

## CURRICULUM VITAE

### PERSONAL DETAILS

Name Amer Ali S. Jawad  
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### ACADEMIC QUALIFICATIONS

Degree : B.Sc. in Chemical Engineering  
Year : 1987  
Name and place of institution : University of Technology, Baghdad, Iraq.

Degree : M.Sc. in Chemical Engineering  
Year : 1999  
Name and place of institution : University of Technology of Malaysia, Johor Bahru,  
Malaysia

Degree : Ph.D. in Chemical Engineering  
Year : 2004  
Name and place of institution : University of Technology of Malaysia, Johor Bahru,  
Malaysia

Degree : High Diploma in AutoCAD Drafting and Design  
Year : 2010  
Name and place of institution : Vancouver Central College, Vancouver, Canada

## **OTHER PROFESSIONAL COURSES COMPLETED**

Field	Intensification of Research in Priority Areas (IRPA) Mechanism and Evaluation Process
Year	Universiti Teknologi Malaysia, Johor (April, 2000)
Filed	GC and HPLC Analysis Systems
Year	Terengganu Advanced Technical Institute (Dec., 2001)
Field	Dynamic Modeling and Simulation of Chemical Processes
Year	Universiti Malaya, Kuala Lumpur (Oct., 2003)
Field	Teaching and Learning Workshops
Year	Curtin University of Technology, Miri, Sarawak, Malaysia (Feb. 2006)

## **CAREER HISTORY**

Sep. 2011 to present	<b>Assis. Prof.</b>	Teaching chemical engineering courses in Dhofar University, Salalah, Oman Chair of the College Scientific Research Committee
Nov. 2007 to Aug. 2011	<b>Process Engineer</b>	Preparing sulfuric acid flow sheets, equipment sizing, and technical studies in NORAM Engineering and Constructors Ltd. Suite 1800-200 Granville Street, Vancouver, BC, V6C 1S4
April 2004 to Feb. 2007	<b>Senior Lecturer</b>	Teaching chemical engineering subjects for 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> year in Curtin University of Technology, Miri, Sarawak, Malaysia.
Oct. 2001 to April 2004	<b>Lecturer</b>	Teaching chemical engineering subjects for 3 <sup>rd</sup> , 4 <sup>th</sup> and 5 <sup>th</sup> year in Terengganu Advanced Technical Institute, Terengganu, Malaysia.
Feb. 2000 to Feb. 2004	<b>Ph.D Study</b>	Full time research on (Solvent Extraction of Essential Oils From Plants Using Microwave Technique)/ Chemical Engineering Pilot Plant, Faculty of Chemical and Natural Resources Engineering, UTM, Johor, Malaysia.
Nov. 1997 to Nov. 1999	<b>M.Sc. Study</b>	Full time research on (Hydrogen Absorption and Desorption Characteristics of Ferro Titanium Manganese Alloy as Hydrogen Storage Media Using New Metal Hydride Test System)/ Membrane Research Unit, Faculty of Chemical and Natural Resources Engineering, UTM, Kuala Lumpur, Malaysia.
Aug.1995 to Sep.1996	<b>Production Manager</b>	Conduct the entire production plans/ Arch Company (Medical & Industrial Alcohol), Baghdad, Iraq.

Apr. 1991 to Aug. 1995	<b>Chemical Processes Designer</b>	Responsible for material and heat balance calculations, preparing of PFD (Process Flow Diagram) and PID (Piping and Instruments Diagram) for different chemical engineering plants, supervising equipment fabrication, plant construction and start up operation/ Al-Natheer Bureau (general trading and contracting), Iraq.
Sep. 1987 to Apr. 1991	<b>Production Engineer</b>	Supervise the plant production/ Al-Rasheed Factory for vegetable oil refinery, Baghdad, Iraq.

### **PROFESSIONAL MEMBERSHIP**

Member, Engineers Australia, MIEAust

Member, IChemE

Member, Iraqi Engineers Union

### **RESEARCH EXPERIENCE**

Title	:	Fuel Cell
From	:	1997
To	:	2000
Position held	:	Research Officer
Major output	:	Papers in National and International Conferences
Title	:	Essential Oil Extraction Using Microwave Technique
From	:	2000
To	:	2003
Position held	:	Research Officer
Major output	:	Papers in National and International Conferences
Title	:	Biodiesel Production
From	:	2006
To	:	2008
Position held	:	Leader
Major output	:	Papers in National and International Conferences

## **TEACHING ACTIVITIES**

Undergrad. Level Courses	Reaction Engineering Process Control Process Principles Fuel Cell Thermodynamics Process Plant Engineering Design Project Research Project Mass Transfer Fluid Mechanics Computational Methods
Undergrad. Level Research	Supervise Final Year Research Projects
M.Sc. Course	Chemical Processes (Integrated Process Plant Management Scheme)
Professional Short Course	Heat Exchanger in Industry

## **SKILLS**

I have got experience in conducting research work.  
I have got experience in electrical plating, ethyl alcohol production, detergent production and vegetable oil refinery.  
I have got experience in chemical plants design.  
I have got experience in teaching chemical engineering subjects.  
I have got experience in chemical plants operation.  
I have got excellent hands-on working experience in systems modifications, maintenance and solve problems at the site.  
Good command of English, written and spoken.  
Ability to work independently.

