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# Advances in the Mechanical Properties of Cements, Mortars and Concretes

Guest Editor

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Deadline for manuscript submissions: **closed (20 June 2023)** 

## **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. Aydin Serdar













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### **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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