Special Issue

Application of Surface-Enhanced Raman Spectroscopy (SERS) in Chemical and Life Sciences

Message from the Guest Editors

Raman spectroscopy constitutes a versatile, rapid and efficient analytical method for the structural characterization of materials, the investigation of mechanical and physicochemical properties, and the screening of processes. This Special Issue focuses on highlighting the suitability of SERS to shed light on the structure and properties of materials over different length scales from micro- to the nanometer size. We also invite contributions that combine SERS with other techniques based on different operating principles. This Special Issue aims to cover a broad range of research topics, spanning the fields of materials science and engineering (e.g., phase transitions), environmental science, analytical and physical chemistry (e.g., chemical sensing, single molecule detection), biology and medicine (e.g., biosensing, pathogen detection), biotechnology (e.g., food science), and others.

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