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Effects of Micro- and Nano-Plastic Pollution on Marine Ecosystems and Human Health

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Deadline for manuscript submissions:
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Message from the Guest Editors

Micro- and nanoplastics (MNPs) are emerging environmental pollutants that pose a significant hazard to the marine ecosystem. MNPs may be ingested by a wide variety of marine species, including fish and shellfish, and thus elicit a number of negative effects on aquatic life. In addition, there is growing evidence that MNPs can be transported through the food chain, potentially threatening human health through seafood intake. As a result, this Special Issue focuses on, but is not limited to, the following topics: (1) the environmental behaviors and implications of MNPs in waters, sediments and biota from various marine ecosystems around the world; (2) the biological effects and mechanisms of MNPs alone and/or in combination with other anthropogenic pollutants or environmental stressors in marine organisms; (3) methodologies for determining MNP characteristics and risk assessment; (4) the risk assessment of MNPs for marine ecosystems and human health; (5) the potential transfer of MNPs along the marine food web and their consequent effects on human health.

The special issue website can be found at:

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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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