Special Issue

Trends and Prospects of Wastewater Treatment: Implications for Aquaculture and Water Quality

Message from the Guest Editor

The optimal management of wastewater, particularly in the context of aquaculture, has emerged as a critical challenge for sustainable development worldwide. Aiming to promote sustainable and smart aquaculture, this Special Issue will explore cutting-edge advancements, policy frameworks, and innovative strategies in wastewater treatment, especially regarding impacts on aquaculture and water quality. In particular, research relevant to advanced biotechnological and physicochemical treatment systems, circular aquaculture systems, policy-driven sustainability, and smart and digitalized monitoring for precision management is welcome in this Special Issue.

Guest Editor

Prof. Dr. Dezhao Liu

College of Biosystems Engineering and Food Science, Zhejiang University, Hangzhou 310027, China

Deadline for manuscript submissions

20 November 2025



Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/238402

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applisci@mdpi.com

mdpi.com/journal/applsci





Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



About the Journal

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 multidimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

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

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

