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Electrode Materials and Electrolytes in Supercapacitors

Guest Editors:

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Deadline for manuscript submissions:
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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

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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