

## Special Issue

# Functional Properties of Structural Materials

### Message from the Guest Editors

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.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 August 2023)



## Applied Sciences

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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