

Special Issue

Advancement in Optical Macro-, Micro- and Nano-Sensors for Biomedical Applications

Message from the Guest Editors

The aim of this Special Issue is to encourage scientists and researchers to publish high quality research papers emphasizing the advancement in macro-, micro- and nano-sensor-based optical technologies, used for sensing applications in biomedical engineering and sciences. This Special Issue includes comprehensive original research and review papers that cover important aspects of state-of-the-art optical biosensor devices in macro-, micro- and nano-scale. We hope this Special Issue on various innovative aspects related to optical macro-, micro- and nano-sensors for biomedical applications will have a significant impact on improving the quality of human life and motivating dedicated researchers in exploring futuristic avenues in this domain. Manuscript topics may include, but are not limited to, the following:

- Optical nano-sensors;
- Optical micro-sensors;
- Optical macro-sensors;
- Detection of diseases/pathogens/viruses using optical biosensors;
- Lab-on-a-chip sensors;
- Raman based sensors;
- Fluorescence based sensors;
- Optical fiber sensors;
- Opto-electronic sensors;
- Opto-mechanical sensors;
- Optical imaging sensors;

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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