



New Carbon Materials from Biomass and Their Applications

Guest Editors:

Dr. Jorge Bedia

Chemical Engineering
Department, Facultad de
Ciencias, Universidad Autónoma
de Madrid, Campus Cantoblanco,
E-28049 Madrid, Spain

Dr. Carolina Belver

Departamento de Ingeniería
Química, Universidad Autónoma
de Madrid, Cantoblanco, 28049
Madrid, Spain

Deadline for manuscript
submissions:

closed (30 April 2020)

Message from the Guest Editors

Dear Colleagues,

Carbon-based materials, such as chars, activated carbons, one-dimensional carbon nanotubes, and two-dimensional graphene nanosheets, have shown great potential for a wide variety of applications. These materials can be synthesized from any precursor with a high proportion of carbon in its composition. Biomass covers all forms of organic material, including plants both living and in waste form, and animal waste products. It appears to be a renewable resource because it yields value-added products prepared using environmentally-friendly processes. The application of these biomass-derived carbon materials include electronic, electromagnetic, electrochemical, environmental and biomedical applications. The main aim of this Special Issue of *Applied Sciences* (ISSN 2076-3417) is to present the most relevant and recent insights in the field of the synthesis of biomass-derived carbons for sustainable applications, including adsorption, catalysis and/or energy storage applications.

We look forward to your submission.

Prof. Jorge Bedia

Prof. Carolina Belver

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

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

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)