

Special Issue

Sustainable Green Technologies: Current Trends, Applications, and Future Challenges

Message from the Guest Editors

This Special Issue, “Sustainable Green Technologies: Current Trends, Applications, and Future Challenges”, seeks to capture the dynamic landscape of sustainable technologies shaping the future. The main focus will be on the evolving landscape of sustainable green technologies, with an emphasis on understanding current trends, exploring practical applications, and identifying the future challenges these technologies face. It includes the following topics: (1) Innovations in renewable energy and energy efficiency. (2) The development of smart, sustainable urban infrastructure. (3) Applications of AI and IoT in driving sustainability. (4) Mathematical modeling in optimizing renewable energy systems. (5) Educational strategies for fostering a sustainability-oriented mindset. (6) Economic analyses of green energy transitions. (7) Forward-looking discussions on the challenges and obstacles to sustainable technology implementation. Overall, this Special Issue will not only expand on the existing body of knowledge but also provide actionable insights and interdisciplinary perspectives that are crucial for the advancement of sustainable green technologies.

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. *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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

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