

## Special Issue

# Composite Systems for Structural Strengthening

### Message from the Guest Editors

Increasing experimental evidence is available for the use of composite materials such as fibre-reinforced polymers, textile-reinforced mortar or fabric-reinforced cementitious mortar and composite-reinforced mortar. Composites are suitable for retrofitting the structural and the non-structural elements in constructions fields.

The research in the field of new materials is of crucial interest for these reasons. The proper design of such composites depends on the knowledge in the characterization and applications, since the symbiotic behaviour of the constituents (fabric and matrices) and their interaction with the substrate are both very variable. The topics of Special Issue on “Composite Systems for Structural Strengthening: Design, Testing and Application” include but are not limited to the following:

- Characterization of inorganic-based materials;
- Admixtures and additives;
- Alternative and sustainable binders and geopolymers;
- Materials design;
- Numerical simulation for evaluating the strengthening efficiency;
- Performance comparison of inorganic- versus organic-based composites;
- Bond behaviour;
- Laboratory testing.

### Guest Editors

Dr. Bahman Ghiassi

Dr. Alessio Cascardi

Dr. Marta Del Zoppo

Dr. Salvatore Verre

### Deadline for manuscript submissions

closed (31 March 2021)



## Crystals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.4  
CiteScore 5.0



[mdpi.com/si/60756](https://mdpi.com/si/60756)

*Crystals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[crystals@mdpi.com](mailto:crystals@mdpi.com)

[mdpi.com/journal/  
crystals](https://mdpi.com/journal/crystals)





# Crystals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.4  
CiteScore 5.0



[mdpi.com/journal/  
crystals](https://mdpi.com/journal/crystals)



## About the Journal

### Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

---

### Editor-in-Chief

Prof. Dr. Alessandra Toncelli  
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)