

Special Issue

Advanced Research on Asphalt Pavement Materials in Design and Performance

Message from the Guest Editor

This Special Issue focuses on the basic characteristics, mixture design methods, performance testing, and evaluation of asphalt binders and mixtures. In recent years, with the rapid development of expressways, asphalt pavements are being increasingly used. With material innovations and the emergence of novel technologies, traditional asphalt mixtures have been injected with new vitality. People not only pay attention to how to use them but also to their mechanisms of action and how to increase their durability. Focusing on advanced new materials and their applications, this Special Issue will accept relevant academic articles focused on technical performance evaluation, mixture design, testing techniques, micro and macro analyses, and numerical simulations, among others, hoping to promote the development of asphalt and asphalt mixture technologies towards long-term durability and functional characteristics.

Guest Editor

Prof. Dr. Peiwen Hao
Highway College, Chang'an University, Xi'an, China

Deadline for manuscript submissions

closed (25 May 2025)



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

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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

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