

# CURRICULUM VITAE

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**Date of Birth:** April 30, 1967  
**Place of Birth:** Tehran, Iran  
**Marital Status:** Married  
**Number of Children:** One



## Educations

- 1998-2003 Ph. D., Chemical Engineering Department, Tarbiat Modarres University, Tehran, Iran, December 2003.
- 1990-1993 M.Sc., Chemical Engineering Department, Tarbiat Modarres University, Tehran, Iran, September 1993.
- 1985-1990 B.Sc., Chemical Engineering Department, Shiraz University, Shiraz, Iran, June 1990.
- 1981-1985 High School Diploma, Saadat High School, Bushehr, Iran, June 1985.

## Teaching & Academic Experiences

- Since 1993 Lecturer in, Mass Transfer, Thermodynamics (I, II), Process Control, Advanced Mathematics, Advanced Transport Phenomena, and Fluid Phase Behavior of Reservoir Fluids in Persian Gulf University (P.G.U), Bushehr, Iran.
- October 4, 2002-  
March 21, 2003 Visiting PhD student in Luisi research group, ETHZ, Switzerland. (*Training on Dynamic Light Scattering(DLS), Circular Dichroism, and FTIR techniques for investigation of nano-encapsulation of bio-molecules*)
- 2004- ..... Assistant/Associate Professor in department of Chem. Eng., Persian Gulf University.
- 11-12 September-  
2005 Training course on: "*Application of Nanotechnology in Drug Delivery*". Presented by: Professor R. Gurny. Presented in IPPI.
- 6-7 March 2007 Training course on: "*Morphology of Nanoparticles: AFM, SEM, and TEM microscopy*". Presented in IPPI.
- 21 June 2007 Training course on: "*Application of Nanotechnology in Drug Delivery*". Presented by: CRS, Tehran, Iran.
- 21 November 2017 Workshop on: "*New Applications of Small Angle X-ray Scattering (SAXS)*"

*in Nanotechnology*". Presented by: Anton Paar, Institute for Nanoscience & Nanotechnology, Sharif University of Technology, Tehran, Iran.

## Professional Experiences

October 2007- January 2009	Managing Director Advisor of Pars Special Economic Energy Zone
June 2009-...	Member of Technology Council of Persian Gulf Science and Technology Park
January 2009- November 2011	Research and Development Manager of Pars Special Economic Energy Zone
6 January 2010	Executive Secretary of the first Conference on Sustainable, Integrated Knowledge Base Development of Pars Special Economic Energy Zone
7 March 2011	Executive Secretary of the Second Conference on Sustainable, Integrated Knowledge Base Development of Pars Special Economic Energy Zone
1 May 2014	Secretary of the 4 <sup>th</sup> National Persian Gulf Knowledge Award, Bushehr, Iran.
February 2015- June 2018	Vice Chancellor for Research Affairs of Persian Gulf University.

## Research Experiences

- Investigator of the Project: *Investigation of Nano-drug Delivery Systems Based on Organogels*, 2005, funded by Bushehr Governor Department of Training and Research, Contract No. 12/1022
- Investigator of the Project: *Fluid Characterization in South Pars Gas Condensate Field*, 2012, funded by NIOC-EOR institute (Pardis Reserach Park), Contract No. 91/10951
- Co-Investigator of the Project: *Analysis of Production Data in South Pars Gas Condensate Field*, 2012, funded by NIOC-EOR institute (Pardis Reserach Park), Contract No. 91/10956
- Co-Investigator of the Project: *Flaring Status and Environmental Impacts in South Pars (Assaluyeh) Region*, 2014, funded by Bushehr Environmental Protection Department, Contract No. 122-15111
- Investigator of the Project: *Extraction of an strategic biopolymer from shrimp shell waste of Fishery Industries by Bacillus licheniformis and Lactobacillus casei*, 2014, funded by Bushehr Governor Department of Training and Research, Contract No. 12/12252

## PhD Thesis Contribution

- [1] Supervisor of thesis: *"Improvement of Modeling of Compositional Gradient in Hydrocarbon Reservoirs"*, Mahboobeh Kiani Zakheradi, Persian Gulf University.
- [2] Co-Supervisor of thesis: *"Wettability Alteration in Gas Condensate Reservoirs using Nanoparticles"*, Rahmatollah Saboori, Persian Gulf University.

- [3] Co-Supervisor of thesis: *"Experimental Study of PPDs, Thermodynamic and Hydrodynamic Modeling of Wax Deposition in Oil and Stabilized Condensate Pipelines"*, Mojtaba Mansourpoor, Persian Gulf University.
- [4] Supervisor of thesis: *"Improvement of Rheological and Filter Cake Properties of Water-Based Drilling Fluid Using Nano-particles"*, Ehsan Pakdaman, Persian Gulf University.
- [5] Supervisor of thesis: *"Experimental investigation and mathematical modeling of transport and retention of bio-nanoparticles into oil reservoirs in water flooding"*, Razieh Ahmadi, Persian Gulf University.
- [6] Co-Supervisor of thesis: *"Determining Mass Transfer Coefficient of Gas Condensate Reservoir during Gas Injection"*, Mohamad Mohamadi-Baghmolaei, Persian Gulf University.

### **MSc Thesis Contribution**

- [1] Supervisor of thesis entitled: *"Prediction of Hydrate Formation Conditions in Presence of Electrolyte and Alcohol Solutions"*, by H. Hoseinnejad Maki, Persian Gulf University, 2007.
- [2] Advisor of thesis entitled: *"Modeling selective hydrogen sulfide absorption using MDEA solution in a packed column"*, by Morteza Afkhamipour, Persian Gulf University, 2011
- [3] Supervisor of thesis entitled: *"Structural Study of Nano-Encapsulated Protein in Reverse Micelles"*, by H. Ferasatzadeh, Persian Gulf University, 2011.
- [4] Supervisor of thesis entitled: *"Development of NRTL-NRF Thermodynamic Model for Electrolyte Systems Using Group Parameters"*, by S.M. Taghavian, 2011.
- [5] Supervisor of thesis entitled: *"Prediction of Hydrate Formation Conditions in Presence of Electrolyte and Alcohol Solutions Using Activity Coefficient Models"*, by R. Gholami, 2012.
- [6] Co-Supervisor of thesis entitled: *"Thermodynamic Modelling of Acid Gas Solubility in Aquifers"*, by Z. Alizadeh, Persian Gulf University, 2012.
- [7] Co-Supervisor of thesis entitled: *"Optimization of Performance of Gas Condensate Stabilization unit by Prediction of the Components Thermodynamic Properties"*, by Ebrahim Dianat, Persian Gulf University, 2012.
- [8] Co-Supervisor of thesis entitled: *"Modeling Vapor-Liquid and Liquid-Liquid equilibria of Systems Containing NFM Using CPA EoS"*, by H. Mahmoudjanloo, 2012.
- [9] Co-Supervisor of thesis entitled: *"Mathematical Modeling of Acid Gas Injection into Aquifer Reservoirs"*, by S.M. Jafari Rad, Persian Gulf University, 2012.
- [10] Supervisor of thesis entitled: *"Study of Thermodynamic Models for Protein Partitioning Between Aqueous and Reverse Micellar Phases"*, by S.L. Saeedi, Persian Gulf University, 2013.
- [11] Co-Supervisor of thesis entitled: *"Flow behavior of well and surface facilities in Gas Condensate Reservoirs"*, by R. Chahshoori, Persian Gulf University, 2013.
- [12] Co-Supervisor of thesis entitled: *"Production Data Analysis in Gas Condensate Reservoirs"*, by F. Sadeghi, Persian Gulf University, 2013.
- [13] Supervisor of thesis entitled: *"Development of Thermodynamic Models for Phase Equilibria of Protein in Reverse Micellar Systems"*, by T. Tayebi, Persian Gulf University, 2013.

