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Waste to Value – Use of Innovative Green Materials in the Construction of Transportation Infrastructure

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Message from the Guest Editors

The construction sector is the most material-consuming industry and is significantly responsible for the depletion of natural resources, such as aggregate and oil mines. Identifying alternative materials to be used in the construction of civil infrastructure is, thus, an important step towards sustainability. Significant research has been undertaken to investigate the applicability of recycled materials in the construction of transport infrastructures, such as roads, embankments and associated structures. However, the provision of further robust evidence to convince authorities and industries for maximising the proportion of wastes/recycled materials in civil construction projects is still required. In this regard, in addition to performance testing, life cycle assessment and social procurement considerations on the use of green materials are key areas of research focus. The aim of this Special Issue is to provide a platform for researchers to share their original research outcomes and to contribute to the outstanding collection of reviews and experimental, numerical and technical studies on green materials in transport infrastructure construction.

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Message from the Editor-in-Chief

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