Special Issue

Terrestrial Microplastics in Soil and Water

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.

Guest Editor

Prof. Dr. Shannon L. Bartelt-Hunt

Department of Civil Engineering, University of Nebraska-Lincoln, Peter Kiewit Institute, Omaha, NE 68182-0178, USA

Deadline for manuscript submissions

closed (31 October 2020)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/30567

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI