



Conductive Polymers: Synthesis and Applications

Guest Editor:

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Message from the Guest Editor

Since the discovery of conductive polyacetylene (PA) around 1977, some new intrinsic conducting polymers (ICP), including polyaniline (PANI), polypyrrole (PPY), polythiophene (PTH), and poly(3,4-ethylenedioxythiophene) (PEDOT), have been developed and attracted tremendous attention from scientific communities. These ICPs are known for their high conductivity, good processability, and long-term stability under various application conditions. The development of ICP has been successfully transferred from some laboratory research to industrial applications. ICPs have been applied in various fields, such as antistatic films, biosensor fabrication, organic field-effect transistors, transparent organic-based electronic devices, and light-emitting and photovoltaic devices.

This Special Issue will highlight the progress and fundamental aspects of the synthesis, characterization, properties, and applications of conductive polymers.





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Message from the Editor-in-Chief

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