



materials



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The Future of Road Pavement Materials: Towards the Improvement of Performances and Sustainability

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In recent years, many innovative materials and techniques have been introduced in the field of road pavements, with the aim of improving performance and reducing the impact on the environment during construction and service life. Indeed, the severe degree of climate change that is occurring on our planet is pushing pavement engineers to find solutions not only to limit the exploitation of natural resources, the generation of wastes, and the emission of pollutants but also to extend the durability of pavements and delay the necessity of maintenance interventions.

This Special Issue aims to collect up-to-date and high-quality studies that deal with the characterization and application of the aforementioned solutions, with a particular focus on the following topics: Advanced materials for increasing the performance and durability of asphalt binders and mixtures; Recycling of marginal materials and by-products from industrial processes in asphalt pavements; Bio-binders, bitumen extenders, and replaces; Structure performance, design, modeling, and service life prediction; Advanced trends in rehabilitation and preservation.



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Message from the Editor-in-Chief

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