



Sustainable Roads and Airfields: Pavement Materials and Pavement Engineering

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Message from the Guest Editor

The purpose of this Special Issue is to bring together recent advancements that have been made towards providing sustainable trafficable pavements around the world. There are countless kilometres of road and industrial pavements, sealed or unsealed, consisting of bound or unbound granular material, which enable safe transport of goods and people. The thickness of the pavement depends largely on the native soil (or subgrade), material and equipment available for pavement construction, vehicle loads and prediction of traffic over the required design life. Considerable natural and imported resources are consumed in the construction of pavements. As the granular materials in the pavement structure are traditionally produced by quarries, there is excellent opportunity to substitute waste materials, provided these materials do not impact on the environment and can do the job required adequately. Waste streams are reduced, as is the dependence on finding sources of sound rock. There are further “sustainable” opportunities to recycle existing degraded materials by employing additives in a pavement milling operation.





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Message from the Editor-in-Chief

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