



an Open Access Journal by MDPI

Progress in the Development in High-Z and Wide-Bandgap Compound Semiconductor Radiation Detectors

Guest Editors:

Dr. Leonardo Abbene

Department of Physics and Chemistry, University of Palermo, Viale delle Scienze, Edificio 18, 90128 Palermo, Italy

Dr. Antonino Buttacavoli

Department of Physics and Chemistry, University of Palermo, Viale delle Scienze, Edificio 18, 90128 Palermo, Italy

Dr. Manuele Bettelli

Istituto Materiali per l'Elettronica e il Magnetismo, Consiglio Nazionale delle Ricerche (IMEM/CNR), Parco Area delle Scienze 37/A, 43100 Parma, Italy

Deadline for manuscript submissions:

closed (25 January 2024)

Message from the Guest Editors

This Special Issue aims to receive submissions of both review and original research articles related to the state-of-the-art in high-Z and wide-bandgap compound semiconductor radiation detectors as well as prospects for future developments and applications.

- compound semiconductor radiation detectors
- room temperature semiconductor detectors
- X-ray and gamma ray semiconductor detectors
- CdZnTe detectors
- CdTe detectors
- CdZnTeSe detectors
- GaAs detectors
- HgI₂ detectors
- TlBr detectors
- SiC detectors
- perovskite radiation detectors
- organic radiation detectors





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](#)