

Special Issue

Novel Approaches for Sustainable Energy System Assessment

Message from the Guest Editors

This Special Issue seeks to highlight innovative research and applied studies that advance the understanding and assessment of sustainable energy systems through novel and interdisciplinary modelling approaches. We particularly welcome contributions focused on developing regions, social inclusion, and methodological integration. Case studies, comparative analyses, and methodological contributions that bridge the gap between modelling and implementation are particularly encouraged to be submitted to this Special Issue.

In this Special Issue, original research articles and reviews are welcome to be submitted. Research areas may include, but are not limited to, the following:

- System dynamics and agent-based and hybrid modelling in energy systems;
- Machine learning and AI applications in renewable energy forecasting and planning;
- Cross-sectoral models linking energy, water, food, and climate systems;
- Tools and metrics for evaluating energy justice and distributional impacts;
- Modelling behavioural responses to clean energy interventions.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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