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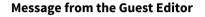
Enhanced Polymer Composite Thin Films

Guest Editor:

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Deadline for manuscript submissions: closed (25 October 2020)



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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