

Special Issue

Advanced Technologies for Sustainable and Low-Carbon Energy Solutions

Message from the Guest Editors

The transition toward a sustainable and low-carbon energy future is vital to addressing climate change and environmental challenges. This Special Issue aims to explore cutting-edge technological innovations and strategies that are reshaping the global energy landscape while promoting environmental sustainability. This Special Issue focuses on interdisciplinary research that bridges the gap between theoretical advances and practical applications in sustainable energy technologies. This collection of research papers will provide valuable insights into technological breakthroughs, implementation strategies, and policy recommendations that can accelerate the transition to a low-carbon future. By bringing together diverse perspectives from researchers, engineers, policymakers, and industry experts, this Special Issue aims to contribute to the growing body of knowledge on sustainable energy solutions and their role in achieving global climate goals. The featured research will not only advance our understanding of cutting-edge technologies, but also provide practical insights for stakeholders working toward a more sustainable and resilient energy future.

Guest Editors

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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