

Special Issue

Composite Structures towards a More Sustainable Construction Sector

Message from the Guest Editors

The use of composite structures is increasing in the construction sector due to their enhanced load-bearing capacity, enhanced structural fire performance, and greater potential to provide optimized structural solutions, effectively creating synergies between the structural materials. Additionally, their competitiveness may be improved in the near future introducing innovative concepts such as Design for Disassembly and Reuse, adopting new strategies towards a more sustainable industry promoting circular economy by the reuse of building components in multiple life cycles. The aim of this Special Issue is to promote and disseminate innovative composite structural solutions combining different structural materials, such as steel and concrete, steel, and CLT (cross-laminated timber), among others, applicable to buildings, bridges, and infrastructures. We encourage you to send manuscripts containing scientific findings in the field of innovative composite/hybrid structures, based on theoretical and practice-oriented papers, including experimental and/or numerical studies, case studies, and review papers.

Guest Editors

Dr. Hélder David da Silva Craveiro

ISISE—Institute for Sustainability and Innovation in Structural Engineering, University of Coimbra, 3030-788 Coimbra, Portugal

Prof. Dr. Rui António Duarte Simões

ISISE – Institute for Sustainability and Innovation in Structural Engineering, University of Coimbra, Coimbra, Portugal

Deadline for manuscript submissions

closed (20 July 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/82587

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

[mdpi.com/journal/
materials](https://mdpi.com/journal/materials)





Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



[mdpi.com/journal/
materials](https://mdpi.com/journal/materials)



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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) /
CiteScore - Q1 (Condensed Matter Physics)