



## Reinforcement and Repair Materials for Masonry Structures

Guest Editor:

**Prof. Marco Corradi**

Univ Perugia, Dept Engr, Via  
Duranti 93, I-06125 Perugia, Italy  
marco.corradi@unipg.it

Deadline for manuscript  
submissions:

**14 August 2019**

### Message from the Guest Editor

Over the last decades, the scientific research on the repair and preservation of the building stock, as well as in all other fields of Civil Engineering, has developed to a great extent and has significantly contributed to the progress of modern society. Masonry buildings, both historic or recently built, are currently subject to the adverse effects of climate change. Over the past decades, natural hazards of unusual magnitude, compared to those listed in the historic record, have struck several parts of the planet. Seismic actions, catastrophic and unexpected flooding, heavy rainfalls, landslides, rockfalls have caused in many cases irreparable damage and loss of life. The use of both “traditional” and new materials could contribute to repair and reinforce masonry structures with the aims of preserving, restoring, and improving their behavior under extreme conditions. Critical aspects to consider will be the green and sustainable properties of materials, their compatibility with pre-existing masonry material, their long-term behaviour, the effectiveness and the reversibility of the investigated strengthening methods.





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### Prof. Dr. Maryam Tabrizian

Professor of Biomedical Engineering, Professor of Bioengineering, Professor of Experimental Surgery, Associate Dean—Research and Graduate Studies, Department of Biomedical Engineering, Faculty of Medicine/Faculty of Dentistry, Duff Medical Science Building, Room 313, 3775 University Street, Montreal, QC, H3A 2B4, Canada

## Message from the Editor-in-Chief

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*Materials*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
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mdpi.com/journal/materials  
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