## **COMPUTER KNOWLEDGE**

Word, Excel, Power Point, Matlab, Hysys, Aspen Plus, Autocad, Revit Architecture, Inventor

## **AWARDS**

Student's Choice Award as a Best Lecturer in Chemical Engineering Department for year 2006

## **MAJOR PUBLICATIONS**

- 1 - Serena Ti Wei Mei *and Amer Ali*. **Production of Biodiesel From Palm Oil**. Presented at Curtin University of Technology Sarawak Engineering Conference (CUTSE), Miri, Malaysia, 27-28 November 2007
- 2 - *Amer Ali* and Ai Mian. **Biodiesel Fuel from Palm Oil: Preliminary Yield Study**. Presented at the 2<sup>nd</sup> International Conference on Chemical and Bioprocess Engineering (SOMChE/ICCBPE 2005), Sabah, Malaysia, 8-10 December 2006
- 3 - *Amer Ali*, Rosli Mohd Yunus and Ramlan abd Aziz. **Microwave-Assisted Extraction of Essential Oil from Eucalyptus: Study of the Operating Conditions Effects**. The Journal of Engineering Research, Vol. 3, No. 1, pp. 36-42, 2006.
- 4 - *Amer Ali*, Rosli Mohd Yunus and Ramlan abd Aziz. **Yield Study for Extracted Tea Tree Essential Oil Using MAP**. ASEAN Journal of Chemical Engineering, Vol. 6, Issue 1, pp. 1-7, 2006.
- 5 - *Amer Ali*, Rosli Mohd Yunus and Ramlan abd Aziz. **Evaluation of Essential Oil Yield from Re-hydrated Tea Tree Using Microwave Extraction**. Flavour and Fragrance Journal.
- 6 - S. L. Liau, *Amer Ali*, and Y. L. Tan. **Prediction of Equilibrium Adsorption for Phenol and P-chlorophenol in Water Using Zeolite**. Presented at Curtin University of Technology Sarawak Engineering Conference (CUTSE), Miri, Malaysia, 27-28 November 2006.
- 7 - *Amer Ali*, Rosli Mohd Yunus and Ramlan abd Aziz. **Characterization of Microwave-Assisted Extraction Process**. Presented at the 17th Symposium of Malaysian Chemical Engineers (SOMChE 2003), Penang, Malaysia, 29-30 December 2003.
- 8 - *Amer Ali*, Rosli Mohd Yunus and Ramlan abd Aziz. **Reinforcement of Essential Oil Extraction Via Microwave Fields**. Presented at the Regional Symposium on Chemical Engineering 2003, Manila, Philippines, December 1 – 3, 2003.
- 9 - *Amer Ali*, Rosli Mohd Yunus and Ramlan abd Aziz. **Study of Eucalyptus Essential Oil Acquired By Microwave Extraction**. Presented at the WOCMAP III, Chiangmai, Thailand, Feb. 3-7, 2003.

- 10- Amer Ali, Rosli Mohd Yunus and Ramlan abd Aziz. **Water Content Influence on Microwave Extraction of Essential Oil**. Presented at the Malaysia Chemical Congress 2002, Kuching, Sarawak, Malaysia, 12-14 December 2002.
- 11- Amer Ali, Rosli Mohd Yunus and Ramlan abd Aziz. **Exploration Of Essential Oil Extraction Using Microwave Technique**. Presented at the Regional Symposium on Chemical Engineering 2002, Kuala Lumpur, Malaysia, October 28-30, 2002.
- 12- Amer Ali, Rosli Mohd Yunus and Ramlan abd Aziz. **Scrutiny Of Microwave Essential Oil Extraction**. Presented at the 9<sup>th</sup> APCCChE Congress, New Zealand, September 29- October 3, 2002.
- 13- Amer Ali, Rosli Mohd Yunus and Ramlan abd Aziz. **Essential Oil Extraction By Using Microwave Assisted Process**. Presented at the Regional Symposium on Chemical Engineering 2001, Bandung, Indonesia, 29-31 Oct. 2001.
- 14- Amer Ali, Rosli Mohd Yunus and Hamdani Saidi. **Manganese Substitution Influence on Ferro Titanium Alloy as Hydrogen Storage Media**. Presented at the Regional Symposium on Chemical Engineering 2000, Singapore, 11-13 Dec. 2000.
- 15- Amer Ali, Rosli Mohd Yunus and Ramlan abd Aziz. **Study on Microwave Assisted Process in Chemical Extraction**. Presented at the Malaysia Science and Technology Congress 2000, Genting Highlands, Pahang, Malaysia, 7-9 Nov. 2000.
- 16- Amer Ali, Rosli Mohd Yunus and Hamdani Saidi. **Characterization of Ti Fe<sub>0.9</sub>Mn<sub>0.1</sub> Alloy as Hydrogen Storage Medium**. Presented at the Regional Conference on Energy and Environment, Selangor, 15-16 Feb. 2000.
- 17- Amer Ali, Rosli Mohd Yunus and Hamdani Saidi. **Metal Hydride Performance Test Using New Activation Process**. Presented at the Regional Symposium on Chemical Engineering 1999, Hat Yai, Songkhla, Thailand, 22-24 Nov. 1999.
- 18- Amer Ali, Rosli Mohd Yunus and Hamdani Saidi. **Hydrogen Absorption and Desorption Characteristics of Ferro Titanium Manganese Alloy**. Presented at the World Engineering Congress and Exhibition, Selangor, Malaysia, 19-22 July 1999.