- [14] Advisor of thesis entitled: "*Simulation of Acid Gas Injection into Fractured Aquifers*", by H.R. Amiri, Persian Gulf University, 2014.
- [15] Supervisor of thesis entitled: "*Development of thermodynamic models for prediction of gas hydrate formation conditions in the presence of CO<sub>2</sub>*", by Samira Mardaneh, Persian Gulf University, 2014.
- [16] Supervisor of thesis entitled: "*Synthesis of nanoparticles using reverse micelle system for enhanced oil recovery application*", by M. Nategh, Persian Gulf University, 2014.
- [17] Supervisor of thesis entitled: "*Development of Thermodynamic Models for Prediction of Critical Micelle Concentration*", by Z. Rezaei, Persian Gulf University, 2014.
- [18] Co-Supervisor of thesis entitled: "*Modeling Solubility of CO<sub>2</sub> in Formation Water by SAFT Equation of State*", by H. Rezaei Haghighi, Persian Gulf University, 2014.
- [19] Supervisor of thesis entitled: "*Extension of the Four-Coefficient Model for a Gas Condensate Reservoir in South of Iran*", by A. Mohammad Rezaei, Persian Gulf University, 2014.
- [20] Co-Advisor of thesis entitled: "*Numerical and Experimental Evaluation of CO<sub>2</sub> Sequestration in Saline Aquifers*", by Y. Gholami, Persian Gulf University, 2014.
- [21] Co-Supervisor of thesis entitled: "*Feasibility and simulation of CO<sub>2</sub> gas sequestration and storage in saline aquifers*", by M. Asgari, Persian Gulf University, 2014.
- [22] Co-Supervisor of thesis entitled: "*Investigating Different Methods of Artificial Lift, Selection of Suitable methods and Performance Comparison of Common Industrial Artificial Lift Equipment for Increasing Production Rate in an Oil Field*", M. Ahmadvand Shahverdi, Persian Gulf University, 2014.
- [23] Advisor of thesis entitled: "*Investigating Causes of Casing Collapse in Maroon Oil Field*", by A. Mokhtari Karchegani, Persian Gulf University, 2015.
- [24] Co-Supervisor of thesis entitled: "*Lost Circulation of Mud Due to Wellbore Instability*", by P. Aqaiee Koohi, 2015.

## **Publications**

### **English Language Journals**

- [1] A. Haghtalab, **S. Osfouri**, "*The Application of NRTL-NRF Model for Excess Gibbs Free Energy of Aqueous Multi Electrolyte Solutions*", Iranian Journal of Science & Technology, 22B(1), pp. 33-46, 1998.
- [2] A Haghtalab, **S. Osfouri**, "*Vacancy Solution Theory for Partitioning of Protein in Reverse Micellar Systems*", Separation Science and Technology, 38(3), pp. 553-569, 2003.
- [3] A. Haghtalab, **S. Osfouri**, "*A Simple Complexation Model and the Experimental Data for Protein Extraction Using Reverse Micellar Systems*", Iranian Journal of Biotechnology, 2(2), pp. 106-112, 2004.
- [4] **S. Osfouri**, P. Stano, P.L. Luisi, "*Condensed DNA in Lipid Micro-compartments*", Journal of Physical Chemistry-B, 109, pp. 19929-19935, 2005.

- [5] M. Hasanzadeh Kafshgari, M. Khorram, M. Mansouri, A. Samimi, **S. Osfouri**, "Preparation of Alginate and Chitosan Nanoparticles Using a New Reverse Micellar System", *Iranian Polym. J.*, 21(2), pp. 99-107, 2012.
- [6] K. Parvanak Boroujeni, B. Tamami, A. Abdulmaleki, **S. Osfouri**, A. Fadavi, "Synthesis and Characterization of Some New Aromatic Polyoxadiazoles Through Cyclodehydration of Polyhydrazides", *Polym. Bull.*, 68, pp. 909-920, 2012.
- [7] M. Hasanzadeh Kafshgari, M. Mansouri, M. Khorram, A. Samimi, **S. Osfouri**, "Bovine Serum Albumin Loaded Chitosan Particles: An Evaluation of Effective Parameters on Fabrication, Characteristic and in Vitro Release in the Presence of Non-Covalent Interactions", *Int. J. Polym. Mater.*, 61(14), pp. 1079-1090, 2012.
- [8] R. Azin, M. Mahmoody, S. M. Jafari Raad, **S. Osfouri**, "Measurement and Modeling of CO<sub>2</sub> Diffusion Coefficient in Saline Aquifer at Reservoir Conditions", *Central European Journal of Engineering*, 3(4), pp. 585-594, 2013.
- [9] H. Mahmoudjanloo, A.A. Izadpanah, **S. Osfouri**, A.H. Mohammadi, "Modeling Liquid-Liquid and Vapor-Liquid Equilibria for the Hydrocarbon + N-Formylmorpholine System Using the CPA Equation of State", *Chem. Eng. Sci.*, 98, pp. 152-159, 2013.
- [10] R. Azin, S.M. Jafari Rad, **S. Osfouri**, R. Fatehi, "Onset of Instability in CO<sub>2</sub> Sequestration into Saline Aquifer: Scaling Relationship and the Effect of Perturbed Boundary", *Heat and Mass Transfer*, 49, pp. 1603-1612, 2013.
- [11] **S. Osfouri**, R. Azin, E. Pakdaman, "Dynamics of Water State in Nanoconfined Environment", *Journal of the Taiwan Institute of Chemical Engineers*, 45, pp. 828-832, 2014.
- [12] R. Azin, A. Lak, **S. Osfouri**, R. Chahshoori, M.H. Heidari Sureshjani, S. Gerami, "Integrated Analysis of Choke Performance and Flow Behaviour in High-Rate, Deviated Gas-Condensate Wells", *Gas Processing Journal*, 2(1), pp. 8-18, 2014.
- [13] A. Lak, R. Azin, **S. Osfouri**, S. Gerami, R. Chahshoori, "Choke Modeling and Flow Splitting in a Gas-Condensate Offshore Platform", *Journal of Natural Gas Science and Engineering*, 21, pp. 1163-1170, 2014.
- [14] **S. Osfouri**, R. Azin, M. Kiani Zakheradi, S. Gerami, "A Unified Approach for Quality Control of Drilled Stem Test (DST) and PVT Data", *Gas Processing Journal*, 2(1), pp. 40-50, 2104.
- [15] Y. Gholami, R. Azin, R. Fatehi, **S. Osfouri**, A. Bahadori, "Prediction of Carbon Dioxide Dissolution in Bulk Water Under Isothermal Pressure Decay at Different Boundary Conditions", *J. Molecular Liquids*, 202, pp. 23-33, 2015.
- [16] S.M. Jafari Rad, R. Azin, **S. Osfouri**, "Measurement of CO<sub>2</sub> Diffusivity in Synthetic and Saline Aquifer Solutions at Reservoir Conditions: The Role of Ion Interactions", *Heat and Mass Transfer*, 51(11), pp. 1587-1595, 2015.
- [17] R. Fatehi, S.M. Jafari Rad, R. Azin, **S. Osfouri**, A. Bahadori, "Linear Perturbation Analysis of Density Change Caused by Dissolution of Carbon Dioxide in Saline Aqueous Phase", *J. Molecular Liquids*, 209, pp. 539-548, 2015.
- [18] **S. Osfouri**, R. Azin, R. Gholami, A. A. Izadpanah, "Modeling Hydrate Formation Conditions in the Presence of Electrolytes and Polar Inhibitor Solutions", *The Journal of Chemical Thermodynamics*, 89, pp. 251-263, 2015.

