



## Novel Construction Materials for Sustainable Pavements

Guest Editor:

### **Dr. Chaminda Gallage**

School of Civil and  
Environmental Engineering,  
Faculty of Engineering,  
Queensland University of  
Technology, Brisbane, Australia

Deadline for manuscript  
submissions:

**closed (31 October 2021)**

### **Message from the Guest Editor**

The Special Issue, “Novel Construction Materials for Sustainable Pavements”, will address advances in novel pavement materials which can contribute toward economical, long-lasting, environmentally-friendly, and climate-adaptive roads. The use of recycled materials can be an alternative solution to depleting natural resources and could lead to more economical and environmentally-friendly pavement construction. Traditional/marginal materials and weak subgrades can be stabilised using novel additives and reinforcement techniques to achieve superior performance and properties so that the required pavement thickness can be significantly reduced to achieve economical, long-lasting, climate-adaptive roads. Articles and reviews dealing with the processing, characterisation, and properties of performances of novel pavement materials, techniques for incorporating them into design and construction of future pavements, and quantifications of economical, environmental, and climate-adaptive benefits of the novel materials are very welcome.





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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

---

Materials Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)