



Recent Advances in Waste Management and Recycling

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In recent years, the focus of waste management and recycling has shifted towards a circular economy and sustainable practices. This transition, however, is not uniform and varies by region, influenced by factors such as local economies, legislation, and public pressure. To make informed decisions on technological options, optimization and simulation models are necessary. However, there is still much room for improvement, both in technology as well as in modeling dimensions, such as the use of thermo-chemical valorization of waste or exploring waste streams to create marketable co-products. Acknowledging the important role of informal sectors in waste collection and recycling is also critical.

Overall, recent advances in waste management and recycling aim to transition to a circular economy and sustainable practices. In this Special Issue, the submission of manuscripts on the use of rigorous mathematical optimization and simulation models and innovative technologies to support localized waste management strategies, is welcome to contribute towards creating a cleaner and more sustainable future.





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Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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