Special Issue

Waste Heat Recovery and Utilization

Message from the Guest Editor

Waste heat utilization is critical for the efficient usage of energy, including waste heat-driven heating, cooling, power generation, dehumidification, desalination technologies, etc. This research topic will aim at problems of low adsorption capacity of adsorbents, the poor performance of heat and mass transfer, and low system performance problems. The recent advances include advanced adsorbents. We also welcome novel applications, such as water harvesting, deep dehumidification, carbon capture, and utilization. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: The specific themes may include: (1) Novel adsorbents: such as the MOFs, compound adsorbents, heat and mass transfer improvement of adsorbents, etc. (2) New cycles: such as the new cycle of sorption cooling, heating, energy storage, desalination, power generation, etc. (3) New applications: such as sorption technologies for carbon capture, hydrogen storage, and production, water harvester, cooling, heat pump, etc. I look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2023)

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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. *Sustainability* publishes original research articles, review 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

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