



Petroleum University of
Technology

In the Name of God

IRANIAN JOURNAL OF OIL & GAS SCIENCE AND TECHNOLOGY (IJOGST)

Vol. 4, No. 2, Spring 2015

ISSN: 2345-2412

Director in Charge

Gholamreza Rashed
Petroleum University of Technology

Editor in Chief

Riyaz Kharrat
Petroleum University of Technology

Executive Manager

Mohammad Reza Khosravi Nikou
Petroleum University of Technology

Executive Assistant

Ensieh Ebrahimpour
Petroleum University of Technology

Language Editor

Mohammad Najafi
University of Tehran

Editorial Board

Ehsani, Mohammad Reza, Professor at Isfahan University of Technology
Masihi, Mohsen, Associate Professor at Sharif University of Technology
Najibi, Seyed Hesam, Associate Professor at Petroleum University of Technology
Riahi, Mohammad Ali, Associate Professor at Tehran University
Salahshoor, Karim, Professor at Petroleum University of Technology
Shadizadeh, Seyed Reza, Professor at Petroleum University of Technology
Yassaghi, Ali, Associate Professor at Tarbiat Modares University

Iranian Journal of Oil & Gas Science and Technology (IJOGST) is published quarterly by Petroleum University of Technology (PUT). Manuscripts should be submitted online to the journal website at <http://ijogst.put.ac.ir>.

All correspondence must be directed to **Petroleum University of Technology**.

Address: Petroshimi Sq., Bereim, Abadan, Khuzestan, Iran, P.O. Box: 63146-61118

Tel: +98 61 5326 8957; **Fax:** +98 61 5326 8957; **Email:** ijogst@put.ac.ir; **Website:** <http://ijogst.put.ac.ir>

TABLE OF CONTENTS

Separating Well Log Data to Train Support Vector Machines for Lithology Prediction in a Heterogeneous Carbonate Reservoir	01-14
M. A. Sebtosheikh, R. Motafakkerfard, M. A. Riahi, and S. Moradi	
Evaluation of the Effects of Nanoclay Addition on the Corrosion Resistance of Bituminous Coating	15-26
H. R. Zamanizadeh, M. R. Shishesaz, I. Danaee, and D. Zaarei	
An Improvement in Temporal Resolution of Seismic Data Using Logarithmic Time-frequency Transform Method	27-39
A. Roshandel Kahoo and S. Gholtashi	
Developing a Fuzzy Logic Model to Predict Asphaltene Precipitation during Natural Depletion based on Experimental Data	40-49
M. Mohammadi, R. Kharrat, and A. Hashemi	
Comparison of Simulated Annealing, Genetic, and Tabu Search Algorithms for Fracture Network Modeling	50-67
S. Mahmoodpour, M. Masihi, and S. Gholinejhad	
Organizational Silence, from Roots to Solutions: A Case Study in Iran Petroleum Industry	68-83
M. Afkhami Ardakani and E. Mehrabanfar	
Persian Abstracts	84-89

Name of Reviewers

Alimoradi, Abbas	Heidari, Abdollah	Rasaei, Mohammadreza
Allahkaram, Saeed Reza	Jamshidi, Saeed	Rashed, Gholamreza
Ayatollahi, Shahab	Kadkhodaei, Ali	Riahi, Mohammad Ali
Bedayat, Housman	Kamali, Mohammad Reza	Rostami, Mahdi
Danaee, Iman	Kazemi, Alireza	Shahbazi, Khalil
Dehghanian, Changiz	Kadkhodaei, Ali	Shahrabadi, Abbas
Ehsani, Mohammad Reza	Khaloo, Shokooh Sadat	Shariati, Ahmad
Farzam, Mansour	Kharrat, Riyaz	Shariat Panahi, Homeira
Ghorbani, Davood	Khosravi Nikou, Mohammad Reza	Sharifi, Mohammad Hosein
Haghshenas, Farhad	Laribaghal, Mohammad	Shishesaz, Mohammad Reza
Hamoule, Toubia	Masihi, Mohsen	Sodagar, Sina
Hashemi, Abdolnabi	Mohebbi, Vahid	Tabatabaei Nezhad, Seyed Alireza
Hashemi Shahraki, Bahram	Najibi, Seyed Hesam	Yassaghi, Ali
Hatefi, Mohammad Ali	Nikmanesh, Soudabeh	Zargar, Ghasem