Special Issue

Nanomaterials for Enhanced Photodynamic Therapy

Message from the Guest Editor

The need for adapted and improved chemical nanosystems for therapeutic applications is of high importance in the field of medicine, as classical treatments are too invasive with significant side-effects. Photodynamic therapy (PDT) provides an alternative treatment through the synergy of three essential components: i) the photosensitizer (PS) or a light-activated drug, ii) an appropriate wavelength to activate the PS, and iii) oxygen, which is the terminal generator of toxic species. The use of the new generation of photosensitizers associated with different types of delivery vehicles has received strong interest within the field of the PDT. This Special Issue on "Nanomaterials for Enhanced Photodynamic Therapy" will provide an overview of recent advances and cutting-edge approaches that allow better studying of nanodevices and their use in PDT. Both original research articles and comprehensive reviews pertaining to a relevant topic within this field are welcome. We look forward to reading your contributions.

Guest Editor

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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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