

ISSN 2473-1889



Scientific Research
An Academic Publisher

Open Journal of
Yangtze
Oil and Gas

Volume 2 No.4 October 2017



Sponsor by Yangtze University

Journal Editorial Board

ISSN: 2473-1889 (Print) ISSN: 2473-1900 (Online)

[Http://www.scirp.org/journal/ojogas](http://www.scirp.org/journal/ojogas)

Executive Editor-in-Chief

Prof. Lizhi Xiao China University of Petroleum, China

Editorial Board

Dr. Abdulmohsen Saleh Al-Amry	Aden University, Yemen
Prof. Chun-Fang Cai	Chinese Academy of Science, China
Prof. Mohamed Mostafa El Nady	Egyptian Petroleum Research Institute, Egypt
Prof. Yongan (Peter) Gu	University of Regina, Canada
Prof. Wen-xiang He	Yangtze University, China
Dr. You-bin He	Yangtze University, China
Prof. Hongdu Huang	Yangtze University, China
Prof. Chang-Seop Lee	Keimyung University, South Korea
Prof. Chiyang Liu	Northwest University, China
Prof. Shunshe Luo	Yangtze University, China
Prof. Magdi S. Mahmoud	King Fahd University for Petroleum and Minerals, Saudi Arabia
Prof. K.V.N. Srinivasa Rao	B V Raju Institute of Technology, India
Dr. Domagoj Vulin	Faculty of Mining, Geology and Petroleum Engineering, Croatia
Prof. Gang Yu	Yangtze University, China
Prof. Zhansong Zhang	Yangtze University, China
Prof. Xiaomin Zhu	China University of Petroleum, China

Table of Contents

Volume 2 Number 4

October 2017

Future Electricity Production from Geothermal Resources Using Oil and Gas Wells

A. Mehmood, J. Yao, D. Y. Fun.....191

A New Method to Calculate the Recoverable Reserves and Recovery Ratio of Shale Gas Reservoir

M. L. Zhang, Y. Z. Zhang, L. Yang, H. Y. Mei, P. X. Shen, J. N. Ge.....201

Well Placement Optimization Using a Basic Genetic Search Heuristics Algorithm and a Black Oil Simulator

C. Y. Onuh, D. Alaigba, O. J. Rotimi, B. T. Arowolo.....214

Economic Advantage of In-Country Utilization of Nigeria Crude Oil

E. E. Okoro, A. Dosunmu, K. Igwilo, P. A. L. Anawe, A. O. Mamudu.....226

Numerical Simulation of Dual Laterolog Response in Directional Wells and Development of Correction Plate

X.-W. Ni, S.-H. Xu, G.-Y. Xu, X.-F. Ao, J. M. Feng, D.-R. Liu.....237

Thermal Effect on the Distribution of Regular Sterane and Geological Significance

Y. F. Yang, M. Zhang, J. L. Chen, X. H. Chen.....249

Generative Potential of Carboniferous-Permian Coal-Bearing Source Rocks in Ordos Basin

C. Li, Q. Yuan, M. Zhang.....260

Open Journal of Yangtze Oil and Gas (OJOGas)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Yangtze Oil and Gas* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Yangtze University, China and Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Yangtze University, China and Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2017 by Yangtze University and Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

Copyright for individual papers of the journal:

Copyright © 2017 by author(s), Yangtze University and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At Yangtze University and SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

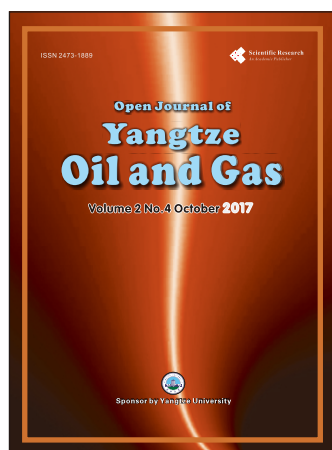
Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Yangtze University and Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ojogas@scirp.org



Open Journal of Yangtze Oil and Gas

ISSN: 2473-1889 (Print) ISSN: 2473-1900 (Online)

[Http://www.scirp.org/journal/ojogas](http://www.scirp.org/journal/ojogas)

Open Journal of Yangtze Oil and Gas is a peer reviewed international journal dedicated to analyze the latest development on oil and gas, such as petroleum exploration, development, and application. The goal of this journal is to provide a platform for researchers and scientists to promote, share and discuss various issues related. This includes, but is not limited to:

- Drilling Engineering
- Geophysical Logging
- Oil Field Engineering
- Oil-Gas Field Development
- Petrochemistry
- Petroleum Geology
- Petroleum Machinery

We welcome submissions of both experimental and theoretical papers provided that they report interesting and important findings, reveal novel insights, or propose useful methodologies in these areas. Review articles addressing timely and important topics in the aforementioned areas are also published in OJOGas.

Editorial Board

Dr. Abdulmohsen Saleh Al-Amry
Prof. Chun-Fang Cai
Prof. Mohamed Mostafa El Nad
Prof. Yongan (Peter) Gu
Prof. Wen-xiang He
Dr. You-bin He

Prof. Hongdu Huang
Prof. Chang-Seop Lee
Prof. Chiyang Liu
Prof. Shunshe Luo
Prof. Magdi S. Mahmoud
Prof. K.V.N. Srinivasa Rao

Dr. Domagoj Vulin
Prof. Gang Yu
Prof. Zhansong Zhang
Prof. Xiaomin Zhu

Website and E-Mail

[Http://www.scirp.org/journal/ojogas](http://www.scirp.org/journal/ojogas)

E-mail: ojogas@scirp.org