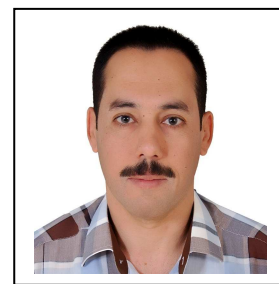


# Curriculum Vitae



## Personal Information

Name : **Dr. Khalid Farhod Chasib Al-Jiboury**

Present Affiliation : **Oil & Gas Engineering Department  
College of Engineering  
University of Thi Qar**

Previous Affiliation : **Chemical Engineering Department  
Oil & Gas Refinery Engineering Branch  
University of Technology**

Date of Birth : **9/11/1971**

Place of Birth : **Baghdad / Iraq**

Nationality : **Iraqi**

Marital Status : **Married**

Email : *khalid\_farhod@ utq.edu.iq*

## Scientific Rank

**Associate Professor**

## Research Interests

- **Thermodynamics – Phase Equilibrium**
  - **Vapor – Liquid Equilibrium**
  - **Liquid – Liquid Equilibrium**
  - **Solid – Liquid Equilibrium**
- **Application of Ionic Liquids in Membrane Separation Processes**

## Education

(List your academic background, including undergraduate and graduate institutions attended)

Date	Discipline	Degree	Institution	Thesis Title
1993	Chemical Engineering	B. Sc.	Al-Nahrain University	Crude Oil Distillation Unit
1996	Chemical Engineering / Reactor Control	M. Sc.	Al-Nahrain University	Optimum Control of a Chemical Reactor
2002	Chemical Engineering / Vapor – Liquid Equilibrium	Ph. D.	Al-Nahrain University	Vapor-Liquid Equilibrium of Ternary Systems Involving Experimental and Theoretical Correlations Using Cubic Equation of State

## Employment History

(Including experience, institution, and data)

- A signed contract with Ministry of Oil in 2000-2002. According to this contract database analysis and design for many Petrochemical projects has been designed using Access software and the design and analysis for many chemical plants has been done using Design II and ChemCAD software.
- A signed contract with Ministry of Industry and Minerals in 1999-2002. According to this contract many projects has been studied, designed, installed and maintenance like Sodium Hydroxide (Caustic Soda) plant and synthetic Alcohol plant and Softener water unit and Electroplating unit.

## License/Certification

Organization	Role	Member Since
American Chemical Society	Member	2012
Iraqi Engineers Union	Consultative	1993
Arab Engineers Union	Member	2013

## Skills and Qualifications (Language and computer)

Skill	Level	Years Practiced	Last Used
Microsoft office	Very good	15	2015
C, Pascal, Fortran & Visual .Basic languages	Very good	10	2015
MATLAB, MathCAD, Statistica	Very good	10	2015
Design II, ChemCAD	good	8	2014

## **Academic Experience**

### **Undergraduate Level**

- **Laboratory External Administrator (1994-1996) / Chemical Engineering Department / Al-Nahrain University.**
- **Lecturer (1996-1998) / Chemical Engineering Department / Al-Nahrain University teaching the subject Process Control.**
- **Lecturer (1996-2001) / Chemical Engineering Department / Al-Nahrain University teaching the subject Chemical Reactor Design.**
- **Lecturer (2000-2001) / Chemical Engineering Department / University of Technology teaching the subject Computer Application in the Design of Chemical Plants.**
- **Lecturer (1999-2002) / Chemical Engineering Department / Al-Nahrain University teaching the subject Vapor – Liquid Equilibrium (Thermodynamic).**
- **Lecturer (2001-2002) / Training and Development Institute teaching the subject Heterogeneous Reactions and influence of Catalyst in the Design of Catalytic Reactors.**
- **Lecturer (2005-2006) / Chemical Engineering Department / University of Technology teaching the subject storage and transportation of Petroleum product.**
- **Lecturer (2006-2008) / Chemical Engineering Department / University of Technology teaching the subject Vapor – Liquid Equilibrium (Thermodynamic).**
- **Lecturer (2008-2011) / Chemical Engineering Department / University of Technology teaching the subject Industrial management.**
- **Lecturer (2011-2015) / Chemical Engineering Department / University of Technology teaching the subject Computer programming.**
- **Lecturer (2015-2016) / Oil and Gas Engineering Department / College of Engineering / University of Thi Qar teaching the subject Thermodynamic – Second Class.**
- **Lecturer (2015-2016) / Oil and Gas Engineering Department / College of Engineering / University of Thi Qar teaching the subject Chemistry – First Class.**

## Supervision

- **Thesis for M.Sc.**
- *Isobaric vapor-liquid Equilibria of Gasoline additive systems at 101.3 kPa*
- *Phase Equilibria for Extraction of Phenolic Pollutants from Industrial Wastewater using Liquid Membrane Technique*
- *Prediction of the behavior for polymer blends using thermodynamic model*

## Books

- "Vapor-Liquid Equilibrium of Ternary Systems", *LAP LAMBERT Academic Publishing GmbH & Co. KG, 2011, ISBN 978-3-8383-6903-7*
- "Gasoline Additives (Gasoline Oxygenates)", *LAP LAMBERT Academic Publishing GmbH & Co. KG, 2012, ISBN 978-3-659-16039-4*
- "Extraction of Phenolic Pollutants from Industrial Wastewater", *LAP LAMBERT Academic Publishing GmbH & Co. KG, 2015, ISBN 978-3-659-80631-5*

## Scientific Reviewing in Scientific Journals

### Editorial Board

- American Association for Science and Technology (AASCIT).
- American Journal of Chemical Engineering Science Publishing Group.
- International Journal of Engineering and Applied Sciences (EAAS).
- Open Journal of Chemical Engineering and Science (OJCES), Scientific Online Publishing.

