

## Special Issue

# Functional Cement-Based Composites for Civil Engineering (Volume II)

### Message from the Guest Editor

Within the scope of this research topic, emphasis will be focused on fundamental, experimental, numerical, validation, and application research, inducing proven results in state-of-the-art solutions for sustainable construction. Various single-focused approaches or multidisciplinary combinations are also expected to add to the Special Issue. In general, traditionally, the most widely used construction and building materials are produced with Portland cement (PC); however, there have been some sustainability concerns as it is expensive to make and transport, and the manufacturing process is environmentally destructive, accounting for about 8% of global CO<sub>2</sub> emissions. This has led to the use of several new sustainable alternative materials for PC replacement with significant benefits, to mitigate the environmental damage caused by PC. This Special Issue will also bring together techniques and concepts from various distinct works, to examine, explore, and critically engage with issues and advances in sustainable construction and building materials, that can provide several environmental benefits but also can lead to cost-effective products.

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### Guest Editor

Dr. Jonathan Oti

Faculty of Computing, School of Engineering, Engineering and Science,  
University of South Wales, Pontypridd CF37 1DL, UK

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### Deadline for manuscript submissions

closed (10 November 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

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editors-in-Chief

Prof. Dr. Maryam Tabrizian

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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