



## Waste-to-Wealth: Waste Valorization into Sustainable Materials

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Deadline for manuscript submissions:

**closed (5 May 2024)**

### Message from the Guest Editor

Dear Colleagues,

Nowadays, it is clear that developing new materials must be in accordance with the circular economy model and balanced against sustainable resources. By valorizing waste for the fabrication of novel materials, not only the issue of waste management can be addressed, but also the newly developed materials can be used for addressing other global issues. The Special Issue aims to cover the state of the art of novel functional materials development via a sustainable upcycling of various waste and by-products for use in emerging applications.

The scope of this Special Issue includes, but is not limited to, the following areas:

- Advances in waste valorization and sidestream upcycling;
- Sustainable processes and production;
- Development and characterization of sustainable materials;
- Soft matter;
- Bio- and nature-inspired materials;
- Novel hydrogels and aerogels;
- Biofilms and bioplastics;
- Energy and environmental applications of advanced sustainable materials;
- Circular economy strategies;
- Life cycle assessment (LCA) and sustainability measures.





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## Message from the Editor-in-Chief

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