



## Functional Properties of Structural Materials

Guest Editors:

**Dr. Shafaqat Siddique**

Associate Professor, Mechanical Engineering Department, The University of Lahore, Lahore 54890, Pakistan

**Dr. Khazar Hayat**

School of Engineering, University of Management and Technology, Lahore, Pakistan

Deadline for manuscript submissions:

**closed (31 August 2023)**

### Message from the Guest Editors

Dear Colleagues,

As new materials continue to develop and many existing materials undergo improvements in terms of their compositions, there is a need to characterize their performances for structural applications. Additionally, as the manufacturing processes change, the property profiles of the materials exhibit variations. Therefore, this Special Issue aims at collecting research articles addressing mechanical behavior, especially fatigue performance, as structural components undergo dynamic loading. All types of materials, including metals and non-metals, are of interest, as are their mechanical and fatigue performances as functions of their compositions and processing routes in terms of manufacturing and post-manufacturing, e.g., heat treatment. Original research articles are of primary interest, but a few comprehensive review articles will be included.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## 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), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/AtApplsci)