



toxics



an Open Access Journal by MDPI

Environmental Exposure to Microplastics: Effects on Animals and Human Health

Guest Editor:

Dr. Lei Su

SHOU-College of Marine Ecology
and Environment, Shanghai
Ocean University, Shanghai
201306, China

Deadline for manuscript
submissions:

closed (30 March 2024)

Message from the Guest Editor

The study of microplastics and its related issues has slowly gained traction in the field of environmental science over the past 20 years. Several resources have been devoted to measuring the amount of microplastics in various media. Its widespread use has led to serious concern regarding the effects that they may have on human health and the environment. Yet, it is still unclear how hazardous and dangerous microplastics and nanoplastics are in actual ecosystems. In addition, the experimental evidence based on animals is not sufficient to support any models. We invite contributions that cover all aspects of the topic, resulting from the exposure of microplastics and nanoplastics on animals and humans. The endpoints comprise all conceivable direct and indirect effects. Indeed, observations can be made based on transportation and excretion, subcellular impacts, and biomarker responses. The scope also includes the sorption, desorption, leaching, and toxicity of the related substances. Further, a useful contribution to the special topic may originate from a meta analysis based on the present datasets.



mdpi.com/si/166540

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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/toxics
toxics@mdpi.com
X@Toxics_MDPI