

Special Issue

Electrode Materials and Electrolytes in Supercapacitors

Message from the Guest Editors

Supercapacitors (SCs) have attracted significant interest over the past several decades owing to their superior energy density (compared with conventional capacitors), good power density (compared with batteries), rapid charge/discharge rates and long lifecycle. However, we are still far from the optimal performance of supercapacitors, which can fulfil energy demands.

Typically, the electrode materials and electrolytes define the performance of supercapacitors. In this context, significant efforts have been made to improve the electrochemical performance of SCs by designing new materials and developing new electrolytes. This Special Issue of *Molecules*, “Electrode Materials and Electrolytes in Supercapacitors”, is planned to attract a broad and interdisciplinary audience and cover recent advancements in:

- Electrode materials
- 2D electrode materials
- Polyoxometalate-based supercapacitors
- Hybrid materials
- Electrolytes
- Polymer gel-electrolytes
- Simulation and modelling for supercapacitors
- Symmetric and asymmetric supercapacitors
- Integrated supercapacitors

Guest Editors

Dr. Deepak P. Dubal

School of Chemical Engineering, The University of Adelaide, Adelaide, SA 5005, Australia

Prof. Dr. Yuping Wu

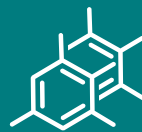
Cochair of IUPAC International Conference on Novel Materials and Their Synthesis (NMS)(www.nms-iupac.org) Dean, School of Energy Science and Engineering, Nanjing Tech University, Nanjing 211816, China

Prof. Dr. Rudolf Holze

Technische Universität Chemnitz, D-09107 Chemnitz, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

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