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# **Novel Electrochemical Materials for Energy Storage and Conversion**

Guest Editor:

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Deadline for manuscript submissions: closed (15 December 2017)



The aim of this Special Issue is to cover from traditional and fundamental concepts to cutting edge technologies used to manufacture, test and employ different materials for energy storage and conversion. Interested areas include, but are not limited to:

- noble metal nanomaterials electrodes,
- metal oxide composites for electrochemical capacitors,
- carbon (ordered mesoporous materials) and carbon fibres,
- graphitic nanomaterials,
- aqueous and non-aqueous electrolytes,
- ion exchange membranes and microporous separators,
- turbulence promoters,
- current collectors,
- redox active materials,
- active electrodes such as carbon nanotubes, metals oxides, conductive polymers and nanocomposites
- electrode materials for microbial fuel cells.

The focus is also on current progress in energy storage including: Battery development, energy storage from renewable sources, new energy sources for transport and specific fields of portable devices, redox flow cells and electrochemical engineering.

**Special**sue







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### **Editor-in-Chief**

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### Message from the Editor-in-Chief

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