Special Issue

Structure-Property Relationships in Polymer Networks and Related Materials for Dental and Medical Application

Message from the Guest Editor

Materials based on polymer networks have a superior status in dentistry and orthopedy. Dentistry and orthopedy are interested in the highest possible quality of materials offered, which must meet a number of physicochemical, mechanical and biological requirements throughout the service life. As the chemical structure of monomers and the molecular structure of the resulting polymer networks determine the physicochemical, mechanical and biological properties of the material, comprehensive studies are essential for explaining and understanding these properties and their interrelations. This Special Issue aims to highlight research within the structure–property relationships in polymer networks and related materials with commercial and potential applicability in dentistry and medicine. Studies on the newly designed systems, as well as chemically or physically modified well-known systems, are welcome. Model studies providing deeper investigations on structure–property relationships of well-known systems are also in demand.

Guest Editor

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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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