



sensors



an Open Access Journal by MDPI

MEMS and NEMS Sensors: 2nd Edition

Guest Editor:

Prof. Dr. Mustafa Yavuz

Mechanical and Mechatronics
Engineering Department,
University of Waterloo, Waterloo,
ON N2L 3G1, Canada

Deadline for manuscript
submissions:

closed (15 July 2025)

Message from the Guest Editor

Dear colleagues,

This Special Issue aims to introduce the manufacturing, packaging, and integration of autonomous and embedded sensors through a combination of micro- and nano-systems. Topics in general include, but are not limited to, the following:

- Autonomous and embedded sensors: design, manufacture, packaging, and reliability;
- Biosensors (photonic, electrical, chemical) and their integration into MEMS, CMOS, and microfluidic systems for COVID-19 and other (future) pandemic proteins/metabolites/analytes;
- Sensor interconnectors/interfaces and their testing;
- Graphene-based nano-sensors;
- Electronic circuits for MEMS nano-sensor modulation;
- Nano-electro-mechanical sensors.



mdpi.com/si/200887

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 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 and Instrumentation) / 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](#)