Special Issue

Sustainable Asphalt Pavements: Materials, Design Methods, and Characterization Techniques (Second Volume)

Message from the Guest Editors

The construction of road asphalt pavements complying with global sustainability targets represents a major challenge for current and future generations of pavement designers and asphalt technologists. A sustainable approach in asphalt pavement engineering should focus on materials, design methods, and technologies that contribute to minimizing environmental impacts through areduction in energy consumption and natural resources, while ensuring adherence to all performance standards and requirements. Long-life design solutions and the use of durable materials may also provide a number of sustainability benefits throughout the overall life cycle of pavement. This Special Issue will address recent and relevant advances in this crucial research area. The aim is to collect original contributions dealing with the development of sustainable asphalt materials and technologies on the one hand, and the use of reliable models, characterization techniques, and evaluation tools to measure pavement sustainability on the other. Research papers, reviews, and case studies are welcome.

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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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