

# Special Issue

## Carbon Nanomaterials and Nanocomposites in Bioengineering & Chemical Engineering

### Message from the Guest Editors

Carbon nanomaterials (CNMs) possess excellent chemical, physical, and biological properties, which render them very promising for a wide range of bioengineering applications: tissue engineering, drug/gene delivery, anticancer therapy, stem cell differentiation, agriculture engineering, photodynamic therapy, biosensors, etc. Furthermore, carbon nanotechnology has emerged as an alternative promising antimicrobial strategy against clinically relevant multidrug-resistant pathogens. In this regard, CNMs in pure form, functionalized or in combination with other materials can be exploited to produce a broad range of advanced nano- and macrobiomaterials with enhanced properties in terms of mechanical, electrical, and thermal performance, water sorption/diffusion, wettability, antimicrobial activity, and cell adhesion and proliferation. In this context, we invite authors to submit original research articles, communications and reviews for this Special Issue of *C –Journal of Carbon Research*, “Carbon Nanomaterials and Nanocomposites in Bioengineering and Chemical Engineering”, which is focused on all the advances in this research field.

### Guest Editors

Prof. Dr. Ángel Serrano-Aroca

Biomaterials and Bioengineering Lab, Centro de Investigación Traslacional San Alberto Magno, Universidad Católica de Valencia San Vicente Mártir, c/Guillem de Castro 94, 46001 Valencia, Spain

Dr. Itthipon Jeerapan

Division of Physical Science and Center of Excellence for Trace Analysis and Biosensor, Prince of Songkla University, Hat Yai, Songkhla 90110, Thailand

### Deadline for manuscript submissions

closed (30 August 2020)



C

an Open Access Journal  
by MDPI

Impact Factor 3.9  
CiteScore 1.6



[mdpi.com/si/32127](https://mdpi.com/si/32127)

C  
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 3.9  
CiteScore 1.6



[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:

JCR - Q2 (Materials Science, Multidisciplinary)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 19.8 days after  
submission; acceptance to publication is undertaken in 3.6  
days (median values for papers published in this journal in  
the first half of 2024).