



Optical Biosensors

Guest Editors:

Prof. Dr. Raffaele Velotta

ElicaDea, Spinoff of Federico II
University, 80131 Naples, Italy

Dr. Bartolomeo Della Ventura

Università degli Studi di Napoli
Federico II, Naples, Italy

Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editors

Dear Colleagues,

Recently, immunosensors have attracted attention because they are widely applied for the detection of various pathogens. Among the commonly used immunosensors, the optical immunosensor features prominently as an effective tool for the quantification of the amount of antibodies, antigens, or haptens in complex samples with high sensitivity and specificity.

This Special Issue welcomes both reviews and original research articles in the field of optical immunosensors. Topics include but are not restricted to optical-fiber platforms, colorimetric sensors (e.g., LSPR), surface plasmon resonance, Raman spectroscopy, and fluorescence (also plasmon enhanced fluorescence).

There is no limit to the chemical and biological aspects by which an optical immunosensor can be manufactured.

Prof. Raffaele Velotta

Dr. Bartolomeo Della Ventura

Guest Editors





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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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