

## Special Issue

# Migration and Diffusion of Heavy Metals and Metalloids in Agri-Soil Systems

### Message from the Guest Editors

Agricultural soil is a long-term sink for heavy metals and metalloids. The accumulation, diffusion, and migration of heavy metals and metalloids in agricultural soil systems pose a serious threat to the health of the agricultural ecosystem, animals, and humans. Therefore, it is of vital importance to gain a deeper understanding of the characteristics of diffusion and migration of heavy metals and metalloids in agricultural soil systems. This Special Issue welcomes scientific contributions to the aforementioned topic. High-quality original research and reviews are accepted. Areas of interest for this Special Issue include, but are not limited to, the following:

- The migration and transformation of heavy metals and metalloids in soil and plants;
- Sources and accumulation of heavy metals and metalloids in agricultural systems;
- Distribution and forms of metal(loid)s in agri-soil systems;
- Environmental or health risk assessment on the migration of metal(loid)s;
- Mathematical modeling and numerical simulation for the migration of metal(loid)s on regional or large scales;
- Amendments to reduce the bioavailability and plant accumulation of metal(loid)s in agricultural soil.

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### Guest Editors

Dr. Zhiming Zhang

Prof. Dr. Rupali Datta

Dr. Chenxi Zhai

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### Deadline for manuscript submissions

5 September 2025



## Agriculture

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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### Editor-in-Chief

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