



Freshwater Biophysical Ecosystem Health

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Deadline for manuscript
submissions:

closed (10 October 2021)

Message from the Guest Editors

A healthy freshwater ecosystem has ecological integrity when it can maintain its structural and functional evolution over time while facing external stress. An ecosystem's health refers to the health of all its living and non-living physical components. A consistent assessment of ecological integrity requires evaluation of the biological status and the causes of impairment. Over the last decades, efforts have been made in developing and refining indicators to assess the biological status of aquatic ecosystems. A range of freshwater variables can be used to measure ecosystem health, such as biochemical and microbiological water quality as well as physicochemical and ecological aspects such as habitat quality, biological diversity, and ecosystem functionality. On the other hand, the integration of biological endpoints or biomarkers (molecular, biochemical, and physiological markers) can clarify issues of contaminant bioavailability, bioaccumulation, and e





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Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

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