

Special Issue

Enhancing Safety in Emerging Nanomaterials: Innovations in Synthesis and Toxicological Assessments

Message from the Guest Editors

The focus of this Special Issue is twofold: first, it seeks to present original research, short communications, and reviews on methods to control and reduce the toxicity of ENMs during their production. The range of articles includes innovations in chemical processing and material engineering that prioritise safety without compromising the functionality of ENMs. Second, the issue aims to highlight studies on the long-term ecotoxicological impacts of ENMs, moving beyond the scope of standard testing protocols to include prolonged exposure durations and concentrations that reflect predicted environmental levels. Special attention is given to sub-lethal endpoints like surface adhesion, ingestion, and internalization, which serve as early warning indicators of toxicity.

Guest Editors

Dr. Swaroop Chakraborty

School of Geography, Earth and Environmental Sciences, University of Birmingham, UK

Dr. Arianna Bellingeri

Department of Physical, Earth and Environmental Sciences, University of Siena, Siena 53100, Italy

Deadline for manuscript submissions

30 November 2024



Toxics

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 4.5
Indexed in PubMed



mdpi.com/si/206595

Toxics

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 3.9
CiteScore 4.5
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 - Q2 (Chemical Health and Safety)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).