- [19] **S. Osfouri**, R. Azin, R. Gholami, M. Moshfeghian, “*Wilson Non-Random Factor Reference State Base Model for Prediction of Gas Hydrate Formation Conditions in Presence of Electrolyte and/or Alcohol Solution*”, *J. Solution Chemistry*, 44 (7), pp. 1382-1406, 2015.
- [20] R. Azin, M. Asgari, **S. Osfouri**, N. Mehrabi, R. Fatehi, “*Geological Identification and Storage Capacity of Suitable Formation for CO<sub>2</sub> Disposal in Eastern Zagros (Fars area), Iran*”, *Environmental Studies of Persian Gulf*, 2(1), pp. 45-55, 2015.
- [21] Y. Gholami, R. Azin, R. Fatehi, **S. Osfouri**, “*Suggesting a Numerical Pressure-Decay Method for Determining CO<sub>2</sub> Diffusion Coefficient in Water*”, *J. Molecular Liquids*, 211, pp. 31-39, 2015.
- [22] R. Azin, N. Mehrabi, **S. Osfouri**, M. Asgari, “*An Overview of CCS Road Map and Identification of a Suitable CO<sub>2</sub> Disposal Site in Eastern Zagros (Fars Area) in Iran*”, *Procedia Earth and Planetary Science*, 15, pp. 407-412, 2015.
- [23] R. Azin, N. Mehrabi, **S. Osfouri**, M. Asgari, “*Experimental Study of CO<sub>2</sub>-Saline Aquifer-Carbonate Rock Interaction During CO<sub>2</sub> Sequestration*”, *Procedia Earth and Planetary Science*, 15, pp. 413-420, 2015.
- [24] **S. Osfouri**, R. Azin, A. Mohammadrezaei, “*A Modified Four-Coefficient Model for Plus Fraction Characterization of a Supergiant Gas Condensate Reservoir*”, *J. Gas Technology*, 1(1), pp. 4-12, 2015.
- [25] M. Heidari Sureshjani<sup>1</sup>, R. Azin, A. Lak, **S. Osfouri**, R. Chahshoori, F. Sadeghi, M. Lali, S. Gerami, “*Production Data Analysis in a Gas-Condensate Field: Methodology, Challenges and Uncertainties*”, *Iranian J. Chem. and Chem. Eng.*, 35(2), pp. 113-127, 2016.
- [26] M. Kiani Zakheradi, **S. Osfouri**, R. Azin, S.A. Mousavi Dehghani, “*Impact of Fluid Characterization on Compositional Gradient in a Volatile Oil Reservoir*”, *J. Petroleum Exploration and Production Technology*, 6(4): pp. 835-844, 2016.
- [27] M. Mohamadi-Baghmolaei, R. Azin, **S. Osfouri**, R. Mohamadi-Baghmolaei, Z. Zarei, “*Prediction of Gas Compressibility Factor Using Intelligent Models*”, *Natural Gas Industry B*, 2(4), pp. 283-294, 2015.
- [28] M. Mohamadi-Baghmolaei, R. Azin, Z. Zarei, **S. Osfouri**, “*Presenting Decision Tree for Best Mixing Rules and Z-factor Correlations and Introducing Novel Correlation for Binary Mixtures*”, *Petroleum*, 2, pp. 289-295, 2016.
- [29] M. Mohamadi-Baghmolaei, R. Azin, Z. Sakhaei, R. Mohamadi-Baghmolaei, **S. Osfouri**, “*Novel method for estimation of gas/oil relative permeabilities*”, *J. Molecular Liquids*, 223, pp. 1185-1191, 2016.
- [30] **S. Osfouri**, R. Azin, “*An Overview of Challenges and Errors in Sampling and Recombination of Gas Condensate Fluids*”, *J. Oil, Gas and Petrochem. Technol.*, 3(1), pp. 1-13, 2016.
- [31] Z. Sakhaei, M. Mohamadi-Baghmolaei, R. Azin, **S. Osfouri**, “*Study of production enhancement through wettability alteration in a super-giant gas-condensate reservoir*”, *J. Molecular Liquids*, 233, pp. 64-74, 2017.

