

## C.V



**Name:** Jathwa A. Kareem Ibrahim Mohammed Al-Ameen

**Date of Birth:** 17/4/1958

**Religion:** Muslim

**Marital status:** Married

**No. of children:** Three

**Specialization:** Environmental Engineering

**Scientific Degree:** Assistant professor

**Work Address:** University of Baghdad/ College of Engineering/  
Department of Environmental Engineering

**Work Phone:** 07702 988716

**Mobile:** 07702 988716

**E-mail:** jathwa58@yahoo.com

• **First, Scientific Certification:**

Degree science	University	College	Date
B.Sc.	Baghdad	Engineering	1980
M.Sc.	Baghdad	Engineering	1996
Ph.D.	University of Technology	Engineering	2003
Any other			

- **Second, Career**

No.	Career	Workplace	From -To
1	Evaluation manager	CENTER ORGANIZATION FOR STANDARDIZATION AND QUALITY CONTROL/ Quality Control Lab./ PLANNING MINISTRY	1980-1987
2	Directorate Manager	MANAGER OF BAGHDAD DIRECTORATE FOR ENVIRONMENT PROTECTION AND IMPROVEMENT/ HEALTH MINISTRY	1988-1989
3	Center Manager	WATER RESOURCES PROTECTION DEPARTMENT/ ENVIRONMENT PROTECTION CENTER/ HEALTH MINISTRY	1989-1999
4	Member	ENVIRONMENT PROTECTION COUNCIL / ENVIRONMENT PROTECTION AND IMPROVEMENT DIRECTORATE/ MINISTERS COUNCIL	1999-2003
5	HEAD OF SOLID AND HAZARDOUS WASTE DEPARTMENT	SOLID AND HAZARDOUS WASTE DEPARTMENT / MINISTRY OF ENVIRONMENT	2003-2004
6	D.G. ASSISTANT IN PLAN. & TECH. FOLLOW-UP OFFICE & HEAD OF INDUSTRIAL POLLUTION DEPARTMENT	MINISTRY OF ENVIRONMENT	2004-2006

■ **Third, University Teaching.**

No.	University	The (Institute / College)	From -To
1	Baghdad	Engineering	2006

■ **Fourth, Courses Which You Teach:**

No.	Department	Subject	Year
1	Environmental Engineering Baghdad College of Engineering	Global Environment Problems/Ph.D	2006 -2010

2	Environmental Engineering Baghdad College of Engineering	Environmental Management/Ph.D	2006-.....
3	Environmental Engineering Baghdad College of Engineering	Solid waste Management/MSc.	2006-2018
4	Environmental Engineering Baghdad College of Engineering	Hazardous waste Management/MSc.	2007-2008
5	Environmental Engineering Baghdad College of Engineering	Environmental Management/4 <sup>th</sup> grade	2007-2009
6	Environmental Engineering Baghdad College of Engineering	Solid waste/3 <sup>rd</sup> grade	2007-.....
7	Environmental Engineering Baghdad College of Engineering	Industrial Safety/3 <sup>rd</sup> grade	2008 -2010
8	Environmental Engineering Baghdad College of Engineering	Statistics/2 <sup>nd</sup> grade	2009-2011
9	Environmental Engineering Baghdad College of Engineering	Computer Programming /1 <sup>st</sup> stage	2009-2010
10	Civil Engineering Baghdad College of Engineering	Design/4 <sup>th</sup> grade	2007-2008
11	Environmental Engineering Baghdad College of Engineering	Design/4 <sup>th</sup> grade	2009- .....
12	Environmental Engineering Baghdad College of Engineering	Analytical Chemistry	2011-.....
13	Environmental Engineering Al- Mustensriya College of Engineering	Solid Waste Management Msc	2012-2013
14	Petroleum Engineering Baghdad College of Engineering	Environmental Health and Safety	2013-2017
15	Energy Engineering Baghdad College of Engineering	Analytical Chemistry	2015-2016
16	Environmental Engineering Baghdad College of Engineering	Engineering Economy	2019-2020
17	Environmental Engineering Baghdad College of Engineering	English /Ph.D	2020-.....
18	Environmental Engineering Baghdad College of Engineering	Research Methodology/Ph.D	2020-.....
19	Petroleum Engineering Baghdad College of Engineering	English /Ph.D	2020-.....

