

Special Issue

Sustainable Phytoremediation of the Polluted Soil

Message from the Guest Editors

Heavy metal contamination is a common environmental problem worldwide and is a serious threat to wild, agricultural and aquatic ecosystems, as well as human health. Their removal from the soil and water usually requires technologies such as reverse-osmosis, ion-exchange, electrodialysis, adsorption, etc. Most of them are quite expensive, energy intensive and metal specific.

Phytoremediation is a biological, cost-effective and eco-friendly clean-up methodology that uses plants and their associating micro-organisms to degrade, remove or remediate contaminants from soil and water and for the restoration of their properties.

This Special Issue will cover the following themes: phytoremediation; eutrophication in aquatic ecosystems; water and sediment pollution; wetlands remediation; soil remediation; modeling of heavy metal uptake; and bioindicators. The goal of this Special Issue is to provide assessment, evaluation and solutions for the problems related to soil/sediment and water pollution.

Guest Editors

Prof. Dr. Kamal H. Shaltout

Prof. Dr. Ebrahim M. Eid

Prof. Dr. Tarek M. Galal

Deadline for manuscript submissions

closed (10 April 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/94132

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

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)