

INTERNATIONAL JOURNAL OF ENERGY HORIZON (IJEH)

About

The International Journal of Energy Horizon is a peer-reviewed international journal encompassing all facets of energy studies. The scope includes renewable energies such as solar, wind, biomass, hydro, combustion and fuels, heating, ventilation, and air-conditioning systems. The journal also addresses topics like fuel cells, nuclear technologies, and electrical machines. Additionally, studies focused on energy efficiency across all systems are also welcome.

The International Journal of Energy Horizon (IJEH) is a peer-reviewed journal that does not impose submission fees. Manuscripts are assessed by at least two independent reviewers, and all submissions must be in **English**.

Aim and Scope

The International Journal of Energy Horizon (IJEH) is a platform that advances scholarly research and fosters informed energy discussion. The main goal is to significantly contribute to the global discourse on energy by publishing high-quality, original research articles, reviews, and perspectives that explore emerging trends, address critical challenges, and propose innovative solutions across all facets of energy science, technology, policy, and sustainability. Ultimately, we aim to inspire and motivate our readers in these endeavors.

The International Journal of Energy Horizon typically focuses on a wide range of energy research, technology, and policy topics. IJEH seeks to publish high-quality and innovative research and review papers. This journal encompasses a wide range of energy systems and their applications. Submissions can include experimental, numerical, theoretical studies, or a combination of these approaches.

Key Objectives:

- 1. **Knowledge Advancement**: To advance the frontiers of knowledge by publishing rigorous and impactful research that enhances understanding of energy systems, technologies, and their implications.
- 2. **Policy and Practice Impact**: To bridge the gap between theory and practice by encouraging contributions that examine real-world applications, policy implications, and societal impacts of energy-related research.
- 3. **Interdisciplinary Exploration**: To promote interdisciplinary collaboration and encourage diverse methodologies in energy research, fostering innovative approaches to addressing complex energy challenges.
- 4. **Global Perspective**: To provide a global platform that welcomes contributions from researchers, practitioners, and policymakers worldwide, facilitating an inclusive dialogue on energy issues.

The International Journal of Energy Horizon covers a comprehensive range of topics within the field of energy, including but not limited to:

Core Areas of Focus:

1. Renewable Energy Technologies:

- Solar, wind, hydroelectric, geothermal, biomass, hydrogen, and fuel cell technologies
- Integration of renewable energy sources into existing grids
- Technological advancements and innovations in renewable energy generation and storage

2. Energy Storage and Distribution:

- Energy storage technologies (e.g., batteries, hydrogen storage, pumped hydro, thermal storage)
- Smart grid technologies and energy distribution systems
- Energy efficiency improvements in distribution networks

3. Hydrogen Technology:

- Hydrogen production methods (e.g., electrolysis, steam methane reforming, biomass gasification)
- Hydrogen storage and transportation technologies
- Applications of hydrogen in energy systems (e.g., fuel cells, hydrogen as a feedstock)

4. Battery Technology:

- Advanced battery chemistries (e.g., lithium-ion, solid-state batteries, flow batteries)
- Battery management systems and optimization strategies
- Applications of batteries in energy storage, electric vehicles, and grid integration

5. Energy Economics and Policy:

- Economic analysis of energy markets and pricing mechanisms
- Policy frameworks and regulatory mechanisms influencing energy transitions
- Economic impacts of renewable energy adoption and energy efficiency measures

6. Sustainability and Environmental Impacts:

- Environmental assessment and mitigation strategies related to energy production and consumption
- Life cycle assessment of energy technologies
- Climate change mitigation through sustainable energy practices

7. Energy Efficiency and Demand-side Management:

- Energy-efficient technologies and practices in buildings, transportation, and industry
- Demand-side management strategies and behavioral aspects influencing energy consumption

8. Emerging Technologies and Innovations:

- Emerging energy technologies (e.g., smart cities, Internet of Things applications in energy)
- \circ Technological innovations driving energy sector transformations

9. Materials for Energy Applications:

• Material synthesis methods for energy applications (e.g., top-down, bottom-up, vacuum, or non-vacuum)

- Material characterizations for energy applications (e.g., physical, chemical, electrochemical)
- Material performance analyses for energy applications (e.g., efficiency, stability)

10. Thermodynamics:

- o Thermodynamic Systems Modeling and Simulation
- o Energy and Exergy Analysis of Systems
- Thermoeconomics Analysis
- Combustion
- Aerodynamics

Article Types Accepted:

- ➤ Original Research Articles
- ➤ Short Communications
- ➤ Mini-Reviews

Audience:

The journal appeals to a diverse audience, including researchers, academics, practitioners, policymakers, and students interested in advancing knowledge and understanding of energy-related issues. The journal aims to facilitate collaborations and dialogue that contribute to sustainable energy transitions globally by providing a multidisciplinary forum for scholarly exchange.

Methodological Approach:

The journal welcomes contributions that employ diverse methodologies, including experimental, theoretical, computational, and interdisciplinary approaches. Authors are encouraged to present robust methodologies and clear empirical evidence to support their findings, ensuring a rigorous and credible contribution to the field of energy research.

