Special Issue

Recent Research Advances in Microplastics in Water and the Environment

Message from the Guest Editors

Microplastics have been found in abundance across the environment, from remote mountains to the deepest ocean. Scientists are still trying to understand the fate and transport of these human-made pollutants once they are released into the environment. Microplastic research is highly interdisciplinary, employing approaches from field observations and laboratory and bench scale experimentation to computational modeling. However, there are currently many research gaps, such as the lack of a standard analysis procedure, the lower quality of the reported data, and the lack of a deeper understanding of the mechanisms of the fate and transport of this type of pollutant in water systems and the terrestrial environment, highlighting the importance of this research area. This Special Issue will welcome the following themes:

- Summary of current and emerging challenges in microplastic research in water bodies;
- Novel approaches to collect and analyze microplastic particles in water bodies and the environment;
- Hydrological simulation of microplastic transport and delivery at the watershed scale;
- Fate and transport of microplastics in aquatic ecosystems and the terrestrial environment.

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Message from the Editor-in-Chief

Hydrology is the study of the waters of the Earth. *Hydrology* has close ties with hydraulics, hydrogeology and the multiple sciences that study the atmosphere, the land surface, the soil and the subsoil, and ranges from complex problems of risk, forecasting and optimization of water resources to interactions with ecological, urban, social and economic systems. The purpose of *Hydrology* is then to provide a journal where research results and real-world problems can be presented and discussed in order to bridge the traditional gaps between the academic world and the professionals and decision makers. Therefore, *Hydrology*, invites authors to submit their original theoretical, field, experimental, and numerical studies on hydrology with strong emphasis on multidisciplinary approaches and interdisciplinary topics, which cross the typical boundaries of our science.

Editor-in-Chief

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