Special Issue

Polymeric Materials: Surfaces, Interfaces and Bioapplications

Message from the Guest Editors

Polymeric materials—either synthetic or natural—play an essential role in everyday life. Understanding how the properties (and therefore, the applications) of polymers can be varied or even improved by modifying or changing the polymeric surface or interfaces is a driving force for researchers. This Special Issue aims to cover all the aspects related to recent innovations on surfaces, interfaces, and bioapplications of polymeric materials. Special emphasis will be placed on the influence of chemical or physical surface modification on the inferred properties, such as wettability, stimuli-responsiveness, compatibility, adhesion, toxicity, etc. Besides, contributions analyzing the effect of interfaces and interphases of polymeric blends, hybrids, or (nano)composites on their physico-chemical and biological properties are also appreciated. We also intend to include functional and protective coatings as well as thin films for biological applications in this Special Issue. Finally, we would like to emphasize that this Special Issue is widely inclusive, so we expect a large number of works to fall within its scope.

Guest Editors

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Deadline for manuscript submissions

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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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