Special Issue

Long-Term Behavior of Cementitious Materials and Reinforced Concrete Structures

Message from the Guest Editors

The aim of this Special Issue is to cover recent research in time-dependent phenomena (shrinkage, creep, fatigue), aging, and durability of cementitious materials and reinforced concrete structures, including their service life design. The focus is on measuring, modeling, and monitoring these processes on multiple length scales, ranging from the microscale (pore-scale) all the way up to the macroscale (structural element/structure scale). Transport processess, cracking, damage, reinforcement corrosion, and loss of serviceability are all topics of interest. Furthermore, contributions dealing with the long-term performance of new types of concrete on all length scales are especially encouraged. It is our ambition to circulate the latest knowledge in the long-term performance of cementitious materials and reinforced concrete structures. Excellent contributions will form a basis for new research for both young researchers as well as leading experts in the field.

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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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