

Curriculum- Vitae

Last Name: Azin
First Name: Reza
Date of Birth: August 17, 1974



Present Address:

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Department of Petroleum Engineering, Faculty of Oil, Gas, and Petrochemical
Engineering, Persian Gulf University, Bushehr 7516913798, I.R.Iran
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University Degrees

B.S. Degree in Chemical and Petroleum refining Engineering, from Petroleum
University of Technology, Abadan, Iran (1996), GPA. 16.94 / 20

M.S. Degree in Chemical Engineering from Shiraz University, 1998, GPA. 16.95 / 20

Ph-D Degree in Petroleum Engineering from Sharif University of Technology, 2007
(GPA: 17.68 /20)

Thesis

MS. Thesis: Modeling of the industrial furnaces using the Zone method; Supervisor:
Prof. Mahmood Moshfeghian

Ph-D thesis: Investigation of the VAPEX process in fractured carbonate reservoirs;
Supervisors: Dr. Riaz Kharrat; Prof. Cyrus Ghotbi

Ability to communicate with English-speaking foreigners:

Fluent in reading, writing, and speaking in English.

IELTS exam scored: 7 out of 9; date taken: Jan 3, 2002

Experiences

Educational Experiences

Undergraduate Courses

Undergraduate Courses

- Basic Reservoir Engineering I, Reservoir Engineering II, Rock Properties courses, Sharif University of Technology, 2007-8
- Basic Thermodynamics, Applied thermodynamics, Physical Chemistry, Principles of Petroleum Refining, Applied Numerical methods in Chemical Engineering, Engineering Mathematics, Plant Design and Economics for Chemical Engineers, Water and Waste Water Treatment, Technical English for Chemical Engineers, Basic Reservoir Engineering, Mass Transfer, Environmental Engineering, Principles of Petroleum Engineering, Persian Gulf University, 1998-present.
- Chemistry of Petroleum and Polymers, Laboratory for Chemistry of Petroleum and Polymers, Technical English for Chemical Engineering Students, Principles of measurement, Al – Zahra School of Technical and Professional Educations for 9 semesters (1998-2003)
- Computer Fundamentals and Application for Management and Accounting, Elementary Differential Equations, Mathematics, Programming with Fortran, Numerical Analysis, Payam- e- Noor University, Bushire section (2005-6)

Graduate Courses

- Advanced Reservoir Engineering (Master), Advanced Reactor Engineering (Master), Optimization of Chemical Processes (Master), Phase Behaviour of Hydrocarbons (Master), Naturally Fractured Reservoirs (Master), Advanced Reservoir Engineering (Master), Fluid Flow through Porous Media (Master), Special Topics in Petroleum Engineering (Master), Advanced Transport Phenomena (PhD), Persian Gulf University, 2007-present.

Research Experiences

- 1) Investigator of the Project: *Development of Intelligent Techniques for Predicting Gas Condensate Physical Properties and Application to CO₂*

- Injection into Gas Condensate Reservoirs*, Iran National Science Foundation (INSF), Contract No. 94000003, 2016
- 2) Investigator of the Project: *Technology Roadmap for Carbon Capture and Sequestration (CCS)*, Pars Special Economic Energy Zone (PSEEZ), Contract No. 76898, 2016
 - 3) Innovation Project: *Design of a Gas Properties Software*, Persian Gulf Science and Technology Park (PGSTP), Contract No. P/94/102984, 2016
 - 4) Innovation Project: *Synthesis of nanoparticle for wettability alteration of gas condensate reservoirs*, Persian Gulf Science and Technology Park (PGSTP), Contract No. P/94/102039, 2015
 - 5) 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
 - 6) Investigator of the Project: *Study of Geochemical Reactions of Acid Gas-Saline Aquifer Systems in Carbonated Formations*, 2013, funded by Bushehr Governor Department of Training and Research
 - 7) 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
 - 8) Co-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
 - 9) Investigator of the project: *Study of Acid Gas Solubility in formation water*, 2011, funded by Persian Gulf University in a joint program with National Elite Foundation, contract no. 19/1302
 - 10) Co-investigator of the project: *Design of a framework for corporate social responsibility in Oil, Gas, and Petrochemical Industries-Case Study: Pars Special Energy Economic Zone (PSEEZ)*, 2010, funded by Pars Special Energy Economic Zone (PSEEZ)
 - 11) Investigator of the project: *Underground Sour Gas Storage in a depleted Gas Reservoir*, 2010, funded by Persian Gulf University, contract no. 19/987
 - 12) Co-Investigator of the project: *Prediction of Crude Oil Density using Gaussian Process*, 2010, funded by Persian Gulf University, contract no. 19/263

- 13) Co-Investigator of the project: *Enhanced Oil Recovery through Application of Nano-Particles for wettability alteration of reservoir Rocks*, 2010, Research and Development office of National Iranian Oil Company (NIOC-R&D), Institute of Petroleum Engineering, University of Tehran
- 14) Investigator of the Project: *Feasibility Study of Acid Gas Disposal into Underground Reservoirs*, 2009, funded by Research and Development office of National Iranian Oil Company (NIOC-R&D)
- 15) Co-Investigator of the project: *Design and Work plan of Strategic Studies and Hi-tech technologies Research Institute*, 2009, funded by Bushehr Governor Department of Human Resource
- 16) Investigator of the Project: *Simulation study of Underground Gas Storage in a fractured gas reservoir*, 2009, funded by Persian Gulf University, contract no. 19/131
- 17) Investigator of the Project: *Prediction of Undersaturated Oil Density for Iranian Oil Fields*, 2008, funded by Research and Technology office of National Iranian Oil Company (NIOC-R&T), contract no. 81-87011
- 18) Investigator of the Project: *Simulation study of Underground Gas Storage in a depleting gas reservoir*, 2008, funded by Persian Gulf University
- 19) Co- Investigator of the project: *The investigation of Using Thermal Methods for Heavy Oil Recovery*, Petroleum University of Technology, funded by NIOC-R&D, 2002-2006
- 20) Investigator of the Project: *Design and Work plan of Persian Gulf Oil and Gas Research Institute*, 2006, Foroozan Research Group, Funded by Persian Gulf University
- 21) Investigator of the Project: *Feasibility Study of Base Oil Production Plant*, Darya Danesh Consulting Engineers, 2006
- 22) Investigator of the Project: *The Oil Industry in Bushire Province*, Darya Danesh Consulting Engineers, funded by IRIB, 2006
- 23) Investigator of the project: *Development of Auxiliary Industries in Bushehr Province with respect to Oil, Gas, and Petrochemical Development Plants in Pars Special Energy Economic Zone*, Darya Danesh Consulting Engineers, funded by Bushehr Management and Planning Organization, Bushehr, 2003-4
- 24) Investigator of the project: *Environmental Aspects of the Oil, Gas, and Petrochemical Development Plans in Bushehr Province*, Darya Danesh

