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

Guest Editors:

Dr. Ehsan Yaghoubi

College of Engineering & Science,
Victoria University, Melbourne
3011, Australia

Dr. Malindu Sandanayake

College of Engineering & Science,
Victoria University, Melbourne
3011, Australia

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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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McGill University, Duff Medical
Science Building, 3775 University
Street, Montreal, QC H3A 2B4,
Canada

Message from the Editor-in-Chief

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Contact Us

Materials
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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