

Special Issue

Bioremediation of Soils Contaminated with Pharmaceuticals, Pesticides, Petroleum and Other Organic Compounds

Message from the Guest Editor

Although pharmaceuticals (especially antibiotics and non-steroidal anti-inflammatory drugs), pesticides, petroleum, and other organic compounds have human benefits, their widespread and continuous use is a major problem as they pollute soils and affect non-target organisms. Since the abovementioned compounds may not degrade immediately after introduction into soil and because their large residues are detected in this environment, there is an urgent need to remediate polluted soils. Various remediation technologies have been developed for this purpose; however, bioremediation, which involves bioaugmentation and/or biostimulation and is a cost-effective and eco-friendly approach, has emerged as the most advantageous method for cleaning up contaminated soils. In this context, this Special Issue of *Toxics* welcomes researchers all over the world to contribute with original articles and reviews addressing the latest knowledge about bioremediation of soil contaminated with organic pollutants. Research areas may include (but are not limited to) the following:

- Levels of soil contamination with pharmaceuticals, pesticides, petroleum, [...]

Guest Editor

Dr. Mariusz Cycon

Department of Microbiology and Virology, School of Pharmacy with the Division of Laboratory Medicine, Medical University of Silesia, Sosnowiec, Poland

Deadline for manuscript submissions

closed (31 August 2022)



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/112138

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

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



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).