- Consulting Engineers, funded by Bushehr Management and Planning Organization, Bushehr, 2003-4
- 25) Co- Investigator of the project: *Corresponding- states correlation for compressed liquid densities*, 2003, funded by Persian Gulf University
 - 26) Co- Investigator of the Project: *Small-Scale Petrochemical plants*, Persian Gulf University, funded by Bushehr Management and Planning Organization, 2001
 - 27) Co- Investigator of the project: *Desalination of Brackish Water using the carrier gas process*, 2002, funded by Persian Gulf University
 - 28) Investigator of the project: *Experimental study on the deodorization of shark liver oil*, 2001, funded by Persian Gulf University

Supervision of Industrial/Research Projects

- 1) Project: *Accredited Environment Laboratory using Portable Equipments for Air and Sound Pollution Measurements*, funded by Persian Gulf Research and Technology Park, 2013
- 2) Project: *Feasibility and experiments of water recovery from humid air in Coastal zones of Bushehr Province*, Funded by Bushehr Water Company, 2011
- 3) Project: *Bench-Scale study of Salt Production by Re crystallization Process using Drains of Desalination Plants at PSEEZ*, funded by Pars Special Economic Energy Zone (PSEEZ), 2009
- 4) Project: *Intelligent Fire Alarm and Extinguish system Based on Nano Technology*, funded by Persian Gulf Research and Technology Park, 2009
- 5) Project: *Feasibility Study of Gas Recycling in Naturally Fractured Gas Condensate Reservoirs-South Zagros*, funded by Iranian Central Oil Fields Company (ICOFC), 2008
- 6) Project: *Experimental Study of Gas Injection Effects on Rock and Fluid of Sarajeh Reservoir During Underground Gas Storage Process*, funded by Iranian Central Oil Fields Company (ICOFC), 2008

Postdoc

- 1) Zirrahi, Mohsen, Reza Azin, Shahriar Osfour, and Hassan Hassanzadeh, 2016, **Modeling and Synthesis and asphaltene inhibitors for production well and crude oil pipelines**, INSF, Grant number 94027618

PhD Thesis Contribution

- 1) **Investigation of Mass Transfer through Revaporization of Condensate into Gas Phase during Gas Injection**, Mohammad Mohammadi Baghmollaei, 2016
- 2) **Experimental Study of PPD's, Thermodynamic and Hydrodynamic Modeling of Wax Deposition in Oil and Stabilized Condensate Pipelines**, Mojtaba Mansourpour, Persian Gulf University, 2016
- 3) **Development of Simulation of Asphaltene Deposition in Production Wells**, Seyed Abdollah Shojaei, Persian Gulf University, 2015
- 4) **Wettability Alteration in Gas Condensate Reservoirs using Nanoparticles**, Rahmatollah Saboori, Persian Gulf University, 2015
- 5) **Modeling Development of Compositional Grading in Hydrocarbon Reservoirs**, Mahboobeh Kiani Zakheradi, Persian Gulf University, 2014

MSc/BSc Thesis Contribution

- 1) Supervisor of thesis entitled: **“Experimental study of the effects of nanoparticles on the efficiency of chemical demulsifiers”** by Ahmad Khorrani, Persian Gulf University, 2017
- 2) Supervisor of thesis entitled: **“Investigation of Effective Parameters Involving in Condensate Recovery Using Nanoparticles”** by Zahra Sakhaei, Persian Gulf University, 2017
- 3) Supervisor of thesis entitled: **“Investigating the various mechanisms of wettability alteration and dynamic spreading of nanofluids on solids”** by Mitra Abbaspour, Persian Gulf University, 2017
- 4) Supervisor of thesis entitled: **“Study the effect of compositional gradient on production data in the gas-condensate reservoirs”** by Fatemeh Torkashvand, Persian Gulf University, 2016

- 5) Advisor thesis entitled: **“Feasibility study of smart water (low salinity water) injection in one of Iranian oil reservoirs”** by Mohammad Taghi Rezaee, Persian Gulf University, 2016
- 6) Advisor of thesis entitled: **“Technical and Economic Evaluation of the South Pars Gas Transmission to Nearby Depleted Reservoir In Order To Manage Consumption”** by Shahin Rameshi, Petroleum University of Technology, 2016
- 7) Supervisor of thesis entitled: **“Investigation of the Optimum Strategy for Quality Control of PVT Data, Fluid Characterization and EOS Tuning for Gas Condensate Fluids”** by Seyyedeh Fatemeh Mousavi, Persian Gulf University, 2016
- 8) Supervisor of thesis entitled: **“Study of optimum production rate from a gas condensate reservoir”** by Hassan Sedaghati, Persian Gulf University, 2016
- 9) Supervisor of thesis entitled: **“Wettability Alteration in Oil Reservoir by Nanoparticles”** by Iman Amareh, , Persian Gulf University, 2016
- 10) Supervisor of thesis entitled: **“Numerical and Experimental Evaluation of CO₂ Sequestration in Saline Aquifers”** by Yasin Gholami, Persian Gulf University, 2014
- 11) Supervisor of thesis entitled: **“Feasibility and simulation of CO₂ gas sequestration and storage in saline aquifers”** by Masoud Asgari, Persian Gulf University, 2014
- 12) Supervisor of thesis entitled: **“An Investigation into Integrated Modeling of Hydraulic Fracture Initiation Process in a Wellbore Using Finite Elements Approach”** by Abbas Movassaq, Persian Gulf University, 2014
- 13) Supervisor of thesis entitled: **“Extension of the four-coefficient model for a gas condensate Reservoir in South of Iran”** by Amin Mohammad Rezaei, Persian Gulf University, 2014
- 14) Supervisor of thesis entitled: **“An investigation into Integrated Modeling of Hydraulic Fracture Initiation Process in a wellbore using Finite Element Approach”** by Abbas Movassaq, Persian Gulf University, 2014
- 15) Supervisor of thesis entitled: **“Modeling solubility of CO₂ in formation water by SAFT equation of State”** by Hassan Rezaei Haghghi, Persian Gulf University, 2014

- 16) Co-Supervisor of thesis entitled: “**Simulation and Optimization of Mercaptane Removal unit in South Pars Gas Complex (SPGC)-Phase 5**” by Mohammad Haqiqat Manesh, Tehran University, 2013
- 17) Supervisor of thesis entitled: “**Well Flow Modeling in Gas Condensate Reservoir**” by Mohammad Hossein Khosravi Boushehri, Leoben University of Austria, 2014
- 18) Supervisor of thesis entitled: “**Synthesis of nanoparticles using reverse micelle system for enhanced oil recovery application**” by Mahshid Nateq, Persian Gulf University, 2014
- 19) Supervisor of thesis entitled: “**Flow behavior of well and surface facilities in Gas Condensate Reservoirs**” by Robab Chahshoori, Persian Gulf University, 2013
- 20) Supervisor of thesis entitled: “**Production Data Analysis in Gas Condensate Reservoirs**” by Foroozan Sadeghi, Persian Gulf University, 2013
- 21) 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, 2013
- 22) Supervisor of thesis entitled: “**Simulation of acid gas injection into fractured aquifers**” by Hamid Reza Amiri, Persian Gulf University, 2013
- 23) Supervisor of thesis entitled: “**Modeling and Simulation of the VAPEX Process for Enhanced Oil Recovery**” by A. Khalegh Keshtgar, Semnan University, 2011
- 24) Supervisor of thesis entitled: “**Geochemical Reactions for Acid Gas/Formation Water System**” by Najmeh Mehrabi, Persian Gulf University, 2011
- 25) Supervisor of thesis entitled: “**Mathematical Modeling of Acid Gas Injection into Aquifer Reservoirs**” by S. Mostafa Jafari Raad, Persian Gulf University, 2011
- 26) 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, 2011
- 27) Supervisor of thesis entitled: “**Thermodynamic Modelling of Acid Gas Solubility in Aquifers**” by Zeinab Alizadeh, Persian Gulf University, 2010

