**C.V**



**Name:** Jathwa A. Kareem Ibrahim MohammedAl-Ameen

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

**Religion:** Muslim

**Martial statues:** Married

**Specialization:** Environmental Engineering

**Scientific Degree:** Assistant professor

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

Department of EnvironmentalEngineering

**E-mail:** [**dr.Jathwa.alameen@coeng.uobaghdad.edu.iq**](mailto:dr.Jathwa.alameen@coeng.uobaghdad.edu.iq)

jathwa58@yahoo.com

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| --- | --- | --- | --- |
| **Date** | **College** | **University** | **Degree science** |
| **1980** | Engineering | Baghdad | **B.Sc.** |
| **1996** | Engineering | Baghdad | **M.Sc.** |
| **2003** | Engineering | University of Technology | **Ph.D.** |

* **First, Scientific Certification:**
* **Second, Career**

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| --- | --- | --- | --- |
| **From -To** | **Workplace** | **Career** | **No.** |
| 1987-1980 | **CENTER ORGANIZATION FOR STANDARDIZATION AND QUALITY CONTROL/ Quality Control Lab./**  **PLANNING MINISTRY** | **Evaluation manager** | 1 |
| 1989-1988 | **MANAGER OF BAGHDAD DIRECTORATE FOR ENVIRONMENT PROTECTION AND IMPROVEMENT/**  **HEALTH MINISTRY** | **Directorate Manager** | 2 |
| 9919-1989 | **WATER RESOURCES PROTECTION DEPARTMENT/ ENVIRONMENT PROTECTION CENTER/**  **HEALTH MINISTRY** | **Center Manager** | 3 |
| 2003-1999 | **ENVIRONMENT PROTECTION COUNCIL / ENVIRONMENT PROTECTION AND IMPROVEMENT DIRECTORATE/ MINISTERS COUNCIL** | **Member** | 4 |
| 2003-2004 | **SOLID AND HAZARDOUS WASTE DEPARTMENT / MINISTRY OF ENVIRONMENT** | **HEAD OF SOLID AND HAZARDOUS WASTE DEPARTMENT** | 5 |
| 2006-2004 | **MINISTRY OF ENVIRONMENT** | **D.G. ASSISTANT in PLAN. & Tech. Fellow-up Office**  **&**  **HEAD OF INDUSTRIAL POLLUTION DEPARTMENT** | 6 |

* **Third, University Teaching.**

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

* **Fourth, Courses:**

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| --- | --- | --- | --- |
| **Year** | **Subject** | **Department** | **No.** |
| 2006 -2010 | Global Environment Problems/Ph.D | Environmental Engineering  Baghdad College of Engineering | 1 |
| 2006-…….. | Environmental Management/Ph.D | Environmental Engineering  Baghdad College of Engineering | 2 |
| 2006-2018 | Solid waste Management/MSc. | Environmental Engineering  Baghdad College of Engineering | 3 |
| 2007-2008 | Hazardous waste Management/MSc. | Environmental Engineering  Baghdad College of Engineering | 4 |
| 2007-2009 | Environmental Management/4th grade | Environmental Engineering  Baghdad College of Engineering | 5 |
| 2007-…….. | Solid waste/3rd grade | Environmental Engineering  Baghdad College of Engineering | 6 |
| 2008 -2010 | Industrial Safety/3rd grade | Environmental Engineering  Baghdad College of Engineering | 7 |
| 2009-2011 | Statistics/2nd grade | Environmental Engineering  Baghdad College of Engineering | 8 |
| 2009-2010 | Computer Programming /1st stage | Environmental Engineering  Baghdad College of Engineering | 9 |
| 2007-2008 | Design/4th grade | Civil Engineering  Baghdad College of Engineering | 10 |
| 2009- ……. | Design/4th grade | Environmental Engineering  Baghdad College of Engineering | 11 |
| 2011-…….. | Analytical Chemistry | Environmental Engineering  Baghdad College of Engineering | 12 |
| 2012-2013 | Solid Waste Management  Msc | Environmental Engineering  Al- Mustensriya College of Engineering | 13 |
| 2013-2017 | Environmental Health and Safety | Petroleum Engineering  Baghdad College of Engineering | 14 |
| 2015-2016 | Analytical Chemistry | Energy Engineering  Baghdad College of Engineering | 15 |
| 2019-2020 | Engineering Economy | Environmental Engineering  Baghdad College of Engineering | 16 |
| 2020-….. | English /Ph.D | Environmental Engineering  Baghdad College of Engineering | 17 |
| 2020-…… | Research Methodology/Ph.D | Environmental Engineering  Baghdad College of Engineering | 18 |
| 2020-…… | English /Ph.D | Petroleum Engineering  Baghdad College of Engineering | 19 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Department** | **Thesis Title** | **No.** |
| **2012** | **Env. Dep.** | **Detection and removal of PAH from selected sites in Tigris River through Baghdad** | **1** |
| **2013** | **Env. Dep.** | **Composting of Municipal Organic Solid Waste Using In-Vessel Bioreactor** | **2** |
| **2013** | **Env. Dep.** | **Co-composting of Organic Fraction of Municipal Solid Waste and Sewage Sludge for Fertilizer Production** | **3** |
| **2014** | **Env. Dep.** | **Converting Selected Cellulosic Waste Materials into Biofuels** | **4** |
| **2015** | **Env. Dep.** | **Adding of the Bottom Cellulosic Ash to the Food Waste as a Soil Amendment** | **5** |
| **2016** | **Petroleum Dep.** | **Environmental Impact Assessment for constituents in Produced Waters from Conventional Oil and Gas Production** | **6** |
| **2018** | **Env. Dep.** | **Site selection of transfer stations and Sanitary Landfill by Implementing Geographic Information System; Case Study Babylon, Iraq** | **7** |
| **2018** | **Env. Dep.** | **Evaluation and Characterization of Heavy Metals during Biodegradable Solid Waste Composting** | **8** |
| **2018** | **Architecture**  **Dep.** | **Environmental Footprint and Sustainability of Baghdad City** | **9** |
| **2019** | **Env. Dep.** | **Using treatment plant's sludge as biosolids** | **10** |
| **2019** | **Env. Dep.** | **Volumetric and specific deformation analysis of municipal solid waste using pilot and bench scale** | **11** |
| **2020** | **Env.Dep.** | **Investigation of Municipal Solid Waste Pretreatment on the Landfill Stability Parameters (Kirkuk City Landfill-Case Study)** | **12** |
| **2020** | **Env.Dep.** | **Evaluation of Alkali-Treated Sewage Sludge as Biosolids** | **13** |
| **2021** | **Env.Dep.** | **Sewage sludge sanitizing for agricultural purposes** | **14** |
| **2021** | **Env.Dep.** | **Comparison of Leachate Quality of Pre-Sorted and Compacted Municipal Solid Waste with High Organic and Moisture Content (Case Study- Al-Mosul City)** | **15** |
| **2022** | **Env.Dep.** | **Evaluation of Solid Waste Generation Rate and Lysimeter performance Using Granite- Marble Sawing Materials as Liners (Baghdad City as Case Study)** | **16** |
| **2023** | **Env.Dep.** | **Detection of Mercury Vapors and Zinc Oxide analysis in Dental Solid Waste** | **17** |
| **2023** | **Env.Dep.** | Impact of Leachates Recirculation on the Stabilization of Fresh, Aged and Fermentable Municipal Solid Wastes in Simulated Bioreactor Landfill. | **18** |

