Special Issue

Masonry and Concrete Members Strengthened with Fibre-Reinforced Composite Materials: Research Advances

Message from the Guest Editor

Recently, the fabric reinforced cementitious matrix (FRCM) has been applied as a “green” alternative solution to FRP materials; it is particularly useful to overcome some drawbacks related to the use of epoxy matrices, such as: the poor composite-substrate compatibility, the low permeability of the strengthened surface, and the difficulties in removing the FRP sheets without damaging the substrate. In terms of advancing knowledge on repairing and strengthening of masonry and RC structures with FRP and FRCM materials, this Special Issue aims at providing the scientific community with a collection of high-quality and peer-reviewed papers addressing different aspects of the structural behavior, spanning from the material mechanical characterization to the analysis of material efficiency in several applications, such as (but not limited to): flexural and/or shear strengthening, confinement and RC beam-column joints’ strengthening. Both experimental and theoretical investigations are welcome.

Guest Editor

Dr. Annalisa Napoli

Department of Civil Engineering, University of Salerno, Via Giovanni Paolo II, 132, 84084 Fisciano, Italy

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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