

Special Issue

Biodegradable and Polymer-Based Sensors

Message from the Guest Editors

We are pleased to announce a Special Issue focused on the application of biodegradable sensors derived from biomaterials and polymeric materials that degrade under environmental conditions like UV exposure, heat, and oxygen. The issue will highlight cutting-edge research on sensors capable of measuring a wide range of physical, chemical, and biochemical parameters, including but not limited to temperature, humidity, pressure, and the detection of chemicals and biological substances. We invite contributions exploring the mechanisms behind these sensors, particularly how they convert physical, chemical, and biochemical phenomena into measurable signals. Additionally, we welcome research on advancements in sensor signal acquisition and processing, with an emphasis on integrating emerging technologies for efficient data interpretation. The goal of this Special Issue is to highlight the transformative potential of biodegradable sensors in promoting sustainability while maintaining high performance across various sensing applications.

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Deadline for manuscript submissions

5 March 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/224353

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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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