

Special Issue

Effects of Exposure to Micro- and Nanoplastics on Maternal and Child Health

Message from the Guest Editor

Micro- and nanoplastics (MNPs) have emerged as ubiquitous environmental contaminants, with increasing concern surrounding their potential impacts on human health. Despite increasing evidence of their bioaccumulation and systemic distribution, the specific effects of MNP exposure on maternal and child health remain critically understudied. This Special Issue of *Toxics* aims to compile cutting-edge research that elucidates the mechanisms of MNP toxicity during pregnancy, fetal development, and early childhood. We welcome submissions addressing experimental, epidemiological, or modeling studies that investigate MNP exposure pathways, placental transfer, endocrine disruption, immunotoxicity, neurodevelopmental outcomes, and transgenerational effects. Interdisciplinary contributions integrating environmental science, toxicology, reproductive biology, pediatrics, and public health are particularly encouraged. By assembling high-quality international research, this Special Issue will advance our understanding of how MNPs affect vulnerable populations and inform risk assessment and regulatory policies.

Guest Editor

Prof. Dr. Antonio Ragusa
Obstetrics and Gynecology Unit, Sassuolo Hospital, 41049 Sassuolo, Italy

Deadline for manuscript submissions

27 January 2026



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/246132

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).