

Special Issue

Road Engineering Materials: Composition, Structures and Performance

Message from the Guest Editors

Road engineering materials have long been an important research topic, and as such, various materials are currently used to engineer roads, including asphalt, cement, bio-based materials, nanomaterials, and waste materials, whose performance determines the level of the road's service. The development of road engineering depends on breakthroughs in the research of these road materials. In order to build high-quality and high-level road projects, researchers aim to develop road materials that have the advantages of low cost and high performance, as well as sustainable potential. This Special Issue will provide noteworthy experimental and/or numerical investigations into or case studies on the research of road materials, including, but not limited to, the following areas of interest:

- Preparation and characterization of road materials;
- Molecular dynamics studies of road materials;
- Engineering applications of road materials.
- Asphalt materials;
- Asphalt mixture;
- Cement concrete;
- Polymer materials in road engineering;
- Waste materials in road engineering;
- Bio-based materials in road engineering;
- Nanomaterials in road engineering materials

Guest Editors

Prof. Dr. Zengping Zhang

Key Laboratory for Special Area Highway Engineering of Ministry of Education, Chang'an University, Xi'an 710064, China

Dr. Zhengxiang Mi

Key Laboratory for Special Area Highway Engineering of Ministry of Education, Chang'an University, Xi'an 710064, China

Deadline for manuscript submissions

closed (20 September 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/167967

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

applsci





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)