

Special Issue on
**Multifunctional Polymers and Related Composites for
Wearable Devices**

CALL FOR PAPERS

As the explosive growth of wearable devices on the market, the main focus has been pursuit of high performance, lightweight, cost-effectiveness, and multifunctional materials with human-friendly interfaces. Polymers and related composites with their intrinsic flexibility and multifunctionality are very promising for advancing the next-generation wearable devices, such as wearable energy conversion and storage devices and sensors.

This special issue focuses on creating a multidisciplinary forum of discussion on the most recent advances in design, synthesis, characterization, and cutting edge applications of multifunctional polymer and composites. The gathering of papers aims at providing a future outlook for research and development of wearable electronics. We invite researchers to contribute original research articles and review articles that provide new methods, new results, or new understanding in this field.

Potential topics include but are not limited to the following:

- ▶ Design, synthesis, and characterization of multifunctional polymers and related composites
- ▶ Polymers and related composites for wearable energy conversion applications (i.e., thermoelectric, piezoelectrics, triboelectrics, and optoelectronics)
- ▶ Polymers and related composites for wearable energy storage applications (i.e., lithium-ion battery, aluminum-ion battery, and supercapacitors)
- ▶ Polymers and related composites for wearable sensors (i.e., touch, pressure, thermal, humidity, and chemical)
- ▶ Scientific insights into advanced device architectures of polymer and related composite wearable electronics

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ijps/mpcd/>.

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