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Freshwater Macroinvertebrates: Main Gaps and Future Trends

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Message from the Guest Editors

Freshwater macroinvertebrates play a crucial role linking sediments and their processes to the food web. Indeed, environmental modifications (e.g., nitrogen deposition, salinity, and temperature increase), pollution (e.g., pesticides and heavy metals), and introduction of alien species are the main drivers of changes that are affecting their communities.

This Special Issue aims to present the past and present knowledge on freshwater macroinvertebrates to understand their role as providers of ecosystem services, to highlight the effects of global changes on their community (in the short and long term), and to underline major gaps in their study.

A special emphasis will be dedicated to pristine high-altitude streams and lakes, wetlands, lowland rivers, and ponds and to the usefulness of [...].

Finally, in order to tackle the currently unsustainable use of freshwater natural capital, we welcome ideas and expert opinions on the development of future research linked to national and international regulations.

For further reading, please follow the link to the Special Issue Website at:

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Freshwater_Macroinvertebrates



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Special Issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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