

Special Issue

Synthesis, Characterization and Applications of Carbon Gels

Message from the Guest Editor

Carbon gels such as xerogels, aerogels, and cryogels are composed of nanostructured carbons and can be prepared with a designated and controlled structure and texture. They can be also obtained by carbonization of organic gels doped with heteroatoms or diverse metals during the synthetic process. The great versatility of these materials, thanks to their valuable intrinsic properties of high porosity, high surface area, and tunable textural and chemical characteristics, make it possible for their application in a varying range of different fields including hydrogen storage, super thermal insulation, and as active materials in supercapacitors, adsorption, and catalysis. The aim of this Special Issue is to present the state-of-the-art research progress in the field of the synthesis and characterization of carbon gels as well as the applications of these materials in all different research fields. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, short communications, and reviews are welcome.

Guest Editor

Dr. María Pérez-Cadenas

Department of Inorganic and Technical Chemistry, National Distance Education University (UNED), Madrid, Spain

Deadline for manuscript submissions

closed (31 July 2021)



C

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 3.4



mdpi.com/si/77003

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

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





C

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 3.4



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



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Craig E. Banks
Faculty of Science and Engineering, Manchester Metropolitan
University, Chester Street, Manchester M1 5GD, UK

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, CAPlus /
SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Environmental Science (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 24.3 days after
submission; acceptance to publication is undertaken in 3.9
days (median values for papers published in this journal in
the first half of 2025).