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Conducting Polymer-Based Hybrid Nanomaterials

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closed (10 April 2021)

Message from the Guest Editor

Conducting polymer-based nanohybrid (CPNHs) witnessed considerable progress, and the hybridization of metals, carbon materials, inorganic semiconductors etc. with conducting polymer have been explored and continuing to grow with the objective of tuning the intrinsic properties of hybrid with multiple functionalities. Particularly CPNHs have received extensive attention in the field of energy conversion as well as storage application. It has revolutionized specific areas of catalysis such as pollutant removal, water splitting, hydrogen generation, electrochemical oxidation of organic molecule, and in other research and development in the energy domain.

This Special Issue will address advances in synthesis, processing, characterization, properties of hybrid nanomaterials including the strategies to harvest solar light and electrochemical energy for possible application in catalysis, electrochemical oxidation of organic molecules, and electrochemical sensors etc. It would ideally be guided by the fundamental scientific advances for the development of the next generation materials for photocatalytic solar fuel, sensors, environmental remedy and electrical power production.

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Message from the Editor-in-Chief

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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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