

Special Issue

Nano and Micro DNA/RNA Biosensors

Message from the Guest Editor

Nano and Micro Biosensors are state-of-the-art analytical tools with many applications. They have gained the interest of scientists due to their unique advantages. Nucleic acids, DNA and RNA, are usually the preferred analytes due to their stability in diverse environmental conditions or during extensive processing. Thus, Nano and Micro DNA/RNA Biosensors are a valuable alternative to conventional methods of nucleic acid analysis. Both original research and review articles on novel systems or approaches to electrochemical DNA/RNA biosensors are welcome. Potential topics include, but are not limited to:

- Innovative concepts in sensitive DNA/RNA detection;
- New materials and nanomaterials used in DNA/RNA Biosensor devices, e.g., Carbon nanotubes, graphene, nanoparticles, and other organic-based semiconductors;
- Devices and microfluidic systems, including electrochemical DNA/RNA biosensors;
- Electrochemical DNA/RNA detection analysis in situ and in vivo.

Guest Editor

Dr. Despina P. Kalogianni

Department of Chemistry, University of Patras, Rio, 26504 Patras, Greece

Deadline for manuscript submissions

closed (30 November 2024)



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/181682

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

[mdpi.com/journal/
biosensors](https://mdpi.com/journal/biosensors)





Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



[mdpi.com/journal/
biosensors](https://mdpi.com/journal/biosensors)



About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry "Ugo Schiff", University of Florence, Via della
Lastruccia 3, 50019 Sesto Fiorentino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Embase, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.6 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).