



Recent Study in Engineering Application of Microplastics and Nano Plastics

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Message from the Guest Editors

Micro/nano particles based on synthetic and natural polymers are finding increasing applications in several fields. micro/nano particles are also responsible for water, air and soil pollution together with secondary microplastics (MPs) and nano plastics (NPs), originating from plastic waste fragmenting and degradation. Although the huge interest, the chemical vector role of micro/nano plastics, their fate and the negative effects on the environment and human health is still under discussion and the investigations are still sparse. Moreover, the study of the MP/NP pollution relies on the availability of environmentally relevant engineered nano particles for toxicological, transport and adsorption studies in biological tissues.

This Special Issue is focused on the recent study in engineering application of microplastics and nano plastics, also including their production and characterization, recycling (downcycling or upcycling), degradation in air, soil or aquatic environments, adsorption of toxic chemicals and the risk for the environment and human health.





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