest Editors

Dr. Rui Guo

Host–Pathogen Interaction Mechanism and Precision Medicine Team, National & Local United Engineering Laboratory of Natural Biotoxin, Apitherapy Research Institute, College of Bee Science and Biomedicine, Fujian Agriculture and Forestry University, Fuzhou 350002, China

Dr. Jianfeng Qiu

Host–Pathogen Interaction Mechanism and Precision Medicine Team, National & Local United Engineering Laboratory of Natural Biotoxin, Apitherapy Research Institute, College of Bee Science and Biomedicine, Fujian Agriculture and Forestry University, Fuzhou 350002, China

### Deadline for manuscript submissions

1 June 2026



## Biology

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 7.4  
Indexed in PubMed



[mdpi.com/si/233374](https://mdpi.com/si/233374)

*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, CAPlus / 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 16.8 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).