Special Issue

Sustainable Bioremediation of Heavy Metals and Dyes Pollution

Message from the Guest Editor

Dyes and heavy metals are two major groups of pollutants that contaminate the water bodies with discharge from various industries, such as the textile and dyeing industry, leather tanning, paper and pulp, electroplating, pharmaceutics, food processing and mining industries. Heavy metals, and sometimes dyes, also contaminate the soil, affecting plant growth and productivity. Plant-based phytoremediation, which may also be microbe-assisted, has been found to be a successful approach to decontaminate such polluted sites. The following themes would be of particular interest (note that this list is not exhaustive):

- Studies on various microbial systems for bioremediation of metals/dyes;
- Studies elucidating mechanisms of bioremediation of metals/dyes;
- Bioelectrochemical approaches (MFC, MEC) for bioremediation of metals/dyes and resource recovery;
- Ecotechnological approaches (constructed wetland) for dye/ heavy metal removal;
- Phytoremediation approaches;
- Hybrid systems for metal/dye bioremediation;
- Bio-nanotechnological studies for dye/metal removal;
- Pilot-scale studies on bioremediation with technical and economic feasibility analysis.

Guest Editor

Prof. Anubha Kaushik

University School of Environment Management, Guru Gobind Singh Indraprastha University, New Delhi 110078, India

Deadline for manuscript submissions

closed (30 October 2021)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/75714

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

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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