



Frontiers in Freshwater Ecology, Conservation and Water Treatment Technologies

Guest Editors:

Dr. Ana Maria Antão Gerales

1. Centro de Investigação de Montanha (CIMO), Instituto Politécnico de Bragança, Campus de Santa Apolónia, 5300-253 Bragança, Portugal
2. Laboratório Associado para a Sustentabilidade e Tecnologia em Regiões de Montanha (SusTEC), Instituto Politécnico de Bragança, Campus de Santa Apolónia, 5300-253 Bragança, Portugal

Dr. Cristina Sousa Coutinho Calheiros

1. Interdisciplinary Centre of Marine and Environmental Research (CIIMAR/CIMAR), University of Porto, Novo Edifício do Terminal de Cruzeiros do Porto de Leixões, Avenida General Norton de Matos, S/N, 4450-208 Matosinhos, Portugal
2. Institute of Science and Environment, University of St. Joseph, Rua de Londres 106, Macao 999078, China

Message from the Guest Editors

Freshwater ecosystems are biodiversity ‘hotspots’ and offer a wide range of services to humanity, particularly in regards to water and food supplies, aesthetic, spiritual and scientific stimuli, and water purification. Despite the well-known importance of these ecosystems, they are threatened and face complex challenges. This special issue welcomes papers addressing the following topics:

Freshwater ecosystem conservation and management;
Freshwater ecosystem restoration and rehabilitation;
Freshwater biodiversity;
Effects of climate change in freshwater ecosystems;
Water quality monitoring;
Water resources system models;
Urban water management;
Water footprint;
Freshwater pollution and contaminants;
Water treatment technologies;
Water circular economy;
Water policy;
Education and awareness;
Other relevant topics.



manuscript

November 2022)

mdpi.com/si/77050

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)