Special Issue

Polymers for Electronic Device Applications

Message from the Guest Editors

This Special Issue seeks to illuminate the critical role that conductive polymers play in the advancement of electronic technologies. These materials are distinguished by their unique electrical conductivity, mechanical flexibility, and ease of processing, making them ideal for a wide range of applications. Central to this Special Issue is the phenomenon of resistive switching, which enables the alteration of resistance in polymer-based materials through electrical stimuli. This mechanism is pivotal for the development of non-volatile memory devices, allowing for efficient data storage and retrieval. Beyond memory applications, conductive polymers are also being explored for their potential in sensors, energy storage systems, and flexible electronics, where their adaptability and performance can lead to innovative solutions. Contributions to this Special Issue will encompass fundamental research, material design, and practical applications, addressing challenges such as stability, scalability, and device integration. By compiling diverse perspectives and findings, this Special Issue aims to inspire further exploration and development in the field of polymer electronics.

Guest Editors

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Prof. Dr. Aman Maung Than Oo

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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 4.9.

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

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