

## Special Issue

# Ecotoxicological Effects of Microplastics on the Soil Environment

### Message from the Guest Editors

Humans are highly dependent on plastics from infancy to adolescence because of their outstanding properties, low cost, and versatility. Some studies have illustrated that the presence of microplastics in soils arises from various other sources: groundwater, irrigation, and air. It is worth noting that the presence of microplastics in the soil compartment can be magnified by the presence of some associated contaminants, such as heavy metals and persistent organic contaminants. A couple of studies have reported that the presence of microplastics in soils affects the physical and chemical properties of soil. Despite an increased awareness of microplastic effects on environmental issues such as agriculture, ecological services, and soil fertility, little is known of the cumulative ecological effects of microplastics in the environment. To ensure that the effects of microplastics are properly understood and addressed, multidisciplinary approaches and studies are necessary. This Special Issue aims to explore the ecotoxicological effects of microplastics on the soil environment.

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### Guest Editors

Prof. Dr. Rogers Wainkwa Chia  
Dr. Charles Amanze  
Dr. Modupe Elizabeth Ojewumi

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### Deadline for manuscript submissions

closed (31 December 2025)



## Toxics

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## 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.

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### Editor-in-Chief

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