



an Open Access Journal by MDPI

## Advances in Monitoring of Transportation Infrastructures

Guest Editors:

**Dr. Kumar Anupam**

**Dr. Alfredo Núñez Vicencio**

**Dr. Katerina Varveri**

**Dr. Zhen Yang**

Deadline for manuscript  
submissions:

**closed (10 June 2023)**

### Message from the Guest Editors

It is our pleasure to invite you to submit a manuscript, including original research and review articles on (but not limited to) the following potential themes:

- New sensors and methodologies for monitoring transportation infrastructure and materials.
- Structural performance and degradation modelling and monitoring for pavement and railway infrastructures.
- Analysis of new material degradation, monitoring, and prediction, for durable, resilient, and low-maintenance pavement and railway infrastructures.
- Recycling and sustainable methodologies for transportation infrastructure materials.
- New materials and new elements for environmentally friendly building/construction of road and railway infrastructures.
- Analysis of case studies of failures/anomalies in transportation infrastructures.
- Assessment and performance predictions of transportation infrastructures based on physical models, data-based models, and hybrid models.
- AI-based methodologies for monitoring the transportation infrastructure.
- Challenges on digitalization, development of digital twins, and sustainability assessment of infrastructures.





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)