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## Terrestrial Microplastics in Soil and Water

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### Message from the Guest Editor

Plastics are a frequently observed component of marine debris, and there is growing concern about microplastic ecotoxicity and the impacts of sorbed hazardous organic contaminants, heavy metals, and biofilm on microplastic surfaces. Rivers are considered a major source of plastic marine debris; however, the relative importance of microplastics from different terrestrial and freshwater sources (e.g., storm water runoff, wastewater effluents, and application of agricultural soil amendments to land) is poorly understood and limits our ability to develop best management practices to eliminate their occurrence in and transport to marine systems. Prior studies have highlighted diverse secondary sources of microplastics, including fibers from clothing, application of sewage sludge to land, tires, construction activities, artificial turf, and improper waste disposal, and background levels of plastics in freshwater. Studies quantifying the importance of these various sources of plastics to freshwater and terrestrial systems are lacking.



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## Message from the Editor-in-Chief

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