

# Curriculum Vitae

## 1-Personal Information

Name : Haiyam Mohammed Abdalraheem Alayan  
 Affiliation : University of Technology, Department of chemical  
 (Included Phone and Email) engineering.  
 Email: [80032@uotechnology.edu.iq](mailto:80032@uotechnology.edu.iq)  
 C/P: 07722683832  
 Date of Birth : 12/9/1966  
 Place of Birth : Palestine/Gaza  
 Nationality : Iraqi  
 Marital Status : Married

## 2-Scientific Rank : PhD

## 3-Research Interests

- Environmental (water treatment)
- Nanotechnology (Carbon nanomaterials synthesis)
- Catalyst

## 4-Education

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

Date	Discipline	Degree	Institution	Thesis Title
2018	Chemical Engineering/ Nanotechnology	Ph.D	University of Malaya	Synthesis of carbon nanomaterials on powdered activated carbon for removal of organic compounds from water
1998	Chemical Engineering/ Catalyst	M.Sc	University of Technology	Study the activity of platinum and palladium supported catalysts for hydrocarbon reactions
1990	Chemical Engineering	B.Sc	Kuwait University	-

## **5-Academic Experience**

### **1-Undergraduate Level**

- Project for chemical engineering department (Natural gas sweetening)
  - Research Assistant in Kuwait University
  - Supervisor for Fluid Mechanics Lab
  - Graduate Projects supervision
  - Teaching Environmental Pollution Course
- Member in Scientific & High Graduate Studies Committees
- Member in Quality Performance & Accreditation Committee

## **6-Employment History (if available)**

(Including experience, institution, and data)

- Research assistant in Kuwait university (Chemical engineering)
- Lecturer at university of technology (Chemical engineering Department)

## **7-Skills and Qualifications (Language and computer)**

- English
- Good in computer

## **8-Publications**

### **1- Supervision**

- Supervision many undergraduate student's projects.

### **2-Research**

#### **Published**

**Study the Activity of Platinum and Palladium Zeolite Supported catalysts for Hydrocarbon Reactions. (Proceeding Chem. Eng. Conference III, Amman.Vol.2, Sep 1999)- Jordan**

**Study of Catalyst Deactivation in Isomerization Process to Produce High Octane Gasoline (Iraqi Journal of Chemical & Petroleum Engineering; Vol.8, No.3. Sep. 2007) -Iraq**

**Ethanol Bioproduction in Three Phase Fluidized Bioreactors (Engineering & Technology Journal; Vol.27, No.12, 2009) - Iraq**

**A Deactivation Correlation for Platinum Y-Zeolite in n-Hexane (Isomerization Engineering & Technology Journal, Vol.29, No.8, 2011) Iraq**

- **New Development in Catalytic Reforming Process to Produce High Octane Gasoline (2<sup>nd</sup> Oil & Gas Conference, 23 October 2013, Oil Ministry)- Iraq**
- **Hybridizing carbon nanomaterial with powder activated carbon for an efficient removal of Bisphenol A from water: the optimum growth and adsorption conditions (Desalination and Water Treatment Journal. 2017)**
- **The formation of hybrid carbon nanomaterial by chemical vapor deposition: An efficient adsorbent for enhanced removal of methylene blue from aqueous solution. (Water Science and Technology Journal. 2018)**
- **Growth and optimization of carbon nanotubes in powder activated carbon for an efficient removal of methylene blue from aqueous solution. Environmental Technology Journal. 2018**
- **Optimization of the Synthesis of Superhydrophobic Carbon Nanomaterials by Chemical Vapor Deposition (Scientific reports, 2018)**

## **9-Conferences and Training**

- **Alayan, H.M, AlSaadi, M.A., & Hashim, M. A. (2015). Study the activity of platinum and palladium zeolite supported catalysts for hydrocarbon reactions. Utility Reaction and Environmental Research-PURE2015.**
- **The 26th Regional Symposium on Chemical Engineering (RSCE 2019)**