

Special Issue

Machine Learning in Cement-Based Materials: Advances and Applications

Message from the Guest Editor

In recent years, new advanced techniques like machine learning (ML) have been developed and applied effectively to many CBM problems. By embracing ML techniques, more cost-effective CBM designs can be achieved in a timely manner, which is likely to reshape the entire CBM industry. Many new hybrid and advanced AI techniques are being proposed. The development and application of these ML techniques in CBM should be explored with new case studies. The main objective of the Special Issue is to collect state-of-the-art research findings on the latest developments and challenges in the field of CBM. High-quality original research papers that present theoretical frameworks, methodologies, and the application of case studies from a single- or cross-country perspective are welcome, as well as review articles.

Guest Editor

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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.

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