

## Special Issue

# Innovative Detection Techniques for Ionizing Radiation in Medicine, Environment and Space

### Message from the Guest Editors

We are witnessing a growing interest in the monitoring of ionizing radiation both due to the legislative updates following the transposition of the European Directive 59/2013 EURATOM (which represents the Basic Safety Standards—BSS), and due to the increase in awareness of the risks associated with exposures. In addition to living and working environments, another frontier is the exposure of astronauts. This Special Issue therefore aims to gather original research and review articles on recent advances, technologies, solutions, applications and new challenges in the field of detection techniques for ionizing radiation. Potential topics include, but are not limited to, the following:

- Passive detectors;
- Active detectors;
- Continuous monitoring;
- Clinical dosimetry;
- Space dosimetry;
- Environmental dosimetry;
- Monte Carlo simulation in clinical dosimetry.

This topic falls within the scope of *Sensors* as it concerns studies and progress in the development and use of sensory devices and their application in industry, the environment and, in particular, work and life scenarios.

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### Guest Editors

Dr. Giuseppe La Verde

Prof. Dr. Mariagabriella Pugliese

Dr. Marina Poje Sovilj

Prof. Dr. Roberto Senesi

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### Deadline for manuscript submissions

31 December 2025



## Sensors

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## 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.

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### Editor-in-Chief

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