



sensors



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Surface-Enhanced Raman Scattering (SERS) for (Bio)chemical Sensing Applications

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 September 2023)

Message from the Guest Editor

Dear Colleagues,

For this Special Issue, we invite both reviews and original research articles discussing novel SERS-based (bio)chemical sensing techniques that can be applied to analyte detection, quantification, or mapping. Research articles may focus on the use of SERS-based sensors in biological analysis, medical diagnostics, illicit drug detection, science, public safety, or food and water quality inspection. Chemical, colloidal, nanofabrication or other methods that can lead to ultrasensitive analyte detection through Raman signal enhancement (e.g., ultrasensitive SERS substrates) are welcome. Of special interest are applications of SERS with the potential to lead to miniaturized sensors, such as microfluidic (lab-on-a-chip) devices, portable/handheld SERS-based sensors for point-of-need applications, etc. Reviews must offer a critical and up-to-date overview of the state-of-the-art in a particular application, or discuss present and future challenges of SERS-based sensors (limit of detection, multiplexing, detection in complex matrices, etc.).

Prof. Dr. Aris Docoslis

Guest Editor



mdpi.com/si/63966

Special Issue



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Message from the Editor-in-Chief

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