

Special Issue

Analyzing Development Paths of Emerging Energy Technologies

Message from the Guest Editors

Assumptions on the development of technologies and their system integration are essential for the assessment of future options and paths for sustainable energy systems. With the help of techno-economic scenarios, detailed technology-related knowledge and projections of the energy economic boundary conditions are integrated. However, further knowledge is relevant to achieve a comprehensive and robust evaluation of future options and scenarios. Social factors and environmental effects play an important role; the life cycles of the technologies have to be considered and macroeconomic effects and actor-related investment incentives have to be taken into account. In this context, the Special Issue offers contributions that advance the assessment of key technologies for a sustainable energy supply, taking into account their system integration and expected path development. The focus is on emerging and innovative technologies for the generation, conversion and storage of electricity, heat and fuels. Different sustainability aspects and prospective assessment methods may be addressed.

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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