

Special Issue

Adaptation of Living Species to Environmental Stress

Message from the Guest Editors

Environmental stress has played a crucial role in the evolution of living organisms, highlighting the critical interaction between organisms and their environments. Both abiotic and biotic stressors force species to continuously adapt and evolve. For instance, terrestrial ecosystems confront heightened frequencies and intensities of extreme events, such as droughts and wildfires. Climate change intensifies these challenges, aggravated by factors such as habitat fragmentation and invasive species, precipitating profound and irreversible ecological shifts at local and global levels, and jeopardizing environmental, socio-economic and cultural integrity. Recently, the surge in urbanization has introduced additional environmental stressors for living organisms, including sound waves emitted by industrial machinery or vehicles.

We warmly welcome researchers to contribute papers or reviews that explore various aspects of the adaptation of species to environmental stress.

Guest Editors

Dr. Mario Pagano

Institute of Research on Terrestrial Ecosystems (IRET), National Research Council (CNR), Via Madonna del Piano 10, 50019 Sesto Fiorentino, FI, Italy

Dr. Sonia Del Prete

Institute of Biosciences and Bioresources (IBBR), CNR, Via Pietro Castellino 111, 80131 Napoli, Italy

Deadline for manuscript submissions

31 December 2025



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/199614

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).