



Reuse of Waste Materials in Road Construction

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Message from the Guest Editors

Waste material has increased owing to the rising population, leading to environmental pollution. Researchers have explored the potential uses of waste by-products to reduce environmental pollution, lower costs, protect natural resources, and finally, develop sustainable cities and communities. Road construction constitutes a main field in which waste materials can be employed in massive amounts due to the large-scale earthwork required in constructing pavement, base, subbase, and subgrade layers.

This Special Issue aims to explore the applicability of waste material in road construction. Topics include, but are not limited to:

- Soil stabilisation using waste materials;
- Waste materials in asphalt and concrete pavements;
- Development of new geocomposite using waste by-products;
- By-product self-sensing geocomposites;
- Technical and economic comparisons of waste by-product geopolymers with traditional stabilisers, stabilisation of waste by-products with additives;
- LCC assessment of waste by-product geocomposites;
- Reviews on application of waste by-products in road and railway construction, soil stabilisation, and pavement materials.



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