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Material Modifications of High Performance Concrete Properties

Guest Editor:

Prof. Dr. Jacek Gołaszewski
Department of Building Processes and Building Physics, Silesian University of Technology, Gliwice, Poland

Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editor

Dear Colleagues,

The purpose of this Special Issue is to present the latest concepts and research focused on developing the properties of fresh and hardened high performance concrete through material modifications. Of particular interest are articles focused on flexible modifications of concrete properties depending on the conditions of its casting and application, taking into account the implementation of sustainable development postulates.

For example, the research presented in this issue may cover the following topics: modification of the rheological properties of fresh concrete including self-compacting concrete, modification of the properties of fresh and hardened concrete for casting in special conditions (e.g., casting in summer or winter conditions, mass concrete casting), reduction of hazards resulting from thermal stress and shrinkage of concrete, improvement of concrete structure and its resistance to the corrosive effects of the environment, effects of mineral admixtures and additives, recycled materials, fiber-reinforced concrete, green concrete, etc.

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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

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/materials
materials@mdpi.com
𝕏@Materials_Mdpi