- [32] **S. Osfouri**, R. Azin, H. Amiri, Z. Rezaei, M. Moshfeghian, “*Integrated characterization and tuning strategy for PVT analysis of Representative Fluids in a Gas Condensate Reservoir*”, Iranian Journal of Oil & Gas Science and Technology, 7(1), pp. 40-59, 2018.
- [33] **S. Osfouri**, R. Azin, “*A three-coefficient model with global optimization for heavy end characterization of gas condensate PVT data*”, Gas Processing Journal, 4(2), pp. 65-77, 2016.
- [34] M. Nategh, **S. Osfouri**, R. Azin, “*Prediction of CO<sub>2</sub> mass transfer parameters to light oil in presence of surfactants and silica nanoparticles synthesized in cationic reverse micellar system*”, Korean Journal of Chemical Engineering, 35(1), pp. 44-52, 2018.
- [35] **S. Osfouri**, T. Tayebi, R. Azin, “*A New Thermodynamic Approach for Protein Partitioning in Reverse Micellar Solution*”, Phys. Chem. Res., 6(1), pp. 105-113, 2018.
- [36] R. Saboori, Reza Azin, **S. Osfouri**, S. Sabbaghi, A. Bahramian, “*Stability of Alumina Nanofluid in Water/Methanol Base Fluid in the Presence of Different Salts*”, Journal of Nanofluids, 7, pp. 1-11, 2018.
- [37] R. Saboori, Reza Azin, **S. Osfouri**, S. Sabbaghi, A. Bahramian, “*Synthesis of Fluorine-Doped Silica-Coating by Fluorosilane Nanofluid to Ultrahydrophobic and Ultraoleophobic Surface*”, Materials Research Express, 4(10), 105010, 2017.
- [38] R. Saboori, Reza Azin, **S. Osfouri**, S. Sabbaghi, A. Bahramian, “*Wettability Alteration of Carbonate Rocks from Strongly Liquid-Wetting to Strongly Gas-Wetting by Fluorine-Doped Silica Coated by Fluorosilane*”, Journal of Dispersion Science and Technology, 39(6), pp. 767-776, 2018.
- [39] A. Khorami, S. A. Jafari, M. Mohamadi-Baghmolaei, R. Azin, **S. Osfouri**, “*Density, Viscosity, Surface Tension and Excess Properties of DSO and Gas Condensate Mixtures*”, Appl. Petrochem. Res., 7(2-4), pp. 119-129, 2017.
- [40] A. Lak, R. Azin, **S. Osfouri**, R. Fatehi, “*Modeling Critical Flow through Choke for a Gas-condensate Reservoir Based on Drill Stem Data*”, Iranian Journal of Oil and Gas Science and Technology, 6(3), pp. 29-40, 2017.
- [41] Z. Roosta, A. Izadbakhsh, A.M. Sanati, **S. Osfouri**, “*Synthesis and Evaluation of NiO@MCM-41 Core-Shell Nanocomposite in the Dry Reforming of Methane*”, Journal of Porous Materials, 25(4), pp. 1135-1145, 2018.
- [42] A. Hajizadeh, M. Mohamadi-Baghmolaei, R. Azin, **S. Osfouri**, I. Heydari, “*Technical and Economic Evaluation of Flare Gas Recovery in a Giant Gas Refinery*”, Chemical Engineering and Research Design, 131, pp. 506-519, 2018.
- [43] H. Mohammaddoost, A. Azari, M. Ansarpour, **S. Osfouri**, “*Experimental investigation of CO<sub>2</sub> removal from N<sub>2</sub> by metal oxide nanofluids in a hollow fiber membrane contactor*”, International Journal of Greenhouse Gas Control, 69, pp. 60-71, 2018.

- [44] R. Saboori, Reza Azin, **S. Osfouri**, S. Sabbaghi, A. Bahramian, “*Wettability Alteration of Carbonate Cores by Alumina-Nanofluid in Different Base Fluids and Temperature*”, Journal of Sustainable Energy Engineering, 6(1), pp. 84-98, 2018.
- [45] R. Azin, H. Sedaghati, R. Fatehi, **S. Osfouri**, Z. Sakhaei, “*Production Assessment of Low Production Rate of Well in a Super-Giant Gas Condensate Reservoir: Application of an Integrated Strategy*”, Journal of Petroleum Exploration and Production Technology, Accepted for publication.
- [46] M. Mansourpoor, R. Azin, **S. Osfouri**, A. A. Izadpanah, “*Study of Wax Disappearance Temperature Using Multi- Solid Thermodynamic Model*”, Journal of Petroleum Exploration and Production Technology, Accepted for publication.
- [47] Z. Sakhaei, R. Azin, A. Naghizadeh, **S. Osfouri**, R. Fatehi, H. Vahdani, “*Application of fluorinated nanofluid for production enhancement of a carbonated gas-condensate reservoir through wettability alteration*”, Materials Research Express, 5(3), 035008, 2018.
- [48] M. Mansourpoor, R. Azin, **S. Osfouri**, A. A. Izadpanah, “*Effect of DSO, EVA, and SiO<sub>2</sub> and Clay Nanohybrids on Rheological Properties of Waxy Oil Mixtures*”, Materials Research Express, 5(9), 095027, 2018.
- [49] M. Zirahi, B. Azinfar, H. Hassanzadeh, J. Abedi, R. Azin, **S. Osfouri**, “*Particles aggregation and fragmentation-A Monte Carlo study*”, Chemical Physics, 517, pp. 6-12, 2019.
- [50] R. Ahmadi, **S. Osfouri**, R. Azin, “*Wettability alteration of carbonate oil reservoir surface using biocompatible nanoparticles*”, Materials Research Express, 6(2), 025033, 2019.

### **Persian Language Journals**

- [1] **S. Osfouri**, A. Haghtalab, P.L. Luisi, “*DNA Solubilization in a Biocompatible Reverse Micellar System*”, Iranian Journal of Chemistry and Chemical Engineering, 25(2), pp. 41-47, 2006.
- [2] **S. Osfouri**, “*Investigation of Interaction between DNA and AOT-Ionic Reverse Micelles in DNA Nano-Encapsulation Process*”, Iranian Journal of Chemical Engineering, 7(36), pp. 28-33, 2008.
- [3] H. Ferasatzadeh, **S. Osfouri**, “*Concepts and Applications of Reverse Micellar Systems in Nanotechnology*”, Nano-world Journal, 7(22), pp. 55-61, 2011.
- [4] M. Afkhamipour, R. Azin, **S. Osfouri**, “*Modeling Selective Hydrogen Sulfide Absorption Using MDEA Solution in a Packed Column*”, Iranian Journal of Chemistry and Chemical Engineering, 31(2), pp. 27-39, 2012.
- [5] **S. Osfouri**, H. Ferasatzadeh, “*Investigation of Guest-Host Interactions in Separation Process of Bovine Serum Albumin Protein Using Reverse Micellar Systems*”, 4(4), Journal of Separation Science and Engineering, pp. 65-73, 2012.
- [6] M. Nategh, **S. Osfouri**, R. Azin, “*Applications of Nanotechnology in Oil Production and Enhance Oil Recovery*”, Nano-world Journal, 7(25), pp. 67-71, 2012.



