Special Issue

Advanced Multiphase Flow and Heat Transfer in Porous Media 2023

Message from the Guest Editor

We would like to invite you to submit your valuable research work to this Special Issue on multiphase flow and heat transfer in porous media. The aim of this Special Issue is to publish the potential research outcomes addressing the current status and challenges of multiphase porous media modelling for predicting the simultaneous heat and mass transport phenomena and process kinetics. We invite original research papers, comprehensive reviews, and short communications addressing the current challenges faced in developing multiphase porous media modelling. Topics include but are not limited to the experimental understanding and numerical modelling of porous media such as food, wood, paper, soil, rocks, and agri-based product processing. Modelling includes physics-based modelling, empirical modelling, and statistical or machine learning-based modelling to address the multiphase flow and heat transfer in porous media. Experimental works for characterising the porous material at different length scales from macro- to nanoscale are also welcome for submission to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (12 July 2023)

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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