Special Issue

Clean Energy Technologies for Climate Change Mitigation

Message from the Guest Editors

This Special Issue seeks to highlight scalable solutions from community-led microgrids to national electrification and provide evidence-based recommendations for accelerating the global shift to climate-compatible energy systems. We accept articles within the scope, but not limited to, electrification of transport and cooking, urban EV adoption challenges and solutions, grid impact of large scale EV integration, the integration of renewable energy and storage technologies, the design and deployment of solar home systems and mini-grids, community-based energy models and local ownership structures, hybrid systems combining solar, wind, hydro, and storage in remote areas, potential of the reliability and resilience of off-grid systems during climate extremes, etc. All submitted articles should explicitly address the climate change mitigation and/or adaptation potential of the proposed clean energy solutions, emphasising their role in promoting sustainable, low-carbon, and inclusive development.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Climate (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

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