

Topical Collection

Measurements, Instrumentation, Sensing and Simulation Techniques for the Detection of Radiation

Message from the Collection Editors

This special issues will host original papers on both, fundamental and applied research and reviews regarding the design, construction and use of instrumentation, methodologies and techniques for the detection of nuclear radiation generated by natural and artificial radionuclides or by nuclear reactions used in several application fields (energy, medicine, industry, security, safety). The papers can be oriented also on: the design and construction of systems for innovative nuclear measurements; the measurements and instrumentation for nuclear plants; the measurements and instrumentation used in nuclear decommissioning or waste management; the applications of radioisotopes in industrial and non-industrial fields; the detection of environmental radioactivity and nuclear metrology; safety and protection from radiation; the geological, archaeological and environmental dating; methods and detection techniques for radioecology; sensing techniques and instrumentation for biomedical application; radiometric measurements including gamma and particle emissions; the development and performance of nuclear instrumentation including radiation spectrometry, dosimetry and novel counting systems.

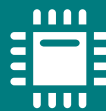
Collection Editors

Dr. Andrea Malizia

Department of Biomedicine and Prevention, University of Rome Tor Vergata, 00133 Rome, Italy

Dr. Tzany Kokalova Wheldon

Nuclear Physics Group, School of Physics and Astronomy, University of Birmingham, Birmingham B15 2TT, UK



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/52381

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

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



[mdpi.com/journal/
sensors](https://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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)