

Special Issue

Polymeric Nanocomposites for Wearable Applications

Message from the Guest Editors

Polymer nanocomposite materials for wearable electronic devices have attracted significant attention from numerous researchers owing to their exceptional dielectric/electrical and mechanical properties that cannot be obtained from pure polymers or conventional composites materials. Polymer nanocomposites are defined as a mixture of two or more materials in which nanoscale (smaller than 100 nm) inorganic particles are dispersed in a polymer matrix to markedly enhance their properties. These properties could include high conductivity, increased thermal stability, and tensile strength in the case of conductive materials and significantly improve the dielectric properties and mechanical flexibility in the case of dielectric materials. All these features are significantly important for future wearable electronic devices as they are expected to perform in different challenging environments. This Special Issue aims to publish high-quality research papers, as well as review articles in the emerging research field of polymeric nanocomposites for wearable applications.

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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