Special Issue

Modification of Diamond-Like Carbon Coatings for Biomedical Application

Message from the Guest Editors

Diamond-like carbon coatings (DLCs) deposited using many different CVD or PVD techniques still arouse invariable interest in the field of biomedical applications. We can manufacture diamond-like carbon coatings with different chemical compositions, structures, and topographies in order to obtain an appropriate biological response. The discovery of new solutions in biomedical applications and the improvement of modern implants is possible through the surface modification of DLC coatings. The purpose of this Special Issue is to show current trends taking advantage of the surface modification of DLC coatings. Articles showing the relationships between the technological parameters and biological characteristics, including the possibilities of doping DLC coatings, their plasma, or chemical surface modification, as well as the application of DLC in multilayer structures, will be appreciated.

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Message from the Editorial Board

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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