

## Special Issue

# Thermal Performance Improvement of Solar Air Heater

### Message from the Guest Editors

Renewable energy plays an important role in the current continuous increasing energy demand and in attempts to mitigate issues around the many emissions and greenhouse problems. Solar energy utilization is a basic weapon for facing energy problems, giving efficient, clean, and financially viable solutions. For its sustainable development, there is a need to overcome a few technical obstacles. Therefore, this Special Issue aims to encourage researchers to share recent advances in the development and application of solar air heaters using experimental and computational techniques. Both experimental and numerical studies, cross-disciplinary research and development studies are welcomed.

solar air heater  
solar dryer  
CFD analysis  
heat transfer augmentation  
thermal entry length concepts  
turbulence modeling  
vortex generators  
laminar and transitional flow  
ANN and machine learning techniques  
optimization

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2022)



## Sustainability

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### Editor-in-Chief

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