Special Issue

Performance and Durability of Reinforced Concrete Structures

Message from the Guest Editors

As is well known, reinforced concrete (RC) structures are widely used in civil engineering. With the increase in service time, the bearing performance of RC structures will be affected by many factors, such as corrosion, fatigue damage, etc. In addition, disasters such as earthquakes and fires can significantly weaken the service performance of RC structures. In order to accurately evaluate the service performance of RC structures, it is necessary to conduct comprehensive research on their durability. At present, many research studies have been carried out to reveal the durability of RC structures under various adverse factors such as high temperature, corrosion, carbonization, fatigue damage, etc. However, as human exploration space gradually expands from land to sea, the harsher service environment has an adverse impact on the durability of RC structures. This Special Issue aims to publish research papers and reviews on the evolution of the service performance and durability of RC structures under the influence of multiple factors.

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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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