

## **CURRICULUM VITAE**

### *1- Personal Information*

- **Name: Dr.Waleed Mohammed Sheet Satam Alabdraba**
- **Gender: Male**
- **Date and place of Birth: Mosul Jan/6/1976**
- **Marital Status: Married**
- **Nationality: Arabic**
- **Current Address: Nenava / Mosul / Almuhandseen Qr. Near Haebt Khatoon Mosque**



### *2- Academic & Professional Information*

*University:- Tikrit*

*College:- Engineering*

*Department:- Environmental Engineering*

#### *- Academic Qualifications:*

| Qualification | major              | Institution      | Country | Date obtained |
|---------------|--------------------|------------------|---------|---------------|
| Bsc.          | Civil/ Environment | Mosul University | Iraq    | 1997          |
| Msc.          | Environment        | Mosul University | Iraq    | 2000          |
| Ph.D.         | Environment        | Mosul University | Iraq    | 2005          |

*Msc. Thesis :-The Use of Extended Aeration - Activated Sludge To Treat Wastewater.*

*PhD. Thesis:- Monitoring and Simulation of Air Pollution in the Operation Site of North Oil Company / Iraq*

#### *- Academic Rank:*

| Rank          | Date obtained |
|---------------|---------------|
| Ass. Lecturer | Feb./23/2003  |
| Lecturer      | Dec./17/2005  |
| Ass. Prof.    | Sep./06/2010  |

*- General Major: Civil / Environment*

*- Specific major: Environment / Water and Wastewater Pollution and Treatment*

[Scopus](#)

[ResearcherID](#)

[Orcid](#)

[Arid](#)

[Research Gate](#)

[Google Scholar](#)

**- Course taught :**

| Postgraduate                             | Undergraduate                |
|--|------------------------------|
| Advanced Wastewater Treatment            | Water Supply Engineering     |
| Advanced Water Quality Management        | Wastewater Treatment Systems |
| Advanced Solid Waste Management          | Sanitary Engineering         |
| Design of Statistic Experiments          | Water Quality Management     |
| Operation of Wastewater Treatment Plants | Engineering Drawing          |
| Environmental Impact Assisment           | Solid Waste Management       |

**- Supervision :**

| Title of Thesis<br>(Master's Degree)   | Discussion<br>Date |
|--|--------------------|
| Studying The Quality and Trace Elements Distribution in some sites in Nenava Ground Water  | 2010               |
| Anaerobic/Aerobic Sequential Biological treatment of A wastewater containing Azo Dye   | 2010               |
| Temperature Effects on the Sludge Stability and Its Dewatering ability using Bioelectricity Cell as treatment Unit                                       | 2011               |
| Combustion and Generation rates of Domestic SolidWaste and Selection the Best Landfill Site  | 2011               |
| Studying the Efficiency of Locally Syrian Sands as FilterMedia in RemovingChromium and Lead from IndustrialWastewaters by using Effective Microorganisms | 2011               |
| Effects of Recycle Ratio and Detention Time on theBehavior of Wastewater Treatment Units work in Range of Temperature                                    | 2012               |
| Effects of Feeding Methods and Organic Loading on theStability of Plug and Continuous Flow Activated Sludge  | 2014               |
| Use Slow Sand Filter to Removing Turbidity and Organic Pollutants from the Tigris River Water  | 2014               |
| Production of biodiesel from castor oil and studythe effectof the blending ratio on performance and emissions from internal combustion engines           | 2015               |
| Evaluation of Efficiency of Groundwater Desalination Plants in Different Hydrogeological Conditions in Salahaddin Governorate / Iraq                     | 2015               |
| Effects of industrial wastewater on the engineering properties of gypsum soils   | 2016               |

|  |      |
|--|------|
| Effects of wetting/dring on the properties of soil polluted by industrial wastewater   | 2016 |
| Treatments of Oil Refinery Wastewater by Advanced Photo–chemical Oxidation Processes using Ferrous Ions, Hydrogen Peroxide and Ozone | 2016 |
| Treatment of Industrial, Domestic and Hospital Wastewater by Algae   | 2017 |
| Removal of Azo–Dye (Disperse Red 17 & Acid Orange 12) by Advanced Photo Oxidation Process  | 2018 |

