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Micro- and Nanomaterials for Energy Storage Applications

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Deadline for manuscript submissions:
closed (27 June 2019)

Message from the Guest Editor

Dear Colleagues,

The expansion of low-cost, high-energy-density and long-serving-life energy storage applications remains a great challenge to improve the trade-off between global energy supply and demand, with intense technological significance for portable electronics, electric vehicles, and grid-scale energy storage. In this context, the incorporation of micro and nano- structured materials plays a key role in the realization of advanced energy storage devices, due to their exceptional and tunable properties, such as mechanical and electrical properties, high surface-to-volume ratio, etc.

Potential topics include, but are not limited to:

- Micro- and nanomaterial design and synthesis
- Electrode materials and electrolytes for batteries
- Capacitors and supercapacitors
- Fuel cells
- Thermal energy storage
- Chemical energy storage
- Performance, lifetime and degradation studies

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Message from the Editor-in-Chief

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