

Special Issue

Steels and Reinforced Concrete in Structural Engineering: Design and Applications

Message from the Guest Editors

Steel and reinforced concrete are the most common structural materials adopted for design solutions either in civil works or industrial facilities. Although the design of reinforced concrete and steel structures is extensively coded, there are some contexts, such as complex research facilities, where non-conforming structures are necessary to face the most sophisticated engineering needs and where the boundaries between civil and mechanical engineering become blurred. Moreover, there are several mechanical phenomena linked to material structural behavior, which are worth being the subject of continuous investigations to achieve a more accurate knowledge of overall structural safety. This Special Issue will deal with research coping with this knowledge gap, providing real case studies of steel and reinforced concrete structures, whose structural safety is investigated by advanced or original design and assessment methods. It is my pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editors

Dr. Marco Andreini
Prof. Dr. Mario D'Aniello
Dr. Roberto Tartaglia

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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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