Special Issue

Innovative Medical Applications of pH/Impedance Sensors

Message from the Guest Editor

This Special Issue aims to present new diagnostic concepts and techniques based on using the impedance–pH monitoring as well as proposing a novel approach in the interpretation of existing impedance–pH diagnostic tools. Manuscripts with scopes in the state-of-the-art clinical research associated with impedance–pH monitoring are encouraged for submission. Reviews, hypothetical concepts, and opinions on particular techniques of measuring the impedance–pH parameters will be considered.

- pH sensors
- impedance sensors
- biosensors
- medical applications
- neurogastroenterology
- gastrointestinal physiology
- MII-pH technology
- diagnostic markers
- diagnostic accuracy

Guest Editor

Dr. Jafari Jafar

Faculty of Life Sciences and Medicine, King's College London, London, UK

Deadline for manuscript submissions

30 July 2025



Sensors

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



mdpi.com/si/225031

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



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)

