

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

- 1993-1998 Lecturer in, Mass Transfer, Thermodynamics (I, II), Numerical Methods, Engineering Mathematics, and Process Control 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 th National Persian Gulf Knowledge Award, Bushehr, Iran.
February 2015-...	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] Supervisor of thesis: *"Development of Simulation of Asphaltene Deposition in Production Wells"*, Seyed Abdollah Shojaei, 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 CO₂"*, 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 CO₂ 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 CO₂ Sequestration in Saline Aquifers"*, by Y. Gholami, Persian Gulf University, 2014.
- [21] Co-Supervisor of thesis entitled: *"Feasibility and simulation of CO₂ 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 Koochi, 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 CO₂ 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 CO₂ 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 CO₂ 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 CO₂ 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 CO₂ 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 CO₂ 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 CO₂-Saline Aquifer-Carbonate Rock Interaction During CO₂ 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 Sureshjani¹, 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*, (DOI: 10.22050/ijogst.2017.48299), In Press.
- [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 CO₂ 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, In Press.
- [39] A. Khorami, S. A. Jafari, M. Mohamadi-Baghmolaei¹, R. Azin, **S. Osfouri**, “*Density, Viscosity, Surface Tension and Excess Properties of DSO and Gas Condensate Mixtures*”, Appl. Petrochem. Res., 7, 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, In Press.
- [42] A. Hajizadeh, M. Mohamadi-Baghmolaei¹, R. Azin, **S. Osfouri**, I. Heydari, “*Technical and Economic Evaluation of Different Modes of Flare Gas Recovery in a Giant Gas Refinery*”, Chemical Engineering and Research Design, In Press.
- [43] H. Mohammaddoost, A. Azari, M. Ansarpour, **S. Osfouri**, “*Experimental investigation of CO₂ removal from N₂ 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, In Press.

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 CO₂ 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] R. Azin, Z. Sakhaei, **S. Osfouri**, “*Optimization of Empirical and Analytical Relative Permeability Models in Oil–Water System*”, Petroleum Research, Accepted for publication.
- [20] R. Ahmadi, **S. Osfouri**, R. Azin, “*Synthesis and Characterization of Nanoparticles from Cuttlebone (sepia pharaonis) of Persian Gulf*”, 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 15th 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 7th 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 7th 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 7th 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 7th 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 3rd 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 9th 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 4th National Congress of Biotechnology, 15-17 August 2005, Kerman, Iran.
- [10] **S. Osfouri**, P.L. Luisi, “*Stability and Reversibility of DNA Nano-compartmentation*”, The 3rd Iranian Conference of Novel Drug Delivery Systems, 20-21 June 2007, Tehran, Iran.
- [11] **S. Osfouri**, A.A. Izadpanah, H. Hosseinejad, “*Application of NRTL-NRF Activity Coefficient Model for Prediction of Hydrate Formation Conditions in the Presence of*

Electrolyte Solutions”, The 1st 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 6th International Chemical Engineering Congress & Exhibition, 16-20 November, 2009 Kish Island, Iran.
- [13] M. Mansourpour, R. Azin, **S. Osfouri**, "*Modified Correlations of Dewpoint Pressure and Gas Compressibility Factor for an Offshore Gas Condensate Reservoir*", The 1st 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 9th 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 9th International Chemical Engineering Congress & Exhibition, 26-28 December 2015, Shiraz, Iran.
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