

Special Issue

Cutting-Edge Technologies in Molecular Detection: From Nanosensors to AI-Driven Analysis

Message from the Guest Editor

This Special Issue encompasses a wide array of topics, including but not limited to the following:

- Nanotechnology in Detection: the use of nanoparticles and nanosensors for the detection of biomolecules, toxins, and environmental pollutants.
- Bioanalytical Techniques: innovations in bioassays, immunoassays, and biosensors for monitoring biologically active compounds.
- Food Science: development of rapid, reliable tests for detecting residues, pathogens, and adulterants in food products.
- Clinical Diagnostics: novel diagnostic tools and techniques for early and precise detection of diseases at the molecular level, including DNA analysis and trace evidence detection.

Guest Editor

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Deadline for manuscript submissions

20 November 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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