# **Special Issue**

# Advanced Renewable Energy Supply and Sustainability Transitions: System Performance, Industrial Integration, and Risk-Aware Assessment

### Message from the Guest Editor

The shift to renewable energy systems is fundamental to sustainable development and the mitigation of climate change. Despite the rapid advancement of technological innovation in renewable energy, there is an increasing necessity to assess system-level performance, sustainability, and integration, rather than concentrating exclusively on the design of new technologies. This Special Issue examines the necessity of renewable energy supply and transition strategies, focusing on efficiency, system assessment, industrial applications, and risk-aware decision-making. This Special Issue aims to examine the effective deployment and assessment of renewable energy systems, energy storage technologies, and energy efficiency measures in facilitating sustainable transitions. The scope encompasses methodologies and applications related to sustainability assessment, life cycle thinking, technoeconomic feasibility analysis, sustainable logistics and supply chain management, industrial symbiosis, and circular economy strategies.

### **Guest Editor**

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### Deadline for manuscript submissions

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### Editor-in-Chief

Prof. Dr. Steve W. Lyon

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