Special Issue

Biopolymers: Synthesis, Properties and Biological Applications

Message from the Guest Editor

Biopolymers are naturally derived macromolecules which have found wide acceptance in various industries, on account of their distinguished environment-friendly properties. Biopolymers are now an important part of every sector (food industry, nanotechnology, chemistry, agriculture, etc.). However, their main application is related to biomedical science, as biopolymers are biocompatible and bioresorbable. Natural polymers may be used to obtain different types of materials designed for human health care, such as implants, dressings, drug delivery systems, biocompatible coatings, etc. In this Special Issue, modern trends in biopolymers synthesis, analysis, and biological studies are highlighted and discussed. This Issue is collecting novel studies related to biopolymers dedicated to biomedical applications. Papers may include physicochemical properties of biopolymeric-based materials, as well as their in vitro and in vivo evaluation. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full research papers, communications, as well as reviews are all warmly welcome.

Guest Editor

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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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