- 28) Co-Supervisor of thesis entitled: “**Modelling and Simulation of Non-Darcy Flow During Underground Gas Storage in one of Iranian Depleted Reservoirs**” by Hamzeh Dehqan, Sharif University of Technology, 2010
- 29) Supervisor of thesis entitled: “**Design of Cement and Well Cementing for Underground Gas Storage Wells**” by Adib Shah Vali, Islamic Azad University, Omidiyeh Branch, 2011
- 30) Co-Supervisor of thesis entitled: “**Effect of Solvent Mixtures and Solvent Injection Rate on Vapour Extraction Process**” by Abdolkarim Hosseini-pour, University Technology Malaysia (UTM), 2011
- 31) Supervisor of thesis entitled: “**Simulation of Artificial Lift and Production Optimization for an Iranian Southwest Oil Field**” by Reza Heidari, Islamic Azad University, Omidiyeh Branch, 2011
- 32) Supervisor of thesis entitled: “**Simulation Study of Flare Gas Injection into a depleted oil reservoir**” by Saeid Hashempour, Islamic Azad University, Omidiyeh Branch, 2010
- 33) Supervisor of thesis entitled: “**Simulation Study of Acid Gas Injection into a depleted oil reservoir**” by Seyyed Mostafa Moravvej Al-e-Ali, Islamic Azad University, Omidiyeh Branch, 2010
- 34) Supervisor of thesis entitled: “**Application of Artificial Lift for increasing recovery factor in Dena Oil Field**” by Alikaram Kianizadeh, Islamic Azad University, Omidiyeh Branch, 2010
- 35) Supervisor of thesis entitled: “**Modeling selective hydrogen sulfide absorption using MDEA solution in a packed column**” by Morteza Afkhamipour, Persian Gulf University, 2009
- 36) Co-Supervisor of thesis entitled: “**Underground Gas Storage in a Depleted Fractured Gas Reservoir**” by Reza Malakuti, Petroleum University of Technology, 2009
- 37) Supervisor of thesis entitled: “**Thermodynamic Modelling and Experimental Study of Asphaltene Precipitation in Strategic Underground Petroleum Reservoirs**” by Mohammad Hossein Panahbar, Islamic Azad University, Omidiyeh Branch, 2009
- 38) Supervisor of thesis entitled: “**Modelling Wax Precipitation in Strategic Underground Petroleum Reservoirs**” by Niaz Neisani Samani, Islamic Azad University, Omidiyeh Branch, 2009

- 39) Supervisor of thesis entitled: “**Well test analysis in an underground gas storage reservoir**” by Davood Faravash, Islamic Azad University, Omidyeh Branch, 2009
- 40) Advisor of thesis entitled: “**Determination of Dispersion Coefficient in VAPEX Process Through Mathematical Modeling**” By Somayeh Goodarzi, Petroleum University of Technology, 2006
- 41) Advisor of thesis entitled: “**Experimental Study of VAPEX Process for Fractured Reservoirs**” By Ehsan Marzbanfard, Petroleum University of Technology, 2005
- 42) Advisor of thesis entitled: “**Investigation of the VAPEX Process in High-Pressure Fractured Reservoirs**” By Behzad Rostami, Petroleum University of Technology, 2005
- 43) Supervising about 25 BS Projects at Persian Gulf University, 1998-present

Professional Experiences

- Head of National Elites Foundation, Bushehr Province, November 2014-present
- Technical Secretary of the first Underground Oil & Gas Conference and Exhibition, Tehran University, 20-21 May 2014
- Executive Secretary of the first Conference on Nanotechnology in Oil, Gas and Petrochemical Industries, Persian Gulf University, Bushehr, Iran, 14 May 2014
- Member of the Gas Industry Council, University of applied science, 2012-2014
- Secretary of the 2nd National Persian Gulf Knowledge Award, Bushehr, Iran, 2012
- Secretary of the 2nd National Persian Gulf Knowledge Award, Bushehr, Iran, 2011
- Deputy of Technology and innovation at Persian Gulf Research and Technology Park, 2010-2012
- Secretary of the 1st National Persian Gulf Knowledge Award, Bushehr, Iran, 2010

- Member of research council at Pars Special Energy Economic Zone, 2009-present
- Member of Bushehr Science Road Map Project, 2009
- Member of Persian Gulf Science and Technology Park, 2009-present
- PGU Representative at research council of Bushehr Gas Company, 2008-present
- PGU Representative at PGU office of Technical-Scientific affairs, Pars Special Energy Economic Zone, 2007-9
- Member of Bushehr University of applied science and distinguished committee, 2007-present
- Tehran Energy Consultants, 2007-8 (Project: Underground Gas Storage)
- Daryadanesh Consulting Engineers, 2003 -2006
- Chair person of the Iranian Association of Chemical Engineering-Bushehr Branch, 2005 –present
- Member of the Persian Gulf University Research Council, 2002
- Member of the committee for Applied Research Projects, Bushehr Department of Managing and Planning, 2002
- Fajr Gas Refinery, Kangan, summer 1996, winter 2001
- Padena Consulting Engineers, 1997
- Kharg Petrochemical Complex, Kharg Island, summer 1995

Awards and Honors

- Visiting Professor at University Teknologi Malasia (UTM), 2011
- Young Assistant Professors' Grant of Iranian Elite Foundation, 2010
- Rank#1 for the Translation of the Book titled as" Applied Petroleum Reservoir Engineering" by Amirkabir University of Technology, Tehran, Iran, 2011
- Distinguished provincial researcher in Engineering, Bushehr Province, Iran, 2009
- Distinguished researcher at the School of Engineering, Persian Gulf University, 2009
- 1st PhD Graduate in Petroleum Engineering from Iranian Universities
- Partial Scholarship from British Council, Tehran Office, 2004

- Rank#2 in the Engineering section of the 4th Kharazmi Scientific Festival(youth section), for design, construction and experimental studies on a desalination pilot plant operating on the carrier gas process, 2002
- Distinguished researcher at the School of Engineering, Persian Gulf University, 2001

Patents/ Innovations

- 1) Glass cell for acid gas dissolution and measurement of gas diffusion in liquid, IR patent no. 85870, registered 9/6/2015, Islamic Republic of Iran
- 2) Formulation of a special fibered cement for underground gas storage wells, IR patent no. 72260, registered 4/11/2011, Islamic Republic of Iran

