Special Issue

Mathematical Modeling of Building Materials (Second Volume)

Message from the Guest Editor

We learned from Einstein that “everything should be made as simple as possible, but not simpler”. Thus, mathematical modeling should be of key interest in predicting building materials’ properties, from both an engineering and a materials science point of view. The aim of this Special Issue is to publish papers that advance the field of construction and building materials through the application of diverse mathematical modeling approaches. Newly proposed mathematical models should obtain enhanced insights into materials’ behavior, preferably calibrated and/or validated with new or already published experimental data. The scope of this Special Issue includes the following topics:

- Capabilities of mathematical modeling applied to building materials from an engineering and scientific point of view;
- Predicting building materials’ structure–property relationships;
- Long-term (aging) properties;
- Reaction kinetics of early-age properties development.

Guest Editor

Dr. Neven Ukrainczyk
Institute of Construction and Building Materials, Technical University of Darmstadt, 64287 Darmstadt, Germany

Deadline for manuscript submissions

closed (20 February 2025)

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

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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.

Editor-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

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