Special Issue

Ecology Impact of Heavy Metals

Message from the Guest Editor

Heavy metal pollution caused by human activities mainly refers to heavy metals with significant biological toxicity, such as mercury, cadmium, lead, chromium, and metal-like arsenic, which have serious impacts on human health and ecological security. Heavy metals easily form organometallic compounds or organic ligand complexes with organic compounds in the environment or take part in redox reactions to change their valence; thus, the diversity of chemical forms, chemical states, and bioaccumulation of heavy metals are related to their toxicity and ecological effects. The study of the source, distribution, circulation, enrichment, migration, and transformation of these heavy metals and their effects on ecology and toxicity mechanisms is helpful in order to formulate effective prevention and control strategies. In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in the field of the ecological impact of heavy metals. Both theoretical and experimental studies are welcome, as well as comprehensive review and survey papers.

Guest Editor

Dr. Zhujian Huang

College of Natural Resources and Environment, South China Agricultural University, Guangzhou 510642, China

Deadline for manuscript submissions

closed (20 August 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/96331

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)