



Advances in the Mechanical Properties of Cements, Mortars and Concretes

Guest Editor:

Dr. Serdar Aydın

1. Magnel-Vandepitte Laboratory,
Department of Structural
Engineering and Building
Materials, Ghent University,
Ghent, Belgium
2. Civil Engineering Department,
Dokuz Eylul University, Buca,
İzmir, Turkey

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Message from the Guest Editor

Dear Colleagues,

There has been an increasing interest in Alkali-Activated Slag Cements (AASC) all over the world due to their advantages such as lower energy cost, lower carbon footprint, higher strength, lower hydration heat, and better durability properties as compared to ordinary Portland cements. Advances in the mechanical properties of AASC mortars and concretes are of utmost importance for expanding their use in the construction practice. The mechanical properties of AASC vary in a broad range depending on the activator and slag properties. Therefore, the topics of interest include but are not limited to the following:

- Bond strength between AASC concrete and reinforcing steel or substrate concrete;
- Mechanical response under impact and cyclic loading;
- Microstructure-mechanical properties interrelations;

The aim of this Special Issue is to showcase the latest research and advances in this area, particularly on the mechanical properties of alkali-activated slag cements. Original research papers, state-of-the-art reviews, communications, and discussions are welcomed.

Dr. Aydın Serdar
Guest Editor





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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

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