

Special Issue

Operations Research for Circular Economy

Message from the Guest Editors

In recent years, there has been an increased focus on sustainable practices to address environmental deterioration within the frameworks of the social and circular economy. The circular economy aims to minimize waste by reusing, repairing, refurbishing, and recycling resources. The integration of operations research (OR) in these domains is essential for optimizing processes, improving efficiency, and achieving sustainability goals. OR can be used to design efficient supply chains, optimize operations (e.g., inventory management, workloads, etc.), and streamline logistics for the collection, sorting, and distribution of reusable goods in an equitable manner to beneficiaries.

This Special Issue will contribute to a deeper understanding of how operations research can support the transition towards a more sustainable and equitable future. The focus remains on the technological aspects of operations research. It must be clear that submissions emphasizing managerial strategies or decision-making processes without a strong technological component will not be considered.

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Deadline for manuscript submissions

closed (20 June 2025)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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