

## Special Issue

# Carbon Fiber Reinforced Polymers (2nd Edition)

### Message from the Guest Editor

The current demand for lightweight and high-performance structures leads to increasing applications of carbon fiber reinforced polymers (CFRPs), made possible also by novel production methods, automation with repeatable quality, reduced cost of carbon fibers, out-of-autoclave processes like resin transfer molding and resin infusion technologies, re-use of waste fibers, development in preform technology, high-performance fast curing resins, etc. Moreover, the diffusion of multi-material design has driven the research towards efficient joining technologies of metals to carbon fiber-reinforced composites. Recently, nanofillers have been introduced into conventional carbon fiber-reinforced polymers to create multiscale or layered composites, which are characterized by enhanced structural and functional properties. 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. I kindly invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

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### Guest Editor

Dr. Francesca Lionetto

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

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### Deadline for manuscript submissions

closed (20 February 2025)



## Materials

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### *Materials*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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### Message from the Editor-in-Chief

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### 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

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