



Biomedical Sensors-Recent Advances and Future Challenges

Guest Editor:

Prof. Dr. James F. Rusling

1. Department of Chemistry,
University of Connecticut, Storrs,
CT 06269-3060, USA
2. Department of Surgery and
Neag Cancer Center, Uconn
Health, Farmington, CT 06030-
0001, USA

Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editor

Dear Colleagues,

This Special Issue is devoted to original peer-reviewed papers covering all aspects of biomedical sensors. It is focussed on biomedical sensors, including source and detection technologies for the study, treatment, and prevention of various diseases and injuries; biomedical sensor design and fabrication, performance, processing approaches, and applications; new developments and recent improvements in designs; and the electronics, data processing, and materials of biomedical sensors. The articles should address the most recent advances and future perspectives and challenges in biomedical sensors.

In the Special Issue, we would like to publish high-quality manuscripts, particularly review contributions, that demonstrate the advances in biomedical sensors.

Prof. Dr. James Rusling
Guest Editor





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](#)