

Special Issue

Durability and Time-Dependent Properties of Sustainable Concrete

Message from the Guest Editors

Sustainability is now at the core of the research world due to the high demand for sustainable materials, methods, and processes. The concrete industry is a major greenhouse gas emitter and consumer of natural resources resulting in significant social, economic, and environmental impacts. Sustainable concrete is the key to curbing these problems. This Special Issue aims to collate original research and review articles focusing on the durability and time-dependent behaviors of sustainable concrete. Current trends and future research directions on the durability and time-dependent properties of concrete comprising recycled or waste materials, such as crumb rubber, recycled concrete, fly ash, slag, plastic wastes, glass waste, and more, are covered.

Guest Editors

Dr. Safat Al-Deen

School of Engineering and Information Technology, University of New South Wales (UNSW), Canberra, Australia

Dr. Biruk Hailu Tekle

Institute of Innovation, Science and Sustainability, Federation University Australia, Ballarat, Australia

Deadline for manuscript submissions

closed (15 December 2024)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/143144

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)