**Fifth, Thesis which was supervised by :**

No.	Thesis Title	Departme	Year
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1	Detection and removal of PAH from selected sites in Tigris River through Baghdad	Env. Dep.	2012
2	Composting of Municipal Organic Solid Waste Using In-Vessel Bioreactor	Env. Dep.	2013
3	Co-composting of Organic Fraction of Municipal Solid Waste and Sewage Sludge for Fertilizer Production	Env. Dep.	2013
4	Converting Selected Cellulosic Waste Materials into Biofuels	Env. Dep.	2014
5	Adding of the Bottom Cellulosic Ash to the Food Waste as a Soil Amendment	Env. Dep.	2015
6	Environmental Impact Assessment for constituents in Produced Waters from Conventional Oil and Gas Production	Petroleum Dep.	2016
7	Site selection of transfer stations and Sanitary Landfill by Implementation of GIS; Case Study Babylon-Iraq	Env. Dep.	2018
8	Evaluation and Characterization of Heavy Metals during Biodegradable Solid Waste Composting	Env. Dep.	2018
9	Environmental Footprint and Sustainability of Baghdad City	Architecture Dep.	2018
10	Using treatment plant's sludge as biosolids	Env. Dep.	2019
11	Volumetric and specific deformation analysis of municipal solid waste using pilot and bench scale	Env. Dep.	2019
12	Investigation of Municipal Solid Waste Pretreatment on the Landfill Stability Parameters (Kirkuk City Landfill-Case Study)	Env.Dep.	2020
13	Evaluation of Alkali-Treated Sewage Sludge as Biosolids	Env.Dep.	2020
14	Sewage sludge sanitizing for agricultural purposes	Env.Dep.	2021
15	Comparison of Leachate Quality of Pre-Sorted and Compacted Municipal Solid Waste with High Organic and Moisture Content (Case Study- Al-Mosul City)	Env.Dep.	2021

**■ Sixth, Conferences which you participated:**

No.	Conferences Title	Year	Place	Type of
1	Water Conservation and Reuse	1999	Jordan Amman	On the behalf of Ministry of Environment

2	First Experts Group Meeting for Preparation of A Set of Tools For The Selection, Design And Operation of Hazardous Waste Landfills in Hyper-Dry Areas Project	2004	Egypt /CIRO	On the behalf of Ministry of Environment
3	Integrated Water Resource Management	2005	Amman	On the behalf of Ministry of Environment
4	Environmental Assessment of hot spots in /Iraq/Planning	2004	Amman	Team leader
5	Environmental Assessment of hot spots in Iraq/ Sampling	2004	Swiss	Team leader
6	Environmental Assessment of hot spots in Iraq/Assessment	2005	Amman	Team leader
7	The Second Scientific Conference of Graduate Studies in Chemical Engineering / University of Technology	11- 10 2May 017	Baghdad	Participant
8	The Second Scientific Conference of Graduate Studies / University of Baghdad	21-20 Dec. 2017	Baghdad	Participant
	The Fourth Scientific Engineering and First Sustainable Engineering Conference / Mustansiriyah University	29- 28 March 2018	Baghdad	Participant

• **Seventh, Scientific Activities:**

Within the College	Outside the College
Give lectures on environment pollution in the continuous Learning Center	Environmental expert in Ministry of Environment
Evaluating studies and surveys	Contribution in Environmental survey in 2005-2006 with ministry of planning as an Environmental expert
Making EIA studies for industrial activities	Contribution in Environmental survey in 2010-2011 with ministry of planning as an Environmental expert
	Contribution in Environmental survey in with ministry of Industry and Mining / Center of Chemical and Petrochemical Industries as an Environmental expert
	Contribution in Solid Waste Management survey for Iraqi Southern Governments for the year 2007 as an Environmental expert
	Contribution in drinking Water , Sewage Water and Solid waste Assessment for Wassit Government in the year of 2009

Contribution in Environmental Impact Assessment  
for seismic survey for Al Badra Oil Field in 2010

