Special Issue

Heavy Metal Determination and Removal

Message from the Guest Editors

The pollution of heavy metals is a special concern due to their non-biodegradability, persistence and tendency to accumulate in the environment. Several techniques have been reported for the removal of toxic heavy metal ions from aqueous solutions. Some of the methods are costly and inefficient in controlling the toxicity levels in wastewater, and all traditional techniques have advantages and disadvantages in terms of their effectiveness, cost, and environmental impact. Therefore, the development of efficient and cost effective material or a new technique for the detection and removal of heavy metal remains a challenging task for environmentalists. This Special Issue aims to present the latest research related to advanced techniques for the determination of heavy metal, and the development of a sustainable system for the removal of toxic metals from contaminated water. Research reports associated with the determination and removal of heavy metal from soil are also welcome.

Guest Editors

Prof. Seung-Mok Lee
Prof. Dr. Jae-Kyu Yang
Prof. Dr. Diwakar Tiwari

Deadline for manuscript submissions

closed (30 September 2017)

Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.7

mdpi.com/si/8070

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

mdpi.com/journal/metals

Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.7

mdpi.com/journal/metals

About the Journal

Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

Editor-in-Chief

Prof. Dr. Yong Zhang
Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).

MDPI