Special Issue

Supercritical Fluids for Thermal Energy Applications

Message from the Guest Editors

Worldwide energy demand increase is a clear indicator of human and wealth development as we, as a modern society, require higher levels of energy to maintain our living standards. Nevertheless, a change in electricity and heat generation is required, including more efficient energy conversion systems. In order to achieve that, supercritical fluids have drawn the attention of the scientific community based on their peculiar thermophysical properties leading to highly efficient solutions according to thermodynamics. This Special Issue seeks to capture the latest research in supercritical fluids for thermal energy applications whether for renewable applications, nuclear engineering, waste heat recovery, and much more, with a clear interest in entropy analysis and thermodynamics optimization.

Guest Editors

Dr. Miguel Angel Reyes

Dr. María José Montes

Dr. Rafael Guédez

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Entropy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
entropy@mdpi.com

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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