

Special Issue

Research Progress in Carbon Materials Derived from Biomass

Message from the Guest Editors

The intrinsic structure of biomass-derived carbon highly depends on the morphology and components of original substances, which also greatly affects its physicochemical, electronic, and magnetic properties. As a result, various biomass-derived carbon materials probably exhibit very different applied performance in some yields. This Special Issue aims to provide a platform to display the latest research results regarding the preparation and application of biomass-derived carbon materials. This Special Issue will focus on multidimensional topics about the BDC, such as the structural conversion process, structural characterizations, application exploration, and scale-up production. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Structural monitoring from biomass to carbon
- Product analysis during the conversion process
- Thermodynamic and energy management
- Application of BDC for energy storage and conversion
- Application of BDC for environmental modification
- Design and application of BDC-hybridized carbon materials
- Design and application of functional BDC-based composites

Guest Editors

Dr. Peng Zhang

Dr. Zheng Ling

Dr. Juan Yang

Deadline for manuscript submissions

closed (31 December 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.9



mdpi.com/si/162229

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

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.9



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



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)