Special Issue

Novel Diagnostic Methods for Biological Material and Biomaterial Characterization

Message from the Guest Editor

This Special Issue will constitute an international forum for experts such as application scientists, professionals, and academics to exchange knowledge regarding the current limitations and their solutions. Furthermore, novel ideas for future diagnostic developments in biological materials will be discussed. There is a plethora of research constantly occurring related to biological materials and biomaterials. Their characterization is extremely important since it provides the indexes that answer the research questions. Established analytic methods such as gas chromatography (GC) and liquid chromatography methods but also optical spectroscopic techniques such as Raman, NMR, and even FT-infrared (FT-IR) are receiving a lot of attention for the characterization of biological materials and biomaterials. The extensive research and development of the aforementioned methods, with innovative hardware, electronics, software, optics, and signal amplification methods (the use of nanoparticles) are significant contributions to novel diagnostic methods for biomaterial characterization.

Guest Editor

Dr. Vassilis M. Papadakis

1. Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology-Hellas, GR-700 13 Heraklion, Greece
2. XpectralTEK LDA, Travessa dos Prados, NR. 13, 4705-827 Braga, Portugal

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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