



Macroeconomic Implications of Energy Security and Environmental Sustainability

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More information

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Submission instructions: Manuscripts are expected to be submitted in English language by reviewing system accessed via Politická ekonomie – Political economy webpage: https://polek.vse.cz/.

Scope of the special issue:

The main task of the special issue is to find solutions that integrate energy security with economic and environmental sustainability. The primary focus is to illuminate strategies that promote energy system resilience in the face of uncertainties, while simultaneously driving environmental protection and economic growth. We aim to foster a multidisciplinary discourse, drawing insights from energy science, systems engineering, ecological economics, behavioral studies, public policy, and emerging technologies. The purpose is to chart a new course towards achieving not only economically sustainable but also adaptive and equitable energy systems.

We invite contributions addressing (but not limited to) the following topics:

- The economics of transitioning to renewables during energy crises
- Carbon neutrality and energy security
- Energy security nexus and its impacts on the global economy
- Energy market volatility and its economic consequences for developing economies
- Green innovation as a solution to energy dependence and climate change
- Economic resilience of nations to energy shocks
- The economic trade-offs of short-term energy strategies versus long-term sustainability
- Financial mechanisms for supporting energy security and environmental reforms
- Environmental degradation and economic costs linked to energy crises
- Integration of renewable energy technologies in energy security strategies
- Economic modeling of sustainable energy transitions
- Circular economy approaches in the energy sector
- Innovations in energy storage and grid resilience

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