

Special Issue

Resilient Building Materials and Structural Systems for Extreme Environments

Message from the Guest Editor

This Special Issue aims to highlight cutting-edge research on the development, application, and performance of resilient building materials and structural systems designed for extreme environments.

The Special Issue will provide a platform for sharing knowledge on innovative approaches to creating durable, sustainable, and adaptable structures that can endure harsh conditions, ensuring the safety and efficiency of built environments in the face of environmental challenges. In this Special Issue, original research articles and review papers are welcome on topics including (but not limited to) the following:

- Development and application of corrosion-resistant materials.
- Structural designs for high-wind-speed, flood-prone, and seismic activity-prone areas.
- Innovative materials for cold climates and permafrost regions.
- Advanced systems for disaster-resistant buildings and infrastructure.
- Sustainable and adaptive structural solutions for extreme environments.

This collection will contribute valuable insights for researchers, engineers, and policymakers seeking to improve the resilience of infrastructure in extreme conditions.

Guest Editor

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Deadline for manuscript submissions

20 September 2025



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/226798

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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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