Special Issue

Laser Processes of Nanomaterials for Tissue Engineering and Biomedicine

Message from the Guest Editor

Laser-based technologies have introduced innovative approaches in material sciences to address major issues in modern medicine and life sciences. This Special Issue aims at covering the state of the art in the design of materials and nanomaterials based on laser approaches for biomedical applications including nanomedicine, tissue engineering, regenerative medicine, and even bioclinical analyses. The proposed Special Issue is inviting original articles in form of communications, full papers, and reviews demonstrating the progress in the research fields of laser-synthesized nanosystems for increased biosensor sensitivity, faster detection, and cancer research therapy. The design of novel biomimetic functional platforms through combination with other chemical and physical methods for tissue engineering and regenerative medicine are also of great interest and will be covered in the issue.

Guest Editor

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Deadline for manuscript submissions

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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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