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

<b>No.</b>	<b>Research Title</b>	<b>Place of Publication</b>	<b>Year</b>
1	Site Assessment Guidance, A Case Study (Ouireej Scrap Yard	Journal of Engineering/Baghdad University	No. 2, vol. 15 , June 2009 , 3840-3854
2	Residential Solid Waste at Point of Generation	Wassit Journal for Science and Technical research	no 3, vol. 2 Aug. 2010, 102-117
3	Household Behavior on Solid Waste Management A Case of Al-Kut City	Journal of Engineering Technology/Technology University	No. 24, Vol.28, Oct. 2010, 7037-7043
4	Risk Assessment Al-Dorah Refinery Warehouses in Khan Dhari A Study Case	Journal of Engineering /Babylon University Pure and Applied Sciences	no.4,Vol. 19 . 2011,
5	Pollution Of Mining Industry Sulfur Purification Plant At Al Mishraq	Journal of Engineering/Baghdad University	No. 5, October vol. 17 ,2011,
6	Detection of Tetracycline, Doxycycline, Chlortetracycline, and Oxytetracycline Antibiotics in Nineveha Drug Wastewater	Nahrain University, College of Engineering Journal (NUCEJ)	No.2, Vol. 15, 2012 pp.215 - <b>221</b>
7	Self Purification in Al-Saqlawiya Drain In Abu-Grebe	Journal of Engineering/Baghdad University	No. 10, October vol. 18 2012
8	Detection and Removal of Polycyclic Aromatic Hydrocarbon from Selected Areas in Tigris River in Baghdad City	Journal of Engineering/Baghdad University	No. 7, Jul., vol.19, 2013
9	The legacy of Occupation	Hamorabi Center/Al- Nahrine Society	2013
10	Organic Solid Waste in Vessel Composting System	Journal of Engineering/Baghdad University	No. 4, April, vol.20 2014
11	Bio-solids Management for Fertilizer Quality Using Co- composting Process	Journal of Engineering/Baghdad University	No. 1, Jan. vol. 21, 2015

12	Adding Cellulosic Ash to Composting Mix as a Soil Amendment	Journal of Engineering/Baghdad University	No. 4, Apr. vol.22, 2016
13	Production of Biofuels from selected Cellulosic Waste Materials	Journal of Engineering/Baghdad University	No. 8, Aug. vol. 23, 2017
14	Impact of Soci-Economic Status on Biodegradable Content of Residential Solid Waste At Point of Generation	Journal of Engineering and Sustainable Development	Vol. 22, No. 2 (part-4), March 2018
15	Babylon Governorate Municipal Generation Rate	Journal of Engineering/Baghdad University	No. 9 Sep. Vol. 24 2018
16	Environmental Footprint and Sustainability of Baghdad City	Association of Arab Universities Journal of Engineering Sciences	No.3 (26 ) 2019 112-123
17	Aerobic Municipal Solid Waste Compost Quality According to Different Layers of Composting Bioreactor.	Journal of Arab Universities Union	No. 3 Aug. vol. 26 2019
18	Evaluation of Heavy Metals Content in Simulated Solid Waste Food Compost	Journal of Engineering/Baghdad University	No. 9 Sep. vol. 25 2019
19	Modified Model for Municipal Solid Waste in Simulated Controlled Sanitary and Bioreactor Landfills	Journal of Engineering and Applied Sciences	November 2019 14(4):7305-7312
20	Effect of Leachate Recirculation on Biological Stability of Municipal Solid Waste Under Simi-Arid Conditions	AL-Qadisiyah Journal for Engineering Sciences	No. 2. Vol. 12 (2019) 079–083
21	Stabilization of Al-Rustamiya Waste Water Treatment Plant Sludge Using Lime	Association of Arab Universities Journal of Engineering Sciences	No. 1 Vol. 27 50–53 2020
22	<b>Modeling of municipal solid waste landfill gas generation: a case study, Kirkuk, Iraq</b>	J. Mater. Environ. Sci.	Volume 10, Issue 10, Page 986-993 2019
23	Stabilization of Al-Rustamiya Biosolid Using Lime (Heavy metals removal)	Journal of Engineering/ Baghdad University	No. 9 Volume 26 Sep. 2020

24	Comparison of a Traditional Landfill and a Mechanically-Biologically Treated waste Landfill (Case study; Kirkuk landfill)	Tikrit Journal of Engineering Sciences	2021; 28(2): 73- 79.
25	Landfill Liner: A Review of Materials and Enhancement Potential	International Journal of Innovation, Creativity and Change	<b>Sept. 2020</b>
26	Surface soil enhancement for MSW lining by silica fume	Journal of Physics Conference Series	18 May 2021

### ■ **Ninth, Membership:**



### **Tenth, Awards and Certificates of Appreciation:**

<b>No.</b>	<b>Name of Awards and Certificates</b>	<b>Donor</b>	<b>Year</b>
1	Certificate of appreciation and thanking	Ministry of Environment /Administration Directorate Affairs	2004
2	Thanking certificate	Technology University/Civil and Construction Eng. Department	2005
3	Certificate of appreciation and thanking	Regional and Urban Planning institution	<b>2005</b>
4	Certificate of appreciation and thanking	Ministry of Environment /Administration Directorate Affairs	<b>2005</b>
5	Certificate of appreciation and thanking	Ministry of Environment Planning and technical affairs follow up Directorate	<b>2005</b>
6	Thanking certificate	Dean of Engineering College Baghdad University	<b>10/4/ 2007</b>
7	Certificate of appreciation and thanking	President of Baghdad University	<b>2008</b>
8	Certificate of appreciation and thanking	Ministry of Environment/Deputy Minister	<b>28/8/ 2008</b>
9	Certificate of appreciation and thanking	Hamorabi Center/ Al-Nahrine Society	<b>12/ 4/2012</b>



