

Special Issue

Microbiodiversity Profiling as a First Step towards Better Management of Freshwater Ecosystems

Message from the Guest Editor

Despite the efforts of governments and conservation organizations to protect rivers, lakes, wetlands, and subsurface aquifers, many of them are being severely damaged by human activities. Consequently, monitoring, planning, or assessing the performance of remediation measures to guard freshwater ecosystems constitutes an urgent need and a challenge in environmental protection. Microbial communities are sensitive to all disturbances of their habitat. The recent development of new methods for estimating microbial biodiversity and function enables detecting factors responsible for shaping specific microbial community composition and role in relation to environmental factors, including those of anthropogenic origin.

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- Biodiversity
- Freshwater Ecosystems
- Microbial Communities
- NGS Sequencing
- Sustainability

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