Special Issue

Emerging Construction Materials for Sustainable Infrastructure

Message from the Guest Editors

Concrete infrastructure is the basis of our society and plays an important role in supporting economic development. Sustainability of concrete infrastructure has become a critical issue worldwide due to the ever-increasing deterioration of concrete and steel materials under combined mechanical loading and environmental action. To carry out appropriate maintenance on the existing aging concrete structures for service life extension and to realize highly durable and maintenance-free new concrete structures, the research community has been focusing their continuous efforts on creating novel construction materials with specialized features. The aim of this Special Issue is to publish up-to-date research contributions related to emerging civil engineering materials for sustainable concrete infrastructures, including advanced reinforcing materials and concrete composites. State-of-the-art material approaches used for the development of sustainable concrete infrastructure are particularly encouraged.

Guest Editors

Prof. Dr. Jian-Guo Dai

Dr. Mehran Khan

Prof. Dr. Majid Ali

Prof. Dr. Mingli Cao

Deadline for manuscript submissions

closed (10 May 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/92657

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

MDPI

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)