



The Future of Road Pavement Materials: Towards the Improvement of Performances and Sustainability

Guest Editor:

Dr. Edoardo Bocci

Department of Theoretical and
Applied Sciences, Università degli
Studi eCampus, 22060
Novedrate, Italy

Deadline for manuscript
submissions:

30 March 2025

Message from the Guest Editor

Dear Colleagues,

In recent years, many innovative materials and techniques have been introduced in the field of road pavements, with the aim of improving performance and reducing the impact on the environment during construction and service life. Indeed, the severe degree of climate change that is occurring on our planet is pushing pavement engineers to find solutions not only to limit the exploitation of natural resources, the generation of wastes, and the emission of pollutants but also to extend the durability of pavements and delay the necessity of maintenance interventions.

This Special Issue aims to collect up-to-date and high-quality studies that deal with the characterization and application of the aforementioned solutions, with a particular focus on the following topics: Advanced materials for increasing the performance and durability of asphalt binders and mixtures; Recycling of marginal materials and by-products from industrial processes in asphalt pavements; Bio-binders, bitumen extenders, and replaces; Structure performance, design, modeling, and service life prediction; Advanced trends in rehabilitation and preservation.





an Open Access Journal by MDPI

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

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.

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 & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)