

## Special Issue

# Advances and Challenges in Biomass and Carbon Materials

### Message from the Guest Editors

Biomass can be converted into regular solid, liquid and gaseous fuels, which are inexhaustible and renewable. It is a renewable energy source, and also, the only renewable carbon source. With the increasingly severe energy crisis, biomass is being paid more and more attention. Similarly, carbon materials have attracted a great amount of interest by virtue of their excellent mechanical, thermal, and optical properties, as well as high biocompatibility after tailored surface functionalization. This Special Issue's aim is to present and disseminate the most recent advances and challenges related to biomass and carbon materials.

---

### Guest Editors

Prof. Dr. Juan Félix González

Department of Applied Physics, E.I.I., Extremadura University, Avenida de Elvas s/n, 06071 Badajoz, Spain

Dr. Sergio Nogales Delgado

Department of Chemical Engineering and Physical Chemistry, University of Extremadura, Avda. De Elvas s/n, 06006 Badajoz, Spain

---

### Deadline for manuscript submissions

20 August 2025



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/174058](https://mdpi.com/si/174058)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )