

## Special Issue

# Design of Green-Engineered Cementitious Composites for Improved Sustainability

### Message from the Guest Editor

Concrete is the material most used in construction. In all phases of the life cycle of concrete, from acquiring raw materials, through production and use, to final development, there is a supply and high energy consumption. Therefore, waste management strategies such as reduction, reuse, recycling and renewable have been developed. Using inorganic industrial residues, waste aggregates from demolition, components from renewable raw materials and alternative cement binders when producing concrete has led to sustainable concrete design and a greener environment. However, compared to natural materials, these composites show a loss of mechanical properties and reduced durability with a relatively low waste material replacement rate. Therefore, we need to intensify work on the invention of green concrete composites that can outperform traditional concrete. When achieving this, it is necessary to conduct further research on them and disseminate the results, particularly in terms of their durability and long-term effects.

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### Guest Editor

Dr. Piotr Smarzewski

Faculty of Civil Engineering and Geodesy, Military University of Technology, 00-908 Warsaw, Poland

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### Deadline for manuscript submissions

closed (20 June 2024)



## Materials

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*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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### Message from the Editorial Board

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1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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