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Sustainable Designed Pavement Materials

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Deadline for manuscript submissions:
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Message from the Guest Editors

Pavement materials comprise a substantial proportion of natural resources used for building construction. However, there are many environmental concerns related to their applications and service life. Firstly, a huge amount of energy is consumed during their manufacture, transportation, and application. Secondly, the application of pavement materials will generate PM, VOC, and CO_2. Thirdly, the aging characteristics of pavement materials will result in a reduction of service life, and finally aggravate the damage to the environment. These drawbacks of traditional pavement materials require sustainable and renewable paving materials and technologies, for instance, modified pavement materials with longer service life. Recycling technologies can save natural resources. Warm mix and cold mix can decrease the application temperature of asphalt mixture, resulting in less VOC emissions

The aim of this Special Issue of *Materials* is to attract articles on new materials and innovative technologies for achieving sustainable and renewable pavement materials. We welcome original research or review articles with a clear application focus in these areas.

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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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