Special Issue

The Use of Fibers in the Field of Structural and Earthquake Engineering: Experimental Measurements and Numerical Simulations

Message from the Guest Editors

The manuscripts submitted for this Special Issue could combine numerical simulations of various problems in the field of Structural and Earthquake Engineering with relevant experimental studies through laboratory or in situ measurements. Particular applications may include dynamic and earthquake response of structures and components or influences arising from seismic retrofitting towards upgrading the dynamic and earthquake performance of structures and components. Fields of application include a variety of either modern or existing structures or cultural heritage structures constructed with a variety of materials including steel, reinforced concrete, masonry, etc. Potential topics include, but are not limited to:

- Inorganic fiber matrices;
- Composite materials;
- Innovative fiber materials;
- Fiber nanocoatings and nanocomposites;
- Strengthening of structures;
- Strengthening of cultural heritage structures;
- Dynamic response of structures using new materials;
- Future perspectives for composites in structural engineering.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)

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About the Journal

Message from the Editor-in-Chief

Fibers is intended as an integrative platform, bringing together specialists with expertise concerning a large range of biological, synthetic, metallic and mineral fibers. The intent is to bring together scientists who would otherwise be unlikely to encounter each other's findings. By facilitating communication across specialties, the journal will advance understanding of the underlying commonality of many physical and chemical aspects of fibers.
We welcome submission of manuscripts from a diverse range of disciplines relating to many types of fibers utilizing a variety of research approaches.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 23.1 days after submission; acceptance to publication is undertaken in 5.7 days (median values for papers published in this journal in the second half of 2025).