

# Special Issue

## New Technologies for Waste Heat Recovery

### Message from the Guest Editors

A large amount of heat waste is produced from industries due to fossil fuels consumption. Discharging waste heat directly into the environment can result in energy and pollution problems. Waste heat recovery (WHR) is an effective and cost-effective technology used to convert the efficiency of all types of energy and eliminate the adverse impacts of waste heat emission.

This Special Issue aims to introduce technologies with high efficiency and low emission and cost. Topics include but are not limited to:

- New, innovative WHR technologies and corresponding principles;
- On-design, off-design performance investigations and optimization of the WHR technologies in different fields, including industry and life occasions, such as building, power generation, desalination, etc.;
- Environmental and economical evaluation of WHR technologies;
- New application schemes of WHR technologies;
- Energy conversion and heat and mass transfer in WHR technologies;
- Design and optimization of the core devices in WHR applications;
- Evaluating and improving the reliability and resiliency of WHR technologies;
- Control strategy and algorithm for WHR technologies.

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### Guest Editors

Dr. Weifeng He

Prof. Dr. Majid Amidpour

Prof. Dr. Jiangfeng Wang

Dr. Zhixin Sun

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### Deadline for manuscript submissions

closed (31 March 2023)



## Sustainability

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## Editor-in-Chief

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