



Microplastic Pollution in the Ocean

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Message from the Guest Editors

Plastics began to enter the ocean in increasing quantities in the 1950s from a wide variety of land- and sea-based sources. Reports of floating plastic microdebris in the North Atlantic, North Pacific, Bering Sea and Japan Sea were first published in the scientific literature in 1970s–1980s. Unfortunately, however, the topic was largely ignored by the scientific community for many years. The purpose of the Special issue is to publish the most exciting research with respect to the above subject and to give a rapid tool for the free publication and dissemination of the articles for research, teaching, and reference purposes. In particular, the following topics are suggested: innovative methods for the characterization and quantification of microplastics in water bodies; impact on the biosphere; methods for their elimination or for reducing their harmfulness; search for natural biodegradable materials that can replace the use of plastics.

Keywords

Microplastic in oceans; Key sources identification;

Fate and effects; Environmental impact and human health;

Behavior and modeling; Analytical techniques;

Case studies; Accumulation preventing and minimization





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Message from the Editor-in-Chief

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