

Topical Collection

Flow and Transport in Porous Media

Message from the Collection Editor

Flow and transport in porous media are of great significance for basic scientific research as well as cutting-edge technical applications. Many fundamental and practical aspects of flow and transport processes, which are crucial in various energy and environmental applications, are not well understood. Moreover, the physics involved during the flow and transport in tight formations, nanomaterials, new emerging contaminants, and new remediation technologies require, probably, newer insight into the way we model porous media problems. Therefore, an in-depth understanding of the physical principle and fluid transport mechanism in porous media is of great importance for the energy sector. Over the past few decades, research has made significant breakthroughs and contributions to understanding the fundamentals/challenges of fluid flow in porous media. Topics of this Collection include but are not limited to: multiphase fluid transport in porous media, computational fluid mechanics, novel experimental analysis and numerical modeling, multiscale and multiphysical modeling, and related technical applications.

Collection Editor

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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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