Special Issue

Emerging Remediation Technologies for PFAS-Contaminated Soils

Message from the Guest Editors

This Special Issue, titled "Emerging Remediation Technologies for PFAS-Contaminated Soils", focuses on the latest advancements in addressing the pervasive environmental challenge posed by poly- and perfluoroalkyl substances (PFAS) contamination in soils. PFASs, known for their persistence and resistance to degradation, pose significant risks to ecosystems and human health. This Issue compiles cutting-edge research on innovative remediation technologies, including physical, chemical, and biological approaches, to effectively mitigate PFAS contamination. Key topics include novel adsorption materials, advanced oxidation processes, electrochemical methods, and phytoremediation techniques. This Special Issue aims to highlight the effectiveness, scalability, and sustainability of these emerging solutions, providing a comprehensive overview for researchers, policymakers, and environmental practitioners. By showcasing successful case studies and experimental breakthroughs, this collection of studies seeks to drive forward the development and implementation of effective strategies to remediate PFAS-contaminated soils and protect environmental and public health.

Guest Editors

Dr. Hamidreza Sharifan

Department of Chemistry and Biochemistry, The University of Texas at El Paso, 500 W. University Ave., El Paso, TX 79968, USA

Dr. Xingmao Ma

Department of Civil and Environmental Engineering, Texas A&M University, College Station, TX 77843, USA

Deadline for manuscript submissions

closed (18 July 2025)

Toxics

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/208507

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

mdpi.com/journal/toxics

Toxics

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/toxics

MDPI

About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

Editor-in-Chief

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18, 08034 Barcelona, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Toxicology) / CiteScore - Q1 (Chemical Health and Safety)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).