Special Issue

Sustainable Construction Materials' Contribution to a Zero-Waste Future

Message from the Guest Editors

Sustainable construction materials are revolutionizing the building industry, steering it towards a zero-waste future. As the world grapples with the dual challenges of environmental degradation and resource depletion, the construction sector, known for its significant ecological footprint, is under increasing pressure to adopt sustainable practices. Traditional construction methods often rely heavily on non-renewable resources and generate substantial waste, contributing to pollution and landfill overloads. In this Special Issue, original research articles and reviews related to sustainable construction materials, construction waste management, low-carbon materials, green construction, built environment and circular economy for building materials are welcome. Research areas may include (but are not limited to) the following:

- Industrial and agriculture wastes recycling technology and its application;
- Geopolymers, synthesis and design for large-scale industrial application;
- Low-carbon materials;
- Circular economy for building materials and life cycle assessment.

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