

Special Issue

Fiber Reinforced Materials for Buildings Strengthening

Message from the Guest Editors

Fiber-reinforced materials have been extensively studied and used in structural strengthening of civil and heritage buildings over the last two decades. Fiber-reinforced polymer (FRP) composites have been introduced in technical provisions and design guidelines in different countries. More recently, fabric-reinforced mortar (FRCM), textile-reinforced mortar (TRM), and composite-reinforced mortar (CRM) materials have found an interesting field of application in heritage masonry buildings. Moreover, high-performance fiber-reinforced cements (HPFRC) have been studied and applied for the external strengthening of reinforced concrete (RC) buildings. All these materials are grouped in the family of fiber-reinforced materials, which have opened a new era in structural repair and retrofitting in civil engineering.

Ongoing research and new trends for the structural modeling and applications of such materials may find an ideal placement in this Special Issue. New papers in this field are welcome in order to provide an international forum to present and discuss the recent advances and future perspectives in the use of fiber-reinforced materials as strengthening systems in civil engineering.

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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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