



sensors



an Open Access Journal by MDPI

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

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

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.



mdpi.com/si/52381

Topical Collection



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 (*Chemistry, Analytical*) / 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](#)