

# Special Issue

## Compact Accelerators

### Message from the Guest Editors

We are pleased to announce this Special Issue devoted to the development of compact accelerators for industrial, medical, and national security applications. To provide focus to this broad area, we plan to limit this Special Issue to accelerators that have energies of a couple hundred MeV or less. We wish to solicit papers on the development of electron accelerators that would be suitable for non-destructive testing, replacements for radioactive isotopes, medical therapy, medical device and food sterilization, and coherent narrow-band X-ray generation, among other applications. We also wish to solicit papers on the development of proton and other ion accelerators that would be suitable for medical therapy and active interrogation, among other applications. Developments in increasing the wall-plug efficiency and power capabilities of compact systems, as well as advances in the autonomous control of small accelerators, are of interest.

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### Guest Editors

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### Deadline for manuscript submissions

30 June 2026



## Instruments

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## About the Journal

### 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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