- [7] **S. Osfouri**, M. Nategh, R. Azin, “*Investigation of Nanoparticles Production Using Reverse Micellar Systems*”, Nano-world Journal, 9(32), pp. 37-41, 2013.
- [8] Y. Hajeb, A.A. Izadpanah, **S. Osfouri**, “*Modeling Vapor-Liquid Equilibria by Simplified SAFT Equation of State*”, Farayandno Journal, 8(43), pp. 6-23, 2013.
- [9] Z. Rezaei, **S. Osfouri**, R. Azin, “*Review of Thermodynamic Models for Prediction of Critical Micelle Concentration*”, Nano-world Journal, 9(33), pp. 5-11, 2014.
- [10] S.M. Jafari Rad, R. Azin, **S. Osfouri**, R. Fatehi, “*Simulation of Natural Convection in Acid Gas Disposal into Saline Aquifers*”, Petroleum Research, 24(77), pp. 100-109, 2014.
- [11] S.L. Saeedi, **S. Osfouri**, “*Development of Vacancy Solution Theory Based on Local Composition Concept for Protein Extraction Using Reverse Micellar System*”, 6(1), Journal of Separation Science and Engineering, pp. 1-9, 2014.
- [12] **S. Osfouri**, S.A. Shojaei, R. Azin, “*Determination of Water State in Nanoscale Using Fourier Transform Infrared*”, Nano-world Journal, 10(34), pp. 26-30, 2014.
- [13] S. Mardaneh, **S. Osfouri**, R. Azin, A.A. Izadpanah, “*Study of CO<sub>2</sub> Hydrate Formation Process in Saline Aquifers*”, Iranian Journal of Chemical Engineering, 13(74), pp. 67-76, 2014.
- [14] F. Sadeghi, R. Azin, **S. Osfouri**, M.H. Heidari Sureshjani, “*Production Data Analysis in Hydrocarbon Reservoirs: A Case Study*”, Iranian Journal of Chemical Engineering, 13(75), pp. 4-14, 2014
- [15] H. Mahmoudjanloo, A.A. Izadpanah, Sh. Osfouri, “*Modeling Vapor-liquid Phase Equilibrium of Mixtures Containing Aromatic and N-formyl Morpholine by CPA Equation of State*”, Petroleum Research, 25(82), pp. 169-183, 2015.
- [16] R. Azin, **S. Osfouri**, S. Gerami, R. Chahshouri, M.H. Heidari Sureshjani, “*Evaluation of Pressure Drop Empirical Correlations in Production Wells of a Gas Condensate Field*”, Petroleum Research, 25(85-2), pp. 160-171.
- [17] M. Ahmadvand, R. Azin, **S. Osfouri**, “*Investigation of Artificial Lift Installation Using Electrical Submersible Pump in an Iranian Offshore Field*”, Iranian Chemical Engineering Journal, 14(78), pp. 45-53, 2015.
- [18] R. Azin, I. Amareh, R. Sabouri, **S. Osfouri**, “*Application of Nanoparticles for Wettability alteration of Oil Reservoirs*”, Nano-world Journal, 11(39), pp. 21-26, 2015.
- [19] Z. Sakhaei, R. Azin, **S. Osfouri**, “*Optimization of Empirical and Analytical Relative Permeability Models in Oil–Water Systems*”, Petroleum Research, 27(1), pp. 186-199, 2017.
- [20] R. Ahmadi, **S. Osfouri**, R. Azin, “*Synthesis and Characterization of Nanoparticles from Cuttlebone (sepia pharaonis) of Persian Gulf*”, Iranian South Medical Journal, 21(4): 287-296, 2018.
- [21] S.A. Jafari, R. Azin, M. Mohamadi-Baghmolaei, **S. Osfouri**, A. Noushdi, F. Abdolahi “*Investigation of Physical Properties of Disulfide Oil and Condensate Mixture*”, Petroleum Research, 27(6), pp. 155-166, 2018.
- [22] M. Farid, **S. Osfouri**, R. Azin “*Changes in Interfacial Properties of the Fluid/Fluid/Rock Affected by Activity of Bacillus licheniformis and Pseudomonas putida Bacteria during Growth in Different Carbon Sources*”, Petroleum Research, Accepted for publication.

- [23] M. Behroozeh, M. Abbasi, **S. Osfouri** "Using Advanced Oxidation Processes for Treatment of Wastwaters Containing Dimethyl Sulfoxide: A Review", *Journal of Water & Wastewater Science & Engineering*, 3(1), pp. 13-21, 2018.
- [24] M. Najafiasl, **S. Osfouri**, R. Azin, S. Zaeri, "*Investigation of the addition of alginate natural polymer on the structure of polyvinyl alcohol biocompatible nanofibers in electrospinning process*", *Iranian South Medical Journal*, Accepted for publication.

## Conferences & Workshop

### English Language Proceeding

- [1] A. Haghtalab, **S. Osfouri**, "*Reverse Micellar Extraction of Bovine Serum Albumin Using CTAB/Isooctane-1-Hexanol*", The 15<sup>th</sup> International Congress of Chemical and Process Engineering (CHISA), 25-29 August 2002, Praha, Czech Republic.
- [2] A. Haghtalab, **S. Osfouri**, "*Determination of the Critical Micelle Concentration of CTAB with Spectrophotometric Method*", The 7<sup>th</sup> National Congress of Chemical Engineering, 28-31 October 2002, Tehran, Iran.
- [3] A. Haghtalab, **S. Osfouri**, "*Thermodynamic Models for Phase Equilibria of Protein in Reverse Micellar Systems*", The 7<sup>th</sup> National Congress of Chemical Engineering, 28-31 October 2002, Tehran, Iran.
- [4] A. Haghtalab, **S. Osfouri**, "*A New Reverse Micellar System for Extraction of Lysosyme*", The 7<sup>th</sup> National Congress of Chemical Engineering, 28-31 October 2002, Tehran, Iran.
- [5] M. Vafaie-Sefti, **S. Osfouri**, A.A. Ezadpanah, S. Dorosti, Kh. Rami, "*Development and Application of an Improved Harmens and Knapp Equation of State with Generalized Alpha and Beta Functions*", The 7<sup>th</sup> National Congress of Chemical Engineering, 28-31 October 2002, Tehran, Iran.
- [6] **S. Osfouri**, A. Haghtalab, P.L. Luisi, "*FTIR Investigation of Water State in a Biocompatible Reverse Micelle Containing DNA*", The 3<sup>rd</sup> National Congress of Biotechnology, 9-11 September 2003, Mashhad, Iran.
- [7] A. Haghtalab, **S. Osfouri**, "*A Simple Complexation Model and the Experimental Data for Protein Extraction Using Reverse Micellar Systems*", The 9<sup>th</sup> National Congress of Chemical Engineering, 23-25 November 2004, Tehran, Iran.
- [8] **S. Osfouri**, P. Stano, P.L. Luisi, "*Condensed DNA in lipid micro-compartments*", International Workshop of DNA Supramolecular Assemblies, 5-6 May 2004, University of Avignon, Avignon, France
- [9] **S. Osfouri**, P. Stano, P.L. Luisi, "*Nano Lipidic Self-assembled System for Condensation of DNA*", The 4<sup>th</sup> National Congress of Biotechnology, 15-17 August 2005, Kerman, Iran.
- [10] **S. Osfouri**, P.L. Luisi, "*Stability and Reversibility of DNA Nano-compartmentation*", The 3<sup>rd</sup> Iranian Conference of Novel Drug Delivery Systems, 20-21 June 2007, Tehran, Iran.
- [11] **S. Osfouri**, A.A. Izadpanah, H. Hosseinnejad, "*Application of NRTL-NRF Activity Coefficient Model for Prediction of Hydrate Formation Conditions in the Presence of Electrolyte Solutions*", The 1<sup>st</sup> Iranian Thermodynamics Conference, 31 October- 1 November 2007, Isfahan, Iran

