

Special Issue

Sustainable Energy Trade and Environmental Performance: Technological Innovations and Human Responses

Message from the Guest Editors

As the global community increases efforts to meet climate goals and transition toward low-carbon economies, the sustainable energy trade has emerged as a key mechanism of aligning economic growth with environmental responsibility. However, beyond technological advancement, the success of these transitions depends heavily on human behavior, perception, and psychological adaptation to climate change. This Special Issue explores the intersection of smart technologies like artificial intelligence with the cognitive and social dimensions of sustainability. We welcome contributions that investigate how digital tools, policy frameworks, and innovative energy trade models influence environmental performance, while also addressing psychological and behavioral responses to climate-related risks and transitions. Research focused on the human factors driving energy decisions, climate anxiety, sustainability awareness, and behavioral interventions is particularly encouraged, alongside studies of AI-driven optimization, smart energy systems, and carbon accounting innovations.

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Message from the Editor-in-Chief

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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