

Special Issue

2nd Edition of Computational Methods in Biology

Message from the Guest Editors

This Special Issue explores how computational methods and AI revolutionize biological research, analysis, and discovery, unlocking insights and patterns. They analyze vast biological data, predict protein structures, analyze gene expressions, and decipher complex networks. This enhances understanding of disease mechanisms, aids drug discovery, and personalizes medicine. AI integrates diverse biological data, revealing hidden relationships and offering comprehensive perspectives on biological systems. Featured articles highlight their impact in genomics, systems biology, drug discovery, and cancer research, paving the way for innovative medical findings and transformative healthcare advancements. Through these advancements, biology is heading toward an innovative future shaped by new medical findings and transformative advancements in healthcare.

Guest Editors

Dr. Milan Toma

Department of Osteopathic Manipulative Medicine, College of Osteopathic Medicine, New York Institute of Technology, Old Westbury Campus, Northern Boulevard, Old Westbury, NY 11568-8000, USA

Dr. Chi Wei Ong

Agency for Science, Technology and Research (A*STAR), Singapore, Singapore

Deadline for manuscript submissions

closed (1 February 2025)



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/197679

Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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).