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Material Modifications of High Performance Concrete Properties

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2021)

Message from the Guest Editor

Dear Colleagues,

The purpose of this Special Issue is to present the latest concepts and research focused on developing the properties of fresh and hardened high performance concrete through material modifications. Of particular interest are articles focused on flexible modifications of concrete properties depending on the conditions of its casting and application, taking into account the implementation of sustainable development postulates.

For example, the research presented in this issue may cover the following topics: modification of the rheological properties of fresh concrete including self-compacting concrete, modification of the properties of fresh and hardened concrete for casting in special conditions (e.g., casting in summer or winter conditions, mass concrete casting), reduction of hazards resulting from thermal stress and shrinkage of concrete, improvement of concrete structure and its resistance to the corrosive effects of the environment, effects of mineral admixtures and additives, recycled materials, fiber-reinforced concrete, green concrete, etc.













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Message from the Editor-in-Chief

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