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## CURRICULUM VITAE

**Forename:** Nashwan  
**Middle name:** Shawkat  
**Surname:** Mizzouri  
**Date of Birth:** 31.07.1975  
**Place of Birth:** Nineveh  
**Nationality:** Iraqi  
**Sex:** Male  
**Marital Status:** Married  
**Date of Academic Employment:** 07.03.2005  
**Academic States:** Lecturer  
**Specialization:** Sanitary and Environmental Engineering  
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### Education:

1. Ph.D. in Civil Engineering/Environmental and Sanitary Engineering (University of Malaya, Kuala Lumpur, Malaysia), 2013
2. M.Sc. in Environmental and Sanitary Engineering(University of Baghdad, Baghdad, Iraq), 2000
3. B.Sc. in Civil Engineering/Environment (University of Mosul, Mosul, Iraq), 1997

### Language:

Language	Reading	Writing	Speaking
English	√	√	√ (fluently)
Arabic	√	√	√(fluently)
Kurdish	√	√	√(fluently)
Any Other Language			

## Experience:

No.	University or Institute	Position	From	To
1.	University of Duhok	Lecturer	09-2016	Until now
Responsibilities	<ul style="list-style-type: none"> <li>• Research</li> <li>• Consultant with consultant engineering bureau.</li> <li>• Teaching the following courses (water supply engineering, environmental and sanitary engineering, and building services engineering).</li> <li>• Capacity building for engineers by conducting workshops and trainings.</li> <li>• Fund raising for the University for example, Erasmus Plus program.</li> </ul>			
2.	University of Duhok	Head of civil engineering department	12-2013	09-2016
Responsibilities	<ul style="list-style-type: none"> <li>• Administration works and fund raising</li> <li>• Research</li> <li>• Consultant with consultant engineering bureau.</li> <li>• Teaching the following courses (water supply engineering, and environmental &amp; sanitary engineering).</li> <li>• Capacity building for engineers by conducting workshops and trainings.</li> </ul>			
3.	University of Duhok	Ass. Lecturer	10-2005	1-2009
Responsibilities	<ul style="list-style-type: none"> <li>• Research</li> <li>• Consultant with consultant engineering bureau.</li> <li>• Teaching the following courses (water supply and sanitary engineering, environmental engineering, environmental and sanitary engineering, and water quality engineering).</li> </ul>			
4.	University of Malaya/ Malaysia	Research assistant	12-2009	12-2011
Responsibilities	<ul style="list-style-type: none"> <li>• Experimental work</li> <li>• Writing research papers</li> <li>• Fund raising</li> </ul>			
5.	University of Mosul	Ass. Lecturer	03-2005	10-2005
Responsibilities	<ul style="list-style-type: none"> <li>• Research</li> <li>• Consultant with consultant engineering bureau.</li> <li>• Teaching descriptive geometry course.</li> </ul>			
6.	Coalition forces	Site Civil engineer	05-2003	10-2004
Responsibilities	<ul style="list-style-type: none"> <li>• Prepare bill of quantities and design of drawings for civilian projects and supervise the renovation of more than 35 schools, building two new school building new checkpoint and implementing two water projects.</li> <li>• Find new civilian projects for the villages which is in bad conditions and prepare bill of quantities and drawings.</li> <li>• Translate English, Arabic and Kurdish.</li> </ul>			
7.	United Nations / Food and Agriculture Organization (FAO)	Site Civil Engineer	11-2002	03-2003

No.	University or Institute	Position	From	To
Responsibilities	<ul style="list-style-type: none"> <li>Supervise the construction of irrigation projects</li> <li>Prepare daily reports for FAO office.</li> </ul>			
8.	University of Duhok	Lecturer	12-2001	07-2002
9.	Khanes Bureau for Scientific Research	Researcher	06-2001	11-2001
10.	Almajd Company	Civil engineer	07-1998	05-2001

