


Curriculum Vitae: Basil Younus Mustafa

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Academic Profile:	https://staff.epu.edu.iq/faculty/basil.mustafa					
Date of Birth	17 th February, 1964					
Place of birth	Erbil - Iraq					
Academic title	Assistant Professor					
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Academic attainments	Certificate	University	College	Department	Graduation year	Country
	B. Sc.	Salahaddin	Engineering	Civil Engineering	1986	Iraq/Erbil
	M. Sc.	Salahaddin	Engineering	Hydraulic Engineering	1991	Iraq/Erbil
Academic title attained	Academic title				Date of attainment	
	Assistant Lecturer				12/09/1992	
	Lecturer				11/01/1998	
	Assistant Professor				10/03/2007	
General specialization	Civil Engineering / General					
Specific specialization	Hydraulic Civil Engineering					
Languages:						
English	high level (writing/speaking/reading)					
Kurdish	fluent level (writing/speaking/reading)					
Arabic	fluent level (writing/speaking/reading)					
Turkish	fluent level (writing/speaking/reading)					
Employment Records and Experience:						
<p>1- From September 1986 to September 1989, I completed my military service in various locations, where I was responsible for preparing detailed bills of quantities and supervising the execution of numerous military projects.</p> <p>2- From September 1989 to September 1990, I worked as a contractor engineer on numerous significant projects executed by various contracting firms.</p> <p>3- From June 1990 to May 1991, I managed a team of six technical observers responsible for collecting hydrologic data at the Bekhma dam site. Our primary focus was on gathering data from the Balakian and Rawanduz Rivers, the main tributaries of the Greater Zab River near the Bekhma dam site.</p>						

- 4- From September 1992 to July 2001, I served as a lecturer in the Civil Engineering Department at the College of Engineering, University of Salahaddin-Erbil. During this period, from September 1998 to July 2001, I also held the position of Registrar at the College of Engineering, University of Salahaddin-Erbil. Additionally, I worked as a team manager representing the Consulting Engineering Bureau of the College of Engineering. In this role, I led a team of five technical experts on a project focused on mapping the water supply network and sewer system in Erbil City under a contract with UNICEF. Furthermore, I participated as a consultant engineer on behalf of the Consulting Bureau in the execution of an urban water and sanitation survey project in Erbil City, contracted by the HABITAT organization.
- 5- From July 2001 to November 2003, I served as a staff member of the United Nations' FAO (Food and Agriculture Organization) in the Erbil office, Iraq, under the 986 program. In this role, I worked as a Hydraulic Civil Engineer, managing and overseeing a surface water unit in the irrigation sub-sector at the Erbil sub-office.
- 6- From April 1, 2009 to September 2023, I have also served as the Director of the Engineering Consulting Bureau at Erbil Technical Engineering College, Erbil Polytechnic University, Erbil, Iraq.
- 7- From September 1, 2003, to the present, I have been an Assistant Professor in the Civil Engineering Department at Erbil Technical Engineering College, Erbil Polytechnic University, Erbil, Iraq.
- 8- From September 1, 2006, to April 1, 2012, I served as the Head of the Airconditioning and Refrigeration Engineering Department at Erbil Technical Engineering College, Erbil Polytechnic University, Erbil, Iraq.
- 9- From September 1, 2012, to April 1, 2018, I served as the Head of the Civil Engineering Department at Erbil Technical Engineering College, Erbil Polytechnic University, Erbil, Iraq.
- 10- Since September 2023, to the present, I have also been a member of the Engineering Consulting Bureau board at Erbil Technical Engineering College, Erbil Polytechnic University, Erbil, Iraq.
- 11- Since 1998, I have been working as a hydraulic civil engineer designer and consultant, designing and supervising the following projects. This work continues to the present day.
 - A- Hamamok Earth Dam in Koya District /Erbil,2005.
 - B- Soran Water Treatment plant and Supply project/Soran District/ Erbil, 2006.
 - C- Megasoor Water Treatment plant and Supply project/Megasoor District/Erbil, 2007.
 - D- Banu Talaban Earth Dam in Koya District /Erbil, 2010.
 - E- Awa Spi Earth Dam in Sulaimani, 2011.
 - F- 50 farm ponds around Erbil Governorate,2013.
 - G- 15 farm ponds in Koya District /Erbil, 2012
 - H- Rezan Weir and Bridge/Barzan District/Erbil, 2006
 - I- Sartik Earth dam in Erbil, 2014
 - J- Glingaj Earth Dam in Sulaimani, 2013.
 - K- Bawashaswar Earth Dam in Sulaimani, 2013
 - L- Bastora Earth fill Dam in Erbil, 2023.