### - *Publications:*

| Published researches / Article  | Journal book  | Published Date |
|---|---|----------------|
| Removal Efficiency by using Extended Aeration Activated Sludge Units  | J. Res. On Environ. & Sustainable Develop./Arab Committee of Scientific Research Iraq | 2000           |
| Impact of External and Internal Factors on the Behaviors of Extended Aeration Activated Sludge Process                                      | Tikrit Journal for Engineering Science / Tikrit University Iraq                       | 2008           |
| Effect of using Effective Microorganisms EM–1 on the performance of Extended Aeration Activated Sludge in treating domestic Wastewater      | Tikrit Journal for Engineering Science / Tikrit University Iraq                       | 2008           |
| Effects of Temperature and F/M ratio on the Settling Characteristics of Activated Sludge  | First Science Conference in Environmental Research /Mosul University / Iraq           | 2009           |
| Effects of EM1(Effective Microorganisms)on the Availability of Minor Elements in Soil and Its Effects on Chick Beans Productivity in Aleppo | Aleppo Journal of Agricultural Research/ Aleppo University LSyria                     | 2009           |
| Removal of Chromium and Lead from Industrial Wastewater Using Albdrosea Sand as Filter Media  | Albaath University Journal for Scientific Research /Albaath University / Syria        | 2010           |
| The quality of untreated industrial wastewater and their impact on yield and its components of five genotypes of wheat                      | International Annual Simpson / /Environmental Science Ebb University / Yammen         | 2010           |
| Effects of Effective Biomass EM1 on the concentration of Sugar and Chimobiological Variables in White Rats Blood                            | Alrafedaeen Journal of Engineering Science /University of Mosul Iraq                  | 2010           |
| Using Bio enrichment by EM1 on some Important Field Crop  | Tikrit Journal of Agricultural Science /Tikrit University Iraq                        | 2010           |
| Study kinetic Adsorption Of Lead and Chromium From Aqueous Solutions By Using Syrian Sand   | Albaath University Journal for Scientific Research /Albaath University / Syria        | 2011           |

