



toxics



an Open Access Journal by MDPI

Techniques and Methods for Toxic Agent Analysis and Removal

Guest Editors:

Prof. Dr. Petru Negrea

Faculty of Industrial Chemistry
and Environmental Engineering,
Politehnica University Timisoara,
Victoriei Square no. 2, 300006
Timisoara, Romania

Dr. Nicoleta Sorina Nemeş

Research Institute for Renewable
Energies—ICER, Politehnica
University Timisoara, Gavril
Musicescu no. 138, 300501
Timisoara, Romania

Deadline for manuscript
submissions:

13 December 2024

Message from the Guest Editors

Inorganic and organic compounds are an essential part of our daily life. An increasing number of toxic agents (heavy metals, polycyclic aromatic hydrocarbons, pesticides, xenobiotics) provided by industrial activities, waste storage, agricultural activities and traffic from large urban centres cause air pollution or enter into the aquatic environment and are absorbed into aquatic organisms.

In recent years, the interest and attention of the scientific community for the development of improved analytical methods and techniques for the analysis and removal of pollutants have increased, especially monitoring of traces of these pollutants.

Innovative methods for the determination of trace amounts of heavy metals, anions, and organic compounds are needed, including methods that do not generate toxic by-products or poisonous residues.

An important role in human health and toxicology studies is the balance between environmental pollutants and antioxidant defences in biological systems. Based on these considerations, this Special Issue aims to attract high-level research in the field of removing toxic agents from water, air, soil, with the aim of protecting the environment and human health.



mdpi.com/si/194579

Special Issue



toxics



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Demetrio Raldúa

Department Environmental
Chemistry, IDAEA-CSIC, Jordi
Girona 18, 08034 Barcelona,
Spain

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [Embase](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q1 (Toxicology) / CiteScore - Q2 (*Chemical Health and Safety*)

Contact Us

Toxics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxics
toxics@mdpi.com
[X@@Toxics_MDPI](#)