Special Issue

Key Enabling Technologies Based on Micro and Nanotechnology for Biosensors

Message from the Guest Editors

Biosensors are attracting significant interest in the fields of medicine, environment, and the food industry. This is because of their potential applications in the detection and quantification of a wide range of toxic agents (contaminates such as pesticides; heavy metals; and volatile organic compounds found in food, air, and drinking water capable of causing intoxication, disease, or chronic illness); diverse, clinically important pharmacologically species (pathogenic organisms, active molecules, microbial metabolites, and disease markers); and by-products of the food industry processes (e.g., ethanol, glucose, and bioactive compounds to indirectly measure the process conditions and quality of the products). Micro and nanotechnology are playing an increasingly important role in the progress of biosensors, allowing the development of sophisticated instrumentation in cheap and portable microsystems. The goal of this Special Issue is to encourage scientists to publish as much detail as possible related to all aspects of biosensors based on micro and nanotechnology, from their theory and design to the applications of complete sensing devices.

Guest Editors

Dr. Daniel Matatagui

Instituto de Tecnologías Físicas y de la Información, Consejo Superior de Investigaciones Científicas, C. Serrano 144, Madrid, Spain

Prof. Dr. Jesus Lozano

Industrial Engineering School, University of Extremadura, 06006 Badajoz, Spain

Deadline for manuscript submissions

closed (31 July 2021)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/34493

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

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

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)