



Enhanced Polymer Composite Thin Films

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Message from the Guest Editor

This Special Issue will provide up-to-date overviews of key developments in the fields of polymeric thin films and composite coatings. Topics of interest in this Issue include:

- Design, modelling, and applications of composite coatings and thin-film materials;
- Synthesis and manipulation of thin film growth dynamics, microstructure, nano-architectures, and interfaces;
- Characterization of structure–property–activity relationships probing intrinsic mechanical behavior, biocompatibility, film stability, entropic effects, interfacial stress–strain forces, tribological properties, durability characteristics, etc.;
- Computational modelling of thin-film architectures, surface modification, substrate–coatings coupling interactions, synergic behaviors, energy alignment at interfaces, percolation effects, etc.
- Novel and/or lower-cost manufacturing and processing routes for industrial production capability;

We invite contributions from scholars on the latest research, development, and conceptual reviews spanning the theoretical, experimental, engineering, and scale-up manufacturing applications of polymeric thin films and coatings.





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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 5.0.

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.

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