



## Conductive Polymer Composites for Energy Storage and Biosensor Applications

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Deadline for manuscript submissions:

**closed (20 February 2024)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to explore the latest advancements and applications of conductive polymer composites in the fields of energy storage and biosensors. Conductive polymer composites have gained significant attention due to their unique electrical conductivity, mechanical flexibility, and biocompatibility combination. Topics of interest for this Special Issue include but are not limited to:

- Synthesis and characterization of conductive polymer composites;
- Conductive fillers and their impact on composite;
- Novel fabrication techniques and strategies;
- Electrical, mechanical, and thermal properties of conductive polymer composites;
- Energy storage applications, including batteries, supercapacitors, and energy harvesting;
- Biosensors and bioelectrodes based on conductive polymer composites;
- Biocompatibility and biofunctionalization of composite materials;
- Performance optimization and scalability of conductive polymer composite devices;
- Challenges and future directions in the field.

We invite researchers, academicians, and industry professionals to contribute original research articles, review articles, and perspectives to this Special Issue.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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