

Special Issue

Biomarkers in Stress Biology and Ecology

Message from the Guest Editors

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

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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.

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