



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

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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.





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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

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Applied Sciences Editorial Office
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