|   |   |      |
|---|---|------|
| Removal of Chromium and Lead from Industrial Wastewater Using Effective Microorganisms (EM) Technology  | Tikrit Journal of Engineering Science / Tikrit University Iraq  | 2011 |
| Effects of Humic Acid on the Availability of Minor Elements in Soil and Its Effects on Chick Beans Productivity in Aleppo   | Aleppo Journal of Agricultural Research/Aleppo University Syria   | 2011 |
| Concentrations of some trace elements in groundwater in selected areas of the province of Nineveh   | 2 <sup>nd</sup> Conference of Environmental Studies /Mosul University/Iraq                              | 2011 |
| Selecting best landfill site for solid waste in the city of Tikrit using GIS tools  | 2 <sup>nd</sup> Conference of Environmental Studies/Environmental Research Center/Mosul University/Iraq | 2011 |
| Using the polymer with EM1 to improve sludge dewatering   | JES / Sohag University Egypt  | 2011 |
| Study the properties of concrete containing EM1   | Tikrit Journal of Engineering Science/Tikrit University/Iraq  | 2012 |
| Suspended Particulate Matter Levels in Bab Al-Mua'dham/ Baghdad and Its relationship with the Metrological Factors  | JES / Sohag University Egypt  | 2012 |
| Generation of Domestic Solid Waste in Tikrit City and the Effects of Family Size and Income Level on Generation Rate  | Tikrit Journal of Engineering Science/Tikrit University/Iraq  | 2012 |
| The impact of EM on liver function in male rats infected eggs sound and diabetes induced by aluxan  | Tikrit Journal of Pure Science / Tikrit University / Iraq   | 2012 |
| Removal of Heavy Metals from Water Solution by Using Effective Microorganisems  | Albaath University Journal for Scientific Research / Syria  | 2012 |
| Comparison between continuous flow and batch flow activated sludge in the removal of nitrate and phosphate  | JES / Sohag University Egypt  | 2012 |
| Estimation the number of required compactor vehicles for collection of the domestic solid waste produced in Tikrit City   | College of Engineering , Tikrit University 2 <sup>nd</sup> annual symposium                             | 2012 |
| Effect of Recycle Ratio and Hydraulic Retention Time on the Performance of Extended Aeration Activated Sludge in Different Temperature  | College of Engineering , Tikrit University second annual symposium                                      | 2012 |
| Effect of Temperature and Hydraulic Retention Time on the Removal Rate Constant of Extended Aeration Activated Sludge   | second annual conference of environmental scince and Tichnology College, Mosul/Iraq                     | 2012 |
| Composition of Domestic Solid Waste and The Determination of its Density &Moisture Content: A case study for Tikrit City, Iraq  | IRECE / Italy   | 2013 |
| Influence of Magnetic Field on The Efficiency of The Coagulation Process to Remove Turbidity From Water   | IRECHE / Italy  | 2013 |
| Effect of feed mode and F/M ratio on efficiency of Plug-Flow activated sludge systems with plug-flow in removal of organic matter,phosphate PO <sub>4</sub> and nitrate NO <sub>3</sub> | JES / Sohag University Egypt  | 2013 |
| Evaluation of Groundwater in Selected Areas in Ninevah Governorate for agricultural Use   | Second conference of Engineering College, Mosul University  | 2013 |

C.V of Assist. Prof. Dr. Waleed M. Sh. Alabdraba

|   |   |      |
|---|---|------|
| Performance of Sequential Anaerobic/Aerobic Biological Treatment of Synthetic Wastewater Containing Two Types of Azo Dye                | 2nd international conference on environmental science and technology (ICOEST)         | 2014 |
| Evaluating Raw and Treated Water Quality of Some Water Treatment Plants in Tikrit by Water Quality Index                                | JES / Sohag University<br>Egypt   | 2014 |
| Analysis of Grounwater Quality Parameters in Selected Sites at Ninavah Governorate / Iraq   | International Journal of Civil Engineering and Technology (IJCIET)/ India             | 2014 |
| Biodegradation of Azo Dyes—A Review   | International Journal of Environmental Engineering and Natural Resources              | 2014 |
| The effect of temperature on the dewatering resistivity of the Activated Sludge   | 1st International Conference on Engineering Sciencs' Applications, At - IRAQ          | 2014 |
| Evaluation of the Tigris River water quality for domestic and irrigation uses near drinking water treatment plants through Baghdad city | 2 nd International Conference on Environment and Natural Science ICENS - Turkey       | 2015 |
| Evaluation of Efficiency of Groundwater Desalination Plants in Different Hydrogeological Conditions in Salahaddin Governorate / Iraq    | Tikrit Journal of Pure Science  | 2015 |
| Studeing the Effects of Dairy Wastewater on the Properties of Gypsum Soil and the Variation in the Wastewater Characteristics           | Kirkuk University Journal/Scientific Studies KUJSS                                    | 2016 |
| Using of Ballasted Actiflo Technology in the removal of Nitrate and Phosphate from Domestic Wastewater                                  | 4 <sup>Th</sup> International Scintific Conference for Gentic and Environment , Egypt | 2016 |
| Studying the Non-Ionizing Pollution issued by Mobile System   | 4 <sup>Th</sup> International Scintific Conference for Gentic and Environment , Egypt | 2016 |
| Treatment of Oil Rifinary Wastewater by Ozone   | Kirkuk University Journal/Scientific Studies KUJSS                                    | 2016 |
| Effects of temperature, alkaline catalyts and molar ratio of alcohol to oil on the efficiency of production biodiesel from castor oil   | Kirkuk University Journal/Scientific Studies KUJSS                                    | 2016 |
| Interference Reduction by Null-forming Optimization Based MVDR Technique Using Gravitational Search Algorithm                           | 1st EAI International Conference on Computer Science and Engineering                  | 2016 |
| Evaluating the impact of SNOIs on SINR and beampattern of MVDR adaptive beamforming algorithm   | Indian Journal of Science and Technology  | 2016 |
| Effect of Wetting and Drying Cycles on The Properties of Clayey Soil Polluted by Industrial Water                                       | Dyala Journal of Engineering Scince   | 2017 |
| Application of Artificial Neural Networks ANN and Adaptive  | Transiction on machine Learning and   | 2017 |

