

Special Issue

Plastic Pollution Inventories and Impact Assessments for Science-Based Policy

Message from the Guest Editors

Plastic litter originates from many sources and has major environmental, economic, health, and cultural impacts. To address this urgent situation, there needs to be robust coordination and sustained action among stakeholders. Policy and governance measures are recognized as important elements of this action. Moreover, sustainability approaches such as life-cycle thinking, circular economy (CE), and environmentally sound management (ESM) strategies of waste management should be fully considered to address the issue of plastic litter. Traditional and innovative approaches such as waste profiling surveys, toolkits and databases, machine learning, and advanced modeling applications in the waste sector are all ways to fill the existing gaps in plastic litter inventory databases (such as life cycle inventories and transboundary plastic movement inventories) and ensure better impact assessment (life cycle impact assessment, toxicity assessment, and economic impact assessment). This Special Issue aims to compile original research papers, reviews, perspectives, and minireviews on the subject of marine plastic litter and microplastics.

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Deadline for manuscript submissions

closed (30 September 2023)



Sustainability

an Open Access Journal
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Impact Factor 3.3
CiteScore 7.7



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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