



Oxidative Polymerization

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Message from the Guest Editor

The field of oxidative polymerization combines the practical and fundamental aspects of the synthesis, properties, and application of polyconjugated systems and electrically conductive polymers. Studies of the structure, morphology, electrical conductivity, mechanical, magnetic, and other properties of polyconjugated systems are the leading edge of physical chemistry of macromolecules. The synthesis of nanoparticles with controlled morphology as well as nanocomposites based on electrically conductive polymers opens up new horizons for their application in tailored composite materials, in molecular electronics, medicine, biology, and other fields.

This Special Issue looks into the relationship between the synthesis mechanism, morphology, structure, properties, and application of electrically conductive polymers. Priority will be given to manuscripts making a significant contribution to the understanding of the oxidative polymerization mechanism, regulation of the properties of electrically conductive polymers and their application in various fields, as well as the synthesis and use of nanomaterials, nanocomposites, and special morphology materials based on polyconjugated systems.





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Message from the Editor-in-Chief

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