



Surface-Enhanced Raman Scattering in Biosensing Applications

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Message from the Guest Editors

Dear Colleagues,

The main features of surface-enhanced Raman spectroscopy (SERS) are ultra-high sensitivity, molecular specificity, short measuring time, low cost and wide range applications. In the last few decades, the development of high-quality and affordable SERS substrates has been accompanied by an increase in the number of applications and a similar growth trend is expected until 2030 and beyond. SERS currently finds the largest number of applications in medical research and pharmacy. However, areas of application for which accelerated development is expected are food safety and environmental protection.

This Special Issue aims to provide an overview of research that includes SERS analysis of biomolecules examined in the aforementioned research areas and wider. Biomolecules can be investigated on standard or innovative SERS substrates following direct or indirect approach methods. Papers including a portable Raman spectrometer system for accurate on-site diagnostics of bio-analytes are encouraged.





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Message from the Editor-in-Chief

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