Additional Considerations:

- **Interdisciplinary Collaboration**: The journal encourages interdisciplinary research collaborations integrating perspectives from engineering, economics, environmental science, policy studies, and social sciences to address complex energy challenges.
- **Global Reach**: We welcome submissions from researchers worldwide, ensuring a global perspective and enriching the diversity of insights and solutions presented in the journal.
- **Policy Relevance**: Contributions exploring the practical implications of research findings on energy policy, regulation, and governance are encouraged. The journal aims to foster discussions that inform evidence-based policymaking and contribute to sustainable energy transitions locally, nationally, and globally.

Writing Rules for Authors:

1. Originality and Novelty:

- **Original Research**: Submissions must present original research that significantly advances knowledge within the energy field. The journal prioritizes contributions that introduce new concepts, methodologies, or applications.
- **Novelty**: Clearly articulate the novelty and innovative aspects of the research. Highlight how the study expands upon existing knowledge or fills gaps in current literature.

2. Clarity and Precision:

- **Clear Communication**: Write in clear, concise, and precise language to facilitate understanding by a broad audience, including non-specialists and interdisciplinary readers.
- **Technical Terms**: Define technical terms and concepts appropriately. Provide sufficient background information to ensure clarity without overwhelming readers with unnecessary detail.

3. Structure and Organization:

- **Logical Flow**: Follow a clear and logical structure: Introduction, Methods, Results, Discussion, and Conclusion. Each section should flow logically to guide readers through the research process and findings.
- **Emphasis on Findings**: Present findings and their significance in the Results and Discussion sections. Discuss the implications and potential applications of the findings.

4. Methodological Rigor:

- **Detailed Methods**: Describe methodologies, experimental designs, or theoretical frameworks comprehensively. Provide step-by-step explanations to ensure transparency and reproducibility of results.
- **Statistical Analysis**: Where applicable, include detailed statistical analyses and methodologies to support the validity and reliability of findings.

5. Evidence and Data:

- **Supporting Evidence**: Provide robust empirical evidence, data, or theoretical analysis to support arguments, conclusions, and hypotheses.
- **Data Accuracy**: Specify data sources, collection methods, and any limitations in data interpretation.

6. References and Citations:

- **Relevant Literature**: Cite relevant and recent literature to situate the research within the broader scholarly context. Acknowledge foundational works and recent advancements.
- **Consistent Style**: Follow a consistent citation style (APA) per journal guidelines. Ensure accuracy and completeness of reference lists.

7. Figures and Tables:

- **Visual Aids**: Where appropriate, include figures, tables, graphs, and other visual aids to enhance clarity and understanding of complex data or concepts.
- **Descriptive Captions**: Ensure all figures and tables are numbered consecutively and include descriptive captions that explain their relevance to the text.

8. Language and Style:

- **Clear Writing**: Write in clear, grammatically correct English. Avoid unnecessary jargon, acronyms, or overly complex language that may hinder comprehension.
- **Conciseness**: Be concise while providing sufficient detail to support arguments and interpretations. Edit for clarity and coherence.

9. Ethical Considerations:

- **Research Ethics**: Adhere to ethical guidelines in research conduct, including avoiding plagiarism, falsification, or data fabrication.
- **Conflict of Interest**: To ensure transparency, disclose any conflicts of interest, financial disclosures, funding sources, and ethical approvals or permissions as applicable.

10. Submission Requirements:

- **Manuscript Format**: Follow journal submission guidelines regarding manuscript length, formatting (font size, margins, line spacing), and file format (e.g., Word, PDF).
- **Components**: As per journal requirements, include all necessary components, such as an abstract, keywords, author information, and affiliations.

11. Review and Revision:

- Addressing Feedback: Address peer reviewer and editor feedback constructively and thoroughly during the revision process.
- **Revision Tracking**: Clearly indicate revisions made in response to reviewer comments in the revised manuscript, including specific changes made.

12. Conformity to Journal Scope:

- Alignment with Scope: Ensure the manuscript aligns with the scope and aims of the International Journal of Energy Horizon. Clearly articulate how research contributes to advancing knowledge and understanding within the energy field.
- **Scope Expansion**: If the manuscript covers interdisciplinary aspects, clearly justify its relevance to energy studies and how it integrates with broader energy-related topics.

13. Publication Procedure:

- **Plagiarism and AI Checking**: All manuscripts submitted to IJEH undergo plagiarism checks using software to determine the similarity rate. The journal has a strict policy of rejecting articles with a rate higher than 20% similarity.
- **Open Access Policy**: IJEH operates as a fully open-access journal. This means that all articles published in the journal are immediately available to the public without any barriers and are published under an open-access license. The journal does not charge authors any fees for making their articles open-access.

university, college, or other research institution, submit the name of the institute or organization that provided the funding.

• **Publishing Fee:** International Journal of Energy Horizon assesses no submission fees, publication fees, or page charges.

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