

## Special Issue

# Process Safety and Control Strategies for Urban Clean Energy Systems

### Message from the Guest Editors

Topics include, but are not limited to, the following:

- Research on fires, explosions, or toxic release scenarios involving urban renewables or storage (e.g., battery thermal runaway or hydrogen leaks).
- Risk assessment frameworks and models for integrating diverse clean energy sources within complex city grids and existing infrastructure.
- The development and application of computational tools for safety monitoring, early warning systems, and emergency response planning for urban energy networks.
- Life cycle safety analysis (LCSA) or environmental risk assessment (ERA) specific to clean energy technologies in urban settings.
- The safety implications and modeling of cyber-physical security for smart city energy systems.
- Reliability modeling and failure prediction for clean energy components deployed in diverse urban environments.
- Safety optimization in the design, planning, and operation of city-scale clean energy systems.

Thanks for your contributions, and I hope you consider participating in this timely Special Issue.

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### Guest Editors

Dr. Zhilei Wang  
Dr. Qingxin Ba  
Dr. Congliang Ye

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### Deadline for manuscript submissions

28 August 2026



## Sustainability

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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.

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## Editor-in-Chief

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