



Electrochemical Applications of Carbon-Based Nanomaterials

Guest Editors:

Dr. Mihaela Baibarac

Laboratory of Optical Processes
in Nanostructured Materials,
National Institute of Materials
Physics, 405A Atomistilor Street,
077125 Magurele, Romania

Prof. Dr. Monica Baia

Faculty of Physics, Babeş-Bolyai
University, M. Kogalniceanu 1,
400084 Cluj-Napoca, Romania

Dr. Christos Riziotis

Theoretical and Physical
Chemistry Institute, National
Hellenic Research Foundation,
11635 Athens, Greece

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Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on electrochemical applications of carbon nanomaterials of the graphene type and aims to provide information regarding electrochemical applications of carbon-based nanomaterials in the field of supercapacitors, rechargeable batteries, fuel cells, (bio)sensors, and anticorrosion protection.

Potential topics include but are not limited to:

- Electrode materials in energy storage
- Performances of carbon nanomaterials in symmetrical and asymmetrical supercapacitors
- New progresses in lithium, sodium, or potassium ion batteries
- Carbon nanostructures for Li-S batteries
- Current progress of carbon nanomaterials for fuel cells
- Carbon nanomaterials as selective electrochemical (bio)sensors
- Composite coatings as corrosion resistance layers
- Corrosion of electrodes in carbon nanomaterials-based nanofluids
- Oxidation/reduction reactions at the electrode/electrolyte interface
- Chemical sensing, biosensing, nanomedicine, photocatalysis, and electrocatalysis
- Applications of carbon quantum dots in emerging quantum technologies





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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

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Molecules Editorial Office
MDPI, St. Alban-Anlage 66
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