Special Issue

Polymers in Roll to Roll Processes

Message from the Guest Editors

Flexible and wearable electronics have been considered the next paradigm following the printed circuit board (PCB)-based electronics. In the next generation of electronics, polymer-based materials can be used for various purposes, including the substrate of thin film transistors, perovskite-based photovoltaics, bio-chip, and the functional layers of flexible and wearable electronics. Especially in the roll-to-roll processes, interdisciplinarity on the material synthesis, ink composition and rheology on coating, and dynamic of the polymer-based substrate is required to achieve the mass production of highly integrated flexible and wearable electronics. This Special Issue aims to bring together the latest and innovative advances in polymer-based material synthesis, ink composition and rheology on coating, and applications in flexible and wearable electronics. Topics for this Special Issue cover, but are not limited to, the following topics:

- Synthesis of polymer-based materials;
- Flexible electronics;
- Wearable electronics;
- Bioelectronics and biosensors;
- Ink rheology on coating;
- Roll-to-Roll manufacturing;
- Artificial intelligence in roll to roll manufacturing.

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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

Prof. Dr. Alexander Böker
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