

Special Issue

Microplastic Pollution and Impact

Message from the Guest Editors

Microplastics are small plastic particles with a diameter smaller than 5 mm, and have been recognized as a new emerging contaminant. Given their recalcitrant nature, microplastics can persist for a long time in the environment. It has been found that microplastics can accumulate in food chains, with toxic effects on the reproduction and survival of various species. The potential risks and environmental fate of microplastics have been considered a global issue. As detected in soil, water, and air worldwide, microplastics are posing serious threats not only to the ecosystem, but also to human health. Moreover, microplastics can adsorb other contaminants, leading to their combined risks to the environment. To achieve a comprehensive environmental risk assessment and develop treatment technologies, in-depth knowledge of the occurrence, fate, and impact of microplastics is in urgent need.

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