

Special Issue

Advances in Sustainable Inorganic Matrix Composites for Construction

Message from the Guest Editors

The present Special Issue aims at attracting contributions from international research groups that are active in the field of sustainable inorganic matrix composites with the aim to collect the most recent advances in the field, with special reference (but not necessarily limited to) the following aspects:

- Novel constituents for sustainable inorganic matrix composites, with emphasis on cementitious ones;
- Innovative mixture compositions for new and existing structures;
- Sustainable structural applications of inorganic matrix composites;
- Materials for combined structural and energy retrofit;
- Self-sensing and/or self-healing capabilities;
- Mechanical modelling, through either theoretical or numerical approaches;
- Prediction techniques based on deep-learning or other soft-computing techniques;
- Durability to environmental exposure;
- Guidelines adaptation proposals for new inorganic matrix composites;
- Cost optimisation and comparative analysis of alternative solutions for specific problems;
- Case studies.

Guest Editors

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Deadline for manuscript submissions

closed (10 December 2023)



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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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