



Topical Advisory Panel Members' Collection Series: "Terahertz Sensors"

Guest Editors:

Prof. Dr. Viktor Krozer

Department of Physics, Goethe
University of Frankfurt am Main,
Max von Laue Strasse 1, 60438
Frankfurt, Germany

Prof. Dr. Andreas Penirschke

Faculty of Information
Technology, Electrical
Engineering, Mechatronics
Department, Technische
Hochschule Mittelhessen,
Wiesenstraße 14, 35390 Giessen,
Germany

Deadline for manuscript
submissions:

20 October 2024

Message from the Guest Editors

Dear Colleagues,

In recent years, terahertz technology has developed rapidly and has shown a wide range of potential applications in the fields of communication, imaging, detection, and medicine. Terahertz (THz) waves have the properties of good coherence, high signal-to-noise ratio, and low radiation energy and are widely used in the field of sensing. This Special Issue aims to provide a comprehensive overview of terahertz sensors. We seek research articles and reviews that provide insight into terahertz sensors. Topics of interest include (but are not limited to):

- Sensing mechanisms;
- Terahertz physics;
- Gas and liquid sensors;
- THz imaging systems;
- Chemical sensors;
- Biomedical sensors;
- Fiber optic sensors;
- THz sensors and arrays;
- THz diffractive optics;
- Medical imaging.





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](#)