

EDITORIAL • OPEN ACCESS

## Welcome to JPhys Energy

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## EDITORIAL

## Welcome to JPhys Energy

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**Abstract**

*JPhys Energy* is an innovative new open access journal that aims to set the agenda in identifying and publishing the most impactful work in emerging and cutting-edge areas of energy-related research. An interdisciplinary journal, *JPhys Energy* welcomes submissions from physics, chemistry, engineering and related fields, and aims to facilitate the flow of knowledge between and beyond these communities.



On behalf of the [Senior Advisory Panel](#), [Editorial Board](#) and IOP Publishing, I am delighted to announce the opening of *JPhys Energy*, a new open access journal reporting high-quality, significant, and original research across all areas of energy research.

There is little doubt that energy is one of the most pressing issues for governments, businesses and society throughout the world. Global warming and the finite nature of fossil fuels conspire to present a great threat to humankind in the 21st Century. The World Energy Council succinctly summed up the challenges in terms of the ‘Energy Trilemma’, which illustrates the tension between the demands of the economy, the environment and society. If we are to maintain our technological society and leave a planet fit for future generations, we must develop fundamentally different ways of generating, storing and transmitting energy. Not only is this a great challenge for society, it also represents a tremendous opportunity for science and technology. Meeting this challenge will require innovative new approaches and careful nurturing of the translation of this research.

It is critical to foster high-quality research concerning energy; delivering robust science, bringing new concepts forward and promoting collaboration across disciplines. This can be enabled through open dissemination of high-quality scientific dialogue. *JPhys Energy* is an innovative new open access journal that aims to set the agenda in identifying and publishing the most impactful work in emerging and cutting-edge areas of energy-related research. An interdisciplinary journal, *JPhys Energy* welcomes submissions from physics, chemistry, engineering and related fields, and aims to facilitate the flow of knowledge between and beyond these communities.

You can view our full aims and scope [here](#). As a fully open access journal, all papers are published under a CC-BY licence, which means that they can be accessed and shared by anyone without restriction as soon as they are published. We are also adopting and advocating open science principles—encouraging authors to include, or link to, datasets and code underlying their work—to foster greater transparency and reproducibility of results.

Initially, *JPhys Energy* welcomes submissions of the following article types:

- Research papers: articles reporting new research.
- Topical reviews: articles presenting a snapshot of recent progress in a particular field.
- Letters: short research articles that report new research.
- Technical notes: brief, methods-based articles of a more technical nature, which make a useful and novel addition to the literature.
- Perspectives: commentaries on the impact of previously published work that is of notable interest to the community.

We hope you enjoy the papers included in our first issue and look forward to receiving your submissions to this new and timely journal, which promises to play an instrumental role in disseminating leading research that will shape the future of our planet.

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