

Special Issue

Advanced Sensing Techniques for Environmental and Energy Systems

Message from the Guest Editor

The modern demand for sustainable and efficient environmental and energy solutions has led to the rapid development of sensor technologies and advanced computational models. The Special Issue "Advanced Sensing and Modeling Techniques for Environmental and Energy Systems" aims to gather original research papers and reviews related to sensors, environmental data, and modeling to enhance energy efficiency, air quality, and climate analysis. We invite scientists from diverse fields to submit their papers.

Topics of interest include, but are not limited to:

- Smart sensors and sensor networks for monitoring environmental parameters.
- Integration of sensor data with computational models for extreme value prediction, energy efficiency analysis, and aerodynamics in enclosed and open environments.
- Development of predictive algorithms and methodologies for environmental conditions based on sensor data and advanced computational models.
- Applications of sensors and models in energy systems.
- Optimization of ventilation and air management systems in industrial and urban areas through sensors and predictive models.

Guest Editor

Dr. George Efthimiou

Chemical Process and Energy Resources Institute, Thessaloniki 57001, Greece

Deadline for manuscript submissions

closed (25 February 2026)



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

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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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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