Conferences:

- 1- Third Scientific Conference of University of Salahaddin, June-1997.Erbil, Iraq.
- 2- First Scientific Research Conference of Brayati Center in cooperation with Salahaddin University, Erbil, Iraq, may,2001.
- 3- 1st Scientific Research Conference of Foundation of Technical Education, Duhok, Iraq, Dec. 2010
- 4- 5th International Mechanical Engineering Forum (IMEF) CZECH University of Life Sciences - Prague, Czech Republic, from 20-22 June 2012.
- 5- 2nd International Engineering Conference (IEC2016), organized jointly by ISHIK University and Erbil Polytechnic University. Erbil. Kurdistan region, Iraq, from 21 – 22 February 2016.
- 6- 10th ICOLD European Club International Symposium (Dams and HEPPs for Sustainable Development), from 25-30 October 2016 in Antalya, Turkey.
- 7- 3rd International Engineering Conference (IEC2017), organized jointly by ISHIK University and Erbil Polytechnic University. Erbil. Kurdistan region, Iraq, from 26 – 27 February 2017.
- 8- 2nd International Conference of the College of Engineering-University of Duhok: Recent Innovations in Engineering (ICRIE 2017), from April 26th to 27th, 2017 in Duhok City, Kurdistan Region – Iraq.
- 9- International Conference of Water and Energy in Kurdistan, Challenges and Alternatives (IC-WEKCA17), organized by College of Engineering-University of Salahaddin, Erbil. Kurdistan region, Iraq, from 14th-15thMay, 2017.
- 10- 4th International Engineering Conference (IEC2018), organized jointly by Tishk international University and Erbil Polytechnic University. Erbil. Kurdistan region, Iraq, from 26 – 27 February, 2018.
- 11- 5th International Engineering Conference (IEC2019), organized jointly by Tishk international University and Erbil Polytechnic University. Erbil. Kurdistan region, Iraq, from 23 – 25 June, 2018.
- 12- 6th International Engineering Conference (IEC2020), organized jointly by Tishk international University and Erbil Polytechnic University. Erbil. Kurdistan region, Iraq, from 26 – 27 February, 2020.
- 13- 7th International Engineering Conference (IEC2021), organized jointly by Tishk international University and Erbil Polytechnic University. Erbil. Kurdistan region, Iraq, from 24 – 26 February, 2021.
- 14- 8th International Engineering Conference (IEC2022), organized jointly by Tishk international University and Erbil Polytechnic University. Erbil. Kurdistan region, Iraq, from 24 – 26 February, 2022.
- 15- 9th International Engineering Conference (IEC2023), organized jointly by Tishk international University and Erbil Polytechnic University. Erbil. Kurdistan region, Iraq, from 15 –16 February, 2023.

Training Courses :-

- 1- Participation in training Course as trainer: - “Higher Education Leadership and Management in Iraq Program “; held at Erbil by (British Council). From 8 to 12th December 2013.
- 2- Participation in training Course as trainer: - “HAVAC in buildings systems – Hydraulics “; held at Zug-Switzerland organized by (Siemens Company). From 15 to 17th September 2014.

- 3- Participation in training Course as trainer: - "Project Management "; held at Zug- Switzerland; organized by (Siemens Company). From 18 to 19th September 2014.
- 4- Participation in training Course as Instructor In the training course for Erbil G.D. of Roads and Bridges Construction and Housing Engineers on Iraqi General Specifications for Roads & Bridges (G.S.R.B.), held from 12th October to 29th December 2022 in Erbil, Kurdistan Region, Iraq. Organized by both Engineering Consulting Bureaus from Erbil Polytechnic University (EPU) & Tishk International University (TIU).
- 5- Participation in training Course as Instructor In the training course for Duhok G.D. of Roads and Bridges Construction and Housing Engineers on Iraqi General Specifications for Roads & Bridges (G.S.R.B.), held from 31th January to 23th May 2023 in Duhok, Kurdistan Region, Iraq. Organized by both Engineering Consulting Bureaus from Erbil Polytechnic University (EPU) & Tishk International University (TIU).

Postgraduate Supervision:

- 1- MSc Research thesis "Effect of Sediment Transport on Friction Factor in Pipes" (2001), Civil Engineering Department / College of Eng./ University of Salahaddin – Erbil.
- 2- MSc Research thesis "Water Crop Requirement for BAKRAJO area in Sulaimani Governorate" (2007), Irrigation Engineering Department / College of Eng./ University of Sulaimani).

