



## Recycling Materials for the Circular Economy

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Deadline for manuscript  
submissions:

**closed (30 April 2023)**

### Message from the Guest Editors

Dear Colleagues:

Each year, about 90 billion tonnes of primary materials are extracted and used globally, with only 9% being recycled, leading to the depletion of non-renewable natural resources. A circular economy model considers preventing waste (material, pollution, energy, water, etc.) at the beginning by adopting responsible manufacturing/production options, and incorporates waste into the system. Lower wastage of materials, more commercially and environmentally sustainable system.

This Special Issue focuses on the recycling phase of the circular economy, at any phase of a system, aiming to reduce waste generated at the end. It aims to cover optimized design solutions that can ensure economic and environmental efficiency. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Resource recovery and recycling;
- Sustainable construction materials;
- Water use efficiency;
- Energy efficiency/recovery;
- Carbon-neutral processes and carbon offset;
- Zero waste;
- Emission reduction;
- Life cycle assessment.





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## Message from the Editor-in-Chief

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