

## **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 Author ID: 57190943672*

*ResearcherID: I-2308-2015*

*Orcid.org/0000-0002-2357-0597*

*Arid.my/0001-4356*

[https://www.researchgate.net/profile/Waleed\\_Alabdraba](https://www.researchgate.net/profile/Waleed_Alabdraba)

<https://scholar.google.com/citations?user=GuvvJjYAAAAAJ&hl=en>

**- 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 (Master's Degree)	Discussion 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

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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

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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 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 Egypt	2017
Treatment the Disinfected Diary water by using two type of Algae Chlorella, Lynegebia	Almuthana journal of Engineering and Technology	2017
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 Egypt	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 Tichnical 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 scince and technology (ICOEST)	Submit a research
Kerbala / Iraq	23-25/12/2014	1st International Conference on Engineering Scienes' Applications	Submit a research
Istanbul / Turkey	8-9 /9/2015	2 nd International Conference on Environment and Natural Scince	Submit a research

		ICENS – Turkey	
Egypt	23–30/7/2016	4 <sup>th</sup> International Scientific Conference for Genetic and Environment , Egypt	Submit Two research
Penang / Malaysia	11–12/11/2016	1st EAI International Conference on Computer Science and Engineering	Submit a research
North Tichnical University IRAQ	7–8/3/2018	1 <sup>st</sup> Conference of North Tichnical University / IRAQ	Submit a research

*- Symposia:*

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

*3- Professional Associations:*

Association Name	Nature of Membership	Joined
Iraqi Engineering Union	Member / Consultant	1997
National Association of Developing Environment Syria	Member / Consultant	2006
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

#### ***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 2008-2016.

#### ***- Language***

***Arabic and English***

#### ***-Passport:***

***A12636384***

***Valid Until 25/12/2025***

#### ***- Email Address:***

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

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