

Special Issue

Recent Advances in Biosensors for Healthcare and Biomedical Applications

Message from the Guest Editors

Biosensors are widely used for the detection, diagnosis, and treatment of diseases, health monitoring, and management. Recently, biosensors have increasingly captured attention in the fields of biomedicine and healthcare due to the great need resulting from the rapid development of big data and information communication technologies. In this Special Issue, the state of the art of biosensors will be reviewed with topics such as

- biosensor
- bioelectronics
- microfluidic chip
- lab-on-a-chip
- point-of-care testing
- plasmonic biosensors
- electrochemical biosensors
- bioMEMS
- bioCMOS
- wearable electronics

We hope that the review of recent advances of biosensors will inspire more researchers to carry out studies in the field and find new ways to apply them in the health and life sciences.
https://www.mdpi.com/journal/electronics/special_issues/TJIF59UJ1Q

Guest Editors

Prof. Dr. Xiangwei Zhao

State Key Laboratory of Bioelectronics, School of Biological Science and Medical Engineering, Southeast University, Nanjing 210096, China

Prof. Dr. Zhen Zhu

School of Integrated Circuits, Key Laboratory of MEMS of Ministry of Education, Southeast University, Wuxi 214082, China

Deadline for manuscript submissions

closed (28 February 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/si/131039](https://www.mdpi.com/si/131039)

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

[mdpi.com/journal/
electronics](https://www.mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



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



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

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).