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Applications of Raman Techniques in Biosensing

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Andrey Kuzmin

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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