



## Functional and Conductive Polymer Thin Films III

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### Message from the Guest Editor

The development of materials is a key factor in industry growth and innovation. Functional polymers are polymers bearing functional groups that have a greater polarity or reactivity than simple linear backbones. Conductive polymers are organic polymers that conduct electricity. The electrical properties can be modulated using the methods of organic synthesis and dispersion techniques. A thin film is a layer of material ranging from nanometers to several micrometers in thickness. Since layers are thin relative to the length scale, interface effects are much more important than in bulk materials, bringing about novel physical properties. Film properties and functions have become a major research field. We published many outstanding results on this topic in the first two Special Issues. The core subjects of this Special Issue suggest that these materials are promising in flexible electronic devices, biodegradable conducting polymers, sensor devices, supercapacitors, optoelectronic devices, green energy cells, batteries, wearable smart devices, organic light-emitting diodes, electrochromic devices, electromagnetic shielding and microwave-absorbent coatings, etc.





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