Published Researches:

- 1- Study of Sediment Transport for Balakian and Rawanduz River (M.Sc. Thesis, 1991).
- 2- Faisal A. Daham, Ferzand K. Medhat, and Basil Y. Mustafa, "Operator technique effect on determination values of liquid limit", Zanko Journal of Salahaddin university/Erbil, Vol.3, No.1, 1993.
- 3- Basil Y. Mustafa, " The application of four models for prediction of total sediment transport in rivers of northern Iraq ", Zanko Journal of Salahaddin university/Erbil, Vol.1, No.2, 1994.
- 4- Basil Y. Mustafa, " Suspended Sediment concentration and water discharge relationship in Rivers of Northern Iraq", Third Scientific Conference of University of Salahaddin, June, 1997.
- 5- Basil Y. Mustafa, Faisal Daham, and Wali Ali " The quality evaluation of Erbil city ground water used for drinking and domestic purposes ", Zanko Journal of Salahaddin university/Erbil, Vol.10, No.1, 1998.
- 6- Basil Y. Mustafa and Shahin Sabir, " Reuse of Erbil Sewerage for Irrigation Purposes ", First Scientific Research Conference of Brayati Center in cooperation with Salahaddin University, Erbil, Iraq, May, 2001.
- 7- Basil Y. Mustafa, and Evan Augustin " Effect of Sediment Transport on Friction Factor in Pipes ", Zanko Journal of Salahaddin university/Erbil, Vol.17, No.2, 2005.
- 8- Basil Y. Mustafa, Shahin Sabir, and Khalil Karim "Artificial Groundwater Recharge for Erbil Basin", Zanko Journal of Salahaddin university/Erbil, Vol.9, No.1, 2007.
- 9- Basil Y. Mustafa, "Flood discharge calculation for un gauged watersheds in Erbil Governorate", Zanko Journal of Salahaddin university/Erbil, Vol.19, No.2, 2007.
- 10- Basil Y. Mustafa and Iyed M. Eqab "Parameters effects on stability of projectile have both spin and fins", International Scientific Conference 5th International Mechanical Engineering Forum (IMEF2012) CZECH University of Life Sciences - Prague, Czech Republic, June, 2012.

- 11- Basil Y. Mustafa, "Gomaspan Dam Catchment Area Runoff Volume Evaluation by SCS Method", Eurasian Journal of Science and Engineering (EAJSE) -Vol.3 No.2- Dec., 2017.
- 12- Basil Y. Mustafa, Dr. Sarhang M. Husain, and Saud A. Hussien "Hydrological Study and Analysis for Proposed Sartik Dam, Part 1: Stream Flow Data Analysis & Flood Discharge Calculation", Pure and Engineering Sciences - Journal of Duhok University, Vol.20-No.1, Jul., 2017.
- 13- Basil Y. Mustafa, "Hydrological Study and Analysis for Proposed Sartik Dam, Part 2: Reservoir Characteristics, Simulation Model, and Flood Routing Calculations", Pure and Engineering Sciences - Journal of Duhok University, Vol.20-No.1, Jul., 2017.
- 14- Sarhang M. Husain, Abdulla A. Abo, and Basil Y. Mustafa, "Validation of a Numerical Particle Based Method for Free Surface Flow Downstream of Sluice Gates", Zanko Journal of Salahaddin University- ZJPAS (2018) Vol.30(s1) s94-s104.
- 15- Basil Y. Mustafa, "Hydrological Study and Analysis of Two Farm Dams in Erbil Governorate", Eurasian Journal of Science and Engineering (EAJSE) -Vol.3, No.3-June, 2018.
- 16- Saud Ahmed, BASIL Y. Mustafa, FARZAND K.A. "Trend Analysis of Annual and Monthly Rainfall in Erbil City -Kurdistan Region-Iraq", Polytechnic Journal of Erbil Polytechnic University -Vol.9, No.2-November, 2019.
- 17- Basil Y. Mustafa and Nawroz M. Aziz, " Water Crop Requirement for BAKRAJO area in Sulaimaniya Governorate", Published in International Review of Civil Engineering (I.RE.C.E.), Vol. 11, No. 2, April, 2020. DOI: <https://doi.org/10.15866/irece.v11i2.17378>

Published Books:

- 1- BASIL Y. Mustafa, "Hydrological Study and Design of Two Farm Dams in Erbil Governorate", LAP Lambert Academic Publishing, ISBN: 978-620-0-25354-5, Aug., 2019.

Computer and Software Skills:

- 1- Proficiency with Microsoft software's (Word, Excel, PowerPoint)
- 2- Proficiency with Water cad, and Auto CAD Software's
- 3- Advanced knowledge of statistical and numerical analyses using Mat lab, SPSS (v.10-15).

Memberships:

- 1- Member of Kurdistan Engineers Syndicate.
- 2-Member of Iraqi Engineers Syndicate.
- 3- Member of Kurdistan Teachers Union