- [12] M. Davoudi, Z. Khorami, **S. Osfouri**, "*Experimental Study of Sea Line Pigging in Unsteady Two-Phase Flow*", The 6<sup>th</sup> International Chemical Engineering Congress & Exhibition, 16-20 November, 2009 Kish Island, Iran.
- [13] M. Mansourpoor, R. Azin, **S. Osfouri**, "*Modified Correlations of Dewpoint Pressure and Gas Compressibility Factor for an Offshore Gas Condensate Reservoir*", The 1<sup>st</sup> National Conference on Oil and Gas Fields Development, 28-29 January 2015, Sharif University of Technology, Tehran, Iran.
- [14] S.F. Mousavi, **S. Osfouri**, R. Azin, "*A New Approach for Modification of Constant Volume Depletion Data of Gas Condensate Fluid*", The 9<sup>th</sup> International Chemical Engineering Congress & Exhibition, 26-28 December 2015, Shiraz, Iran.
- [15] R. Saboori, R. Azin, I. Amareh, **S. Osfouri**, A. Bahramian, S. Sabbaghi, "*Wettability Alteration of Carbonate Cores by Alumina-Nanofluid*", The 9<sup>th</sup> International Chemical Engineering Congress & Exhibition, 26-28 December 2015, Shiraz, Iran.
- [16] H. Mohammaddoost, A. Azari, M. Ansarpour, **S. Osfouri**, "*Experimental Investigation of CO<sub>2</sub> Removal from N<sub>2</sub> by Water/TiO<sub>2</sub> NFs in PP Hollow Fiber Membrane Contactor*", The 9<sup>th</sup> International Chemical Engineering Congress & Exhibition, 26-28 December 2015, Shiraz, Iran.
- [17] M. Mohamadi-Baghmolaie, R. Azin, **S. Osfouri**, Z. Zarei, "*Finding Proper Combination of Mixing Rules and Empirical Correlations for Predicting Gas Condensate Z-Factor*", The 9<sup>th</sup> International Chemical Engineering Congress & Exhibition, 26-28 December 2015, Shiraz, Iran.
- [18] S. Yazdani, R. Azin, **S. Osfouri**, Y. Gholami, "*A New Interpretation of Non-Fickian Transport Equation for Modeling Gas Diffusion in Heavy Oil*", The 9<sup>th</sup> International Chemical Engineering Congress & Exhibition, 26-28 December 2015, Shiraz, Iran.
- [19] Z. Sakhaei, R. Azin, **S. Osfouri**, "*Assessment of empirical/theoretical relative permeability correlations for gas-oil/condensate systems*", The 1st Biennial Persian Gulf Oil, Gas, and Petrochemistry Conference, 20 April 2016, Persian Gulf University, Iran.
- [20] M. Behroozeh, M. Abbasi, **S. Osfouri**, "*Investigation types of new methods and combinational the Fenton processes for different waste waters treatment*", The 4th International Conference on Environmental Planing & Management, 23 & 24 May 2017, Tehran University, Iran.
- [21] R. Bargahi, **S. Osfouri**, M. Abbasi, "*The recent advances in reverse electrodialysis process for the production of energy using water salinity gradient*", The 4th International Conference on Environmental Planing & Management, 23 & 24 May 2017, Tehran University, Iran.
- [22] R. Ahmadi, **S. Osfouri**, R. Azin, "*Self-production of CaCO<sub>3</sub> Nanoparticles from Persian Gulf Marine Resource*", 2<sup>nd</sup> International and 10<sup>th</sup> National Biotechnology Congress of Islamic Republic of Iran, 29-31 August 2017, Seed and plant Improvement Institute, Karaj, Iran.
- [23] M. Farid, **S. Osfouri**, R. Azin, S.A. Jafari, "*Effect of Carbon Source on Surfactant Production and Cell Surface Properties Absorption in Water-Oil Interface*", 2<sup>nd</sup> International and 10<sup>th</sup> National Biotechnology Congress of Islamic Republic of Iran, 29-31 August 2017, Seed and plant Improvement Institute, Karaj, Iran.

- [24] S. Soleimani, **S. Osfouri**, R. Azin, A. Akbarzadeh, “*Effect of Silica Nanoparticles on Decreasing Scale Deposition in Mono-Ethylene Glycol Solution*”, The 10<sup>th</sup> International Chemical Engineering Congress and Exhibition (ICHEC 2018), 6-10 May 2018, Isfahan, Iran.
- [25] F. Zarei, R. Azin, **S. Osfouri**, M. Ashouri, “*Prediction of CO<sub>2</sub> Diffusion Coefficient in Condensate by Pressure Decay Method*”, 80<sup>th</sup> EAGE Conference and Exhibition 2018, 11-14 June 2018, Copenhagen, Denmark.
- [26] A. Naghizadeh, R. Azin, **S. Osfouri**, R. Fatehi, “*Comparison Wettability Alteration of Different Rock Types, Using Nanofluid*”, 80<sup>th</sup> EAGE Conference and Exhibition 2018, 11-14 June 2018, Copenhagen, Denmark.

