

Special Issue

Evaluation of the Elastic and Viscoelastic Properties of Soft Materials via Sensing Technology

Message from the Guest Editors

Identification of the viscoelastic properties of materials, including soft materials, is needed both in the laboratory and in the clinic. Various techniques, such as the indentation method, atomic force microscopy, and rheometry, are used for the identification of the elastic or viscoelastic properties of soft materials in the laboratory. Other techniques, such as magnetic resonance elastography and ultrasound elastography, are used for the in vivo evaluation of the mechanical properties of tissues. It is much more important today to develop techniques and standards to accurately determine the elastic and/or viscoelastic properties of materials. We invite researchers to submit their original research and review articles on the elastic and/or viscoelastic property evaluation of soft materials via different sensing technologies. Manuscripts on mathematical modelling and/or experimental research (in vitro, ex vivo, and in vivo) are welcome, as well as research and review articles assessing the uncertainty of the measured mechanical properties of soft materials.

Guest Editors

Dr. Hasan Koruk

National Physical Laboratory, Teddington TW11 0LW, UK

Dr. Srinath Rajagopal

National Physical Laboratory, Teddington TW11 0LW, UK

Dr. Andre Victor Alvarenga

National Physical Laboratory, Teddington TW11 0LW, UK

Deadline for manuscript submissions

closed (25 August 2025)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/194955

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

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





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



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



About the Journal

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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)