

## Special Issue

# Development and Applications of Advanced Carbon Materials

### Message from the Guest Editors

Nowadays, advanced carbon materials represent one of the most interesting classes of materials due to their potential and current applications in electronic devices and electrodes, high-performance coatings, as well as heterogeneous catalysts, catalyst support, or electrocatalysts. They can be synthesized from different raw materials with high purity; they can be doped with other atoms and can even be incorporated into innovative carbon-based composites or be printed as inks or included in/on monolithic structures. Their textural and chemical characteristics can be tuned with subtle modifications of the synthesis experimental conditions depending on the specific application required. This Special Issue will deal with the recent development of advanced carbon materials and their design, preparation, and/or applications. Synthesis procedures, characterization techniques, and applications for these fascinating materials will be covered, and novel insights may be presented. It is our pleasure to invite you to submit a manuscript for this Special Issue. Full papers, short communications, and reviews are welcome.

### Guest Editors

Prof. Dr. Agustín Francisco Pérez-Cadenas

Dr. María Pérez-Cadenas

Dr. Esther Bailón-García

### Deadline for manuscript submissions

closed (30 November 2021)



## Materials

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## About the Journal

### 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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### Editor-in-Chief

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