

## Special Issue

# Hydraulic Fracturing: Progress and Challenges

### Message from the Guest Editors

Hydraulic fracturing's transformative impact on the exploitation of shale rocks has been one of the most significant developments in the energy-related topic in the oil & gas industry. Aside from the evolution of hydraulic fracturing technology, its economic impact and environmental considerations will be the focus of this special issue. Original research articles as well as technical reviews on both fundamental problems and technical developments are invited for submission. Papers are invited, but are not limited to: 1) Hydraulic fracturing related topics in general, 2) Recracking, 3) Infill well fracturing, 4) Production patterns, 5) Geomechanics and Stress computations, 6) Proppant placement, 7) Microseismic mapping and seismic hazards, 8) Novel Diagnostics Methodologies, 9) Artificial Intelligence and Data Analytics, and 10) Economics, Safety, and Environmental.

### Guest Editors

Prof. Dr. Vamegh Rasouli

Dr. Fred Aminzadeh

Dr. Uchenna Odi

Dr. Ali Rezaei

### Deadline for manuscript submissions

closed (20 October 2022)



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## About the Journal

### 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.

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### Editor-in-Chief

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