



Advances in Dew Point Evaporative Cooling Techniques

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Message from the Guest Editors

This Special Issue aims to facilitate a multidisciplinary platform for worldwide scientific and industrial communities to discuss existing research achievements, challenges and opportunities of dew-point evaporative cooling and other novel energy-efficient cooling technologies. Insightful ideas and findings on relevant cooling technologies with regard to design, optimization, fluid flow, thermodynamics, multiphysics and data-driven modelling, life-cycle analysis, etc. are strongly encouraged to advance the development and increase public awareness.

This Special Issue welcomes contributions from all relevant research work, and welcomes research topics including (but not limited to) the following:

- Evaporative cooling technologies and applications;
- Materials for cooling devices;
- Sustainable cooling systems;
- Cooling for thermal management;
- Heating, ventilation and air conditioning;
- Multiscale and multiphysics modelling and simulations;
- System control and optimization;
- Techno-economic analysis.





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Message from the Editor-in-Chief

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