

## Special Issue

# Soil Microbial Mediation of Trace Element Uptake in Plants

### Message from the Guest Editor

Soil microbial communities play a pivotal role in regulating the uptake, transport, and distribution of trace elements in soil–plant systems. Their interactions with plant roots and rhizospheric processes influence the bioavailability, detoxification, and mobility of both essential and non-essential trace elements. These functions become especially critical under nutrient-limited or contaminated conditions. However, despite increasing recognition of their importance, the specific microbial functions, interactions, and context-dependent responses across varying soil and crop systems remain inadequately understood. Studies that integrate the physiological, molecular, ecological, and soil biogeochemical mechanisms involved in these processes are invited. Submissions relevant to primary food production and security, nature-based remediation, and sustainable agriculture are also highly encouraged.

### Guest Editor

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### Deadline for manuscript submissions

30 April 2026



## Plants

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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