



energies



an Open Access Journal by MDPI

Flow and Transport Properties of Unconventional Reservoirs

Guest Editors:

Prof. Dr. Jianchao Cai

College of Geosciences, China
University of Petroleum, Beijing
102249, China

Prof. Dr. Qinjun Kang

Computational Earth Science
Group, Earth and Environmental
Sciences Division, Los Alamos
National Laboratory, Los Alamos,
NM 87545, USA

Dr. Harpreet Singh

The University of Texas at Austin,
Austin, TX 78705, USA
National Energy Technology
Laboratory, Morgantown, WV
26505, USA

Deadline for manuscript
submissions:

closed (20 December 2017)

Message from the Guest Editors

Unconventional reservoirs have received a great deal of attention in recent years. A better understanding of the nano- and micro-scale structures of these reservoir rocks, and their transport properties, are critical for improving the efficiency of these energy systems. Due to the complexity of unconventional rocks, and the strong interactions between fluids and pore surfaces due to the reduced dimensionality, conventional approaches are typically not applicable to fluid flow in these porous reservoir rocks. Therefore, the accurate characterization of rocks with nano- to micro-scale pores is challenging and of great importance.

We invite investigators to submit original research articles, as well as review articles, which will stimulate the continuous efforts on new and modern methods and techniques for rock characterization and reconstruction, as well as on understanding mechanisms involved in transport physics of tight and ultra-tight porous media and unconventional rocks.



mdpi.com/si/9383

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://x.com/energies_mdpi)