

Special Issue

Wearable Vital Signs and Activities Detection: Systems and Applications

Message from the Guest Editors

Wearable devices for vital sign and activity detection represent a rapidly growing field with applications ranging from clinical monitoring to daily health assessment. This Special Issue invites research addressing key challenges and innovations in AI-powered wearable systems, including:

- Sensors, circuits, and systems designed for the detection of wearable vital signs and activities
- Signal processing methods specifically tailored to addressing the challenges inherent in wearable scenarios, including but not limited to motion artifacts and low signal-to-noise ratios
- Applications developed based on the wearable detection of vital signs and/or activity
- Interdisciplinary research utilizing wearable vital signs and activity detection systems

If you have a paper to submit to us, you can contact us directly. We can provide support discounts, if you need this benefit, please come to lance.cheng@mdpi.com

Guest Editors

Dr. Chenxi Yang

Dr. Huanghe Zhang

Dr. Haoyi Fan

Deadline for manuscript submissions

31 March 2026



Technologies

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 8.5



mdpi.com/si/233186

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

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





Technologies

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 8.5



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



About the Journal

Message from the Editor-in-Chief

Technologies, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

Editor-in-Chief

Prof. Dr. Manoj Gupta

Department of Mechanical Engineering, National University of
Singapore, Singapore 117576, Singapore

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, Inspec, Ei
Compendex, INSPIRE, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1
(Computer Science (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 21.8 days after
submission; acceptance to publication is undertaken in 3.9
days (median values for papers published in this journal in
the first half of 2025).