

Special Issue

Micro- and Nanoplastic Pollution in Agricultural Soils

Message from the Guest Editors

Plastic pollution is a globally escalating environmental threat, pervasive across diverse ecosystems. Contamination in agricultural soils demands urgent attention due to its direct implications for food safety. Micro- and nanoplastics accumulate in farmland, altering soil physicochemical properties, disrupting structure, reducing biodiversity, and impairing biogeochemical cycles. These particles may enter the food chain via crop uptake, bioaccumulate in humans, and pose health risks. However, critical knowledge gaps persist regarding the source identification and ecological impacts of micro- and nanoplastics in agricultural soils.

This Special Issue will focus on source identification and analysis of micro- and nanoplastics, aging processes of micro- and nanoplastics, plasticizers in micro- and nanoplastics and their release and environmental impacts, effects of micro- and nanoplastics on soil structure, soil chemical properties, soil biota, and elemental cycling, transport and transformation of micro- and nanoplastics in the soil-plant system, and green plastic products for agricultural use. All types of articles, such as original research, opinions, and reviews, are welcome.

Guest Editors

Dr. Hu Cheng

College of Ecology and Environment, Nanjing Forestry University,
Nanjing 210037, China

Dr. Yan Zhu

College of Ecology and the Environment, Nanjing Forestry University,
Nanjing 210037, China

Deadline for manuscript submissions

30 September 2026



Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



mdpi.com/si/257355

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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), GEOBASE, PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)