### Training Programs & Workshops:

	Program	Place	Period	Year
1.	LASER Buy-In grant for UoD (5,100,000 US\$ ) from USAID organization for a program under title “Cultural Restoration Program for Northern Iraq”	University of Duhok and University of Notre Dame, USA	10/1/2019 – 03/31/2023	2019-2023
2.	<b>Trainer</b> for 25 persons representing staff of international and local NGOs including (GIZ, ACTED, CARE, Harikar, BCF) and representative from local authorities including Municipalities, Environment, Sewerage and Ground water directorates, with representatives from BRHA and Camp managers. Sponsored by world GIZ organization <b>“Decentralized Sanitation Solutions and Scenarios in Duhok Governorate”</b>	University of Duhok	from 7 to 8 October, 2018	2018
3.	<b>Trainer</b> for engineers of directorate of water Sponsored by world vision organization <b>“Operation and Maintenance of Water Treatment Plant Units Including Equipment and Pumps”</b>	University of Duhok	from 27 to 28 December, 2017	2017
4.	Trainer for engineers of directorate of water Sponsored by world vision organization <b>“Solar Technology, Pump Sizing, Leak Detection, and Non-Revenue Water Management”</b>	University of Duhok	28 December	2017
5.	Granted Fulbright Visiting Scholar Program	USA, University of Delaware	30 June – 8 <sup>th</sup> of September, 2017	2017
6.	Got budget (41000 US\$ ) from IREX organization for proposed program under title“ Toward internationalizing publications from the University of	University of Duhok and	February 2016- February 2017	2016-2017

	Duhok”	Vanderbilt University , Nashville, USA		
7.	<b>Training</b> in Vanderbilt University “(1) Scholarly leadership, (2) Mentoring and Being Mentored, (3) Project Management, (4) Data Management, (5) Research Ethics, (6) Finding Sponsored Research Funding, (7) Scientific Collaborations, and (8) Scholarly Publication”.	Vanderbilt University , Nashville, USA	September 12-21	2016
8.	Virtual workshop linkages with Vanderbilt University (USA) titled “Scholarly writing and publications”	Student center, University of Duhok	July 12-24, 2016	2016
9.	<b>TRAINER FOR STAFF OF SAVE THE CHILDREN ORGANIZATION “SANITARY, WATER SUPPLY, AND ENVIRONMENTAL ENGINEERING TRAINING COURSE”</b>	High Crest, Sulaimaniya	May 23-25	2016
10	CONCEPT OF ENTREPRENEURSHIP WORKSHOP	Erbil International Hotel/Erbil/ Kurdistan Iraq	7-8 February	2015
11	PROFESSIONAL MASTER’S DEGREE (PMD) WORKSHOP	Erbil International Hotel/Erbil/ Kurdistan Iraq	February, 5	2015
12	<b>TRAINER FOR ENGINEERS OF DIRECTORATE OF WATER “WATER DISTRIBUTION NETWORKS, DESIGN, CONSIDERATIONS AND USE OF EPA NET PROGRAM”</b>	Faculty of Engineering , University of Duhok	January, 12-15	2015
13	INTRODUCTION TO STUDENT CENTER TEACHING STRATEGIES	Faculty of Engineering , University of Duhok	January, 14	2014
14	SCIENTEFIC WRITING WORKSHOP FOR ADVANCED ENGINEERING THECHNOLOGY RESEARCH CLUSTER	Faculty of Engineering , University of Malaya, Malaysia	07 April	2010
15	GERHARDT’ S PRODUCT TRAINING, KJELDAHI METHODS	Faculty of Engineering , University of Malaya, Malaysia	09 March	2010
16	SHORT COURSE ON XRF SPECTROSCOPY AND	School of	05-06	2009

