



## Synthesis, Characterization and Applications of Carbon Gels

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 July 2021)**

### Message from the Guest Editor

Dear Colleagues,

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.

