

Special Issue

Pollution Reduction and Green Low-Carbon Transformation of Industrial System

Message from the Guest Editor

The transition of industrial systems toward reduced pollution and low-carbon transformation techniques is a crucial step in achieving global sustainability goals. Industrial activities remain one of the largest sources of greenhouse gas emissions and environmental pollution, necessitating systemic changes in production processes, resource management, and energy consumption. As governments and industries worldwide strive to meet carbon neutrality targets, innovative strategies and interdisciplinary approaches are essential for ensuring that economic development aligns with environmental sustainability. The scope of this Special Issue includes research on advanced emission control technologies, circular economy strategies, low-carbon manufacturing, and policy frameworks for industrial sustainability. We seek to provide a platform for studies that integrate scientific, economic, and policy perspectives to support the transition towards low-carbon and environmentally responsible industrial systems. By incorporating perspectives from environmental science, economics, engineering, and policy studies, it offers an interdisciplinary outlook on sustainable industrial transformation.

Guest Editor

Prof. Dr. Yi Yang

Key Laboratory of the Three Gorges Reservoir Region's Eco-Environment, Ministry of Education, Chongqing University, Chongqing 400045, China

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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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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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