**C.V**



Photo

**Name: Sawsan Abd Muslim Mohammed Albasri**

**Specialization: Chemical Engineering**

**Position: Professor of Chemical Engineering/Head of Chemical Engineering Department**

**Scientific Degree: Professor**

**Work Address: College of Engineering-University of Baghdad**

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 **Scientific Certification:**

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| --- | --- | --- | --- |
| **Date** | **College** | **University** | **Degree science** |
| 1981 | Engineering | Baghdad | **B.Sc.** |
| 1996 | Engineering | Baghdad | **M.Sc.** |
| 2006 | Engineering | Baghdad | **Ph.D.** |

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| --- | --- | --- | --- |
| **From -To** | **Workplace** | **Career** | **No.** |
| 1981-1996 | College of Engineering | Asst. engineer | 1 |
| 1996- 2019 | College of Engineering | Member of teaching staff | 2 |
| 2019- till now | College of Engineering | Head of Chemical Engineering Department | 3 |

**Thesis supervision:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Department** | **Thesis Title – M. Sc.** | **No.** |
| 2009 | Chem. Eng. Dept. | Extraction of medicinal compounds from botanicals using bulk liquid membrane in rotating film contactor By Raheeq B. Alsaadi | 1 |
| 2010 | Chem. Eng. Dept. | The Application of Microwave technology in Demulsification of Water-in-Oil Emulsion for Missan oilfields By Mortatha Saadoon Mohammed | 2 |
| 2013 | Chem. Eng. Dept. | Microwave Assisted Demulsification of Crude Oil Emulsions Using Organic Additives and Ionic Liquids ByWatheq Kareem Salih | 3 |
| 2014 | Chem. Eng. Dept. | Treatment of Oilfield Produced Water Using Ionic Liquids in a Dissolved Air Flotation System ByAws Abbas Fadhil | 4 |
| 2015 | Chem. Eng. Dept. | The Effect of Asphaltene on the Stability of Iraqi Water in Crude Oil Emulsion By Sally Duraid Maan | 5 |
| 2020 | Chem. Eng. Dept. | Removal of Anti-Inflammatory Drugs Residues from Wastewater by Bulk Liquid Membrane By Husna Salim Wahab | 6 |
| **Year** | **Department** | **Thesis Title – Ph. D.** | **No.** |
| 2015 | Chem. Eng. Dept | Characterization of a flow -by fixed bed electrochemical reactor composed of a vertical stack of screens for the removal of heavy metals from waste waters ByAli Hussain Abbar | 1 |
| 2015 | Chem. Eng. Dept | Extraction of Phenol and substituted Phenols from aqueous solutions using bulk ionic liquid membranes ByMohammed Saadi Hameed | 2 |

