

Special Issue

Microplastics in Water Environments: Methods, Occurrence, and Sources

Message from the Guest Editors

As an emerging contaminants, microplastics of a diameter less than 5mm have been attracting special attention from both academics and government decision-makers since the term was initially coined by Richard C. Thompson. The concentration unit of microplastics is also kaleidoscopic. This means that microplastic data are often not directly comparable. Meanwhile, knowledge regarding the toxicity of microplastics is also debatable. Furthermore, the understanding of microplastics in different environments is in imbalance, with a significantly larger number studies available on microplastics in sediment and soil than in water. Therefore, this Special Issue aims to cover the following aspects:

- Development of innovative methods and approaches for collection, measurement, online monitoring of microplastics;
- Identification of occurrence and sources of microplastics in water bodies such as lakes, wetland, rivers, and seas;
- Evaluation of biotoxicity of microplastics, released plasticizer, and adsorbed pollutants;
- Other themes around environmental behavior and ecological effects of microplastics in water environment.

Guest Editors

Prof. Dr. Xueqiang Lu

Tianjin Key Laboratory of Environmental Technology for Complex Trans-Media Pollution, and Tianjin International Joint Research Center for Environmental Biogeochemical Technology, College of Environmental Science and Engineering, Nankai University, Tianjin 300350, China

Dr. Chengtao Li

School of Environmental Science and Engineering, Shanxi University of Science and Technology, Xi'an, China

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

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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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