Workshops attended

- 1) New Trends in Managing Fractured Carbonates Reservoirs, by: Prof. Reza Fassihi, SPE-Iran Section, Tehran, Iran, 10-11 July, 2010
- 2) Marketing and Commercialization of Research, presented by: Dr. Kurosh Shirvani, Persian Gulf University, 2009
- 3) Reservoir Simulation of Fractured Carbonate Reservoirs, presented by: Dr. V. Haugse, NIOC, 2005
- 4) Integrated Surface/Sub-surface Modelling: Impact on Field Planning, Ed-Leung Case, presented by: Prof. K. Ghorayeb, NIOC, 2005
- 5) Geoframe Petrophysics course, Schlumberger, Tehran Office, 2002
- 6) Eclipse: Black Oil (E100), Compositional (E300), PVTi, Schlumberger, Tehran Office, 2003
- 7) Nano thermodynamics workshop, presented by Prof. G.A. Mansouri, Kashan University, 2002

Workshops Presented

- 1) **Writing Technical and Scientific Papers**, Pars Special Economic Energy Zone, Assaluyeh, Iran, August 2013
- 2) **Writing and Presenting Technical Documents**, Persian Gulf Science and Technology Park, Bushehr, Iran, May 2012
- 3) **Persian Gulf Oil Pollution**, Pars Special Economic Energy Zone, Assaluyeh, Iran, July 2009

Books

- 1) Goddard, John, 2011, *Connecting Universities to Regional Growth (EU Publication)*, translated by Reza Azin, Persian Gulf University, Iran (In Persian)
- 2) Azin, Reza, Reza Malakooti, Davoud Faravash, and Mohsen Zirrahi, 2013, *Underground Natural Gas Storage*, Raahe Novin, Iran (In Persian)
- 3) Azin, Reza, 2012, *The Vapor Extraction (VAPEX) Process in Heavy Oil Fractured Systems*, Lambert Academic Publishing (LAP), ISBN 978-3-659-30196-4, Germany
- 4) Translation of the Book: *Brockman, Max, What's Next? Dispatches on the future of Science*, 2012, Persian Gulf University (Into Persian)
- 5) Malakooti, Reza, and Reza Azin, 2012, *Simulation Study of Underground Gas Storage*, Lambert Academic Publishing (LAP), ISBN 978-8484-1091-0, Germany
- 6) Translation of the Book: *Griskey, R., Chemical Engineering Portable Handbook*, 2011, Nopardazan Publishing Co.(In Persian)
- 7) Azin, Reza, 2009, *Persian Gulf Oil Pollution*, Bushehr University of Medical Sciences (In Persian)
- 8) Translation of the Book: *Huff et al, Oil Spill in Mangroves (EPA)*, 2008, Bushehr University of Medical Sciences (In Persian)
- 9) Translation of the Book: *Craft and Hawking, Applied Petroleum Reservoir Engineering (2nd Edition)*, 2007, Sharif University of Technology Publishing (In Persian)
- 10) Translation of the Book: *Marine Oil Spill (EPA)*, 2008, Bushehr University of Medical Sciences (In Persian)

Journal Publications and Conference Presentations

a- Journal Publications

(a-1) Refereed English Language Journals:

1. Sakhei, Zahra, Mohamad Mohamadi-Baghmolaei, Reza Azin, Shahriar Osfour, 2017, *Study of production enhancement through wettability*

- alteration in a super-giant gas-condensate reservoir*, Journal of Molecular Liquids, vol. 233, pp. 64-74
2. Mohamadi-Baghmolaei, Mohamad, Reza Azin, Zahra Sakhei, Rezvan Mohamadi-Baghmolaei, and Shahriar Osfouri, 2016, *Novel method for estimation of gas/oil relative permeabilities*, Journal of Molecular Liquids, vol. 223, pp. 1185-1191
 3. Mohamadi-Baghmolaei, Mohamadi, Reza Azin, Zeinab Zarei, Shahriar Osfouri, 2016, *Presenting Decision Tree for Best Mixing Rules and Z-factor Correlations and Introducing Novel Correlation for Binary Mixtures*, petroleum, vol. 2, pp. 289-295
 4. Azin, Reza, Mohammad Mohammadi Baghmolaei, and Zahra Sakhaei, 2016, *Parametric analysis of diffusivity equation in oil reservoirs*, Journal of Petroleum Exploration and Production Technology (PEPT), Vol. 7, No. 1, pp. 169-179
 5. Osfouri, Shahriar, Reza Azin, 2016, *Overview of Challenges and Errors in Sampling and Recombination of Gas Condensate Fluids*, J. Oil, Gas and Petrochem Tech., Vol. 3, pp. 1-13
 6. Kiani Zakheradi, Mahboobeh, Shahriar Osfouri, Reza Azin, and Seyed Ail Mousavi Dehghani, 2016, *Impact of Fluid Characterization on Compositional Gradient in a Volatile Oil Reservoir*, Journal of Petroleum Exploration and Production Technology (PEPT), vol. 6, no. 4, pp. 835-844
 7. Heidari Sureshjani, Mohammad hossein, Reza Azin, Ahmad Lak, Shahriar Osfouri, Robab Chahshoori, Foroozan Sadeghi, Marziyeh Lali, and Shahab Gerami, 2016, *Production Data Analysis in a Gas-Condensate Field: Methodology, Challenges and Uncertainties*, Iranian Journal of Chemistry and Chemical engineering, vol. 35, No. 2, pp. 113-127
 8. Osfouri, Sh., Reza Azin, and Amin Mohammadrezaei, 2015, *A Modified Four-Coefficient Model for Plus Fraction Characterization of a Supergiant Gas Condensate Reservoir*, Gas Technology Journal, vol. 1, no. 1, pp. 4-12
 9. Mohamadi-Baghmolaei, Mohamadi, Reza Azin, Shahriar Osfuri, Rezvan Mohamadi-Baghmolaei, and Zeinab Zarei, 2015, *Prediction of*

