

Special Issue

Nano/Micro Plastic and Emerging Plastic in the Environment: Monitoring, Analysis, and Remediation

Message from the Guest Editors

The ubiquitous presence of plastic pollution has emerged as a pressing environmental challenge. Detecting, analyzing, and quantifying microplastics/nanoplastics presents analytical challenges due to their diminutive dimensions, diverse chemical compositions, and propensity to undergo physical and chemical transformations in environmental matrices. Moreover, the dynamic nature of nanoplastic interactions with environmental components necessitates the development of novel analytical strategies. Challenges persist in elucidating the pathways through which nanoplastics infiltrate food webs, accumulate in biota, and potentially propagate adverse effects through trophic levels. Furthermore, the lack of standardized protocols and reference materials impedes progress toward a comprehensive understanding of their ecological implications.

Recommended topics of this special issue include, but are not limited to, the following:

- Characterization and detection methods
- Environmental fate and transport
- Nanoplastic behavior and fate
- Ecological impacts and risks
- Standardization and quality assurance
- Monitoring strategies and remediation technologies

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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