



Applications of Sustainable and Emerging Construction Materials in Civil Engineering

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Message from the Guest Editor

Dear Colleagues,

This Special Issue explores such sustainable and emerging construction materials, their prospects, challenges, and future in civil engineering. The aim is to publish up-to-date research contributions covering the application of sustainable and emerging construction materials in civil structures and infrastructures.

- Aerated, bendable, self-healing, and 3D-printed concrete;
- Use of recycled concrete, plastic, tires, and glass waste in construction materials;
- Ultra-high performance cementitious composites;
- Laminated timber, reclaimed wood, and wood composites;
- Biodegradable and synthetic geotextile and geomembrane use in geotechnical engineering;
- Fiber-reinforced polymers concrete composites;
- High-performance fiber-reinforced materials under extreme loading;
- Structural behavior of steel reinforced geopolymer concrete;
- Structural safety, reliability, and risk assessment;
- Structural integrity and design against progressive collapse;
- Long-term durability response of innovative composite materials in harsh environment.





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Message from the Editor-in-Chief

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