

## Special Issue

# Building Materials Engineering and Innovative Sustainable Materials

### Message from the Guest Editors

Higher quality, more durable, and sustainable building materials have emerged due to the recent technological advancements. The construction industry requires materials that meet their increasing demand for both quality and quantity, while adhering to sustainable development principles. Modern building material research focuses on reducing energy consumption and the carbon footprint. With carbon emissions becoming a major topic of public discourse and policy, developing sustainable materials and incorporating them into building practices reduces the environmental impact of industrial and construction waste. Prospective authors are invited to submit papers in any of the following areas:

- Building materials engineering;
- New generation concretes;
- Geopolymers;
- Design of modern materials;
- Sustainable building materials;
- Cement pastes and mortars;
- Durability and environmental impact;
- Performance testing;
- Modelling;
- Geopolymers;
- Fibre reinforcement;
- Waste management;
- Energy-efficient building materials;
- Dismantlement, reuse and recycling;
- Materials for 3D printing.

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### Guest Editors

Prof. Dr. Izabela Hager

Dr. Katarzyna Mróz

Prof. Dr. Tomasz Tracz

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### Deadline for manuscript submissions

closed (20 December 2023)



## Materials

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## About the Journal

### Message from the Editor-in-Chief

*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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### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

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