



Mechanical Properties and Fatigue Behavior of Composite Materials

Guest Editors:

Dr. Silvia Barbi

Department of Sciences and
Methods for Engineering,
University of Modena and Reggio
Emilia, 42122 Reggio Emilia, Italy

Dr. Monia Montorsi

Department of Sciences and
Methods for Engineering,
University of Modena and Reggio
Emilia, 42122 Reggio Emilia, Italy

Deadline for manuscript
submissions:

31 January 2024

Message from the Guest Editors

Composites are a class of materials widely used in various manufacturing sectors for customized applications. Nowadays, process technologies related to Industry 4.0 require an increasing knowledge of the properties of these materials and, in particular, of the correlation among the mechanical and fatigue behaviors of materials with their formulation. In fact, thanks to this material's knowledge, it is possible to easily implement new products with the aim of meeting, in the fastest way possible, new requirements. Therefore, this Special Issue is intended for the presentation of new ideas and experimental results that concern systematic investigations of the mechanical and fatigue properties of composite materials, carried out through mathematical, statistical, and/or simulation approaches.

Areas of interest are related, but not limited to: traditional polymeric-based composites for automotive or sports, metallic and ceramic-based composites for high temperature applications and/or high chemical resistance, and bio-based or natural composites functionalized for agri-food, medical or textile applications in which mechanical or fatigue properties are relevant.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Takayoshi Kobayashi

Advanced Ultrafast Laser
Research Center, The University
of Electro-Communications, 1-5-
1, Chofugaoka, Chofu, Tokyo
182-8585, Japan

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), Inspec, CAPlus / SciFinder, and other databases.

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

Contact Us

Applied Sciences
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
@Applsci