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Research of Construction and Building Materials in Peter the Great St. Petersburg Polytechnic University in Crystals

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The Special Issue aimed to publish researchers from Peter the Great St. Petersburg Polytechnic University. research topics of this Special Issue are the properties of concrete and the technology of its production with specified characteristics. These studies were carried out under contracts with construction industry enterprises and through grant funding. Concrete with high thermal crack resistance for massive structures of thermal and nuclear power plants, waterproof concrete for underground structures using the White Bath technology, high-strength self-compacting concretes, concrete mixtures with a given rheology for a 3D printer, and others, have been investigated and designed. The influence of active mineral additives (microsilica, metakaolin, fly ash, and granulated blast-furnace slag), additives of surfactants on concrete mix, and concrete properties are shown. The test methods and equipment used are described.











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Editor-in-Chief

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Message from the Editor-in-Chief

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