

## Curriculum Vitae



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| <b>Name:</b> Wadood Taher Mohammed  | <b>Gender:</b> Male               |
| <b>Marital Status:</b> Married  | <b>No. of children:</b> 2         |
| <b>Place of Birth:</b> Baghdad , Iraq                                       | <b>Date of Birth:</b> 6/ 11/ 1964 |
| <b>Language:</b> Arabic – English   | <b>Nationality:</b> Iraqi         |
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### ACADEMIC QUALIFICATION

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| <b>1982 – 1986</b> | <b>B.Sc. in Chemical Engineering - University of Baghdad</b> |
| <b>1994 – 1996</b> | <b>M.Sc. in Chemical Engineering - University of Baghdad</b> |
| <b>1997 – 2000</b> | <b>Ph.D. in Chemical Engineering - University of Baghdad</b> |

### TEACHING EXPERIENCE

|                        |  |
|------------------------|--|
| <b>2012 – till now</b> | <b>Assistant professor at University of Baghdad in Chemical Engineering department:</b><br><b>Process Control for 4<sup>th</sup> class</b><br><b>Mass Transfer for M.Sc.</b><br><b>Mass Transfer for Ph.D.</b>           |
| <b>2010 – 2012</b>     | <b>Assistant professor at University of Baghdad in Chemical Engineering department:</b><br><b>Process Control for 4<sup>th</sup> class</b><br><b>Mathematical Modeling for M.Sc.</b><br><b>Fuel Technology for Ph.D.</b> |

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| <b>2006 – 2010</b> | <b>Assistant professor at University of Baghdad in Chemical Engineering department:</b><br><b>Engineering Analysis (Advanced Mathematic) for 3<sup>rd</sup> class</b><br><b>Process Control for 4<sup>th</sup> class</b><br><b>Mathematical Modeling for M.Sc.</b><br><b>Fuel Technology for Ph.D.</b>   |
| <b>2004 – 2006</b> | <b>Assistant professor at University of Baghdad in Chemical Engineering department:</b><br><b>Engineering Analysis (Advanced Mathematic) for 3<sup>rd</sup> class</b>  |
| <b>2000 – 2004</b> | <b>Lecturer at University of Baghdad in Chemical Engineering department:</b><br><b>Engineering Analysis (Advanced Mathematic) for 3<sup>rd</sup> class</b><br><b>Assistant professor at University of Tikrit in Chemical Engineering department:</b><br><b>Engineering Analysis (Advanced Mathematic) for 3<sup>rd</sup> class</b><br><b>Mass Transfer for 3<sup>rd</sup> class</b><br><b>Process Control for 4<sup>th</sup> class</b><br><b>Mathematical Modeling for M.Sc.</b> |
| <b>2002 – 2003</b> | <b>Lecturer at University of Basra in Chemical Engineering department:</b><br><b>Mathematical Modeling for M.Sc.</b><br><b>Mass Transfer for M.Sc.</b>   |
| <b>1996 – 2000</b> | <b>Lecturer at University of Baghdad in Chemical Engineering department:</b><br><b>Engineering Analysis (Advanced Mathematic) for 3<sup>rd</sup> class</b>   |
| <b>1994 – 1996</b> | <b>M.Sc. student</b>   |
| <b>1990 – 1994</b> | <b>Assistant lecturer at University of Baghdad in Chemical Engineering department:</b><br><b>Computer Programming for 1<sup>st</sup> class</b><br><b>Engineering Drawing for 1<sup>st</sup> and 2<sup>nd</sup> class</b><br><b>Principle of Chemical Engineering for 2<sup>nd</sup> class</b><br><b>Heat Transfer for 3<sup>rd</sup> class</b>   |

#### **CONSULTANT 1998 – 2003**

- 1. Phenol synthesis / Tariq Company – Baghdad**
- 2. Research and development center / Petrochemical Industries – Baghdad**
- 3. Catalyst group / AL-Bassel Company – Baghdad**
- 4. Nitric acid industry / AL-Kakaa company – Baghdad**

