sensors

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

Indexed in: PubMed

CITESCORE 7.3

Advances in Rehabilitative Ultrasound Imaging and Sensing

Guest Editor:

Dr. Tomasz Wolny
Musculoskeletal Elastography and Ultrasonography Laboratory, Institute of Physiotherapy and Health Sciences, The Jerzy Kukuczka Academy of Physical Education, 40-065 Katowice, Mikolowska 72B, Poland

Deadline for manuscript submissions:
closed (20 July 2023)

Message from the Guest Editor

Currently, there is a growing interest among physiotherapists regarding the use of ultrasound imaging in clinical work. The use of ultrasound imaging in physiotherapy is known as rehabilitative ultrasound imaging (RUSI). RUSI is used in physiotherapy in some ways: Diagnostic US (as an aid in the functional diagnosis of neuromuscuoskeletal disorders - point-of-care applications), Rehabilitative US (as sonofeedback to support therapeutic management), Interventional US (as percutaneous procedures like dry needling, acupuncture e.t.c.) and Reaserch US (explore muscle and soft-tissue structure and function, develop and evaluated screening tool and intervention). RUSI is widely used for the assessment and treatment of lower back pain, neck pain, rotator cuff issues, pelvic floor dysfunction, and many other conditions.

This Special Issue aims to collect original scientific articles and reviews on the latest developments regarding the use of RUSI in physiotherapy.

- rehabilitative ultrasound imaging
- RUSI
- USI
- ultrasound imaging
- shear wave elastography
- physiotherapy
- rehabilitation
- biofeedback
- sonofeedback

mdpi.com/si/132314

sensors

IMPACT FACTOR 3.4 | Indexed in: PubMed | CITESCORE 7.3

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