	MATERIAL CHARACTERIZATION	environmental engineering, University Malaysia Perlis, Perlis, Malaysia	August	
17	ACADIMIC WRITING	Faculty of languages and linguistics, University of Malaya, Malaysia	13 July to 26 October	2009
18	ENGLISH FOR INTERNATIONAL POSTGRATUATE STUDENT	Faculty of languages and linguistics, University of Malaya, Malaysia	13 April to 18 June	2009
19	FUTURE WATER LEADERS PROGRAM “EXPANDING THE WATER TO REACH THE POOR”	USAID, Amman, Jordan	03-07 August	2008
20	SCIENTIFIC METHODOLOGY AND PROPOSAL WRITING	International Foundation for Science (IFS), Amman, Jordan	29 June – 03 July	2008
21	KURDISTAN CONSULTANCY ENGINEERING AND DESIGN ORGANIZATIONS (KURDISTAN CEDOS)	Workshop in Erbil, Iraq	27 -29 May	2008
22	MAPINFO COURSE	The regional information and mapping center	05-26 November	2006
23	TEACHING METHODS	University of Mosul, Mosul	2 months	2-2005

### **Conferences & Symposiums:**

	Conference	Place	Period	Year
1.	Decentralized / Semi-Centralized Sanitation Solutions in Duhok Governorate – Case Study”, 6 <sup>th</sup> International Engineering Conference (IEC 2020),	Tishk International University and	February 26-27	2020

Conference		Place	Period	Year
		Erbil Polytechnic University, Erbil.		
2.	Medical Hazardous Waste Generation in Duhok Governorate: the Proper Disposal and Management Methods, 1 <sup>st</sup> International Conference on Engineering Challenges in Kurdistan Region (ICECKR2018).	University of Nawroz	5-6 May	2018
3.	<i>ASSESSMENT OF GREY WATER DISPOSAL AND DIFFERENT TREATMENT OPTIONS FOR DOMIZ CAMP IN DUHOK CITY</i> , 2nd International Conference of the College of Engineering: Recent Innovations in Engineering (ICRIE)	University of Duhok, Duhok, Kurdistan, Iraq	April 26 - 27, 2017	2017
4.	<i>KINETIC PARAMETERS OF PHENOL BIODEGRADATION WITH DIFFERENT MICROORGANISMS: A REVIEW</i> , 2nd International Conference of the College of Engineering: Recent Innovations in Engineering (ICRIE)	University of Duhok, Duhok, Kurdistan, Iraq	April 26 - 27, 2017	2017
5.	Performance study of SBR system for petroleum wastewater treatment. Paper presented at the Proceedings of the International Conference on the Environment and Natural Resources (ICENR) "The Changing Environment: Challenges for Society	University Salaya, Thailand.	10-12 November	2010
6.	Dispersed Growth Biological Treatment of Petroleum Wastewater: A review Paper presented at the International Conference For Technical Postgraduates.	Kuala Lumpur, Malaysia.	14-15 December	2009

Conference		Place	Period	Year
7.	Identifying point sources and non-point sources of water pollution in Dohuk dam watershed.	Taiz University, Republic of Yemen	14-16 May	2007
8.	2 <sup>nd</sup> Environmental Conference – Water	Duhok	25-27 April	2007
9.	1 <sup>st</sup> Environmental Conference	Green Pease Organization, Erbil	29-31 March	2006
10.	“Environmental radiological pollution from the use of DU weaponry against Ninevah governorate during the war”, proceedings of the conference on the effects of the use of DU weaponry on human and environment in Iraq.	Baghdad, Iraq.	March 26- 27	2002

### **Teaching Experience (Undergraduate Studies):**

Subject	Place	Period
Water Supply Engineering	University of Duhok, Faculty of engineering, Civil engineering department / fourth grade	2013-2019
Environmental and Sanitary Engineering	University of Duhok, Faculty of engineering, water resources department / fourth grade	20013-2019
Building Services	University of Duhok, Faculty of engineering, Architectural engineering department / Third grade	
Sanitary Engineering	University of Duhok, Faculty of engineering, Civil engineering department / fourth grade	2016-2017
Environmental and Sanitary Engineering	University of Duhok, Faculty of engineering, water resources department / fourth grade	2005-2009
Water quality and Pollution	University of Duhok, Faculty of engineering, water resources department / second grade	2005-2009
Environmental Engineering	University of Duhok, Faculty of engineering, Civil engineering department / second grade	2007-2008
Descriptive Geometry	University of Mosul, Faculty of engineering, Civil engineering department / first grade	2005

