Special Issue

Contaminants Occurrence, Transport and Reactivity in Aquatic Ecosystems and Utilities

Message from the Guest Editors

Nearly every form of human activity strongly impacts the aquatic environment, from water intake and wastewater production to waste disposal and leachate leaks into groundwater and surface water. This activity, combined with natural phenomena and the rapidly changing climate, severely threaten the aquatic environment.

Possible consequences include periodical local shortages of water for drinking, domestic, agricultural and industrial purposes and a significant deterioration in water quality, limiting or completely preventing its use. These factors may hinder or inhibit the activites of fauna and flora, including those consumed by humans. Threats to the aquatic ecosystem include intensive, human-induced eutrophication, an increase in heavy metal concentrations and numerous contaminats, such as microplastics, pharmaceuticals and personal care products, polluting surface waters and groundwaters, seas and oceans. Contaminated water drawn for human use must undergo a complicated treatment process and poses a great risk to the users. In order to protect the aquatic ecosystem and improve human livelihoods, research is needed within the scope of this Special Issue.

Guest Editors

Prof. Dr. Michal Zielina
Prof. Dr. Andrzej Bielski
Dr. Anna Młyńska

Deadline for manuscript submissions

closed (20 November 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/114318

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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 multi-dimensional 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, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

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