|   |  |      |
|---|--|------|
| Neuro Fuzzy Inference System ANFIS Models in Water Quality Simulation of Tigris River at Baghdad City                             | Artificial Intilgence  |      |
| Evaluation of The Quality of Disposed Wastewater in Selected Hospitals in Baghdad City  | JES / Sohag University<br>Egypt  | 2017 |
| Treatment the Disinfected Diary water by using two type of Algae Chlorella, Lyngebia  | Almuthana journal of Engineering and Technology  | 2017 |
| Comparison Between Green And Green Algae Viability In Their Ability To Remove Organic Matter And Nutrients In Domestic Wastewater | 4th Scientific Conference in Sustainability Engineernig<br>Almustansyria University – Iraq         | 2018 |
| Decolorization of Disperse Red Azo–Dye in Wastewater by Coagulation/Flocculation Process  | 1 <sup>st</sup> Conference of North Tichnical University / IRAQ                                    | 2018 |
| Treatment of industrial wastewater by advanced oxidation processes using Ozone  | JES / Sohag University<br>Egypt  | 2018 |
| Degradation Of Disperse Blue 79 Dye In Aqueous Solution Using Fenton (H <sub>2</sub> O <sub>2</sub> / Fe <sup>+2</sup> ) Process  | Journal of Science International (Lahore)  | 2018 |
| Water Quality Monitoring of Tigris River by Using GIS Based Physicochemical Parameters in Baghdad, Iraq                           | ISNRA 2018 International Conference in Engineering, Medicine, and Applied Science, Antalya– Turkey | 2018 |

### *- Administrative Posts:*

| Major                | Institution       | Date held      |
|----------------------|-------------------|----------------|
| Eng. Affairs Manager | Kirkuk University | 2003–2004      |
| Lecturer             | Kirkuk University | 2004–2006      |
| Lecturer             | Tikrit University | 2006 Until Now |

### *- Academic Conference Attended:*

| Conference Place  | Conference Date | Conference Title                                       | Nature of presence |
|---|-----------------|--|--------------------|
| Environmental scince and Tichnology College / Mosul University / Iraq | 29–31/3/2009    | First Science Conference in Environmental Research     | Submit a research  |
| Ebb University / Yammen   | 1–3/8/2010      | International Annual Conference /Environmental Science | Submit a research  |
| Environmental Research Center/ Mosul University/Iraq                  | 1–3/11/2011     | The second Conference of Environmental Studies         | Submit a research  |
| College of Engineering , Tikrit University / Iraq                     | 1–3/12/2012     | The second Conference of Engineering Studies           | Submit a research  |
| Engineering College, Mosul University/ Iraq                           | 1–3/11/2013     | The second Conference of Engineering Studies           | Submit a research  |

