

Special Issue

Pathways to Carbon Neutrality: Circular Economy and Sustainable Innovation for Green Industry

Message from the Guest Editors

This Special Issue aims to create a global platform for interdisciplinary research and practical insights into how industries can transition toward low-carbon, circular, and sustainable models. We propose a more holistic and systemic approach that links circular economy frameworks, carbon management tools, digital technologies, and green industrial practices under the umbrella of sustainable development. We welcome research articles and review papers with the following topics:

- Circular economy design and policy instruments for industry;
- Carbon footprint assessment, reduction strategies, and offsetting mechanisms;
- Nature-based solutions and ecosystem services for climate mitigation;
- Applications of AI, IoT, and digital twins in resource optimization;
- Green technologies for manufacturing, construction, and supply chains;
- Industrial symbiosis, cleaner production, and zero-emission strategies;
- Corporate sustainability reporting, ESG, and regulatory compliance;
- Innovations in energy efficiency and renewable integration for carbon reduction;
- Climate-smart business models and pathways for just industrial transition.

Guest Editors

Prof. Dr. Yao-Ming Hong

College of Environmental Studies, National Dong Hwa University,
Hualien 974301, Taiwan

Prof. Dr. Bo-Ching Chen

Department of Computer Science and Information Engineering,
Nanhua University, Chiayi 62249, Taiwan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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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

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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