Special Issue

Raman and Surface-Enhanced Raman Scattering Techniques in Analytical and Biomedical Fields

Message from the Guest Editors

Raman and Surface-Enhanced Raman Scattering (SERS) techniques have advanced significantly, becoming a powerful analytical tool in materials science, pharmaceuticals, biosensors, environmental monitoring, and the analysis of biological systems. Raman technology has developed high-resolution imaging and portable systems for on-site analysis, while SERS has improved sensitivity to detect low concentrations of analytes. SERS has applications in biosensors and diagnostics, with the potential to revolutionize the medical field for disease detection and monitoring of therapeutic treatments. These advances make Raman technology and SERS versatile and valuable tools for future research and applications.

Guest Editors

Dr. Leonardo Negri Furini

Departamento de Física, Universidade Federal de Santa Catarina, Florianopolis, SC, Brazil

Dr. Rafael Jesus Gonçalves Rubira

Exact Sciences (IGCE) Physics Department, Institute of Geosciences, São Paulo State University–UNESP, Rio Claro 13506-900, SP, Brazil

Deadline for manuscript submissions

closed (30 April 2025)

Chemosensors

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 7.3

mdpi.com/si/172982

Chemosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
chemosensors@mdpi.com

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Beijing Key Laboratory of Microanalytical Methods and Instrumentation, Department of Chemistry, Tsinghua University, Beijing 100084, China

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Institute of UTINAM, University of Franche-Comté, UMR-CNRS 6213, 16 Gray Road, 25030 Besançon, France

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