- Gas Compressibility Factor Using Intelligent Models*, Natural Gas Industry B, vol. 2, pp. 283-294
10. Azin, Reza, Najmeh Mehrabi, Shahriar Osfouri, and Masoud Asgari, 2015, *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, vol. 15, pp. 407 – 412
 11. Azin, Reza, Najmeh Mehrabi, Shahriar Osfouri, and Masoud Asgari, 2015, *Experimental Study of CO₂ –Saline Aquifer-Carbonate Rock Interaction during CO₂ Sequestration*, Procedia Earth and Planetary Science, vol. 15, pp. 413 – 420
 12. Gholami, Yasin, Reza Azin, Rouhollah Fatehi, and Shahriar Osfouri, 2015, *Suggesting a numerical pressure-decay method for determining CO₂ diffusion coefficient in water*, Journal of Molecular Liquids, vol. 211, pp. 31-39
 13. Jafari Raad, Seyed Mostafa, Rooholla Fatehy, Reza Azin, Shahriar Osfouri, and Alireza Bahadori, 2015, *Linear perturbation analysis of density change caused by dissolution of carbon dioxide in saline aqueous phase*, Journal of Molecular Liquids, vol. 209, pp. 539-548
 14. Osfouri, Shahriar, Reza Azin, Reza Gholami, and Amir Abbas Izadpanah, 2015, *Modeling hydrate formation conditions in the presence of electrolytes and polar inhibitor solutions*, J. Chem. Thermodynamics, vol. 89, pp. 251–263
 15. Azin, Reza, Seyed Mostafa Jafari Raad, and Shahriar Osfouri, 2015, *Measurement of CO₂ diffusivity in synthetic and saline aquifer solutions at reservoir conditions: the role of ion interactions*, Heat and Mass Transfer Journal, vol. 51, No. 3, pp. 1587-1595
 16. Osfouri, Shahriar, Reza Azin, Reza Gholami, and Mahmoud Moshfeghian, 2015, *Wilson Non-Random Factor Reference State Base Model for Prediction of Gas Hydrate Formation Conditions in Presence of Electrolyte and/or Alcohol Solution*, Journal of Solution Chemistry, DOI 10.1007/s10953-015-0354-9
 17. Gholami, Yasin, Reza Azin, Rouhollah Fatehi, Shahriar Osfouri, and Alireza Bahadori, 2015, *Prediction of carbon dioxide dissolution in*

- bulk water under isothermal pressure decay at different boundary conditions*, Journal of Molecular Liquids, vol. 202, pp. 23-33
18. Azin, Reza, Masoud Asgari, Shahriar Osfouri, Rouhollah Fatehi, and Najmeh Mehrabi, 2014, *Geological Identification and Storage Capacity of Suitable Formation for CO₂ Disposal in Eastern Zagros (Fars area), Iran*, Environmental Studies of Persian Gulf (ESPG), vol. 2, no. 1, pp. 46-56
 19. Lak, Ahmad, Reza Azin, Shahriar Osfouri, Shahab Gerami, and Robab Chahshoori, 2014, *Choke Modeling and Flow Splitting in a Gas-Condensate Offshore Platform*, Journal of Natural Gas Science and Engineering, vol. 21, pp. 1163-1170
 20. Shahvali, Adib, Reza Azin, and Abbas Zamani, 2014, *Cement design for underground gas storage well completion*, Journal of Natural Gas Science and Engineering, vol. 18, pp. 149-154
 21. Azin, Reza, Ahmad Lak, Shahriar Osfouri, Robab Chahshoori, Mohammadhossein Heidari Sureshjani, and Shahab Gerami, 2014, *Integrated Analysis of choke performance and flow behaviour in high-rate, deviated gas-condensate wells*, Gas Processing Journal, vol. 2, No. 1, pp. 8-18
 22. Osfouri, Shahriar, Reza Azin, Mahboobeh Kiani Zakheradi, and Shahab Gerami, 2014, *A Unified Approach for Quality Control of Drilled Stem Test (DST) and PVT Data*, Gas Processing Journal, vol. 2, No. 1, pp. 40-50
 23. Osfouri, Shahriar, Reza Azin, and Ehsan Pakdaman, 2014, *Dynamics of Water State in Nanoconfined Environment*, Journal of the Taiwan Institute of Chemical Engineers, vol. 45 (2014) pp. 828–832
 24. Azin, Reza, Seyed Mostafa Jafari Raad, Shahriar Osfouri, and Rooholla Fatehy, 2013, *Onset of Instability in CO₂ Sequestration into Saline Aquifer: Scaling Relationship and the Effect of Perturbed Boundary*, Heat and Mass Transfer Journal, vol. 49, pp. 1603-1612
 25. Azin, Reza, Mohammad Mahmoody, Seyed Mostafa Jafari Raad, and Shahriar Osfouri, 2013, *Measurement and modeling of CO₂ diffusion*

- coefficient in Saline Aquifer at Reservoir Conditions*, Central European Journal of Engineering, vol. 3, No. 4, pp. 585-594
26. Azin, Reza, Reza Malakooti, Abbas Helalizadeh and Mohsen Zirrahi, 2014, *Investigation of Underground Sour Gas Storage in a Depleted Gas Reservoir*, Oil & Gas Sci. Tech., vol. 69, No. 7, pp. 1227-1236
 27. Rostami, Habib, Reza Azin, and Reza Dianat, 2013, *Prediction of Undersaturated Crude Oil Density Using Gaussian Process Regression*, J. Pet. Sci. Tech., 31: 4, 418-427
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 32. Mohammadi, Mohsen, Mahdi Akbari, Zahra Fakhroueian, Alireza Bahramian, Reza Azin, and Sharareh Arya, 2011, *Inhibition of Asphaltene Precipitation by TiO₂, SiO₂ and ZrO₂ Nanofluids*, Energy and Fuels, 3150–3156
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 42. Eslami, Hossein, and Reza Azin, 2004, *Corresponding-States Correlation for Compressed Liquid Density of Mixtures*, Fluid Phase Equilibria, vol. 226, pp. 103-107
 43. Hashemifard, S. A., and Reza Azin, 2004, *New Experimental Aspects of the Carrier Gas Process(CGP)*, Desalination, Vol. 164, Issue 2, pp. 125-133

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(a-2) Refereed Persian Language Journals:

1. Sakhaei, Zahra, Reza Azin, and Shahriar Osfouri, 2016, *Optimization of empirical and analytical relative permeability models for two-phase oil-water systems*, Petroleum Research Journal, accepted
2. Azin, Reza, Iman Amareh, Rahmatollah Saboori, and Shahriar Osfouri, 2015, *Application of nanoparticles in wettability alteration of oil reservoirs*, Nano World Journal, vol. 11, no. 39, pp. 21-26 (abstract in English)
3. Azin, Reza, Robab Chahshoori, Shahriar Osfouri, Ahmad Lak, Shahab Gerami, and Mohammad Hossein Heidari Sureshjani, 2016, *Evaluation of pressure drop empirical correlations in production wells of a gas condensate field*, Petroleum Research Journal, vol. 25, No. 85-2, pp. 160-171 (abstract in English)
4. Rezaei, Z., Sh. Osfouri, and Reza Azin, 2013 *Review of thermodynamic models for predicting critical micellar concentration (CMC)*, Nano World Journal, vol. 9, no. 33, pp. 5-11 (abstract in English)
5. Nategh, M., Sh. Osfouri, and Reza Azin, 2013, *Nanoparticle synthesis using reverse micellar systems*, Nano World Journal, vol. 9, no. 32, pp. 37-41 (abstract in English)
6. Mardaneh, Samira, Shahryar Osfouri, Reza Azin, and A. Abbas Izadpanah, *Study of CO₂ Hydrate Formation Process in Saline aquifers*, IChEJ, in press (abstract in English)
7. Sadeghi, Foroozan, Reza Azin, Shahryar Osfouri, and Mohammadhossein Heidari Sureshjani 2014, *Production Data Analysis in Hydrocarbon Reservoirs: A Review Study*, IChEJ, vol. 13, No. 75, pp. 4-14 (abstract in English)
8. Jafari Raad, S. M., R. Azin, Sh. Osfoury, and R. Fatehi, 2014, *Simulation of natural convection in Acid Gas disposal in saline*

