Special Issue

Construction Circular Economy: Recycling Construction and Demolition Wastes

Message from the Guest Editors

This Special Issue is focused on emerging concepts of construction circular economy and concerns all aspects related to C&D waste minimization by reusing, recycling, and reprocessing construction materials. It also deals with research and studies of the development of new construction materials such as concrete by incorporating waste/by-product materials. Relevant topics to this Special Issue include but not limited to the following subjects:

- Reusing concrete, bricks, tiles, ceramics, asphalt, soils, wood, plasterboard, glass, plastics, insulation, and metals
- Reusing, recycling and reprocessing construction wastes
- Construction and demolition waste
- Construction circular economy
- Opportunities and barriers in construction and demolition waste recycling
- Sustainable construction materials
- Recycled materials in sustainable concrete technology
- By-product materials in sustainable concrete technology
- New trends in the design of recycled concrete

Guest Editors

Dr. Mostafa Seifan

School of Engineering, Faculty of Science and Engineering, The University of Waikato, Hamilton 3216, New Zealand

Dr. Francesco Pomponi

Resource Efficient Built Environment Lab (REBEL), School of Engineering and the Built Environment, Edinburgh Napier University, Edinburgh, UK

Deadline for manuscript submissions

closed (10 April 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/61748

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

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

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.

Editors-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

Prof. Dr. Yuguang Ma
State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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)

MDPI