

## Special Issue

# Impact of Climate Change on Structural and Functional Characteristics of Freshwater Ecosystems and Its Implications for Their Resources' Management

### Message from the Guest Editors

Freshwater ecosystems, such as lakes, rivers, and wetlands, are vital for water supply, nutrient cycling, and biodiversity conservation. However, they face increasing threats from climate change, which alters temperature, precipitation, and hydrological cycles. These changes affect ecosystem structure, including species composition and habitat diversity, while also disrupting critical functions like primary production and nutrient cycling. Such impacts pose significant challenges for natural resource managers tasked with maintaining ecosystem stability and services. Research is essential to develop adaptive strategies that mitigate climate change impacts, safeguard biodiversity, and promote ecosystem resilience. This Special Issue focuses on topics including, but not limited to: AI applications, biodiversity, biological assemblages, climate change, ecological resilience, ecosystem services, freshwater ecosystems, nutrient cycling, and temperature dynamics.

### Guest Editors

Dr. Franca Sangiorgio

Department of Biological and Environmental Sciences and Technologies, DiSTeBA, University of Salento, Via Monteroni 165, 73100 Lecce, Italy

Dr. Maurizio Pinna

Department of Biological and Environmental Sciences and Technologies, DiSTeBA, University of Salento, Via Monteroni 165, 73100 Lecce, Italy

### Deadline for manuscript submissions

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## Biology

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*Biology*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biology@mdpi.com](mailto:biology@mdpi.com)

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Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

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