



Biology and Ecology of Zooplankton: Latest Advances and Prospects

Guest Editor:

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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 being food for fish and planktivorous organisms. Planktonic animals directly and indirectly support ecosystem services, including by clearing water through 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 produced new challenges, including synthetic pollution, eutrophication, invasions of new taxa and physical and chemical changes in aquatic ecosystems accelerated by climate change.

The specific topics may include, but are not limited to:

- Zooplankton communities as indicators of environmental changes;
- Zooplankton and climate 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;
- Zooplankton as a potential harvestable resource;
- Metabarcoding of zooplankton.





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Message from the Editor-in-Chief

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