

Special Issue

Recent Advances in Architecture Materials and Structures for Sustainability

Message from the Guest Editors

The focus of this Special Issue aims to draw attention to recent advances in sustainable architectural materials, methods, and structures that are helping us move toward a green future. Sustainable construction is not a choice anymore, but rather it is a demand of today's and tomorrow's society. Various methods are used to provide better sustainable architecture and engineering applications such as the use of waste materials, recycling materials, 3D printing, and CO₂ sequestration. By focusing on investigations of alternative materials that are more eco-friendly and achieve comparable performances to cement, natural aggregate, etc., the CO₂ emissions from construction can be reduced. Applying sustainability concepts and minimizing buildings' environmental impact during the construction, use, maintenance, and end-of-life phases are topics to be highlighted in this Special Issue. Other forms of analysis, such as life cycle assessment, multicriteria decision-making techniques, and deep learning, are valuable tools for highlighting the value of using alternative materials for sustainable structures.

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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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