

Curriculum Vitae



1-Personal Information

Name :Salah Salman Ibrahim
Affiliation : University of Technology- Chemical Eng. Dep.
E-mail 80079@uotechnology.edu.iq
salah_salman73@yahoo.com
Date of Birth :1973
Place of Birth :Baghdad
Nationality :Iraq
Marital Status :Married

2-Scientific Rank

Asst. Prof.

3-Research Interests

- Fluid and Multiphase flow
- Separation Processes and Transport Phenomena and its application (distillation columns and membrane)

4-Education

Date	Discipline	Degree	Institution	Thesis Title
1997	Chemical Engineering	B.Sc.	University of Technology	
2000	Chemical Engineering	M.Sc.	University of Technology	An investigation of convective heat transfer coefficient in slug flow regime
2007	Chemical Engineering	PhD	University of Technology	Rate-Based Model In Bubble-Cup Batch Distillation Column

5- Management Posts

- The Director of the Division of Graduate Studies, Graduate, 2012 to 2015
- Deputy Head of Chemical Engineering Department, 2015-2017

6-Academic Experience

1-Undergraduate Level

- Lecturer of Fluid Flow Course
- Supervisor of tens of Graduated Projects
- Scientific Supervisor of Practical Fluid flow Lab.
- Instructor in Laboratories
 - Fluid flow,
 - Petroleum refinery,

- Unit Operation,
- Programming (Visual basic and MATLAB),
- Process control.

2-Postgraduate Level

- Chemical Engineering Thermodynamics (MSc & PhD)
- Instructor in Postgraduate Laboratories
 - Computer Application in Numerical Analysis (MSc)
 - Computer Applications in Petroleum Refineries and Gas Technology (H-Diploma)

7-Employment History

- Employee in **Al-MAZD** co. for selection and marketing of industrial equipment / Engineering marketing branch, / Water treatment sec. 2001 -2002

8- License/Certification

- Iraqi Engineering Association, 1997
- Certificate of participated in the International Visitor Leadership Program, on Building an Energy Industries Workforce, United States Department of State, Bureau of Educational and Cultural Affairs, (3-Weeks) 2015

9-Skills and Qualifications (Language and computer)

- Arabic (mother language)
- English (writing & reading)
- Mathematical modeling using MATLAB, Microsoft Excel
- MS Office Applications (Word, Excel, Outlook, PowerPoint)

10-Publications

Published

- Neran K.Ibrahim, Thamer J.Mohammed, **Salah S. Ibrahim**, “An Investigation of Convective Heat Transfer in Slug Flow Regime”. The 1st Scientific Conference for Chemical Engineering. and Petroleum Engineering, (2000), Tikrit University.
- Nada B. Nakkash, Neran K. Ibrahim, **Salah S. Ibrahim**, *Rate-Based Model In Bubble-Cup Batch Distillation Column*, Eng. & Tech. Journal ,Vol.27, No.14,2009
- Nada B. Al-Nakash, Neran K. Ibrahim, **Salah S. Ibrahim**, Zaidoon M. Shakoor, *Comparison between Equilibrium Model and Rate-Based Model for Simulation of Batch Zeotropic Distillation*, Eng. & Tech. Journal ,Vol.27, No. 16, 2009
- **Salah S. Ibrahim** and Qusay F. Alsahy, *Modeling and Simulation for Direct Contact Membrane Distillation in Hollow Fiber Modules*, AIChE Journal February 2013 Vol. 59, No. 2, 589-603.
- Qusay F. Alsahy, Khalid T. Rashid, **Salah S. Ibrahim**, Abdulsattar H. Ghanim, Bart Van der Bruggen, Patricia Luis, Mumtaz Zablouk, *Poly(vinylidene fluoride-co-hexafluoropropylene) (PVDF-co-HFP) hollow fiber membranes prepared from PVDF-co-HFP/PEG-600Mw/DMAC solution for membrane distillation*, Journal of Applied Polymer science, 129 (2013) 3304-3313.
- **Salah S. Ibrahim**, *Theoretical Study of the Effective Parameters for Direct Contact Membrane Distillation in Hollow Fiber Modules*, Eng. &Tech. Journal, Vol. 32,Part (A), No.12, 2014.

- Qusay F. Alsahy, **Salah S. Ibrahim**, Samraa Refat AlKurwi, *Seawater desalination by vacuum membrane distillation (VMD)*, The 2nd Arab Water Conference and Exhibition 27-29 May 2014.
- Qusay F. Alsahy, **Salah S. Ibrahim**, Samraa Refat AlKurwi, *Performance of vacuum poly(propylene) membrane distillation (VMD) for saline water desalination*, Chemical Engineering & Processing: Process Intensification 120 (2017) 68–80.
- Qusay F. Alsahy, **Salah S. Ibrahim**, Fatima A. Hashim, *Experimental and theoretical investigation of air gap membrane distillation process for water desalination*, Chemical Engineering Research and Design, 130 (2018) 95–108.
- **Salah S. Ibrahim**, Noor A. Mohammed Ameen, *Desalination of Highly Saline Water Using Direct Contact Membrane Distillation (DCMD)*, Chemical Engineering Research and Design, Al-Khwarizmi Eng. Journal, Vol.14, No.2, 116-122, (2018)
- Dalia M. Al-Ani, Faris H. Al-Ani, Qusay F. Alsahy, **Salah S. Ibrahim**, Preparation and characterization of ultrafiltration membranes from PPSU-PES polymer blend for dye removal, Chemical Engineering Communications, Published online: 04 Nov 2019.

11-Conferences and Training

- The first Scientific Conf. For Chem. Eng. and Petroleum Eng, (2000), Iraq University of Tikreet
- The 2nd Arab Water Conference and Exhibition 27-29 May 2014, Qatar
- Methods in Academic Education, University of Technology.
- Computer course, University of Technology.
- The 2nd conference of Chemical Engineering / Iraqi Engineering Association, 2017

12- Postgraduate Supervise

- **Master Degree Supervisor for Chemical Engineering Student, (Samraa R. Khaleel), Dissertation:** Sea water desalination by using vacuum membrane distillation (VMD). (2014)
- **Master Degree Supervisor for Chemical Engineering Student, (Fatima A. Hashim), Dissertation:** Water desalination using Air Gap membrane distillation (AGMD). (2015)
- **Master Degree Supervisor for Chemical Engineering Student, (Nawras N. Safe), Dissertation:** Sweep Gas Membrane Distillation (SGMD) for Desalination using Hydrophobic Membrane. (2016)
- **Master Degree Supervisor for Chemical Engineering Student, (Noor A. Mohammed), Dissertation:** Saline Water Desalination using Direct Contact Membrane Distillation. (2017)
- **Master Degree Supervisor for Chemical Engineering Student, (Saif S. Husain), Dissertation:** Desalting Highly Saline Oilfield Produced Water Using Membrane Distillation. (2018)
- **PhD Degree Supervisor for Chemical Engineering Student, (Afraa H. Kamil), Thesis:** A Hybrid Forward Osmosis-Membrane Distillation System Modelling Simulation and Thermodynamic Approach for Saline Water Desalination. (2018)
- **PhD Degree Supervisor for Chemical Engineering Student, (Nada Mahdi), Thesis:** Separation Process using Pervaporation Technique Experimental, Modeling and Simulation Study for Purification of Azeotropic Mixture. (2019)