

Special Issue

Advances in Functional Polymer Coatings and Surfaces

Message from the Guest Editors

This Special Issue aims to collect cutting-edge original research papers and reviews on the topic of below: The synthesis of novel functional polymers targeting special surface properties, with a sustainable approach being preferable; Novel methodologies to characterize functional coating materials, coating properties, and failure of functional coatings; Surface coatings with a reduction in/the elimination of previously used toxic chemicals without diminishing performance; Functional coatings derived from novel additives, providing novel properties; Functional coatings replacing fluoropolymers (on substrates such as metal, textile, and paper); Investigations into mechanisms to understand the fundamentals behind a functional coating's performance. **Keywords**

- adhesion
- super-hydrophobic
- antifouling
- self-stratifying
- antibacterial
- anti-icing
- safe/green additives
- thermochromic
- conductive
- antireflective
- self-healing
- shape memory

Guest Editors

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Deadline for manuscript submissions

closed (5 March 2025)



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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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