Special Issue

Novel Technologies for Heavy Metals Removal from Contaminated Soil

Message from the Guest Editors

Heavy metal pollution is a major global concern as human activities such as ore mining and smelting, industrial activities, agriculture, and improper disposal of waste increase the input of this element to environmental components. The major purpose of environmental remediation is to restore contaminated sites or resources to reduce the negative impact of the pollutants on human health and the environment. There are various remediation technologies, e.g., thermal techniques, physical and chemical techniques, and biological techniques such as microbial degradation and phytoremediation; however, there are still multiple challenges associated with remediation as heavy metals are considered as potentially toxic to soil biota and plants, reducing the effectiveness and efficiency of the process. This Special Issue welcomes articles on these and other themes relating to soil heavy metal pollution and remediation.

Guest Editors

Dr. Agnieszka Medyńska-Juraszek

Institute of Soil Science, Plant Nutrition and Environmental Protection, Wrocław University of Environmental and Life Sciences, ul. Grunwaldzka 53, 50-357 Wrocław, Poland

Prof. Dr. Anna Karczewska

Institute of Soil Science and Environmental Protection, Wrocław University of Environmental and Life Sciences, 50-375 Wroclaw, Poland

Deadline for manuscript submissions

closed (30 September 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/47732

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)