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# Instruments



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# Message from the Editor-in-Chief

The realization of dedicated instrumentation has always been a collateral aspect of experimental research. In addition, many groups dedicate efforts and resources solely to the development of new devices, sensors, equipment and large infrastructure, theoretical and numerical studies, and novel experimental methodologies. With *Instruments* we wish to address both established and emerging communities, also to favor the creation of innovative trans-disciplinary approaches. We see *Instruments* as an exciting

high-impact journal that will soon hold a leading position in disseminating cutting edge scientific and technological research.

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**Editor-in-Chief**

Prof. Dr. Antonio Ereditato

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**Associate Editor**

Prof. Dr. Pasquale Arpaia

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**Aims**

We aim to publish high-quality scientific papers presenting groundbreaking and innovative results, as well as major achievements in the field of instrumentation and in the use of the related data.

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## Scope

- Innovative design, methods, applications, metrological characterization, and theory of all aspects of advanced instruments, including sensors, transducers, signal generators, virtual instruments, and particle accelerators and detectors
- Among the main fields: instrumentation in physics, astronomy, chemistry, engineering, electronics, materials science, space science, environment, biology and medicine
- New data analysis software and approaches
- Instrumentation science: uncertainty theory and application, epistemology, measurement production modeling, and experimental identification and validation
- Advanced instrumentation in medicine: human interface, brain science, space and motion perception, human factors, vision, auditory and somatosensory, attention and performance rehabilitation, sport science

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### Thorough Peer-Review

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### Rapid Publication

A first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 5.4 days (median values for papers published in this journal in the second half of 2023)

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