Special Issue

Performance-Related Material Properties of Asphalt Mixture Components

Message from the Guest Editors

Each component of asphalt mixture (e.g., asphalt binder, aggregate, recycled materials and additives) directly affects the performance of asphalt mixture and asphalt pavement, such as fracture, permanent deformation, aging and moisture. Different damage modes are induced by different mechanisms and/or under different environmental conditions, and the contribution of each component to resist different types of damage is different. Therefore, it is vital to accurately evaluate the effects of the fundamental properties of asphalt mixture components and the component interactions that are related to damage performance, which are critical to develop performance models for asphalt mixture. The assessment of material properties becomes essential when recycled materials and/or additives are involved. Please view more details, including submission entrance ("Submit to
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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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