### **Persian Language Proceeding**

- [1] A. Haghtalab, **S. Osfouri**, “*Protein Separation Using Cetyltrimethylammonium bromide/Isooctane-1-Hxanol Reverse Micellar System*”, The 2<sup>ed</sup> National Congress of Biotechnology, 9-11 October 2001, Karaj, Iran.
- [2] A. Haghtalab, **S. Osfouri**, “*NRTL-NRF Thermodynamic Model for Partitioning of Protein in Reverse Micellar Solutions*”, The 8<sup>th</sup> National Congress of Chemical Engineering, 21-23 October 2003, Mashhad, Iran.
- [3] **S. Osfouri**, “*Dynamic Light Scattering Study of DNA Nano-compartmentation*”, The 5<sup>th</sup> National Biotechnology Congress of Iran, 24-26 November 2007, Tehran, Iran.
- [4] M. J. Kamali, , A. Mortazavi, **S. Osfouri**, “*Develop a Neural Network Model for Growth and Accumulation of Citric Acid by Aspergillus Niger*”, The 5<sup>th</sup> National Biotechnology Congress of Iran, 24-26 November 2007, Tehran, Iran.
- [5] M. J. Kamali, A. Mortazavi, **S. Osfouri**, “*Modeling of Citric Acid Fermentation Process by Aspergillus Niger Using Genetic Algorithm*”, The 5<sup>th</sup> National Biotechnology Congress of Iran, 24-26 November 2007, Tehran, Iran.
- [6] M. Hasanzadeh Kafshgari, M. Khorram, A. Samimi, **S. Osfouri**, “*Kinetic Modeling of Ferric Ion Adsorption on Chitosan*”, The 12<sup>th</sup> National Chem. Eng. Congress of Iran, 21-23 October 2008, Tabriz, Iran.
- [7] M. Hasanzadeh Kafshgari, M. Mansouri, M. Khorram, A. Samimi, **S. Osfouri**, “*Chitosan Nano-particle production Using Reverse Micellar Method*”, The 6<sup>th</sup> National Biotechnology Congress of Iran, 13-14 August 2009, Tehran, Iran.
- [8] M. Khorram, M. Mansouri, M. Hasanzadeh Kafshgari, A. Samimi, **S. Osfouri**, “*Preparation of BSA Loaded Chitosan Nano-particle Using Reverse Micellar Method*”, The 6<sup>th</sup> National Biotechnology Congress of Iran, 13-14 August 2009, Tehran, Iran.
- [9] R. Qasemieh, **S. Osfouri**, “*Human Resource Management and Its Rule in Development of South Pars Zone*”, The 1<sup>th</sup> National conference on Sustainable, Integrated, Knowledge-based Development of Pars Special Energy Economic Zone (PSEEZ), 6-8 January, 2010 Assaluyeh, Iran.
- [10] K. Parvanak Boroujeni, **S. Osfouri**, “*Water Nano-reservoirs for Humidity Saving of Soli in Pars Special Energy Economic Zone (PSEEZ)*”, The 2<sup>nd</sup> National conference on

Sustainable, Integrated, Knowledge-based development of Pars Special Energy Economic Zone (PSEEZ), 7-8 March, 2011, Assaluyeh, Iran.

- [11] R. Azin, A. Mosleh, A. Ahmadi, **S. Osfouri**, “*Acid Gas Management in Pars Special Energy Economic Zone (PSEEZ)*”, The 2<sup>nd</sup> National conference on Sustainable, Integrated, Knowledge-based development of Pars Special Energy Economic Zone (PSEEZ), 7-8 March, 2011, Assaluyeh, Iran.
- [12] K. Parvanak Boroujeni, K. Parvanak Boroujeni, M. Karim, M. Ezazi, **S. Osfouri**, A. Azadi, “*Investigation of Oil dispersion in Soil Based on Phytoremediation in south Pars Zone*”, The 2<sup>nd</sup> National conference on Sustainable, Integrated, Knowledge-based development of Pars Special Energy Economic Zone (PSEEZ), 7-8 March, 2011, Assaluyeh, Iran.
- [13] **S. Osfouri**, H. Ferasatzadeh, “*Structural Investigation of Nano-encapsulated BSA in Reverse Micellar System*”, The 7<sup>th</sup> National Biotechnology Congress of Iran, 12-14 September, Niroo Research Institute, Tehran, Iran.
- [14] **S. Osfouri**, H. Ferasatzadeh, “*Investigation of confined medium on gust molecules in Reverse Micellar Extraction*”, The 3<sup>rd</sup> Conference of Separation Science and Engineering, 2-4 May, 2012, Zahedan, Iran.
- [15] R. Azin, **S. Osfouri**, E. Dianat, K. Heidari, “*Simulation of Condensate Stabilization Tower in Parsian Gas Refinery*”, The 3<sup>rd</sup> Conference of Separation Science and Engineering, 2-4 May, 2012, Zahedan, Iran.
- [16] S.M. Jafari Rad, R. Azin, **S. Osfouri**, R. Fatehi, “*Simulation of Natural Convection in Acid Gas Disposal into Aquifers*”, The 4<sup>th</sup> conference on applications of CFD in chemical and petroleum industries, 17 May 2012, Tehran, Iran.
- [17] **S. Osfouri**, R. Azin, R. Gholami, “*A New Thermodynamic model for prediction of hydrate formation conditions for CO<sub>2</sub> and natural gas in the presence of electrolytes and alcohols*”, The 14<sup>th</sup> Iranian Chemical Engineering Congress, 16-18 October 2012, Sharif University of Technology, Tehran, Iran.
- [18] **S. Osfouri**, R. Azin, S.M. Taghavian, 2012, “*A New NRTL-NRF Thermodynamic Model Based on Functional Groups*”, The 14<sup>th</sup> Iranian Chemical Engineering Congress, 16-18 October 2012, Sharif University of Technology, Tehran, Iran.
- [19] H. Mahmoudjanloo, A.A. Izadpanah, **S. Osfouri**, “*Modeling of Vapor-Liquid Phase Equilibrium for Systems: NFM-methaxylene and NFM-1, 3, 5-trimethylbenzene Using CPA EoS*”, The 14<sup>th</sup> Iranian National Congress on Chemical Engineering, 16-18 October 2012, Sharif University of Technology, Tehran, Iran.
- [20] H. Mahmoudjanloo, A.A. Izadpanah, **S. Osfouri**, “*Prediction of Thermodynamic Properties of Vapor-Liquid Equilibrium of Binary Systems: NFM-orthoxyline and NFM-benzene Using CPA EoS*”, The 1<sup>st</sup> International Conference of Oil, Gas, Petrochemical, and Power Plant, 19 June 2012, Tehran, Iran.
- [21] **S. Osfouri**, S. Mardaneh, R. Azin, A.A. Izadpanah, “*Utilization of Gas Hydrate Resources for Environmental Protection and Reduction of CO<sub>2</sub> Emission*”, The 2<sup>ed</sup> Gas Hydrate Conference, 15-16 May 2013, 15-16 May 2013, Semnan University, Semnan, Iran.
- [22] R. Chahshoori, R. Azin, M.H. Heidari Sureshjani, **S. Osfouri**, A. Lak, 2013, “*Modeling Wellhead Chokes and Calculating Well Flow Rate in a Gas-Condensate Field*”, The 1<sup>st</sup>

Petroleum Conference and Exhibition, 14-16 May 2013, Research Institute of Petroleum Industry, Tehran, Iran.

