

Special Issue

Sustainable Resource Utilization: Energy-Based Approaches in Recycling Materials

Message from the Guest Editors

Large stockpiling of waste materials due to industrialization and mining excavation has generated severe environmental and social concerns worldwide. The application of waste materials in large-scale civil/geotechnical engineering is one of the most efficient methods of reducing the large stockpiles on useful land. Apart from proving the geotechnical functions as traditional materials, the inclusion of resilient waste such as recycled rubber can also serve as an energy absorption reservoir or vibration barrier to minimize damage to the geotechnical infrastructures caused by heavier, dynamic and/or impact load. This Special Issue aims to attract researchers and practitioners to promote their studies, experiences on the application of recycled/marginal materials in civil/geotechnical engineering. We encourage studies using new concepts and methodologies to look into these materials. The scope of this Special Issue includes but is not limited to the following topics:

- Use of waste and marginal materials in civil/geotechnical engineering
- Energy-based approach on resilient materials
- Mathematical modelling on waste materials

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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