



an Open Access Journal by MDPI

Carbon Fiber Reinforced Polymers

Guest Editor:

Dr. Francesca Lionetto

Department of Engineering for
Innovation, University of Salento,
Lecce, Italy

Deadline for manuscript
submissions:

closed (30 April 2021)

Message from the Guest Editor

This Special Issue aims to present recent advances in carbon fiber reinforced polymers, focusing on the emerging trends, both in carbon fibers and matrix development and in composite manufacturing technologies. Original articles and review papers will deal with the following themes, without being limited to them: Processing and characterization of both fibers (from low-cost precursors or re-use of waste or recycled carbon) and polymer matrices, microstructure evaluation, physical and structural characterization and testing, optimization of properties and processes including calculations, simulation of properties over length-scales and novel applications of carbon fibers reinforced polymers. Contributions on multiscale composites, advanced manufacturing processes, novel joining methods, cutting-edge joining and assembly processes are also encouraged. Studies on recycled carbon fibers, end of use solutions, life cycle assessment and durability of carbon fiber reinforced polymers, are also welcome.

Assist. Prof. Dr. Francesca Lionetto
Guest Editor



mdpi.com/si/12248

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)