

Special Issue

Electronic Nose: From Fundamental Research to Applications

Message from the Guest Editors

Electronic nose devices have received considerable attention in the field of sensor technology during the past twenty years, largely due to the discovery of numerous applications derived from research on diverse fields of applied sciences. This Special Issue aims to collect recent research on electronic nose devices and their applications in agricultural, biomedical, cosmetics, environmental, food, manufacturing, military, pharmaceutical, regulatory, and various other scientific research fields, in addition to highlighting the future development of this rapidly expanding research area. We are looking for submissions of original studies that highlight gas-sensing materials and electronic nose devices. Reviews that cover well-summarized prospects are also encouraged. The topics include, but are not limited to, the following:

- Electronic noses;
- Optoelectronic noses;
- Gas sensors;
- Signal processing.

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2025)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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