## Special Issue

# Migration and Transformation Processes and Environmental Effects of Microplastics in Soil

### Message from the Guest Editor

Micro/nanoplastics are increasingly recognized as pervasive pollutants in terrestrial ecosystems, particularly in soils. The fate of micro/nanoplastics in soils is determined by various factors, including soil properties, pH, organic matter content, moisture content, and microbial activity, among others. Studies indicate that micro/nano plastics can be retained within the soil matrix, affecting their degradation rates and potential for transport. Micro/nano plastics may undergo fragmentation or aggregation, altering their environmental behavior. In addition, micro/nano plastics can disrupt soil ecological communities, potentially leading to reduced microbial diversity and altered nutrient cycling. This special issue aims to expand on the current research status of micro/nanoplastics in soils. Some potential topics include the fate of micro/nanoplastics in soil, risk assessment of environmental micro/nanoplastics, and the impact of micro/nanoplastics on soil ecosystems. Research, review, and opinion articles concerning our current knowledge of the fate and environmental effects of microplastics in soil are invited.

### **Guest Editor**

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### Deadline for manuscript submissions

31 October 2025



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### **Editor-in-Chief**

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