

Curriculum Vitae



1-Personal Information

Name :Safa Aldin Abdullah Ali AlNaimi
Affiliation :University of Technology-Chem Eng. Dept.
(Included Phone and Email) alnaimi545@yahoo.com
Date of Birth : 1954
Place of Birth : Baghdad - Iraq
Nationality : Iraqi
Marital Status : Married

2-Scientific Rank **Professor**

3-Research Interests

- Process Control
- Computer Application in Chemical Engineering
- Numerical and Engineering Analysis in Chemical Engineering

4-Education

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

Date	Discipline	Degree	Institution	Thesis Title
1976	Chem. Eng.	BSc	Univ. of Baghdad-Eng.College	
1980	Chem. Eng.	MSc	Univ. of Wales-College of Swansea	Optimum Control of a Batch Reactor
1986	Chem. Eng.	PhD	Univ. of Wales-College of Swansea	On-line control of a Distillation Column

5-Postdoctoral Training (if available)

6-Management Posts (if available)

(List in chronological order, included position details and dates)

7-Grants and Fellowships (if available)

8-Subjects Taught

1-Undergraduate Level

- Process Control
- Mathematics
- Eng. Statistics
- Mass Transfer
- Plant Design
- Separation Processes
- Computer Application in Chemical Engineering

2-Postgraduate Level

- Process Control
- Numerical Analysis
- Non-linear Mathematics
- Control Instruments and Processes

9-Employment History (if available)

(Including experience, institution, and data)

10-License/Certification (if available)

11-Honors and Distinctions (if available)

- University of Technology Honor Model-2008

12-Skills and Qualifications (Language and computer)

- English Language Coarse- Imperial School –London-UK - 1978

13-Postgraduate Supervision

1-MSc Thesis

- 1- Effect of System Parameters on Extraction Unit-1988.
- 2- Optimum Control of a Multi -Component Distillation Column- 1989.
- 3- Dynamic Heat Transfer of a Packed Column-1990.
- 4- Prediction of Latent Heat of Vaporization-1992.
- 5- Optimum Control of a Chemical Reactor- 1993.
- 6- Effect of Interaction on the Closed-loop System of Multi-Component Distillation Column-1994.
- 7- Fuzzy Logic Control of a Distillation Column-1995.
- 8- Dynamic Behavior of a Cold Trap-1996.
- 9- Optimum Control of a complete plant-1997.
- 10- Fuzzy Logic Control a Chemical Reactor -1998.
- 11- Production of PVB-1999.
- 12- Production of Glucose by a Biochemical Method-2000.
- 13- Production of PVF-2001.
- 14- Multi-variable Control of a Heat Exchanger -2002.
- 15- Improved chemicals instead of cyanide in electrochemical industry-2000
- 16- Fault Detection and Diagnoses Of a Chemical Plant Using Neural Network- 2003.
- 17- Study of Performance of Liquid Propellant and Determination of Optimum Condition for Complete Combustion-2003.
- 18- Multi-Variable Control of FCC Unit -2006

2- PhD Thesis

- 1- On-line Control of a Batch Reactor-1993.
- 2- Optimum Control of a Distillation Column-1995.
- 3- On-line Control of a Continuous Reactor-1999.
- 4- System Parameter Study of a Bubble Column Reactor-2000.
- 5- Prediction of Software Language in Chemical Eng. Calculations Using C++-2001.
- 6- Extraction of Iron from Iron Ore-2002.
- 7- Mathematical Model of Mass Transfer in Chemical Absorption Column-2002.
- 8- A Pilot System for Evaluation of Hot Ash Corrosion Inhibition in Oil-Fired Boiler-2003.
- 9- Dynamic and Simulation of Azeotropic and Extractive Batch Distillation Column.-2004.
- 10- Enhancing Performance of Trickle Bed Reactor by Periodic Operation: Experimental Study and Modeling.-2007
- 11- Extraction of Heavy Metals by Biosorption.-2008

