Special Issue

Carbonaceous Materials: Fabrication, Characterization and Applications

Message from the Guest Editors

Because of their adaptability and range of uses, carbonaceous materials have revolutionized the field of materials science. Our Special Issue focuses on the latest advancements in the synthesis and characterization of carbonaceous materials, which are unique in their morphology and properties for application various purposes. Carbonaceous materials such as biochar, carbon nanotubes, graphene, fullerene, activated carbon, and cyclodextrin polymers demonstrate superior performance in multiple applications. We invite researchers to contribute their original research articles, communications, and reviews to this Special Issue. Topics of interest include, but are not limited to, the following:

- Novel methods and techniques for the synthesis and fabrication of carbonaceous materials;
- Modification of the carbonaceous materials; composites, and hybrids with tailored properties;
- Presenting advanced techniques and tools for characterizing the structure and properties of carbonaceous materials, providing insights into their behavior in different environments;
- Carbonaceous materials for the membrane separation process;
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Deadline for manuscript submissions

closed (20 June 2025)

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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