**Research Projects in The Felid of Specialization to The Environment and Society or the Development of Education:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Research Title** | **Place of Publication** | **Year** |
| 1 | Removal of Acetaminophen Residues from Wastewater by Bulk Liquid Membrane Process | **IJCPE, Vol.21 No.4, 1 – 9** | **2020** |
| 2 | Removal of ibuprofen residues from acidic aqueous solution by bulk liquid membrane | **2nd International Conference on Materials Engineering & Science (IConMEAS ))** | **2019** |
| 3 | Mass transfer characteristics of a flow-by fixed bed electrochemical reactor composed of vertical stack stainless steel screens cathode | **Heat and Mass Transfer, Volume 55, Issue 9, pp. 2419–2428** | **2019** |
| 4 | Removal of Phenolic Compounds from Synthesized Produced Water by Emulsion Liquid Membrane Stabilized by the Combination of Surfactant and Ionic Liquid | **Desalination and Water Treatment, Vol.110, pp. 168–179** | **2018** |
| 5 | Cadmium removal from simulated chloride wastewater using a novel flow-by fixed bed electrochemical reactor: Taguchi approach | **Desalination and Water Treatment, Vol. 74, pp. 197-206** | **2017** |
| 6 | Removal of Benzoic Acid from Wastewater by Pickering Emulsion Liquid Membrane Stabilized by Magnetic Fe2O3 Nanoparticles | **Desalination and Water Treatment, Vol. 68, pp. 114–121** | **2017** |
| 7 | Investigating the Performance of ELM Systems in Separating Organic Pollutants from Industrial Wastewater | **Journal of Water Process Engineering, Vol. 13, pp. 79-87** | **2016** |
| 8 | The Effect of Asphaltene on the Stability of Iraqi Water in Crude Oil Emulsions  | **IJCPE, Vol.17 No.2, pp. 37- 45** | **2016** |
| 9 | Extraction of 4-Nitrophenol from Aqueous Solutions Using Bulk ionic Liquid Membranes | **International Journal of Current Engineering and Technology,** **Vol.6, No.2** | **2016** |
| 10 | Extraction of Phenol from Aqueous Solutions Using Bulk ionic Liquid Membranes | **IJCPE, Vol.17 No.1, pp.83- 97** | **2016** |
| 11 | **Electrolytic removal of zinc from simulated chloride wastewaters using a novel flow-by fixed bed electrochemical reactor** | **IJCPE, Vol.16 No.4, pp. 31- 43** | **2015** |
| 12 | **Galvanostatic Removal of Lead from Simulated Chloride Wastewaters using a Flow-by Fixed Bed Electrochemical Cell: Taguchi approach** | **IJSER Vol. 6, Issue 10, October** | **2015** |
| 13 | **Improving Treatment Performance of Dissolved Air Flotation System by Using Ionic Liquids as Surfactants** | **IJCPE, Vol.16 No.2, pp. 31- 37** | **2015** |
| 14 | **“Performance Enhancing of Blended Ionic Liquids as Demulsfiers for Water in Oil Enulsions”** | **The Seventh Jordan International Chemical Engineering (JICHE07) Conference, 4-6 Nov, 2, Amman – Jordan, pp.96-102.** | **2014** |
| 15 | **“Preparation and Characterization electrodeposited Cadmium+ Lead thin films from a diluted chloride solution”** | **J. Electrochem. Sci. Technol. 5(4), 115-127**  | **2014** |
| 16 | **“Microwave Assisted Demulsification of Iraqi Crude Oil Emulsions Using Tri-octyl Methyl Ammonium Chloride (TOMAC) Ionic Liquid"** | **IJCPE, Vol.15 No.3, pp.27-35** | **2014** |
| 17 | **“Characterization and electrochemical preparation of thin films of binary heavy metals (Cu-Pb,Cu-Cd,Cu-Zn)from simulated chloride wastewaters”** | **Int. J. Electrochem. Sci.,Vol. 9 pp.6328 - 6351** | **2014** |
| 18 | **"The Application of Microwave Technology in Demulsification of Water- in-Oil Emulsion for Missan oil fields"** | **IJCPE, Vol 14, No.2.** | **2013** |
| 19 | **"Oily Wastewater Treatment Using Expanded Beds of Activated Carbon and Zeolite** | **IJCPE, Vol.12, No. 1** | **2011** |
| 20 | **“Treatment of a High Strength Acidic Industrial Chemical Wastewater”,** | **J. of Eng., Vol. 17,No.1** | **2011** |
| 21 | **“Hydrodynamic Interaction between Two Spheres in Newtonian and non Newtonian fluids”** | **Journal of Applied Sciences Research, Vol. 7 No. 7** | **2011** |
| 22 | **“Hydrodynamic Study of Bed Expansion in Liquid Solid Fluidized Bed”** | **J. of Eng., Vol. 3,No.16** | **2010** |
| 23 | **“Phosphorus Removal from Water and Wastewater by Chemical Precipitation Using Alum and Calcium Chloride”** | **IJCPE, Vol.13,No.2** | **2009** |
| 24 | **“Extraction of Medicinal Compounds from Botanicals using Bulk Liquid Membrane in Rotating Film Contactor: Recovery of Vinblastine from Catharanthus Roseus”** | **IJCPE, Vol.10, No.3**  | **2009** |
| 25 | **“Interference Drag between Cylindrical Particles in Stokes Flow”**  | **Eng. and Technology J,Vol.27,No.8** | **2009** |
| 26 | **“Drag Forces under Longitudinal Interaction of Two Spheres”** | **IJCPE, Vol.8, No.2** | **2007** |
| 27 | **“Experimental Evaluation of the Virtual Mass of Two Solid Spheres Accelerating in Fluids”** | **Experimental Thermal and Fluid Science, Vol. 31** | **2007** |
| 28 | **“Study of Performance of Air Filters in Public Shelters”**  | **IJCPE, Vol.2, No.1** | **2001** |