

Special Issue

Recent Advances in Plastic Waste Management in Agriculture Soils

Message from the Guest Editors

Plastic pollution research has focused on the source, separation/analysis method, abundance detection, environmental behavior and ecological effects of plastic in the marine and tidal flat environment. Some have pointed out that soil may be a larger plastic storer than the ocean, as the plastic storage capacity of soil is about 4-23 times that of the ocean. Therefore, plastic pollution in the soil environment cannot be ignored. At present, the main plastic pollutants in farmland soil that are closely related to people's production and life include plastic film and seedling floating plate pollution. In Issue, we solicit papers on the following topics: Effects of residual mulch film on the assembly of degrading microbial communities; Cleaning, recycling and sustainable utilization of waste seedling floating trays; Degradation of biodegradable microplastics in agricultural soils; Effect of microplastics on soil elements cycling in the farmland soil; Interaction of emerging contaminants with microplastics and the effect on soil organisms; Analytical technology for microplastics and organic pollutants; Metabolic change in plants and soil due to microplastics and organic pollutants.

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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