

Special Issue

Next Generation of Materials and Methodologies for Resilient and Sustainable Flexible Pavements

Message from the Guest Editors

Next-generation materials, technologies are essential to address traffic, climate, and sustainability challenges in flexible pavements.

This Special Issue focuses on recent advances in flexible pavement solutions, especially on sustainable materials, recycled resources, and performance-oriented engineering solutions. Topics of interest include pavement design, asphalt mixture design, durability and ageing, maintenance and rehabilitation strategies, and laboratory and field performance appraisal to support all novelties.

The Special Issue also welcomes contributions on reclaimed asphalt pavements (RAPs), industrial by-products, waste-derived materials, alternative binders, fibres, warm-mix technologies, and other environmentally friendly solutions in pavement engineering. Studies on pavement responses to traffic and climate, surface performance, rutting, cracking, fatigue, moisture damage, and life-cycle assessment are also encouraged.

Both experimental and numerical investigations, case studies, and practical applications are welcome.

Guest Editors

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Deadline for manuscript submissions

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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

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