



Polymers for Energy Storage and Conversion

Guest Editor:

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Message from the Guest Editor

Due to the rapidly changing global climate and numerous environmental issues, the development of renewable energies and their storage with sustainability is highly desired. In recent years, polymers and their applications have recently received significant interest as a reliable approach for achieving sustainable energy storage and conversion. The use of polymers for the energy storage and conversion has been investigated intensely over the past few decades such as dye-sensitized solar cells (DSSC), organic photovoltaics (OSC), perovskite solar cells (PSC), fuel cells, and secondary batteries.

This Special Issue “Polymers for Energy Storage and Conversion” covers the nanostructured polymers (or nano-polymers) and engineering of device architecture with an advanced polymer-based process for divergent energy storage and conversion applications with high sustainability involving solar energy systems, electrochemical cells, photocatalysts, artificial photosynthesis, fuel cells, supercapacitors, CO₂ conversions, or secondary (rechargeable) batteries.





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Message from the Editor-in-Chief

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