

Special Issue

Innovations in Sustainable Construction and Road Engineering Materials

Message from the Guest Editors

This Special Issue will showcase cutting-edge research on advanced construction and road engineering materials, with a particular focus on sustainability, intelligence, and environmental friendliness. The Special Issue welcomes a broad spectrum of topics, including high-performance composites, green building materials, smart and adaptive materials, carbon emission reduction strategies, and the utilization of solid waste and recycled resources in construction applications. Topics of interest include, but are not limited to, the following:

- Low-carbon cementitious materials;
- Recycled and waste-derived materials;
- Self-healing and adaptive construction materials;
- Smart materials and functional composites;
- Carbon reduction strategies in infrastructure materials;
- Digital technologies, AI, and data-driven innovations for material design.

Both experimental and theoretical studies, as well as comprehensive review papers, are welcome. This Special Issue will address current challenges and opportunities involved in developing next-generation sustainable materials for the built environment.

Guest Editors

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About the Journal

Message from the Editorial Board

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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