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

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| **Type of Participation** | **Place** | **Year** | **Conferences Title** | **No.  ( بحث / بوستر حضور)** |
| On the behalf of Ministry of Environment | Jordan Amman | 1999 | Water Conservation and Reuse | 1 |
| On the behalf of Ministry of Environment | Egypt  /CIRO | 2004 | 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 | 2 |
| On the behalf of Ministry of Environment | Amman | 2005 | Integrated Water Resource Management | 3 |
| Team leader | Amman | 2004 | Environmental Assessment of hot spots in /Iraq/Planning | 4 |
| Team leader | Swiss | 2004 | Environmental Assessment of hot spots in Iraq/ Sampling | 5 |
| Team leader | Amman | 2005 | Environmental Assessment of hot spots in Iraq/Assessment | 6 |
| Participant | Baghdad | 10 -11  May 0172 | The Second Scientific Conference of Graduate Studies in Chemical Engineering / University of Technology | 7 |
| Participant | Baghdad | 20-21  Dec. 2017 | The Second Scientific Conference of Graduate Studies / University of Baghdad | 8 |
| Participant | Baghdad | 28 -29  March 2018 | The Fourth Scientific Engineering and First Sustainable Engineering Conference / Mustansiriyah University |  |

* **Seventh, Scientific Activities:**

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| **Outside the College** | **Within the College** |
| Environmental expert in Ministry of Environment | Give lectures on environment pollution in the continuous Learning Center |
| Contribution in Environmental survey in 2005-2006 with ministry of planning as an Environmental expert | Evaluating studies and surveys |
| Contribution in Environmental survey in 2010-2011 with ministry of planning as an Environmental expert | Making EIA studies for industrial activities |
| 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:**

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| --- | --- | --- | --- |
| **No.** | **Research Title** | **Place of Publication** | **Year** |
| 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 - **221** |
| 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 | Hammorabi 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 ) 112-123  2019 |
| 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  **Entessar Hussaina**  **Jathwa Al-Ameen** | Journal  of Engineering and Applied Sciences | 14(4):7305-7312  November 2019 |
| 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 | **Modeling of municipal solid waste landfill gas generation: a case study, Kirkuk, Iraq** | 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 | Sept.  2020 |
| 26 | Surface soil enhancement for MSW lining by silica fume | Journal of Physics Conference Series | 18 May 2021 |
| 27 | Sewage sludge sanitizing for agricultural purposes | Indian Journal of Ecology | 2021 |
| 28 | Municipal Solid Waste Generation Rate of Al- Mosul City (Case study) | Indian Journal of Ecology | 2021 |
| 29 | Transformation of Biodegradable Organic Municipal Solid Waste to  Compost Using Stationary and Rotary Units | Iraqi Journal of Industrial Research (IJOIR) | Vol. 8, No. 3 (2021) |
| 30 | **Detection of Mercury Vapor in Selected Governmental Dental Health Care**  **Centers in Al-Karkh- Baghdad** | Pakistan Journal of Medical and Health Sciences | Vol. 16 No. 06 (2022)  0 |
| 31 | Phytoremediation Of Nineveh Drug Industry Wastewater Using Lemna Spp. (Duckweed) | Indian Journal of Ecology | 49 Special Issue (20): 194-199  2022 |

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| **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 stud**y** for **Hazardous Sites Treatment**  Year: **2021**  Client: **Ministry of Environment**  16. Preparing **Environmental Impact Assessments reports** for various projects, for the benefit of the Engineering Consulting Office at the College of Engineering at the University of Baghdad  Year: 2006-present |