

Special Issue

Chemical Sensors—Recent Advances and Future Challenges 2025

Message from the Guest Editor

We are pleased to announce that the Chemical Sensors Section is now compiling a collection of papers submitted by the Editorial Board Members (EBMs) of our section and by outstanding scholars in this research field. We welcome contributions as well as recommendations from EBMs. The scope of this Special Issue includes, but is not limited to, the following topics: new developments and recent improvements in the design, synthesis, and performance evaluation of materials for sensitive layers and transducers; the study of their sensing mechanisms; the evaluation, processing approaches, and applications of chemical sensors; the driving electronics, data processing, and chemical sensor array chemometrics; DNA chips; lab-on-a-chip technology; microfluidic devices; nanobiosensors and nanotechnology used in biosensors.

Guest Editor

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Deadline for manuscript submissions

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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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