



Advanced Polymer-Coated Materials: Fabrication, Characterization and Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Numerous advanced or functional polymers in the form of thin films can be applied onto the surface of various materials which utilize different coating techniques, such as dip coating, roll-to-roll coating, spin coating, etc. Accordingly, the surface properties (adhesion, wettability, and biocompatibility) are modified, and the morphological, physical-mechanical, and/or optical properties changed. Moreover, the special functionalities, such as flame retardancy, super-hydrophobicity, thermal and electro-conductivity, antibacterial, UV- and EMI-shielding functionalities, etc., can be tuned regarding the final applications.

This Special Issue aims to cover the most recent experimental and theoretical developments in the field of polymer-coated materials (membranes, films, fibers, textiles, composites, metals, glass, etc.) with focus on their fabrication, characterization, functional properties, and applications. Researchers from both academia and industry are invited to contribute manuscripts in the form of original full-length articles, communications, and critical reviews.





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Message from the Editor-in-Chief

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