10	Certificate of appreciation and thanking	Baghdad Eng. College	26/ 12/2013
11	Certificate of appreciation and thanking	Baghdad University	2014
12	Certificate of appreciation and thanking	Ministry of Environment/Deputy Minister	2014
13	Certificate of appreciation and thanking	Dean of Engineering College Al Mustansirya University	6/ 11/ 2014
14	Certificate of appreciation and thanking	Administration Affairs Tikrit Engineering College	23/ 2/ 2015
15	Certificate of appreciation and thanking	Technology University/Civil and Construction Eng. Department	29/ 6/ 2015
16	Certificate of appreciation and thanking	Administration Affairs / Engineering College/ Baghdad University	26/ 9/ 2016
17	Valuing efforts	Secretariat of the University Council/ Baghdad University	6/ 6 / 2018
18	Certificate of appreciation and thanking	President of Baghdad University	13/11/2017
19	Certificate of appreciation and thanking	Dean of Al- Nahrain University / College of Engineering	12/2/2018
20	Certificate of appreciation and thanking	President of Baghdad University	13/ 3/2018
21	Certificate of appreciation and thanking	Minister of Higher Education and Scientific Research	9/8/2020
22	Certificate of appreciation and thanking	Minister of Higher Education and Scientific Research	15/8/2021

**Eleventh, Scientific literature:**

No.	Scientific Literature Title	Year of The Publication
1		
2		
3		

**Twelfth, languages:**

- ✓ English language
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**9. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned**

1. Name of assignment or project: **Assessment of Environmental hot Spot in Iraq**  
Year: **2005**  
Client: **Ministry of Environment**  
Positions held: **Team leader**
2. Name of assignment or project: **Environmental Survey of Drinking water, sewage and municipality services in Iraq / 2005)**  
Year: **2006**  
Client: **Ministry of Planning and Development Cooperation**  
Positions held: **Expert**
3. Name of assignment or project: **Solid Waste Management in Iraq Southern Governorates**  
Year: **2007**  
Client: **Ministry of Municipalities and Public Works**  
Positions held **Expert**
4. Name of assignment or project: **Assessment of Iraq Southern Marshlands**  
Year: **2007**  
Client: **Baghdad College Engineering Beruea**  
Positions held: **Expert**
5. Name of assignment or project: **Water Baseline Assessment in Al-Kut City**  
Year: **2009**  
Client: **Ministry of Municipalities and Public Works**  
Positions held: **Expert**
6. Name of assignment or project: **Assessment of Sewage works in Al-Kut City**  
Year: **2009**  
Client **Ministry of Municipalities and Public Works**  
Positions held: **Expert**
7. Name of assignment or project: **Solid Waste Management in Al-Kut City**  
Year: **2008-2009**  
Client: **Ministry of Municipalities and Public Works**  
Positions held: **Expert**
8. Name of assignment or project: **Seismic Environmental Assessment Impacts of Badra Oil Field**  
Year: **2010**  
Client: **Ministry of Oil**  
Positions held: **Expert**
9. Name of assignment or project: **Environmental Survey of Drinking Water, Sewage and Municipality Services in Iraq / 2010)**  
Year: **2011**  
Client: **Ministry of Planning and Development Cooperation**  
Positions held: **Expert**
10. Name of assignment or project: **Environmental Survey for industrial Sector in Iraq for the year 2011**  
Year: **2012**

Client: **Ministry of Planning and Development Cooperation**

Positions held: **Expert**

**11. Name of assignment or project :Environmental Impact Assessment**

Year: **2012, 2013**

Client: **Ministry of Environment**

Position Held: **Consultant**

**12. Name of assignment or project: \_Slaughterhouses Survey through Iraq Governments for the year 2012**

Year: **2013**

Client: **Ministry of Planning and Development Cooperation**

Positions held: **Expert**

**13. Name of assignment or project: \_Medical Hazardous Waste Survey through Iraq Governments**

Year: **2014**

Client: **Ministry of Planning and Development Cooperation**

Positions held: **Expert**

**14. Name of assignment or project: \_Preparation of A Draft Specification for the Use of Treatment Plants Sludge in Land Fertilization**

Year: **2015**

Client: **Ministry of Environment**

Positions held: **Expert**

**15. Name of assignment or project : EIA study for Hazardous Sites Treatment**

Year: **2021**

Client: **Ministry of Environment**