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# Advances in Waste-to-Energy Systems for Decarbonization

Guest Editors:

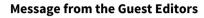
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Deadline for manuscript submissions: **31 July 2024** 



Dear Colleagues,

Decarbonization has become a worldwide trend, especially ever since the main economies declared their ambitious strategies towards a carbon-neutral society by 2050. The energy sector is key to achieving this goal. Waste-toenergy(WTE) technologies offer an opportunity for synergy between waste disposal reduction and the energy sector's transition. Therefore, tracking the latest progress in WTE technology development and summarizing the results of recent research has become even more important. This Special Issue aims to:

- Identify the opportunities and challenges related to WTE systems in concepts such as circular economy, eco-industrial park, zerowaste city and carbon-neutral society;
- Track recent progress in related technology development such as smart sorting systems, waste-to-fuel, power generation and waste heat utilization;
- 3. Optimize system design, embedding WTE technologies or technology combination in industrial parks or cities;
- Evaluate the performance of WTE systems from a life cycle perspective, cost-benefit judgement, ecological footprint, social impact assessment.

Dr. Yi Dou Dr. Ruixi Zhao *Guest Editors* 









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# **Editor-in-Chief**

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