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MDPI sustainability: Special issue "innovations in sustainable materials and construction technologies"

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Editorial

# MDPI Sustainability: Special Issue “Innovations in Sustainable Materials and Construction Technologies”

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## 1. Background

At the time this editorial was being written, the uncertainties induced by the global pandemic were continuing to affect millions of people around the world. As many of us have witnessed, the pandemic has created a great imbalance in the supply chain of various commodities including construction materials. These issues have put the use of locally manufactured and sustainable materials at the forefront for many industries like the construction sector. I am very excited to write this editorial for this Special Issue entitled “Innovations in Sustainable Materials and Construction Technologies”. The call for papers for this Special Issue solicited articles to highlight the recent breakthroughs in the development of sustainable construction materials and the design and deployment of sustainable construction technologies and practices. The purpose of this Special Issue was also to promote the use of sustainable materials and technologies in the construction industry and to reduce the carbon footprint associated with it.

## 2. Insights into the Special Issue

The proposal for this Special Issue was made in late 2020 and the response to the call was excellent resulting in a compilation of 11 excellent papers in this issue. The papers spread across a wide range of topics including: Sustainable materials: rubber-based pavements, sustainable geopolymer binders; recycled aggregate concrete with fibers; analysis or modeling: tall wood and hybrid buildings, CFRP ropes and comparison to CFRP sheets for rehabilitation, modeling of steel fiber reinforced concrete repairs, corrosion evaluation of geopolymer concrete, machine learning of rubberised concrete; and stormwater improvement/management: a review paper on stormwater runoff treatment using various nanomaterials, novel approach to treat car-wash waste water, and oyster shells for storm water quality improvement.

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