

Editorial

Advancing Research and Innovation in New Energy Technologies

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The international journal of New Energy Exploitation and Application, launched in 2022, has developed into a forum for disseminating high-quality research and practical knowledge in the rapidly evolving field of new energy. Since its establishment, the journal has continued to expand its scope, strengthen its scholarly standards, and foster meaningful engagement among researchers and practitioners across the field.

The journal publishes innovative research, applied studies, and informed perspectives spanning emerging energy technologies, sustainable energy systems, energy efficiency, and the responsible utilisation of renewable and alternative energy resources.

The global transition towards a low-carbon, secure, and resilient energy future is one of the defining challenges of our time. Addressing this challenge requires not only technological innovation but also interdisciplinary collaboration, informed policy development, effective resource management, and the translation of scientific knowledge into practical applications. Advances in areas such as renewable energy generation, energy storage, smart grids, hydrogen technologies, energy conversion, sustainable transportation, and energy management are creating new opportunities while also introducing complex technical, economic, environmental, and social challenges.

The international journal of New Energy Exploitation and Application is committed to providing a platform for researchers, engineers, industry professionals, policymakers, and other stakeholders to exchange knowledge and engage in constructive academic dialogue. The research published in the journal addresses current developments, challenges, and opportunities across the field of new energy. This breadth reflects the importance of research that is both scientifically rigorous and responsive to real-world energy needs.

Through original research articles, review papers, technical studies, and other scholarly contributions, the journal seeks to advance understanding of emerging energy systems and their practical applications. Emphasis is given to research that drives improved energy efficiency, reduced environmental impacts, enhanced system reliability, greater energy access, and the sustainable development of communities and economies.

We are deeply grateful to all authors for sharing their research and insights with the global energy community. Our sincere appreciation also goes to the reviewers, editorial board members, and editorial team for their time, expertise, and unwavering dedication to maintaining the journal's high scholarly standards. Their contributions are vital to our rigorous peer-review and publication process.

We thank our readers for their ongoing interest and support. We hope the research published in this journal will inform current practice, encourage cross-disciplinary collaboration, and inspire new ideas. Ultimately, we trust

that the journal will continue to stimulate innovative solutions and meaningful dialogue among all those working towards a sustainable, reliable, and inclusive energy future.



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