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9. Kianizadeh, A., R. Azin, and F. Shoaiefard, 2013, ***Optimum Selection of Artificial Lift in one of Offshore Oil Fields Located in Persian Gulf***, IChEJ, Vol. 11, No. 64, pp. 65-74, 2013 (abstract in English)
 10. Afkhamipour, M., R. Azin, and Sh. Osfouri, 2012, ***Modeling selective hydrogen sulfide absorption using MDEA solution in a packed column***, NSMSI, vol. 31, No. 2, pp. 27-39 (abstract in English)
 11. Nategh, M., Sh. Osfouri, and Reza Azin, ***Applications of Nanotechnology in Oil Production and Enhanced Oil Recovery***, Nano World Journal, Vol. 7, No. 25, pp. 67-71, Winter 2012 (abstract in English)
 12. Salimi, Gh., R. Azin, A. Pakizeh, and O. Mahdiyeh, ***Towards a knowledge Management approach in the engineering Educational Settings: Technical & Engineering College of Persian Gulf University as Case study***, Iran Engineering Education Journal, vol.45, No. 1, pp. 105-126, 2010 (abstract in English)
 13. Zirahi, Mohsen, Reza Azin, ***Phase Behaviour Study of Flue Gas Injection into an Oil reservoir***, IChEJ, Vol. 8 (EOR special issue), No. 43, pp. 32-45, 2009 (abstract in English)
 14. Azin, R., ***Storage of Natural Gas in Depleted Underground Oil and Gas Reservoirs***, IChEJ, Vol. 8, No. 40, pp. 45-52, 2009 (abstract in English)
 15. Abbasian, A. H., Gh. Salimi, and R. Azin, ***Evaluation of Engineering Training: survey the effectiveness of resistant welding training Course based on Kirkpatrick model, Irankhodro Co as a case study***, Iran Engineering Education Journal, vol. 10, No. 39, pp. 37-62, 2008
 16. Foruzan, S. E., H. Mohebbimanesh, and R. Azin, ***A review on different technologies of treating underground water resources contaminated with oxygenated compounds MTBE and TBA***, Farayandno, vol. 2, Issue 11, pp. 7-15, Nov.-Dec. 2007
 17. Azin, R., R. Kharrat, and B. Rostami, 2007, ***Investigation of the VAPEX Process in Heavy Oil Systems***, NSMSI, vol. 24, Issue 3, pp. 113-121, 2007(abstract in English)

18. Azin, R. and R. Kharrat, 2005, *Upgrading and Refining of Heavy Oil*, IChEJ, Vol. 4, No. 16, pp. 12-19(abstract in English)
19. Azin, R., 2005, *Challenges in Heavy Oil Production*, Exploration and Production Journal, No. 22, pp. 31-33
20. Azin, R. and R. Kharrat, 2005, *Heavy Oil: the Important Energy Resource for 21st Century*, IChEJ, Vol. 4, No. 15, pp. 66-72(abstract in English)
21. Azin, R., A. M. Sanati, and M. M. Mohammadi, 2002, *Total Lipids and nutritionally important fatty acids of livers and tissues of some sharks in Persian Gulf waters*, Amir Kabir Jour., vol. 13, no. 4(serial no. 49), pp. 106-115 (abstract in English)
22. Azin, R., N. Purjam, 2001, *Pharmaceutical properties and physico – chemical characteristics of marine oils*, Tebb – e – Janoub Jour., vol. 4, no. 1, Sept.

b- Conference Presentations

(b-1) Refereed English Language Proceedings:

1. Zahra Sakhaei, Reza Azin, Shahriar Osfouri, 2016, *Assessment of empirical/theoretical relative permeability correlations for gas-oil/condensate systems*, presented at 1st Biennial Conference on Persian Gulf Oil, Gas and Petrochemistry, 20 April, Bushehr, Iran
2. Mohamadi-Baghmolaei, Mohamad, Ahmad Azari, Reza Azin, Ahmad Khorami, 2016, *Numerical Investigation on the Applicability of Silica/Water Nanofluids in Porous Medium for EOR Enhancement*, presented at 1st Biennial Conference on Persian Gulf Oil, Gas and Petrochemistry, 20 April, Bushehr, Iran
3. Jafari Raad, Seyed Mostafa, Reza Azin, and Shahriar Osfouri, 2015, *Investigation of ion interactions effect on the diffusivity of CO₂ into saline aquifers*, CScHE 2015 Conference and Exhibition, October 4th - 7th, Calgary, Canada
4. Mohamadi-Baghmolaei, Mohamad, Reza Azin, Shahriar Osfouri, and Zeinab Zarei, 2015, *Finding proper combination of mixing rules and empirical correlations for predicting gas condensate Z-factor*,

- presented at 9th International Chemical Engineering Congress & Exhibition (IChEC 2015), Shiraz, 26-28 Dec., Iran
5. Yazdani, Saeedeh, Reza Azin, Shahriar Osfouri , and Yasin Gholami, 2015, *A New Interpretation of Non-Fickian Transport Equation for Modeling Gas Diffusion in Heavy Oil*, presented at 9th International Chemical Engineering Congress & Exhibition (IChEC 2015), Shiraz, 26-28 Dec., Iran
 6. Saboori, R., R. Azin, I. Amareh, Sh. Osfouri, A. Bahramian, and S. Sabbaghi, 2015, *Wettability Alteration of Carbonate Cores by Alumina-Nanofluid*, presented at 9th International Chemical Engineering Congress & Exhibition (IChEC 2015), Shiraz, 26-28 Dec., Iran
 7. Mousavi, Seyedeh Fatemeh, Shahriar Osfouri, and Reza Azin, 2015, *A New Approach for Modification of Constant Volume Depletion Data of Gas Condensate Fluids*, presented at 9th International Chemical Engineering Congress & Exhibition (IChEC 2015), Shiraz, 26-28 Dec., Iran
 8. Azin, R., 2015, , presented at 9th International Chemical Engineering Congress & Exhibition (IChEC 2015), Shiraz, 26-28 Dec., Iran
 9. Osfouri, Sh., M. Nategh, R. Azin, and S. M. Jafari Raad, 2014, *The effect of silica nanoparticles on gas diffusion rate in CO2 miscible injection method*, presented at 5th International Congress on Nanoscience and Nanotechnology, Tarbiat Modares University, Tehran, Iran, 22-24 October
 10. Khosraviboushehri, Mohammad Hossein, Reza Azin, Abbas Roohi, 2014, *Choke Flow Modelling for a Gas Condensate Reservoir*, presented at 3rd International Conference on Integrated PETroleum Engineering and Geoscience (ICIPEG 2014), Universiti Teknologi Petronas, KL, Malasia, 3-5 June
 11. Taghizadeh Sarvestani, M., M. Heidari Sureshjani, S. Gerami, and R. Azin, 2014, *Some Remarks on Production Data Analysis in Layered Gas Reservoirs*, presented at the 8th International Chemical Engineering Congress & Exhibition (IChEC 2014), Kish, Iran, 24-27 February, 2014

