Special Issue

Environmental Processes and Their Control Strategies for New Chemicals in Water-Soil System

Message from the Guest Editors

A significant number of new chemicals, such as EDCs, PFASs, Roxarsone, engineering nanoparticles and microplastics, are present in the water-soil system and brings challenges for water and soil ecological environment protection. Recognizing the environmental processes for the new chemicals is fundamental for determining their fate and for predicting the associated risks. These recognitions benefit the design of efficient remediation strategies for contaminated water and soil and can ease challenges. The papers of this Special Issue will mainly focus on the environmental processes influencing fate and control strategies for new chemicals in water-soil systems from laboratorities to field scales. Other related topics such as quantitative modelling of environmental processes and application and mechanism studies of adsorbent nanomaterials for the effective removal or degradation of new chemicals will also be relevant for this Special Issue.

Guest Editors

Prof. Dr. Yaoguo Wu

School of Chemistry and Chemical Engineering, Northwestern Polytechnical University, Xi'an 710060, China

Dr. Yasong Li

Institute of Hydrogeology and Environmental Geology, Chinese Academy of Geological Sciences, Shijiazhuang, China

Deadline for manuscript submissions

closed (20 June 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/101438

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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