

Special Issue

Resource Recovery in Building Materials: Developing Eco-Friendly Driven Sustainable Binders or Aggregates from Solid Waste

Message from the Guest Editors

This Special Issue aims to advance systemic solutions that address the entire value chain of waste valorization, encompassing particle engineering and reactivity modulation, as well as performance optimization and environmental impact mitigation. We prioritize interdisciplinary advancements in mining, civil engineering, environmental science, sustainable development, and social innovation. Submissions should emphasize scientific breakthroughs in the following domains but not limited to: **(1) Sustainable Recycling Technologies**

(2) Waste Valorization Methods

(3) EDSBs / EDSAs Recycling Science and Mechanism

(4) Multi-criteria Characterization and Sustainability Validation We aspire to inspire the global community to reimagine waste as a resource and advance the vision of a zero-waste, low-carbon built and mining-filling environment. We invite submissions to redefine waste not as an endpoint but as the foundation of tomorrow's built and mining-filled environment. Full papers, communications, and reviews are all welcome.

Guest Editors

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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