

Special Issue

Sustainable Asphalt Pavements: Materials, Design Methods, and Characterization Techniques (Second Volume)

Message from the Guest Editors

The construction of road asphalt pavements complying with global sustainability targets represents a major challenge for current and future generations of pavement designers and asphalt technologists. A sustainable approach in asphalt pavement engineering should focus on materials, design methods, and technologies that contribute to minimizing environmental impacts through a reduction in energy consumption and natural resources, while ensuring adherence to all performance standards and requirements. Long-life design solutions and the use of durable materials may also provide a number of sustainability benefits throughout the overall life cycle of pavement. This Special Issue will address recent and relevant advances in this crucial research area. The aim is to collect original contributions dealing with the development of sustainable asphalt materials and technologies on the one hand, and the use of reliable models, characterization techniques, and evaluation tools to measure pavement sustainability on the other. Research papers, reviews, and case studies are welcome.

Guest Editors

Prof. Dr. Orazio Baglieri

Department of Environmental, Land and Infrastructure Engineering,
Politecnico di Torino, 24 Corso Duca degli Abruzzi, 10129 Torino, Italy

Dr. Pier Paolo Riviera

Department of Environmental, Land and Infrastructure Engineering,
Politecnico di Torino, 24 Corso Duca degli Abruzzi, 10129 Torino, Italy

Deadline for manuscript submissions

closed (20 January 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.0
Indexed in PubMed



mdpi.com/si/116275

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 7.0
Indexed in PubMed



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