



## Sustainable Measures and Strategies for Waste Prevention and Management

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### Message from the Guest Editors

Waste generation is one of the most urgent problems that must be addressed to achieve sustainable development. Thus, waste management appears as a key topic to meet the Sustainable Development Goals (SDGs) adopted by the United Nations, being a central issue for sustainable production and consumption (SDG 12) and transversal to many others such as SDG 2 (by reducing food waste), SDG 11 (by improving waste management systems for healthy and resilient communities), or SDG 14 (by reducing plastic pollution in the ocean). Besides, the waste sector is a significant source of Greenhouse Gas emissions (mainly due to landfilling and dumping) and can play an important role to achieve SDG 13 on climate action.

Hence, designing sustainable measures and strategies for waste prevention and management to reduce both the quantity and the negative impacts on society (environmental, economic, and social) is a major challenge that requires advanced tools, and reliable methods and frameworks to support the decision-making process.





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