

Special Issue

Applications of Raman Techniques in Biosensing

Message from the Guest Editor

This Special Issue focuses on recent developments in the field of “Applications of Raman Techniques in Biosensing”. Technological advances of the last few years in lasers, solid-state photodetectors, and optical elements have significantly boosted the sensitivity of Raman non-invasive techniques, which provide high, 3D-resolution and selective label-free sensing of biomolecular environments. These Raman scattering techniques include, but are not limited to, spontaneous coherent and resonance Raman, SERS, SERRS, TERS in (micro-)spectroscopy, and imaging. Exciting application fields for these sensing techniques are biophysical studies, biomedical diagnostics, monitoring of drug–cell interactions, single-cell and organelle studies, and many others. You are kindly invited to submit your original articles or reviews.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2018)



Biosensors

an Open Access Journal
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Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



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About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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