

## Special Issue

# High Performance and Advanced Construction Materials

### Message from the Guest Editor

Practicing environmental sustainability in the construction industry involves the use of recycled materials to reduce the demand for natural resources, innovative cement-free materials to reduce CO<sub>2</sub> emissions, and high performance corrosion-resistant materials to reduce repair cycles, prolong service lives, and reduce operational costs. The aim of this Special Issue is to bring together the state-of-the-art research related to the use of high performance and advanced materials for sustainable construction. It covers the development, characterization, applications, and performance evaluation of a wide range of advanced construction materials. The scope of this Special Issue includes, but is not limited to, the following topics:

- Recycled construction materials
- Self-healing bio-concrete
- Alkali-activated construction materials
- Geopolymer-based composites
- Fiber-reinforced concrete
- Durability of construction materials
- Repair and retrofitting of structures with advanced materials
- High performance construction materials
- Life cycle assessment

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### Guest Editor

Prof. Dr. Tamer El Maaddawy

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### Deadline for manuscript submissions

closed (31 March 2023)



## Sustainability

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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.

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## Editor-in-Chief

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