## **SUPERVISION**

- 2001 M.Sc. Thesis, "Improvement of CIA TIM-201 Grease Properties for use Under Severe Conditions Using Suitable additives"**
- 2001 M.Sc. Thesis, "Tungsten Incorporated CoMo /  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> Hydrodesulphurization Catalyst"**
- 2002 M.Sc. Thesis, "Increasing of Naphthene Content in Naphtha"**
- 2002 M.Sc. Thesis, "Extraction of Iron from Aqueous Chloride Media in Presence of Aluminum"**
- 2002 M.Sc. Thesis, "Preparing a solvent to Remove Oil Spots and Dirt from the Calico Cloth without Effecting the strength"**
- 2003 M.Sc. Thesis, "Extraction of Cobalt and Zinc from Chloride Media"**
- 2003 M.Sc. Thesis, "Extraction of Iron from Sulfate Media"**
- 2005 M.Sc. Thesis, "Recovery of Catalyst from Tar formed in Phenol Production Unit"**
- 2005 M.Sc. Thesis, "Treatment of Textile Industries Wastewater". Water treatment**
- 2006 M.Sc. Thesis, "Catalytic Wet Oxidation of Phenol in Trickle Bed Reactor". Water treatment**
- 2006 M.Sc. Thesis, "Catalytic Oxidation of Phenol in Aqueous Solution". Water treatment**
- 2007 M.Sc. Thesis, "Removal of Phosphorus from Wastewater using Alum"**
- 2008 Ph.D. Thesis, "Production of Phenol from Cumene hydroperoxide using Catalytic Distillation"**
- 2009 M.Sc. Thesis, "Modification of carbon Dioxide Recovery from Flue Gas"**
- 2010 M.Sc. Thesis, "Liquid-Liquid Extraction of Metal Ions using Aqueous Biphasic Systems"**
- 2011 M.Sc. Thesis, "Extraction of Valuable Metals from Spent Hydrodesulphurization Catalyst by Two Stage Leaching method"**
- 2012 M.Sc. Thesis, "Deep Desulphurization of Diesel Fuel by Oxidization and Extraction Technique"**
- 2013 M.Sc. Thesis, "Removal of Dyes from Wastewater using Rice husk"**
- 2014 M.Sc. Thesis, "Desulphurization of Diesel Fuel by Oxidization and Solvent Extraction"**
- 2014 M.Sc. Thesis, "Deep Oxidization Desulphurization Using Catalyze Activated Carbon"**

## **PUBLICATIONS**

- Paper "Extraction of Iron from Aqueous Chloride Media" Engineering Journal (1999).**
- Paper "Vapor Phase Oxidation of Benzoic Acid to Phenol using Copper Based Catalyst" Jordan Conference (2002)**
- Paper "Improvement of CIA TIM-201 Grease Properties for use Under Severe Conditions Using Suitable additives" IJCPE (2002)**
- Paper "Vapor Phase Oxidation of Benzoic Acid to Phenol using Nickel-Iron Oxides Catalyst" IJCPE (2003)**

- Paper “Improving the Activity of NiO-NiFe<sub>3</sub>O<sub>4</sub> Catalyst by Na<sub>2</sub>O for Phenol Synthesis” IJCPE (2003)**
- Paper “Tungsten Incorporated CoMo /  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> Hydrodesulphurization Catalyst” IJCPE (2003)**
- Paper “Mixer Settler Design for the Extraction of Iron from Low Grade or Leach Solution” IJCPE (2004)**
- Paper “Effect of Operation Condition on Catalytic Oxidation of Phenol in Aqueous Solution” IJCPE Vol.9, No.4 (2007), p 21-28.**
- Paper “Catalytic Wet Air Oxidation of Phenol in a Trickle Bed Reactor” IJCPE Vol.8, No.4 (2007), p 45-52.**
- Paper “Kinetic Study on Catalytic Wet Air Oxidation of Phenol in a Trickle Bed Reactor” IJCPE Vol.9, No.2 (2008), p 17-23.**
- Paper “Removal of Dyes from Wastewater of Textile Industries using Activated Carbon and Activated Alumina” IJCPE Vol.10, No.1 (2009), p 43-52.**
- Paper “Recovery of Catalyst from Tar formed in Phenol Production Unit” IJCPE Vol.10, No.3 (2009), p 9-17.**
- Paper “Extraction of Iron from Aqueous Chloride Media in Presence of Aluminum” IJCPE Vol.10, No.2 (2009), p 35-42.**
- Paper “Extraction of Valuable Metals from Spent Hydrodesulphurization Catalyst by Two Stage Leaching method” IJCPE Vol.12, No.4 (2011), p 21-5.**
- Paper “Liquid-Liquid Extraction of Metal Ions using Aqueous Biphasic Systems” Engineering Journal, p 9-18, (2012)**
- Paper “Removal of Phosphorus from Wastewater using Alum” International Journal of Chemical Engineering, Volume 2012 (2012), Article ID 125296.**
- Paper “Oxidation of Toluene to Benzoic Acid catalyzed by Vanadium Oxide” IJCPE, Vol.15, No.1, March, (2013)**
- Paper “Active carbon from Date Stone for Phenol Oxidation in Trickle Bed Reactor, Experimental and Kinetic Study” Journal of Engineering, Vol.20, (2014), No.4 April.**
- Paper “Reactive Distillation for Phenol Production using Different Types of Zeolite Prepared from Rice Husk” IJST, Vol.3, No.8, August, (2014).**
- Text Book “Engineering Analysis in Chemical Engineering” 2014.**
- Paper “Desulphurization of Diesel Fuel by Oxidization and Solvent Extraction” submitted to Journal of Engineering.**
- Paper “Deep Oxidization Desulphurization Using Catalyze Activated Carbon” submitted to IJCPE.**