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Next Generation Electrode Material

Guest Editor:

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Deadline for manuscript submissions:
closed (31 May 2020)

Message from the Guest Editor

Dear Colleagues,

The fabrication of electrode materials is of great importance for many applications worldwide. This Special Issue is focused on experimental/theoretical studies that report the synthesis, properties, applications, and new aspects of electrode materials.

Electrode materials prepared by different synthesis routes have shown diverse properties in the field of energy storage and conversion.

Topics of interest include, but are not limited to, the following:

- Electrode materials for energy storage and conversion;
- Li-ion and post Li-ion batteries (Na-ion, Mg-ion, hybrids, etc.);
- Carbon nanomaterials;
- Synthesis of organic/inorganic materials;
- Thin films (CVD, PVD, electro-less, etc.);
- Electrolytes formulation (solid state, additives, etc.);
- Electrodes from biomass;
- Electrode/electrolyte interfaces;
- Supercapacitors;
- Redox-flow batteries, Li-S, Na-S;
- Solar cells;
- Fuel cells;
- Catalysts;

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Editor-in-Chief

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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.

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