

Special Issue

Ecology of Benthic Macroinvertebrate Communities Under Global Change

Message from the Guest Editor

Freshwater and coastal marine ecosystems around the globe are impacted by climate change and anthropogenic activity; however, the level of these impacts on benthic macroinvertebrates is not well known. This Special Issue deals with the responses of benthic macroinvertebrate communities to the main drivers of climate change, with a focus on matching ecological levels and human dimensions, across the micro, meso and macro scales. In this integrated approach, benthic macroinvertebrates may be sensitive to responses at different levels of biological organization, from the levels of individuals (e.g., metabolism) and populations (e.g., density, size structure), to the community level (e.g., biodiversity, size structure, ecological indicators). This Special Issue will also include articles on anthropogenic impacts on benthic biodiversity as an innovative approach to improving mitigation and conservation strategies by using AI as a tool for biodiversity assessment (DNA-based, ROUV (remotely operated underwater vehicle)).

Guest Editor

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Message from the Editor-in-Chief

Diversity (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.

We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

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