Special Issue

Insights On and Challenges in Energy Transition During Post-COVID-19 Economic Recovery: Energy Cost, Security, Wellbeing, and Other Second-Round Effects

Message from the Guest Editors

Energy sources are crucial for economic and environmental management, especially in the context of post-COVID-19 recovery, geopolitical conflicts, and natural disasters. These factors contribute to economic instability, leading to energy shortages and price volatility. Disruptions in energy supplies due to conflicts further challenge the energy transition. While transitioning to clean and sustainable energy is essential for achieving the 2030 SDGs and COP27 commitments, rising costs from inflation and reduced purchasing power hinder this progress. Investments in green technologies often crowd out necessary funding for reviving traditional industries post-COVID. Countries must allocate more resources to diversify their energy mixes to avoid negative outcomes like energy shortages and high prices. Increased public debt from fiscal expansions to support energy programs can also adversely impact businesses and families. To navigate these challenges, we need a deeper understanding of the post-COVID energy landscape. Further research is vital for ensuring a sustainable energy transition that prioritizes energy security, enhances well-being, and minimizes costs.

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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