Special Issue

Biocompatible Materials Investigated with Optical Methods

Message from the Guest Editor

The aim of this Special Issue is to bring together such optical and non-optical methods for in vitro and/or in vivo characterizations of biocompatible materials. Of special interest are hot topics such as OCT, as well as emerging techniques and, also, the correlation of a range of methods (as mentioned above) to design, test, optimize, or assess after the implementation of biomaterial, for both the material as well as the corresponding tissue. Development and testing of dedicated systems and probes, as well as image and data processing to optimize biomaterials assessments, are also encouraged. **Keywords:**

- biomaterials
- biocompatibility
- optical methods
- biophotonics
- biomedical imaging
- optical coherence tomography (OCT)
- optical microscopy
- confocal microscopy
- X-rays investigations
- data/image processing

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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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