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Sustainable Designed Pavement Materials

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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 consumed during their manufacture. transportation, and application. Secondly, the application of pavement materials will generate PM, VOC, and CO2. 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

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