

Special Issue

Recycling and Reuse of Concrete Materials in Sustainable Engineering

Message from the Guest Editor

The construction industry is a significant contributor to global carbon emissions and resource depletion, and recycling and reusing concrete materials plays a vital role in sustainable engineering by reducing this environmental impact, conserving natural resources, and minimizing construction waste. This Special Issue focusses on researching different areas around the recycling and reuse of concrete materials for sustainable engineering. Examples of such areas may include, but are not limited to, the following:

- Recycled Concrete Aggregates (RCA) in Structural Applications
- The Use of Supplementary Cementitious Materials (SCMs)
- The Circular Economy in Concrete Recycling
- Innovative Concrete Crushing and Separation Technologies
- Self-Healing and Smart Recycled Concrete
- The Carbonation of Recycled Concrete for CO₂ Sequestration
- Three-Dimensional Printing with Recycled Concrete
- Recycled Concrete in Pavement and Road Construction
- The Life Cycle Assessment (LCA) of Recycled Concrete
- The Development of High-Performance Geopolymer Concrete with Recycled Aggregates

Guest Editor

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Message from the Editor-in-Chief

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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