



Emerging Technologies for Processing of Carbon-Based Substrates and Their Applications

Guest Editors:

Dr. Sunel Kumar

Dr. Faisal Mahmood

Dr. Mujahid Ali

Deadline for manuscript
submissions:

closed (31 January 2024)

Message from the Guest Editors

Biomass is a readily available renewable resource, and there has been immense interest from the scientific community regarding the trend of obtaining carbon materials from biomass. Forest, agricultural, and marine waste biomass are all lignocellulosic biomass, which have proved to be great substrates for carbon materials. The properties of carbon obtained from biomass residues can be altered in accordance with its allocations.

Carbon materials with a high surface area and micro- and mesoporous-activated structures, and which are doped with heteroatoms, are being used in various domains such as energy, environment, sensors, agriculture, and defense. There is a dire need to further explore lignocellulosic biomass as a sustainable substrate for carbon materials. Furthermore, the in-depth characterization of these materials leads to innovation, resulting in new perspectives towards their structure, properties, and in turn, their applications.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patricia Luis Alconero
Materials & Process Engineering,
UCLouvain, Place Sainte Barbe 2,
1348 Louvain-la-Neuve, Belgium

Message from the Editor-in-Chief

Clean Technologies (ISSN 2571-8797) is an international, open access journal of novel scientific research on technology development aimed at reducing the environmental impact of human activities. *Clean Technologies* publishes reviews, regular research papers, communications and short notes which show a significant advance in the development of sustainable technology that reduces energy consumption, environmental pollution and/or the use of water and nonrenewable resources. Our aim is to encourage scientists to publish their experimental and theoretical research in detail as open access, serving a trustable base of advance for the scientific community.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Inspec](#), [AGRIS](#), [RePEc](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Engineering, Environmental*) / CiteScore - Q1 (Environmental Science (miscellaneous))

Contact Us

Clean Technologies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/cleantechnol
cleantechnol@mdpi.com
[X@Cleantech_MDPI](#)