Special Issue

Advancements in Materials Characterization and Modified Asphalt Binders for Sustainable Pavement Engineering

Message from the Guest Editors

Welcome to the Special Issue on "Advancements in Materials Characterization and Modified Asphalt Binders for Sustainable Pavement Engineering." The construction and maintenance of road pavements play pivotal roles in the transportation infrastructure of modern societies. However, the environmental impact, durability, and performance of these pavements are of significant concern. This Special Issue serves as a platform to showcase cutting-edge research and innovations aimed at addressing these challenges. We invite contributions that delve into advanced materials characterization techniques, shedding light on the composition, structure, and properties of pavement materials. Additionally, we seek research on the development, evaluation, and application of modified asphalt binders to create sustainable, long-lasting pavements. By sharing knowledge and insights in these areas, we aim to pave the way for greener and more resilient pavement engineering.

Guest Editors

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Dr. Tam Minh Phan

Dr. Tri Ho Minh Le

Deadline for manuscript submissions

closed (20 April 2024)

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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.

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