12. Heidari Sureshjani, M., R. Azin, and S. Gerami, 2014, *A Roadmap for Production Data Analysis in an Iranian Offshore Gas-Condensate Field*, presented at the 8th International Chemical Engineering Congress & Exhibition (IChEC 2014), Kish, Iran, 24-27 February, 2014
13. Zirrahi, Mohsen, Reza Azin, and Reza Malakooti, 2011, *Prediction of Minimum Miscibility Pressure for Carbon Capture and Sequestration and Acid Gas Disposal Applications*, presented at the 7th International Chemical Engineering Congress & Exhibition (IChEC 2011) Kish, Iran, 21-24 November
14. Hosseini Pour, A., R. Azin, and M. Yunan, 2011, *Comprehensive Study to Determine Optimum Solvent Composition for VAPEX In a Heavy Oil Reservoir*, SPE 144270, presented at the SPE Enhanced Oil Recovery Conference, Kuala Lumpur, Malaysia, 19–21 July
15. Ben Helal, Emad, Reza Azin, and S. Mostafa Jafari Raad, 2011, *Techno-economical and environmental study of utilizing alternative fuel and waste heat reuse in a cement plant*, presented at the 8th Iran's International Energy Congress, 24-25 May, Tehran, Iran
16. Jahandideh, M., Roayaei, E., M. Zirrahi, and R. Azin, 2010, *Carbon Capture and Storage into Subsurface Reservoirs*, presented at the 14th int'l oil, gas, and petrochemical congress, Tehran, Iran, 15-16 Jun
17. Azin, Reza, Abdolmajid Mosleh, 2010, *Corporate Social Responsibility Related to Oil, Gas and Petrochemical Industry- Case Study: Assaluyeh, Iran*, SPE 125533, presented at the SPE International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production held in Rio de Janeiro, Brazil, 12–14 April
18. Azin, Reza, Hossein Eslami, Alireza Shah Karami, and Ghaffar Keshavarz, 2009, *Corresponding-States Correlation for the Prediction of Crude Oil Densities*, presented at the 24th European Symposium on Applied Thermodynamics, esat-2009, June 27-July 1, 2009, Santiago De Compostela, Spain
19. Azin, Reza, Nasiri, Amir, Jodeyri Entezari, Ali, and Montazeri, Gholam Hossein, 2008, *Investigation of Underground Gas Storage in*

- a Partially Depleted Gas Reservoir*, SPE 113588, presented at the CIPC/SPE Gas Technology Symposium 2008 Joint Conference held in Calgary, Alberta, Canada, 16–19 June
20. Azin, Reza, Kharrat, Riyaz, Ghotbi, Cyrus, and Vossoughi, Shapour, 2006, *Role of Fracture Network on the Performance of the VAPEX Process in Low-Permeability Heavy Oil Systems*, paper 12179, Presented at the 11th national Iranian Chemical Engineering Congress (IChEC11), Tehran, Nov. 28-30
 21. Rostami, B., Azin, R., and Kharrat, R., 2005, *Investigation of the VAPEX Process in High Pressure Fractured Heavy Oil Reservoirs*, SPE 97766, presented at the SPE International Thermal Operations and Heavy Oil Symposium, Calgary, Alberta, Canada, 1–3 November
 22. Azin, R., R. Kharrat, C. Ghotbi, and S. Vossoughi, 2005, *Applicability of the VAPEX Process to Iranian Heavy Oil Reservoirs*, SPE 92720, presented at the 14th SPE Middle East Oil and Gas Show and Conference, Bahrain, 12-15 March
 23. Kharrat, R., S. Vossoughi, R. Azin, and S. Razzaghi, 2004, *Investigation of Enhanced Oil Recovery methods for Iranian Heavy Oil Reservoirs*, Presented at the 1st seminar on evaluation of research projects, NIOC R&D and SPE Iran Section, Oct. 12-13, Tehran, Iran
 24. Hashemifard, S. Al., and Reza Azin, 2003, *New Experimental Aspects of Carrier Gas Process*, Presented at the International Workshop on Marine Pollution and the Impact of Seawater Desalination Plants on the Coastal Environment (INOC-INBA), 1-3 December, ICBA, Dubai, UAE
 25. Mohammadi, A., Reza Azin, 2002, *Thermodynamic Properties of Propane(R290) using the PR, BWR, and MBWR EOS*, the 6th Iranian Conference on Physical Chemistry, Persian Gulf University

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1. Sedaghati, H., R. Azin, R. Fatehi, and Sh. Osfouri, 2015, *Feasibility of using Different Models for Predicting Well Flow Performance in Gas Condensate Reservoirs*, presented at the 3rd national congress of Oil, Gas and related industries, Kerman, October, Iran

2. Mehrabi, N., M. Asgari, R. Azin and Sh. Osfouri, 2014, ***Strategies for Carbon Capture and Sequestration (CCS) Roadmap***, presented at the first Underground Oil & Gas Conference and Exhibition, Tehran University, 20-21 May
3. Lak, Ahmad, R. Azin and A. Bahramian, 2014, ***Simulation of Injection and Withdrawal Facilities for Underground Gas Storage***, presented at the first Underground Oil & Gas Conference and Exhibition, Tehran University, 20-21 May
4. Saboori, R.A., R. Azin, Sh. Osfoury and A. Bahramian, 2014, ***A Review on Wettability Alteration of Gas Condensate Reservoirs using Nanoparticles***, presented at the first Conference on Nanotechnology in Oil, Gas and Petrochemical Industries, Persian Gulf University, Bushehr, Iran, 14 May
5. Amiri, H. R., R. Azin, R. Fatehi and Sh. Osfoury, 2013, ***Opportunities, Challenges and Ranking of Iran in Carbon Capture and Storage in Underground Formations for Environmental Protection***, presented at the first Environment, Energy and Clean Industry Conference and Exhibition, University of Tehran, Iran, Dec.
6. Osfoury, Sh., S. Mardaneh, R. Azin, and A.A. Izadpanah, 2013, ***Calculation of CO₂ Solubility in NaCl using Electrolyte Equation of State for reducing CO₂ Emissions in Atmosphere***, presented at the first Environment, Energy and Clean Industry Conference and Exhibition, University of Tehran, Iran, Dec.
7. Osfouri, Shahriar, Reza Azin, Tuba Tayebi, 2013, ***A New Thermodynamic Model for Phase Behavior of Protein Extraction using Reverse Micellar Nano-systems Based on Adsorption Theory and Equation of State***, Presented at the 8th Iranian Biotechnology Congress, Tehran university, Tehran, Iran, 12-13 July
8. Osfoury, Sh., A.A. Izadpanah, S. Mardaneh and R. Azin, 2013, ***Utilization of Gas hydrate resources for environmental protection and reduction of CO₂ Emission***, Presented at the second gas hydrate conference, Semnan University, Semnan, Iran, 15-16 May
9. Chahshoori, R., R. Azin, M.H. Heidari Sureshjani, Sh. Osfoury and Ahmad Lak, 2013, ***Modeling wellhead chokes and calculating well flow rate in a***

