

Special Issue

Innovations in Asphalt Materials for Pavement

Message from the Guest Editors

This Special Issue brings together the latest research findings, theoretical and technological advancements, and practical applications of innovative materials for pavements with enhanced durability, resilience, and sustainability. Research areas may include (but are not limited to) the following:

- The design, preparation, and characterization of high-performance modified asphalt materials;
- Self-healing asphalt materials;
- Advanced aging resistance technologies in asphalt materials;
- Cooling asphalt pavement;
- Asphalt pavement materials for permeable and drainable pavement systems;
- Durability of asphalt pavements under extreme climate conditions;
- Incorporation of industrial waste and byproducts in asphalt mixtures;
- Innovative approaches to asphalt pavement recycling and cold mix technologies;
- Life cycle assessment and sustainability evaluation of innovative asphalt materials.

This Special Issue aims to foster collaboration and knowledge exchange in road material engineering to tackle pressing challenges associated with pavement longevity, climate resilience, and sustainable infrastructure. We look forward to receiving your contributions!

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