Special Issue

Vibrational Spectroscopy for Biomedical Materials Analysis

Message from the Guest Editor

Vibrational spectroscopy is a rapidly growing field and it has found applications in industries including material science, pharmaceutical manufacture, food and drug safety, and process monitoring on production lines. Based on the non-invasive features, interest in clinical spectroscopy is analogously rising rapidly, as researchers recognize the potential of the vibrational spectroscopic techniques—infrared (IR) and Raman spectroscopy—as non-invasive tissue diagnosis tools and biomedical materials. In clinical pathology, vibrational spectroscopy is widely employed in cancer detection and diagnosis, the pathology of microorganisms, in vivo spectroscopy, and imaging. Analogously, the materials to be used in biomedical applications can be satisfactorily analysed by making use of vibrational spectroscopy. The Special Issue is open to new advances in the application of vibrational spectroscopies (IR and Raman) to medical materials analysis. It is my pleasure to invite you to submit reviews, regular research papers, and communications to this Special Issue.

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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