### Peer Reviewer

- Journal of Hazardous Materials - Elsevier B.V.
- Scientia Iranica – Elsevier B.V.
- University of Technology - Engineering and Technology Journal
- University of Baghdad - Al-Khwarizmi Engineering Journal

## Research

### Under publication

- Vapor – liquid equilibrium ratios (K-values) of Iraqi Crude Oil – Natural Gas system.
- Extraction of Kerogen from Oil Shale using Mixed Reversible Ionic Liquids

### Accepted Manuscripts

- Extraction of Phenolic Pollutants from Industrial Wastewater using Bulk Ionic Liquid Membranes Technique

### Published

- 1- Fuzzy logic Controller of a Chemical Reactor
- 2- New modified mixing rules for isobaric Vapor – Liquid Equilibrium (VLE) of binary and Ternary System containing 1-propanol – Hexane – Benzene using Cubic Equation of State
- 3- Correlation for fitting multicomponent vapor-liquid Equilibria data and prediction of Azeotropic behavior
- 4- Effect of sintering temperature and soaking time on the physical and dielectric properties of BaTiO<sub>3</sub> for different Ba/Ti ratio's
- 5- Effect of polar component (1-propanol) on the relative volatility of the binary system n- Hexane – Benzene
- 6- Extraction of phenol from industrial water using different solvents.
- 7- Study the Adsorption Phenomena of Phenol from Industrial Wastewater using Commercial Powdered Activated Carbon by using Isotherm Models
- 8- Isobaric Vapor - Liquid Equilibria of Gasoline Additives Systems At 101.3 kPa.
- 9- Developed Correlations for Prediction of the Enthalpies of Saturated Vapor – Liquid Coexisting Phases.
- 10- Extraction of Monocyclic Aromatic Hydrocarbons from Petroleum Products Using Sulfolane as Industrial Solvent
- 11- New Correlation When Fitting Data of ASTM Distillation Curves.
- 12- Extraction of High Purity Aromatic from Catalytic Reformates Using Sulfolane and Tetraethylene Glycol as Industrial Solvents.
- 13- Extraction of Tetrahydrofurfuryl Alcohol from Aqueous Solution Using Cyclic Solvent (C6 Ring-Containing Organic Solvent) As Industrial Solvent.

**14- The Effect of Heat and Mass Transfer on the Corrosion of Iron in Water Containing Sodium Chloride.**

**15- Extraction of Phenolic Pollutants (Phenol and p-Chlorophenol) from Industrial Wastewater.**

**16- Study the effect of adding co-solvent (n-alkoxyethanol) to Sulfolane on the Toluene extraction.**

**17- Modified NRTL equation in predicting liquid – liquid equilibria.**

### Conferences and Training

<b>Conference</b>	<b>place</b>	<b>Date</b>
<b>Jordan International Electrical and Electronic Engineering Conference (JIEEE'98)</b>	<b>Amman-Jordan</b>	<b>1998</b>
<b>Jordan International Chemical Engineering Conference V (JICE05)</b>	<b>Amman-Jordan</b>	<b>2005</b>
<b>First Scientific Conference on Modern Technologies in Oil &amp; Gas Refining</b>	<b>University of Technology - Iraq</b>	<b>2011</b>
<b>The First Iraq Oil and Gas Conference</b>	<b>Basra - Iraq</b>	<b>2011</b>
<b>The Fifth Scientific Conference for University of Wassit</b>	<b>University of Wassit - Iraq</b>	<b>2011</b>
<b>International Conference on Iraqi Oil Studies</b>	<b>University of Baghdad - Iraq</b>	<b>2011</b>
<b>The Sixth Jordan International Chemical Engineering Conference</b>	<b>Amman-Jordan</b>	<b>2012</b>
<b>Second Scientific Conference on Modern Technologies in Oil Refining</b>	<b>University of Technology - Iraq</b>	<b>2013</b>
<b>International Conference on Environmental Science and Technology</b>	<b>Nevsehir - Turkey</b>	<b>2013</b>
<b>Second Middle East Process Engineering Conference &amp; Exhibition (MEPEC 2013)</b>	<b>Bahrain International Exhibition &amp; Convention Center - Kingdom of Bahrain</b>	<b>2013</b>
<b>Symposium on integration between the oil industry and petrochemical industries</b>	<b>University of Technology - Iraq</b>	<b>2014</b>

<b>Conference</b>	<b>place</b>	<b>Date</b>
<b>Symposium Recent trends for planning the quality of university scientific method in accordance with the needs of the labor market and to improve the quality of scientific output</b>	<b>University of Technology - Iraq</b>	<b>2014</b>
<b>Symposium on future prospects for the development of the oil industry in Iraq</b>	<b>University of Technology - Iraq</b>	<b>2015</b>
<b>Symposium to assess the path of the scientific research plan for the company Midland Refineries and strengthened with the academic side</b>	<b>University of Technology - Iraq</b>	<b>2015</b>
<b>First Scientific Conference of Postgraduate Researches in Chemical Engineering</b>	<b>University of Technology - Iraq</b>	<b>2015</b>