Special Issue

Repair and Strengthening of Existing Reinforced Concrete Structures

Message from the Guest Editor

Strengthening of existing structures is an urgent need worldwide and especially in earthquake prone areas. Recent earthquakes have highlighted the deficiency of existing structures, which may be either damaged from previous strong earthquakes or have been designed without code provisions or designed to old obsolete code provisions. In the last few years, there has been an enormous development of novel high performance materials and innovative devices which could be effectively utilised for the protection of the existing structures and for the enhancement of structural resilience. This Special Issue aims to provide an overview of the latest scientific advancements on the development of novel methods towards durable and earthquake resistant Reinforced Concrete (RC) structures. Authors are welcome to submit original contributions in the following two major areas:

- *Repair and Strengthening of RC Elements using Novel Materials*
- *Retrofitting of Structures using Innovative Devices*

Guest Editor

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Deadline for manuscript submissions

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Message from the Editorial Board

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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