

Special Issue

Biosensors Technology and Its Applications Based on Raman Spectroscopy and Imaging

Message from the Guest Editors

We invite Colleagues and expert in the field to submit original research articles, review articles, or perspectives covering both technical developments and applications of Raman spectroscopy and imaging for biosensing.

We look forward to receiving your contribution and welcome your participation in this Special Issue.

Keywords (are not limited to)

- Raman spectroscopy in biomedical imaging and sensing
- SERS spectroscopic imaging and sensing
- Optical sensors for biomarkers
- Optical fibers and sensors for biomedicine
- Multimodality optical diagnostic systems
- TERS, CARS, SRS, hyperspectral imaging applications in biomedicine
- Spectral analysis, multivariate analysis
- Label-free cellular imaging and cellular dynamics
- Portable biosensors
- Lab-on-fiber biosensors
- In situ diagnostics

Guest Editors

Dr. Anna Chiara De Luca

Institute of Biochemistry and Cell Biology - National Research Council of Italy, Via Pietro Castellino n.111, 80131 Napoli, Italy

Dr. Stefano Managò

Institute of Biochemistry and Cell Biology - National Research Council of Italy, Via Pietro Castellino n.111, 80131 Napoli, Italy

Deadline for manuscript submissions

closed (31 January 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/67820

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

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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.

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

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 and Instrumentation) / CiteScore - Q1 (Instrumentation)