



water

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Microplastics Pollution and Solutions

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Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editors

Plastic products are necessities for human life and the global annual output of plastic has exceeded 380 million tons. A large number of plastic wastes remaining in the environment have the characteristics of large quantity and wide distribution, and are easy to be both swallowed by organisms and accumulated in the food chain. In addition, because of their charge, high specific surface area and hydrophobicity can be used as carriers to transport different kinds of pollutants, causing great pollution and potential threats to the environment. The plastic pollutants in aquatic and soil environments are decomposed after a long ageing process, in which it is easy to form microplastics. In this Special Issue, we solicit papers on the following topics:

1. Spatial–temporal distribution, migration, and fate of microplastics in the environment;
2. Interactions between heavy metals, organic pollutants, and microplastics;
3. Control, management, and policies of microplastic pollution in the environment;
4. Ageing process of microplastics in the environment;
5. Interactions between biofilms and microplastic surface changes;
6. Optimal degradation efficiency of microplastics in the environment.



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Special Issue



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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.

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