Special Issue

Dynamic Behavior of Carbon Fiber Related Materials

Message from the Guest Editors

The carbon-fiber related materials show asymmetric mechanical properties according to the direction of carbon-fiber and several multi-layered structures of carbon-fiber has been applied in industries according to the service loading condition. This topic focuses on the dynamic behavior of the carbon-fiber related materials for different service conditions, such as the environmental temperature, the spectral loading pattern – harmonic, random or sine-on-random, and can be extended every asymmetric material in a mechanical perspective. We are interesting to analyze the dynamic characteristics of carbon-fiber related materials with experimental consequences as well as the theoretical material modeling. We also encourage the monitoring methods of the asymmetric materials based on the mechanical nature of the responsible materials, i.e. heat transfer, thermal property, strain(or stress) or accumulation of fatigue quantity.

Guest Editors

Prof. Dr. Chan-Jung Kim

School of Mechanical Engineering, Pukyong National University, Busan 48513, Republic of Korea

Dr. Gee-Soo Lee

Department of Automotive Engineering, Tongmyong University, 428 Shinsun-ro, Nam-gu, Busan, Korea

Deadline for manuscript submissions

closed (31 May 2021)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/62996

Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

mdpi.com/journal/crystals

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

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)