- [23] H.R. Amiri, R. Azin, R. Fatehi, **S. Osfouri**, “*Prediction of Acid Gas Water Content During Carbon Capture and Sequestration into Saline Aquifers*”, The 1<sup>st</sup> Petroleum Conference and Exhibition, 14-16 May 2013, Research Institute of Petroleum Industry, Tehran, Iran.
- [24] **S. Osfouri**, R. Azin, T. Tayebi, “*A New Thermodynamic Model for Phase Behavior of Protein Extraction using Reverse Micellar Nano-systems Based on Adsorption Theory and Equation of State*”, The 8<sup>th</sup> Iranian Biotechnology Congress, 12-13 July 2013, Tehran university, Tehran, Iran.
- [25] H.R. Amiri, R. Azin, R. Fatehi, **S. Osfouri**, “*Opportunities, Challenges and Ranking of Iran in Carbon Capture and Storage in Underground Formations for Environmental Protection*”, The 1<sup>st</sup> Environment, Energy and Clean Industry Conference and Exhibition, 2-4 December 2013, Tehran University, Tehran, Iran.
- [26] **S. Osfouri**, S. Mardaneh, R. Azin, A.A. Izadpanah, “*Calculation of CO<sub>2</sub> Solubility in NaCl using Electrolyte Equation of State for reducing CO<sub>2</sub> Emissions in Atmosphere*”, The 1<sup>st</sup> Environment, Energy and Clean Industry Conference and Exhibition, 2-4 December 2013, Tehran University, Tehran, Iran.
- [27] M. Nategh, **S. Osfouri**, R. Azin, “*Production, Characterization and Investigation of Silica Nano-particle Effect on Gas diffusion Coefficient in Miscible CO<sub>2</sub> Injection*”, The 2<sup>ed</sup> National Conference of Nanotechnology: From Theory to Application, 20 February 2014, Esfahan, Iran.
- [28] R. Saboori, R. Azin, **S. Osfouri**, A. Bahramian, “*A Review on Wettability Alteration of Gas Condensate Reservoirs using Nanoparticles*”, The 1<sup>st</sup> Conference on Nanotechnology in Oil, Gas and Petrochemical Industries, 14 May 2014, Persian Gulf University, Bushehr, Iran.
- [29] **S. Osfouri**, Z. Rezaei, “*A New Thermodynamic Model for Prediction of Critical Concentration of Micellar Nanostructure Formation*”, The 1<sup>st</sup> Conference on Nanotechnology in Oil, Gas and Petrochemical Industries, 14 May 2014, Persian Gulf University, Bushehr, Iran.
- [30] N. Mehrabi, M. Asgari, Y. Gholami, **S. Osfouri**, R. Azin, 2014, “*Strategies for Carbon Capture and Sequestration (CCS) Roadmap*”, The 1<sup>st</sup> Underground Oil & Gas Conference and Exhibition, 20-21 May 2014, Tehran University, Tehran, Iran.
- [31] M. Kiani Zakheradi, S.F. Mousavi, **S. Osfouri**, R. Azin, “*Determination of Optimum Sampling Condition of Gas-condensate Reservoir Based on Statistical Method of Assumption and Experiment*”, The 1<sup>st</sup> National Conference on Oil and Gas Field Development, 28-29 January 2015, Sharif University of Technology, Tehran, Iran.
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- [33] F. Sadeghi, R. Azin, R. Fatehi, **S. Osfouri**, S. Gerami, M.H. Heidari Sureshjani, “*Production Data Analysis of an Iranian Gas Condensate Reservoir*”, The 1<sup>st</sup> National Conference on Oil and Gas Fields Development, 28-29 January 2015, Sharif University of Technology, Tehran, Iran.

- [34] M. Kiani Zakheradi, S.F. Mousavi, **S. Osfouri**, R. Azin, “*Selection of Optimized Strategy for Characterization of Gas Condensate Fluid*”, The 15<sup>th</sup> Iranian National Congress of Chemical Engineering, 17-19 February 2105, Tehran University, Tehran, Iran.
- [35] **S. Osfouri**, R. Azin, M. Kiani Zakheradi, S.A. Mousavi Dehghani, “*Thermodynamic Simulation of Compositional Grading in a Super-Giant Gas Condensate Reservoir*”, The 15<sup>th</sup> Iranian National Congress of Chemical Engineering, 17-19 February 2105, Tehran University, Tehran, Iran.
- [36] R. Gholami, **S. Osfouri**, R. Azin, M. Moshfeghian, “*Prediction of Hydrate Formation Conditions in Presence of Electrolyte and Alcohol Using Fluid Local Composition Concept*”, The 15<sup>th</sup> Iranian National Congress of Chemical Engineering, 17-19 February 2105, Tehran University, Tehran, Iran.
- [37] R. Azin, **S. Osfouri**, S.M. Jafari Rad, H. Delshab, E. Frouzani, “*Study of Flaring Condition in Assalouyeh Area with Practical Recommendations for Reduction of Flaring*”, The 15<sup>th</sup> Iranian National Congress of Chemical Engineering, 17-19 February 2105, Tehran University, Tehran, Iran.
- [38] S.A. Jafari, M.S. Farid, **S. Osfouri**, S. Cheraghi, A. Maryamabadi, “*Chitin Purification from Shrimp Shell Waste Using Biological Method*”, The 1<sup>st</sup> International and The 9<sup>th</sup> National Biotechnology Congress of Islamic Republic of Iran, 24-26 May 2015, Shahid Beheshti University, Tehran, Iran.
- [39] M. Fardi, **S. Osfouri**, A. Mehrabani Zein Abad, “*Asphaltene precipitation modeling and simulation for an Iranian southern oil field*”, The 1st Biennial Persian Gulf Oil, Gas, and Petrochemistry Conference, 20 April 2016, Persian Gulf University, Iran.
- [40] M. T. Rezaee, **S. Osfouri**, M. R. Jazayeri Noush Abadi, R. Azin, “*Sensitivity Analysis of Recovery Factor Affecting Parameter in Low Salinity Water Injection*”, The 1st Biennial Persian Gulf Oil, Gas, and Petrochemistry Conference, 20 April 2016, Persian Gulf University, Iran.
- [41] F. Heidari, **S. Osfouri**, M. Abbasi, “*Gray water reuse: Investigation of separation and treatment methods for removal of pollution*”, The 4th Conference of Separation Science and Engineering, 24 & 25 May 2017, Babol Noshirvani University of Technology, Mazandaran, Iran.
- [42] Sh. Sadeghi, M. Abbasi, **S. Osfouri**, “*Assessment of Possibility of Using Various Ion Exchange Resins to Reduce Hardness and TDS in Potable Water to Prevent Corrosion and Scaling*”, The 4th Conference of Separation Science and Engineering, 24 & 25 May 2017, Babol Noshirvani University of Technology, Mazandaran, Iran.
- [43] A. Naghizadeh, R. Azin, **S. Osfouri**, R. Fatehi, “*Wettability alteration of carbonate rock types to mitigate condensate blockage in gas condensate reservoirs*”, The 4th national conference on oil, gas, petrochemical, and related industries, 16 & 17 October 2017, Shahid Bahonar University of Kerman, Kerman, Iran.