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Physics Open

journal homepage: www.journals.elsevier.com/physics-open

Welcome to Physics Open

Over the past decade, open availability of scientific information via the Internet has prompted many changes in the landscape of scientific publishing. Increasingly encouraged (and even mandated) by science-funding agencies and organizations to publish only in Open Access (OA) journals, more authors are taking advantage of broad dissemination of high-quality research to a global audience and thereby foster collaborations and further science advances. The wide availability of broadband access together with expanding demand for OA venues of publication inspired Elsevier Physics to offer a new journal, *Physics Open* to meet the evolving needs of our authors and readers.

Physics Open, an online-only, gold OA journal will publish full research articles, letters, and review papers in all areas of physics and related interdisciplinary areas, both fundamental as well as applied. With such a broad scientific coverage, it is critical that the editorial tasks be handled by an equally broad team of experienced editors. To this end, the Board of Editors is assembled of roughly 40 editors from the Elsevier's suite of subscription physics journals (<https://www.elsevier.com/physical-sciences-and-engineering/physics-and-astronomy/journals/physics-open>). The Board is led by two Editors-in-Chief with the assistance of a managing editor who can direct submitted papers to the appropriate subject-matter expert. The entire Board is committed to extending the high standards of excellence of the subscription partner journals to their new OA counterpart and to do so efficiently and effectively.

Publishing in *Physics Open* allows authors to comply with any gold OA requirements, while profiting from the knowledge of experienced Editors and their associated journals at the same time. While accepting direct submissions, *Physics Open* also allows for transfers of manuscripts from Elsevier's partner subscription journals. Importantly, publishing in the partner subscription journals remains a viable option for those unable to pay the *Physics Open*'s Article Processing Charge (APC; see below).

Physics Open offers:

- Support from a wide range of established Elsevier physics journals
- A fair, rigorous, and efficient peer review process
- Prominent peer review recognition
- Rapid publication with fully citable DOIs issued promptly after acceptance
- No page length limitations
- Full range of associated on-line supplementary material
- High visibility and individual article promotion

In addition, papers transferred from a subscription physics journal will be featured on that journal's website in addition to the official

publication in *Physics Open*.

Physics Open covers a wide range of physics, including interdisciplinary and newly emerging areas. The appropriate subject categories are listed below, but this list is by no means exhaustive:

- Accelerators, detectors and instrumentation
- Acoustics
- Atomic, molecular and chemical physics
- Biological Physics
- Classical and quantum mechanics
- Computational physics
- Condensed matter physics and material sciences
- Fluids and plasmas
- Interactions of laser and particle beams with matter
- Lasers, optics and photonics
- Mathematical physics
- Nanoscience and nanotechnology
- Neutron and Synchrotron-radiation science
- Nonlinear science
- Nuclear and high energy physics

We will cover all aspects concerning major research infrastructures relevant to our areas of coverage.

The journal will also consider review papers by prior invitation from the Board of Editors. Authors may suggest potential review papers to the Editors-in-Chief. We will then poll the members of the Editorial Board.

All submitted research manuscripts and reviews will be fully peer-reviewed. After acceptance, the APC is charged to cover all editorial, production, and archiving costs. All accepted and published papers are freely accessible to anyone.

For our inaugural years, the APC is reduced to be highly competitive with other broad coverage physics journals offered by other publishers. Special rates are available to authors from developing countries as part of the Research4Life program (<https://www.research4life.org>). The Elsevier online author communication system will automatically notify the authors whether they are eligible for a complete waiver or a 50% reduction of the APC (visit <https://www.research4life.org/access/eligibility> for eligibility criteria).

We are looking forward to receiving your high-quality contributions and review-paper proposals. Your comments and suggestions can be emailed at any time to physo@elsevier.com and will be highly appreciated.

<https://doi.org/10.1016/j.physo.2019.100005>

Available online 1 October 2019

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