



Biomarkers in Stress Biology and Ecology

Guest Editors:

Dr. Marco F. L. Lemos

Dr. Sara C. Novais

Dr. Bernardo Duarte

Dr. Vanessa F. Fonseca

Deadline for manuscript
submissions:

closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

Effects assessed at higher levels of biological organization (organisms or populations) are the consequence of the sum of effects at the cellular and molecular levels. Given this rationale, these lower levels of biological organization are more responsive at an early stage, making them promising tools to be used as early warning endpoints to address stress. This way, the information concerning effects at the molecular level of biological organisation will allow for an early-in-time assessment of future problems, which may eventually enable a timely intervention, before the impacts are visible and irreversible.

The use of biomarkers continues to thrive, and robust information continues to be generated, allowing to set up mechanisms of action and exposure endpoints for a plethora of stressors, organisms, and environments, proving its usefulness as target endpoints in stress biology and ecology studies.

Within this framework, this Special Issue will cover review articles and research papers addressing sub-individual endpoints/biomarkers in any organism, either terrestrial and aquatic environments, in laboratory studies or in the environment.

Guest Editors





biology



an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Biology*) / CiteScore - Q1 (*General Agricultural and Biological Sciences*)

Contact Us

Biology Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biology
biology@mdpi.com
[X@Biology_MDPI](https://twitter.com/Biology_MDPI)