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New Horizons for Low-Temperature Engineering: From Refrigeration to Cryogenics

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Message from the Guest Editor

The field of research and application associated with low temperatures is continuously growing and expanding. Low-temperature systems are applied almost everywhere: in air conditioning, food, beverage and pharmaceutical industries; biotechnical applications; machinery; civil and chemical engineering; liquefaction of gases; CO₂ capture and storage as well as air liquefaction and separation (cryogenics); and innovative technologies on low-temperature and cryogenic energy storage as well as multigeneration systems. Such progress and development must be efficient and sustainable. The idea of this Special Issue is to present a collection of papers that describe the state-of-the-art in the field of application, research, and development of low-temperature systems, including their evaluation using methods of modern thermodynamics, heat transfer, and fluid dynamics as well as economic and environmental assessments and different methods of optimization.



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Special Issue



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Message from the Editor-in-Chief

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