Environmental and Sanitary Engineering	University of Duhok, Faculty of engineering, water resources department / Third grade	2001-2002
Descriptive Geometry	University of Duhok, Faculty of engineering, Civil engineering department and water resources department / first grade	2001-2002

### **Published Studies and Researches:**

- 1- Nashwan Shawkat Mizzouri, Shawkat Ahmed Kochary, Nesreen Barwari “ Decentralized / Semi-Centralized Sanitation Solutions in Duhok Governorate – Case Study”, 6<sup>th</sup> International Engineering Conference (IEC 2020), Held in Erbil, Kurdistan Region-Iraq on February 26-27, 2020 by the collaboration of Tishk International University and Erbil Polytechnic University and technically sponsored by IEEE.
- 2- Nashwan Shawkat Mizzouri, , Md Ghazaly Shaaban, Diya'uddeen Basheer Hasan, Hambali Umar Hambali and Seyyed Alireza Mousavi (2019) Enhancing Sequencing Batch Reactor (SBR) Performance using Zeolite and Granular Activated Carbon in the Treatment of Petroleum Refinery Wastewater, accepted Water SA Journal. (Impact Factor 1.1) (Thomson Reuters).
- 3- Algabban Maha M., Mizzouri, Nashwan Sh. Mahmood, Fadhil R., Hassan Hussein H. (2018), Assessment of Waste Generation rate of Medical Hazardous in Duhok Governorate (Proposal of alternative disposal and management methods), Academic Journal of Nawroz University, v. 7, n. 4, p. 139-152, dec. 2018. ISSN 2520-789X. Available at: <<https://journals.nawroz.edu.krd/index.php/ajnu/article/view/283>>. Date accessed: 13 feb. 2019. doi: <https://doi.org/10.25007/ajnu.v7n4a283>.
- 4- Mizzouri, Nashwan Sh., Algabban Maha M. & Hassan Mohammed H. (2017) Assessment of Grey Water Disposal and Different Onsite Treatment Options for Domiz Camp in Duhok City. Journal of University of Duhok (JDU): Special Issue, Vol. 20, No. 1.
- 5- Mizzouri, Nashwan Sh., (2017) Kinetic parameters of phenol biodegradation with different microorganisms: A review. Journal of University of Duhok (JDU): Special Issue, Vol. 20, No. 1.
- 6- Y. Yosofi, A. Almasi, S. A. Mousavi, N. Shawkat Mizzouri, (2016). Decolorization of Methylene Blue from Aqueous Solution Using Ultrasonic/ Fenton Like Process. IJE TRANSACTIONS B: Applications Vol. 29, No. 11 (Scopus)
- 7- BH Diya'uddeen, SR Pouran, ARA Aziz, SM Nashwan, Wan Mohd Ashri Wan Daud, M.G. Shaaban, (2015). Hybrid of Fenton and sequencing batch reactor for petroleum refinery wastewater treatment. Journal of Industrial and Engineering Chemistry, Vol. 25, pp 186–191 (Impact Factor 4.84) (Thomson Reuters).

