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Biology and Ecology of Zooplankton: Latest Advances and Prospects, 2nd Edition

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Message from the Guest Editor

Zooplankton performs a crucial role in aquatic ecosystems, including active grazing on algae, detritus and various heterotrophs, taking part in nutrient regeneration, and providing food for fish and planktivorous organisms. Planktonic animals directly and indirectly support ecosystem services, including by clearing water through the top-down control of algae and bacteria and supporting freshwater fauna for human consumption. In recent decades, this group have been subjected to strong human forces that have generated new challenges, including synthetic pollution, eutrophication, invasions by new taxa, and physical and chemical changes in aquatic ecosystems accelerated by climate change.

In this context, I invite you submit contributions for inclusion in this Special Issue. The specific topics may include, but are not limited to, the following:

- Zooplankton communities as indicators of environmental changes;
- Planktonic animals as invaders and casualties of biological invasions;
- The impact of pollution on zooplankton biology and ecology;
- The influence of catchment processes on freshwater and marine zooplankton;



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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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