Special Issue

Synthesis and Antifouling Applications of Polymer Films and Coatings

Message from the Guest Editors

This Special Issue will highlight research efforts in developing coatings or polymer films to protect structures immersed in the marine environment against biofouling. The ambition of this Special Issue is to bring experts from around the world providing the latest basic and applied research advances in chemistry, physical chemistry, coatings, and materials for this purpose. Over the recent past, research into novel antifouling or fouling release polymers and coatings has gained significant attention. This Special Issue will focus on key challenges in inhibiting biofouling colonization by designing materials with tailored surface chemistry, topography, and bioactivity. Themes on biodegradable or hydrolyzable polymers, bioinspired synthetic antifouling coatings, biomimetic approaches imitating topographical patterns of a marine organism's surface, smart coatings or engineered surfaces will be included.

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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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