



sensors



an Open Access Journal by MDPI

Sensors in Sleep Monitoring

Guest Editor:

Dr. Jonathan Elliott

School of Medicine Research
Physiologist, VA Portland Health
Care System, Oregon Health and
Science University, Portland, OR,
USA

Deadline for manuscript
submissions:
closed (15 August 2023)

Message from the Guest Editor

Dear Colleagues,

The gold-standard assessment of sleep uses polysomnography with multiple sensors, capturing simultaneous signals to unambiguously stage sleep, identify sleep disorders, and ultimately characterize an overall sleep phenotype. However, polysomnography is not without limitations, many of which can be overcome or mitigated with wearables and other remote-based sensors that are home-based, non-intrusive, affordable, and capable of capturing continuous data across multiple nights. The importance of sleep in overall health is being increasingly recognized, reflected by the burgeoning technology sector aimed at both the consumer- and provider-level markets. This Special Issue will highlight new sleep sensors, algorithms, and other novel approaches to advancing the recording of sleep.



mdpi.com/si/111753

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)