

Topical Collection

Diagnostic Sensors

Message from the Collection Editors

Sensors are essential elements in the healthcare system, where it is necessary to report on key parameters associated with the development, progression, and treatment of specific pathologies. However, as evidenced by the current COVID-19 crisis, many advances are still necessary to meet the needs of a connected, changing, and demanding society. Sensors are now facing important challenges regarding sensitivity and selectivity, response time, simplicity, cost, portability, automation, robustness, and cost, most of them impossible to attain with current technologies and systems. This Topic Collection will highlight the most recent advances in sensor development for the next generation of diagnostic systems, including the following:

- Sensor design and fabrication protocols/technologies
- New transduction methods
- Sensors miniaturization and (bio)functionalization strategies
- Sensors integration in the following:
 - Microanalytical platforms
 - Wearables
 - Microfluidic architectures
 - Electronic components for control of measurement, signal processing, data transmission, powering, etc.

Collection Editors

Dr. Xavier Muñoz-Berbel

Dr. Michele Dei

Dr. Miguel A. Pellitero



Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



mdpi.com/si/55377

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

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





Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Andreas Kjaer

Department of Clinical Physiology, Nuclear Medicine & PET National University Hospital, Rigshospitalet, University of Copenhagen, Blegdamsvej 9, DK-2100 Copenhagen, Denmark

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).