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Microplastics Are Everywhere--Transport and Spread of Microplastics in Defined Areas

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Special Issue Introduction:

This Special Issue hopes to discuss and analyze the cycling and ecological effects of microplastics entering specific, defined areas of the Earth's aqueous environment and to assess their impact on ecosystems and human health. Methodologies, critical areas of concern and previously understudied areas of the planet will be emphasized. The purpose is to fully understand the distribution characteristics and migration rules of microplastics in these areas, identify the mechanism of their harm to the ecosystem and find practical ways to control and prevent them so as to help global microplastics investigation and international governance.

Proposed topics

1. Understanding the cycle process and ecological effects of microplastics entering aqueous ecosystems to determine the destination of these microplastics and improve the quality of the environment;
2. Analyzing particle size and distribution characteristics of surface and sediment microplastics in different areas, such as rivers, offshores, gulfs, straits, and islands, and providing basic data and technical support for relevant departments to formulate targeted management measures and improve the aqueous ecological environment;
3. The distribution of microplastics in remote and hard-to-reach regions, such as the deep ocean, Arctic and Antarctic seas, analyzing the factors affecting the dispersion of microplastics;
4. The enrichment, transport and effects of microplastics in aquatic organisms, and the ways in which this may affect biodiversity.

Keywords:

ecotoxicology; remote areas; microplastics methodology; geochemical cycles; invasive species; aqueous transport; marine microplastics, aqueous sediments; floating particles; migration patterns

Benefits to Authors:

1.The APCs($600) will be WAIVED;
2.Enjoy faster publication than regular submissions;
3.Authors of the special issue will be invited as Guest Speakers to our journal webinar. The webinar will be held via Zoom and it will also be broadcast live on Youtube and the Chinese WeChat Official Account, Video Account, Bilibili;
4.A special interview will be provided to authors and will be promoted on the journal homepage and all media promotion platforms of both journals and our publisher;
5.Publish articles will be vigorously promoted on our various social media platforms such as Twitter and LinkedIn.

Submission Deadline: 1 Sep 2023