- gas-condensate field*, Presented at the second gas hydrate conference, Semnan University, Semnan, Iran, 15-16 May
10. Amiri, H. R., R. Azin, R. Fatehi and Sh. Osfoury, 2013, *Prediction of acid gas water content during carbon capture and sequestration into saline aquifers*, presented at the first Petroleum Conference and Exhibition, Tehran, Iran, 14-16 May
 11. Osfoury, Sh., R. Azin, and R. Gholami, 2012, *A new Thermodynamic model for prediction of hydrate formation conditions for CO₂ and natural gas in the presence of electrolytes and alcohols*, presented at the 14th Iranian Chemical Engineering Congress, Sharif University of Technology, Tehran, Iran, 15-17 October
 12. Osfoury, Sh., R. Azin, and S. M. Taghavian, 2012, *A new Thermodynamic model based on functional groups*, presented at the 14th Iranian Chemical Engineering Congress, Sharif University of Technology, Tehran, Iran, 15-17 October
 13. Jafari Raad, S. M., R. Azin, Sh. Osfoury, and R. Fatehi, 2012, *Simulation of natural convection in acid gas disposal into aquifers*, presented at the 4th conference on applications of CFD in chemical and petroleum industries, Tehran, Iran, 17 May
 14. Azin, R., Sh. Osfoury, E. Dianat, and K. Heidari, 2012, *Simulation of Condensate Stabilization Tower in Parsian Gas Refinery*, presented at the 3rd separation conference, Zahedan, Iran, 3-5 May
 15. Azin, Reza and Reza Malakooti, 2012, *Investigation of the opportunities and challenges of underground storage of sour gas from South Pars Gas field*, presented at the 3rd National conference on Sustainable, Integrated, Knowledge-based development of Pars Special Energy Economic Zone (PSEEZ), Assaluyeh, Iran, 22-23 February
 16. Azin, Reza and Davood Faravash, 2011, *The Role of Underground Storage in the Natural Gas Supply Chain*, presented in the 1st conference on Hydrocarbon Storage, Shahrood, Iran, October
 17. Azin, Reza and Davood Faravash, 2011, *Evaluation of Skin Factor and Non-Darcy Effects in Underground Gas Storage Reservoirs*, presented in the 1st conference on Hydrocarbon Storage, Shahrood, Iran, October

18. Azin, Reza, A. Mosleh, A. Ahmadi, and Sh. Osfouri, 2011, *Acid Gas Management in Pars Special Energy Economic Zone (PSEEZ)*, presented at the 2nd National conference on Sustainable, Integrated, Knowledge-based development of Pars Special Energy Economic Zone (PSEEZ), Assaluyeh, Iran, 7-8 March
19. Roayaei, E., M. Saeid, M. Jahandideh, M. Saboormaleki, A. Balazadeh, M. Minaei, and Reza Azin, 2010, *Environmental Regulations and Investigation of Acid Gas Disposal Techniques in South Pars Area*, presented at the 1st National conference on Sustainable, Integrated, Knowledge-based development of Pars Special Energy Economic Zone (PSEEZ), Assaluyeh, Iran, 16-18 Jan.
20. Azin, Reza, 2010, *Persian Gulf Oil pollution related to Oil and Gas Industry*, presented at the 1st National conference on Sustainable, Integrated, Knowledge-based development of Pars Special Energy Economic Zone (PSEEZ), Assaluyeh, Iran, 16-18 Jan.
21. Salimi, Ghasem, Reza Azin, and Shahab Kaske, 2009, *Quality Evaluation in University: Application of Internal Evaluation in University Development Planning*, presented at the National Seminar of Higher Education Supervision and Evaluation, Shahid Beheshti University, Tehran, Iran, 25th of March
22. Azin, Reza and Abdolmajid Mosleh, 2008, *A comparison of Development in Oil and Gas Provinces: Case Study in Bushehr Province*, presented at the Petroleum, Development and Democracy Conference, Tehran, Dec. 13-14
23. Azin, Reza, Riyaz Kharrat, and Behzad Rostami, 2005, *Effect of Solubility and Diffusivity of Solvent in Heavy oil on the Performance of the VAPEX Process as an Enhanced Oil Recovery Process*, paper OP11-41, presented at the 10th national Iranian Chemical Engineering Congress (ICHEC10), Zahedan, Nov. 15-17
24. Marzbanfard, E., Riyaz Kharrat, and Reza Azin, 2005, *Experimental Studies of the VAPEX Process in Fractured Reservoirs*, paper OP11-949, presented at the 10th national Iranian Chemical Engineering Congress (ICHEC10), Zahedan, Nov. 15-17
25. Azin, R., A. M. Mosleh, and M. Yousefi, 2005, *Design of the Bushire Province Oil, Gas, and Petrochemical Incubator*, presented at the Bushire Province Knowledge-based Development Conference, Bushire, 27-28 April

26. Azin, R., H. Bahrami, 2002, *Modelling the Performance of Gas Turbines*, the 7th Iranian Congress of Chemical Engineering, University of Tehran (IChEC7), Oct. 27-30
27. Azin, R., A. M. Sanati, and M. M. Mohammadi, 2002, *The properties and applications of marine oils*, the 1st national conference on sea and medicine, Bushehr University of medical sciences, Jan. 30-Feb. 1
28. Azin, R., A. M. Sanati, and M. M. Mohammadi, 2001, *Investigation of Pharmaceutical Properties of Lipids and fatty acids of livers and tissues of Persian Gulf sharks*, the 1st national conference on food and nutrition in Bushire Province, Nov. 13-14
29. Azin, R., M. Moshfeghian, 1999, *Geothermal Energy: Problems and Methods*, Second Iranian Energy Congress, Tehran, May (abstract in English)

Computer Knowledge

- Quite familiar with Reservoir Engineering and well flow modeling Soft wares, including Eclipse (Compositional and Black oil modules), Geoquest Package (Eclipse 100-300, PVTi), CMG Package (IMEX, GEM, Builder, Winprop), PIPESIM
- Familiar with chemical engineering soft wares, including PRO II, ASPEN PLUS, HYSYS
- Familiar with MATLAB and FEMLAB mathematics softwares
- Familiar with Microsoft Windows operating system
- Expert in Microsoft Office package, including Power Point, Excel, and MS – Word

Special Interests

- Thermodynamics of Hydrocarbon Systems
- Thermodynamics of Electrolyte Systems
- Reservoir Engineering and Simulation
- Underground Gas Storage
- EOR for heavy oil fields
- Acid Gas/Green House Gas Disposal
- Environmental studies, air, marine and water pollution

- Water desalination processes
- Regional studies on the development
- Corporate Social Responsibility
- Sustainable Development