

Special Issue

Advanced Applications of Carbon-Based Adsorbents

Message from the Guest Editors

The papers for this Special Issue should be focused mainly, although not exclusively, on advanced practical applications of carbon-based adsorbents such as graphitic carbons, graphene, carbon nanotubes, activated carbon fibers, and fullerene-based materials, excluding those obtained with active charcoals. Papers discussing the physical-chemical characterization of carbon-based adsorbents using spectroscopic techniques are also welcome, especially when dealing with those molecular-level interactions affecting performance. Papers dealing with modifications of carbon-based adsorbents (including electrochemical modulation) will also be included, as far as evidence is provided of advantages that their use has in terms of ease of use and economic reward. Emphasis should be given to investigations on those aspects, such as adsorption (either in gas or liquid phases), catalysis, and functionalization processes of carbon-based materials, that can lead to original and challenging applications in various scientific fields, such as advanced materials technologies and environmental, separation, and biological sciences.

Guest Editors

Prof. Dr. Carlo Crescenzi

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Prof. Dr. Sara Bogialli

Prof. Dr. Maria Sarno

Deadline for manuscript submissions

closed (15 January 2023)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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