Special Issue

Functional Polymer Films for Surface Modification and Coating Applications

Message from the Guest Editor

This Special Issue aims to highlight recent advances in the design, fabrication, and application of functional polymer films developed via both vapor-based (e.g., chemical vapor deposition, plasma polymerization) and solution-based (e.g., spin-coating, dip-coating, layer-by-layer assembly, sol–gel processing) techniques. We welcome contributions focusing on polymer films engineered for the following:

- Controlled surface wettability (hydrophobic, hydrophilic);
- Advanced surface functionalities;
- Conductive, dielectric, or semiconducting behavior;
- Stimuli-responsive or environmentally adaptive surfaces;
- Surface patterning, texturing, or hierarchical structuring;
- Theoretical modeling or simulation of surface-related phenomena.

Both experimental and theoretical studies are encouraged, ranging from fundamental investigations to application-oriented research with potential for real-world impact. We invite researchers from across disciplines, including polymer science, materials chemistry, surface engineering, and nanotechnology, to contribute their latest findings.

Guest Editor

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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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