

Special Issue

Sustainable Masonry Construction

Message from the Guest Editor

Masonry is a common construction material that has been used throughout history. Many heritage buildings in our cities are made of masonry. Despite the widespread presence of masonry in our cities and suburbs, there has been limited research into the role that masonry can play in developing sustainable cities and infrastructures in alignment with the United Nations' sustainability goals. To minimise carbon emissions from our buildings, one of the key approaches will be to adopt existing masonry structures and improve their performance with respect to key parameters related to sustainability performance. In addition, it will be necessary to assess modern masonry materials and develop new products to achieve a sustainable future. In this Special Issue, contributions related to, but not limited to, the following topics are welcome:

- The structural performance assessment of traditional and modern masonry buildings and masonry walls;
- The mechanical properties of traditional and modern bricks and blocks;
- The thermal performance of traditional and modern bricks, blocks, and masonries;
- Advanced numerical models;
- The energy efficiency of modern masonry buildings.

Guest Editor

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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