



Ecoefficient Materials and Processes

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Deadline for manuscript submissions:

31 December 2024

Message from the Guest Editors

This Special Issue will focus on current and future development in decarbonizing high materials and carbon footprint processes. This includes innovation in energy and emission reduction, design manufacturing for recycling, and reuse. The keywords for the recommended topics are given below. However, the submissions for this Special Issue should not be limited to these. This Special Issue will build on the existing knowledge in the literature and report on advances in the area.

- climate smart mining
- green economy
- hydrogen economy
- industrial decarbonization: e.g., green steel, cement/concrete decarbonisation
- hydrogen iron making
- eco-communion
- critical elements recovery
- energy storage
- recycling; e-wastes energy and water nexus
- digital innovation
- techno-economic modelling
- battery recycling
- automotive wastes
- life cycle analysis
- nuclear energy
- safety protocols
- carbon utilisation
- catalysts for clean energy production
- waste heat recovery
- nano-materials, smart energy





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Message from the Editor-in-Chief

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