Special Issue

Recent Advances in Polymer and Polymer Related Membranes/Films

Message from the Guest Editor

It is our pleasure to invite you to submit your contribution to this Special Issue on “Recent Advances in Polymer and Polymer-Related Membranes/Films”. This Special Issue aims to bring together work on the synthesis, characterization and applications of polymers, polymer membranes and films. The most-used polymer membrane/film preparation techniques include phase inversion, electrospinning, self-assembly, grafting polymerization, layer-by-layer assembly, and sol–gel. The aim of this Special Issue is to provide an opportunity to share new preparation methods for polymers, polymer membranes and films, in an interactive and interdisciplinary manner. The topics of particular interest include, but are not limited to:

- Novel methods for preparing polymers and polymer membranes/films
- Films with special functions and properties
- Structure–property relationships
- Advances in synthesis and preparation
- Polymer membrane/film performances
- Characterization by various techniques (e.g., FTIR, SEM, TEM, TGA, AFM, XRD, EDAX, Raman, electrochemical impedance spectroscopy (EIS))

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/150284

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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