

# Special Issue

## Carbon and Related Composites for Sensors and Energy Storage: Synthesis, Properties, and Application

### Message from the Guest Editors

The aim of this Special Issue is to present and disseminate recent advances in the development of synthesis, functionalization/modification of carbon-based nanomaterials and nanostructures as well as their chemical, physical and other characterization techniques. This will help other researchers to quickly find related publications and compare them with their own work on carbon nanostructures. The proposed topics to be covered in this Special Issue include (but are not limited to) the following:

- Carbon-related materials: carbon; graphene; graphene oxide; reduced graphene oxide; nanodiamonds; nanodots; nanohorns; nanotubes; nanoribbon.
- Synthesis: surface functionalization; high surface area materials.
- Characterization: microstructural analysis; chemical and physical properties; electrochemical properties.
- Application: sensors; energy-harvesting systems.

### Guest Editors

Dr. Olena Okhay

Department of Mechanical Engineering, TEMA-Center for Mechanical Technology and Automation, University of Aveiro, 3810-193 Aveiro, Portugal

Dr. Gil Goncalves

Department of Mechanical Engineering, Centre for Mechanical Technology and Automation, University of Aveiro, 3810-193 Aveiro, Portugal

### Deadline for manuscript submissions

closed (15 October 2024)



C

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 3.4

---



[mdpi.com/si/107816](https://mdpi.com/si/107816)

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

[mdpi.com/journal/  
carbon](https://mdpi.com/journal/carbon)





C

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 3.4



[mdpi.com/journal/  
carbon](https://mdpi.com/journal/carbon)



# About the Journal

## Message from the Editor-in-Chief

---

### Editor-in-Chief

Prof. Dr. Craig E. Banks  
Faculty of Science and Engineering, Manchester Metropolitan  
University, Chester Street, Manchester M1 5GD, UK

---

### Author Benefits

#### High Visibility:

indexed within ESCI (Web of Science), Scopus, CAPlus /  
SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q2 (Environmental Science (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 24.3 days after  
submission; acceptance to publication is undertaken in 3.9  
days (median values for papers published in this journal in  
the first half of 2025).