

# Impacts of Microplastics and Mitigation Strategies for Microplastic Pollution

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**Abstract:** *Microplastics are hazardous to the environment. As an emerging pollutant, its health hazards have been extensively studied. In this brief paper, we introduce the types of micro plastics, their properties, hazardous health effects of microplastics on the environment, and mitigation strategies for the microplastic pollution effects on the environment, and reveal the toxic effects of microplastic cells, organoids, and animals, which consist of DNA damage and neurotoxicity, which will be helpful for the best understanding of microplastic impacts and mitigation strategies. This paper examines the sources and pathways of microplastic pollution, explores the potential impacts on various organisms and ecosystems, and critically evaluates existing and prospective mitigation strategies aimed at reducing microplastic generation, release, and environmental accumulation..*

**Keywords:** Emerging pollutant, mitigation strategies, Hazardous, Environmental accumulation