2-Research Published

- 1- Accurate Model of Dynamic and Control of a Distillation Column, Distillation and Absorption Conference, Brighton 1987.
- 2- Computer Aided Design for Vapor Liquid Eqm., Eng and Tech.J. 1988.
- 3- Flow of Solid Particles through Different Orifices. Eng Tech.J. 1989.
- 4- Optimum Control of a Plate Type Exchanger. Eng. Tech.J. 1990.
- 5- Optimum Control a Multi Component Distillations, The Engineer, 1991.
- 6- The Effect of Random Noise on the Closed-Loop of a Distillation Column, Eng and Tech. 1991.
- 7- Dynamic Behavior of a Packed-Bed I. Chem. Eng Conference-Jordan, 1992.
- 8- Dynamic Behavior of a Packed-Bed II. Eng. And Tech.J.1993.
- 9- Effect of Interaction on the Closed Loop of a Distillation Column.

- Chem. Eng. Conference. Jordan. 1996.
- 10- Fuzzy Logic Control of a Multi-Component Distillation Column. 2nd. Iraqi Technology Conference, 1996.
 - 11- Dynamic Behavior of a Cold Trap. 3rd. Iraqi Technical Conf., 1997.
 - 12- On-line Control of a Batch Reactor I Eng. And Tech.J. 1997.12-
 - 13- Separation of Gases By Desublimation System. 3rd. Iraqi Tech. Conf. 1997.
 - 14- Fault Detection and Diagnoses of a Flash Drum Using Neural Network, Eng. And Tech.J.1999.
 - 15- Fault Detection and Diagnoses of a Complete Plant Using Neural Network, Eng. And Tech.J. 1999.
 - 16- Production of PVF, Chem. Eng Conf., Univ. of Tikrit 2000.
 - 17- Production of PVB, Eng. And Tech.J. 2002.
 - 18- Fuzzy Logic Controller of a Chem. Reactor, Eng. and Tech.J. 2000.
 - 19- On-line Control of CSTR., Eng and Tech.J. 2000.
 - 20- System Parameter Study of Bubble Column Reactor, Chem. Eng Conf., Univ. of Tikrit 2001.
 - 21- Extraction of Iron from Iron Ore, and Tech.J. 2002.
 - 22- Multi -Variable Control of a Heat Exchanger, Intern. Conf. of Chem. Eng., Jordan 2002.
 - 23- Mathematical Model of Mass Transfer in Chem. Absorption Column, Eng. And Tech.J. 2002.
 - 24- The Diffusivity of NaCl Solution in Water, Hadhramout Univ J , 2006.
 - 25- Multivariable Control Of FCC Unit, Int. Eng. Conference , Amman, Jordan, 2005
 - 26- Dynamic Simulation Of Batch Azeotropic Distillation , Eng. And Tech. J , 2006
 - 27- Mathematical Modeling of Multi-component Batch Extractive Distillation, Eng. and Technology J, 2007
 - 28- Flow Control System Using Fuzzy-Logic ,To be Published
 - 29- Extraction of Heavy Metals by Bio-sorption, To be Published
 - 30- The Inhibitive Action of Magnesium Hydroxide On Hot Ash Corrosion of Stainless Steel In a Kerosene Fired Furnace , First Eng. Scientific Conference, Diyala Univ., 2010

15-Conferences and Training (if available)

- **Distillation and Absorption – UK -1987**
- **Jordanian Chem. Eng. Conference -1992**

- **Jordanian second conference of Chem. Eng.-1996**
- **University of Tech. Conference-1996**
- **Third conf. of the Univ. of Tech. –Baghdad-1997**
- **Tikret University Conference-2000**
- **Tikret Univ. second Conference 2001**
- **Chem. Eng. Conf. –Jordan-2002**
- **Chem. Eng. Conf. – Jordan - 2005**
- **Diyala Univ._Eng. Conference-2010**