# **Special Issue**

## Development and Characterization of Novel Cement Materials

## Message from the Guest Editor

This Special Issue aims to publish papers including the field of development and properties of novel cement and concrete through structure characterization. Means or enhanced insights into the behavior characterization of novel cementitious materials, e.g., low carbon cement, alkali-activated materials, geopolymer, and magnesium phosphate cement behavior, should be obtained through the experimental investigation or already published data. The scope includes:

- Preparation, mix design, and application of novel cement concrete;
- Rheology of fresh novel cementitious materials;
- Mechanical properties of hardened materials;
- Hydration characterization and analysis of novel cement concrete;
- Long-term properties;
- Microstructure development and modeling.

Novel cement is an important alternative that increases the flexibility and application of Portland cement.

Scientists and engineers should be aware that the materials used to provide additional capabilities of novel cement concrete are not the same as Portland cement.

#### **Guest Editor**

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## Deadline for manuscript submissions

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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

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