



Using Waste Materials in Geotechnical and Pavement Engineering for Sustainable Construction

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Message from the Guest Editors

With the world population increasing, the amount of waste generation is growing rapidly. This amount of waste causes a huge rise in the cost of waste disposal and is filling future sites for landfills. Due to the lack of raw materials and natural resources, using waste solid material in civil engineering projects, especially road construction, has become an issue worthy of consideration. Finding reasonable and cost-effective solutions for waste material disposal, such as recycling, is one of the most important responsibilities of scientists, engineers, researchers, and governments. These solutions should not only consider the environmental advantages, but also reuse the solid waste materials in projects such as road construction. Therefore, effective recycling of waste is one of the solutions sought by many researchers. Well-managed recycling of waste has several advantages, including:

- Contributing to the reduction or prevention of exhaustion of natural resources;
- Contributing to a reduction of environmental contamination due to the uncontrolled disposal of waste materials produced by industrial and domestic consumption;
- Significantly saving money and energy.





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