Special Issue

Ecotoxicity of Microplastics

Message from the Guest Editor

Microplastics are ubiquitous and enduring in our environment. They exist in oceans, rivers, soil, and even airborne particles. Due to their diminutive size, they can penetrate ecosystems readily and persist for extended durations, posing a long-lasting environmental challenge. By comprehending their ecotoxicity, we can assess the extent of the harm they inflict on ecosystems over time and their impacts on human food sources. This special issue welcomes research or review papers exploring or critically presenting the detrimental impacts of microplastics across different environmental systems, including land and water ecosystems. Its scope also includes (1) how microplastics are introduced into the environment, their persistence within various ecosystems, and their effects on biodiversity; (2) the potential toxicity of microplastics to a diverse array of life forms, encompassing microorganisms, invertebrates, fish, and land animals, (3) their toxicity mechanisms such as physical harm, chemical leaching, and bioaccumulation, and (4) evaluation of their long-term effects on food webs and ecosystem health.

Guest Editor

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Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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