



*sustainability*



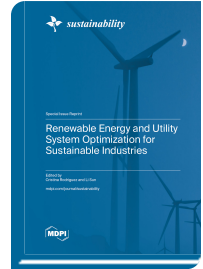
*Special Issue Reprint*

## **Renewable Energy and Utility System Optimization for Sustainable Industries**

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This Special Issue is a collection of cutting-edge research addressing the integration of renewable energy into industrial systems. This reprint brings together innovative studies and real-world applications focused on improving energy efficiency, reducing carbon emissions, and optimizing utility systems in industrial settings. Topics include renewable energy integration, energy storage, smart grids, demand-side management, biorefineries, biofuels, and sustainable industrial practices. With contributions from international experts, the Issue highlights both theoretical advancements and practical solutions that support the transition toward greener, smarter, and more resilient industrial infrastructures. Whether you are a researcher, engineer, policymaker, or sustainability professional, this Special Issue offers valuable insights into how industries can lead in the global energy transition.



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