

Special Issue

Innovative Construction Materials for Sustainable and Greener Applications

Message from the Guest Editors

The Special Issue, "Innovative Construction Materials for Sustainable and Greener Applications," is dedicated to deeply exploring the potential of solid waste and industrial by-products as raw materials for low-carbon cementitious materials. It aims to enhance the recycling rate of industrial solid waste while significantly reducing energy consumption and CO₂ emissions. This innovative strategy not only offers creative solutions to address resource depletion and environmental degradation but also strives to enhance the durability and overall performance of concrete structures, thereby spearheading a green revolution in the building materials industry. This Special Issue aims to gather original research papers related to innovative Construction Materials. The scope of this Special Issue includes, but is not limited to, the following topics: resource utilization of solid waste, innovative explorations of low-carbon concrete formulations, and cutting-edge research on the application of low-carbon concrete.

Guest Editors

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About the Journal

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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