

Special Issue

Microplastics: From Characterization to Environmental and Biological Impacts

Message from the Guest Editors

This Special Issue aims at providing a broad and synergistic overview of the information gathered to date regarding the issue of microplastic pollution—an environmental threat that can be regarded as one of the greatest man-made disasters of our time but that has only recently received significant attention for its potential impacts. Due to the unique, omnipresent, and dispersive nature of microplastics and nanoplastics, future threats are inevitable and many knowledge gaps still persist, highlighting the need for further research in this field. This collection seeks to contribute to advances in the field. The latest information regarding origins of micro- and nanoplastics and their transport and dispersion across geographic, ecological, and biological systems are addressed. New information on the effects of these pollutants in living organisms of all biological groups, including future problems related to climate change, is assessed. Recent advances in detection and mitigation methods and strategies for future control of microplastics production, dispersal, and effects are discussed.

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Deadline for manuscript submissions

31 October 2025



Micro

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Impact Factor 1.9
CiteScore 3.2



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