



Novel Electrode and Electrolyte Materials for Energy Storage Devices

Guest Editor:

Prof. Dr. Gregorio F. Ortiz

College of Materials Science and
Engineering, Huaqiao University,
Xiamen 361021, China

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editor

This Special Issue aims to collect submissions from scientists focused on topics related to energy storage and conversion, and those whose scientific approaches are related to the search for novel and innovative materials with potential applicability in sustainable applications. Specifically, studies with an interest in nano-scaled materials with a wide chemical structure, such as oxides, phosphates, silicates, metals, or other composite forms obtained from biological wastes, are welcome, among others.

The contribution could be focused on strategies to obtaining real progress on novel nanomaterials, composite electrodes (cathodes, anodes), electrolytes composition, and battery application.

Contributions regarding a variety of topics are welcomed, such as:

- Energy storage systems (batteries, supercapacitors, redox flow..);
- Ion storage (Li, Na, Mg,Zn, Ca, etc);
- Perspectives in energy;
- Nano-materials and nano-coatings;
- Material modeling and simulations;
- Interphases;
- Pseudo-capacitives phenomena;
- Surface properties;
- Sustainable approaches.

