



sensors



an Open Access Journal by MDPI

Novel Applications and Developments of Raman Spectroscopy for Biomolecule Detection

Guest Editor:

Dr. Jemma Kerns

Lancaster Medical School,
Faculty of Health and Medicine,
Lancaster University, Lancaster,
UK

Deadline for manuscript
submissions:

closed (30 November 2022)

Message from the Guest Editor

Raman spectroscopy is a well-established laboratory technique that lends itself to non-destructive interrogation of materials and also has vast potential in clinical applications.

Aligned with the scope of *Sensors*, this Special Issue will focus on novel applications in the detection of biomolecules using Raman spectroscopy.

This Special Issue welcomes applications relating to the development of Raman spectroscopy as a technique to optimize measurements beyond the surface of a material, and the computational tools required to elevate this technology for widespread use in health.

Keywords

- Raman spectroscopy
- Surface-enhanced Raman spectroscopy
- Spatially offset Raman spectroscopy
- Artificial intelligence
- Biomolecules
- Health: Disease



mdpi.com/si/60310

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)