

## Special Issue

# Circular Economy in Waste Management: Challenges and Opportunities

### Message from the Guest Editors

The transition to a circular economy has emerged as a critical pathway to addressing the growing challenges of resource depletion, environmental degradation, and waste generation. By rethinking traditional linear models of “take–make–dispose”, the circular economy emphasizes the importance of closing material loops, extending product lifecycles, and minimizing waste through reuse, recycling, and regeneration. Waste management, as a cornerstone of this transition, plays a pivotal role in enabling the efficient recovery and reintegration of resources into the economy. This Special Issue aims to provide a platform for researchers, practitioners, and policymakers to share insights, evidence, and innovative solutions that contribute to the circular economy agenda. We invite contributions that address topics such as waste valorization, circular design, resource recovery technologies, and behavioral interventions that promote sustainable waste management practices. Additionally, we welcome case studies, reviews, and interdisciplinary research that highlight the integration of circular economy principles into waste management systems.

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### Guest Editors

Dr. Charisios Achillas

Department of Supply Chain Management, International Hellenic University, 60100 Katerini, Greece

Dr. Dimitrios Aidonis

Department of Supply Chain Management, International Hellenic University, 60100 Katerini, Greece

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### Deadline for manuscript submissions

closed (31 March 2026)



## Environments

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*Environments*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[environments@mdpi.com](mailto:environments@mdpi.com)

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy

2. School of Environment, State Key Joint Laboratory of Environment Simulation and Pollution Control, Beijing Normal University, No. 19 Xijiekouwai Street, Beijing 100875, China

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