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- 8- M.I. Ab. Malek · N.A. Awang · N.S. Mahmood · M.G. Shaaban (2015). Microbial Population and Performance in SBR Adapted for Treating Sewage, MSW Leachate and Petroleum Effluents. Poster presented in JSPS-ACP CS5 Japan 19 November 2015.
  - 9- Mizzouri, Nashwan Sh., & Shaaban, Md. Ghazaly (2013). Individual and combined effects of organic, toxic, and hydraulic shocks on sequencing batch reactor in treating petroleum refinery wastewater. *Journal of Hazardous Material*, Vol. 250-251, pp 333-344. (Impact Factor 6.43) (Thomson Reuters).
  - 10- Mizzouri, Nashwan Sh., & Shaaban, Md. Ghazaly (2013). Kinetic and Hydrodynamic Assessment of an Aerobic Purification System for Petroleum Refinery Wastewater Treatment in Continuous Regime. *International Biodeterioration and Biodegradation*. Vol. 83, pp 1-9. (Impact Factor 3.56) (Thomson Reuters).
  - 11- Mizzouri, Nashwan Sh., & Shaaban, Md. Ghazaly. Kinetic of Aerobic Biodegradation for Petroleum Refinery Wastewater Treatment with SBR System. *Journal of Environmental Engineering*. (Submitted) (Impact Factor 1.1)
  - 12- Mizzouri, Nashwan Sh., & Shaaban, Md. Ghazaly. Performance comparison of Petroleum Refinery Wastewater Treatment in SBR and CSTR activated sludge reactors. *Arabian Journal for Science and Engineering*. (Submitted ) (Impact Factor 0.7)
  - 13- Mizzouri, Nashwan Sh., Shaaban, Md. Ghazaly & Johari, I. (2010). *Performance study of SBR system for petroleum wastewater treatment*. Paper presented at the Proceedings of the International Conference on the Environment and Natural Resources (ICENR) “The Changing Environment: Challenges for Society, University Salaya, Thailand.
  - 14- Mizzouri, N., & Shaaban, M. (2009). *Dispersed Growth Biological Treatment of Petroleum Wastewater: A review Paper* presented at the International Conference For Technical Postgraduates. Toward Advancement of Engineering Research – Global Challenges , Kuala Lumpur, Malaysia (ISBN: 978-1-4244-5224-8).
  - 15- Mizzouri; Nashwan Shawkat (2007). Identifying point sources and non-point sources of water pollution in Dohuk dam watershed. 4<sup>th</sup> Conference on the Environment and Natural Resources 14-16 May, Taiz University, Republic of Yemen
  - 16- Al-Azzawi, S., Maarouf, B., and Mizzouri, N., (2002), “Environmental radiological pollution from the use of DU weaponry against Ninevah governorate during the war”, proceedings of the

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conference on the effects of the use of DU weaponry on human and environment in Iraq, March 26-27 2002, Baghdad, Iraq.

## **Proficiencies:**

- Design the plumbing of water supply and sanitary sewer systems for buildings such as Apartments, Hotels, Hospitals, and institutions ...etc.
- Design of centralized /semi-centralized/decentralized wastewater treatment plants.
- Design of water treatment plants for large and small projects.
- Design and analysis of water distribution networks.
- Design and analysis of wastewater collection systems.
- Design of storm sewer collection systems.
- Design of water and sanitary systems for swimming pool.
- Experience in water and wastewater analysis (physical, chemical, and biological characteristics).
- Writing Environmental Impact Assessment reports.
- Tender dossier preparation and/or tender dossier reviewing.
- Involved in “Strategy and Scenarios for the Humanitarian Assistance in the Water and Sanitation Sector in Dohuk” as trainer and report writer
- Trainer for engineers of directorate of water Sponsored by world vision organization “Operation and Maintenance of Water Treatment Plant Units Including Equipment and Pumps”, 2017.
- Trainer for engineers of directorate of water Sponsored by world vision organization “Solar Technology, Pump Sizing, Leak Detection, and Non-Revenue Water Management”, 2017
- TRAINER FOR STAFF OF SAVE THE CHILDREN ORGANIZATION “Sanitary, Water Supply, and Environmental Engineering Training Course”, 2016
- TRAINER FOR ENGINEERS OF DIRECTORATE OF WATER “water distribution networks, design, considerations and use of EPA net program”, 2015
- Designer of the sanitary sections and tanks of Deralok water treatment plant, 2008.
- Designer of Sustainable Black Wastewater Treatment Plant in Dohuk governorate with ACTED sponsored by GIZ, 2019.
- Team Leader and report writer for Feasibility Study (FBS) Terms of Reference Sludge Treatment sponsored by GIZ, 2019.