|                                 |               |   |                     |
|---------------------------------|---------------|---|---------------------|
| Antalia / Turkey                | 14-17/5/2014  | 2nd international conference on environmental science and technology (ICOEST)         | Submit a research   |
| Kerbala / Iraq                  | 23-25/12/2014 | 1st International Conference on Engineering Sciences' Applications                    | Submit a research   |
| Istanbul / Turkey               | 8-9 /9/2015   | 2 nd International Conference on Enviro and Natural Science ICENS - Turkey            | Submit a research   |
| Egypt                           | 23-30/7/2016  | 4 <sup>Th</sup> International Scintific Conference for Gentic and Environment , Egypt | Submit Two research |
| Penang / Malaysia               | 11-12/11/2016 | 1st EAI International Conference on Computer Science and Engineering                  | Submit a research   |
| Almustansyria University Iraq   | 28-29/3/2018  | 4th Scientific Conference in Sustainability Engineernig                               | Submit a research   |
| North Tichnical University IRAQ | 7-8/3/2018    | 1 <sup>st</sup> Conference of North Tichnical University / IRAQ                       | Submit a research   |
| Antalya- Turkey                 | 24-26/9/2018  | ISNRA 2018 International Conference in Engineering, Medicine, and Applied Science     | Submit a research   |

*- Symposia & Workshops:*

| held place                    | Symposium Date | Symposium Type                                 | Nature of presence |
|-------------------------------|----------------|--|--------------------|
| Tikrit University             | 2007           | Water Management in Arid & Semiarid Areas      | Lecturer           |
| Tikrit University             | 2010           | Environmental Pollution                        | Lecturer           |
| Tikrit University             | 2011           | Reuse of Construction Waste In Concrete Mixes  | Lecturer           |
| Tikrit University             | 2014           | Reuse of treated wastewater in Agricultural    | Lecturer           |
| Sallahedden University        | 2017           | Renewable Energy                               | Lecturer           |
| Iraqi Ministry of Environment | 2018           | Risks of Chimecal Pollotion                    | Attend             |
| Antalya-Turky                 | 2018           | Publishing Research in Strict Sintific Journal | Attend             |
| Antalya-Turky                 | 2018           | Renewable Energy                               | Attend             |
| Antalya-Turky                 | 2018           | Electronic Learning                            | Attend             |

### *3- Professional Associations:*

| Association Name  | Nature of Membership | Joined |
|---|----------------------|--------|
| Iraqi Engineering Union   | Member / Consultant  | 1997   |
| National Association of Developing Environment–Syria                            | Member / Consultant  | 2006   |
| Engineering Association for Development and Environment (EADE)                  | Member / Consultant  | 2012   |
| Arabitration Arab Organaization   | Member               | 2014   |
| American Assosiation for Scince and Technology (AASCIT)                         | Member               | 2016   |
| International Association for Hydro–Environment Engineering and Research (IAHR) | Member               | 2017   |
| Kurdistan Engineering Union   | Member / Consultant  | 2018   |
| International Association of Engineers (IAENG)                                  | Member               | 2018   |

### *4- Practical Work:*

- Design of wastewater treatment plants in Salahuddin Province 2006.
- Operate a wastewater treatment plants in Al-reqa – Syria 2007.
- Design a chlorine contact tank in Salahuddin Province 2010.
- Check detailed plans of two wastewater treatment plants designed by IA Italy 2013.
- General Supervision of the implementation of sewage projects in Salahuddin Province 2013-2014.
- General Supervision of the implementation of sewage treatment plants Salahuddin Province 2013-2014.
- Preparation of many environmental impact reports 2008-2018.

#### *- Language*

*Arabic and English*

#### *-Passport:*

*A12636384*

*Valid Until 25/12/2025*

#### *- Email Address:*

[walabdraba@tu.edu.iq](mailto:walabdraba@tu.edu.iq)

[walabdraba@gmail.com](mailto:walabdraba@gmail.com)

[walabdraba@yahoo.com](mailto:walabdraba@yahoo.com)

#### *- Phone No.*

*+964 77 03 33 77 00*