

NAWROZ UNIVERSITY



Personal Information			
Name:	Avro city-Duhok		
Place & Date of Birth	Mosul 1959	Phone. No.	07508106018-07701601012
Marital Status:	Married	University E-mail	

Employment Information				
Profession Civil Engineer Scientific Title & Acquiring Professor 11-2013 Date				
Type of Relationship with the University	Full time			

Academic & Scientific Degrees					
Degree	Bachelor Master PhD				
University Name	Mosul	Mosul	Mosul		
Degree granting country	Iraq	Iraq	Iraq		
Date of acquiring degree	1982	1988	2007		
Title of Master Thesis	Shrinkage characteristics of different concrete mixes based on different mix design methods				
Specialization	structure				
Title of PhD Dissertation	ANN Modelling of Elasto-Plastic Plates				
Specialization	Structure				

	Teaching Expertise			
From	То	Scientific Title	University Name	Given(taught)Subject Materials
1988	1993	Assistant lecturer	Mosul	Calculus I
1996	2014	Assistant lecturer	Mosul	Engineering analysis and numerical methods
1995	2000	Assistant lecturer	Mosul	Numerical analysis (MSc)
1989	1995	Assistant lecturer	Mosul	Structural drawing
2003	2014	Assistant Prof., Prof.	Mosul	Advanced Engineering Mathematics (MSc and PhD courses)
2017	2019	Professor	Isra	Calculus III
2017	2019	Professor	Isra	Structure analysis I and II

2017	2019	Professor	Isra	Advanced structural analysis (MSc)
2019	2021	Professor	Al-Qalam	Structure analysis I and II

	Managerial Expertise		
From	То	Name of the University or Institution	
2019	2021	Head of civil engineering Dept. Al-Qalam University College	

Authored Translated Books			
Name of the Book (title)	Place of Publication	Date	
Optimum Structural Cost, A Genetic Algorithms Approach	Germany.	2015	
Artificial Neural Networks Modelling of Elasto-Plastic Plates	Germany	2017	

Scientific Researches			
Research title	Place of Publication	Date	
Modelling of shear behaviour of R.C. beams strengthened with carbon fiber reinforced polymer (CFRP) using artificial neural networks (ANN)	IRJET	Aug 2021	
Time Dependent Properties of Concrete: A State of the Art Review	JoCEF	Aug. 2021	
Dynamic response of reinforced concrete members incorporating steel fibers with different aspect ratios	Advances in Concrete Construction	2021	
Performance of RC Skew Box Culvert: Application of the Finite Element Modelling and Artificial Intelligence	Journal of University of Duhok	2020	
Computational parameter identification of strongest influence on the shear resistance of reinforced concrete beams by fiber reinforcement polymer	Structures	October 2020	
Computational earthquake performance of plan-irregular shear wall structures subjected to different earthquake shock situations	Earthquakes and Structures	May 2020	
Prediction of the flexural behavior of corroded concrete beams using combined method	Structures	June 2020	
Identification of the most influencing parameters on the properties of corroded concrete beams using an Adaptive Neuro-Fuzzy Inference System (ANFIS)	Steel and Composite Structures	January 2020	
Reduction of cement consumption by producing smart green concretes with natural zeolites	Smart Structures and Systems	2019	
Optimum cost design of frames using genetic algorithms	Steel and Composite Structures	February12019	
New Model for Predicting Concrete Compressive Strength with Age Using ANN	International Journal of Civil Engineering and Technology (IJCIET)	December 2018	
Material Price Influence on the Optimum Design of Different Structural Members	American Journal of Civil Engineering	2017	
Artificial Neural Network Model for Predicting the Compressive Strength of Concrete using Ultrasonic Pulse Velocity	Muthanna Journal OF Engineering AND Technology (MJET)	2017	
Artificial Neural Network Model for Shear Strength of Fibrous RC	AL-Rafidain Engineering Journal, University of Mosu	2016	

Effects of material properties on strength and deflection of optimized RC beams: A genetic algorithms approach	AL-Rafidain Engineering Journal, University of Mosu	2014
Optimum cost design of reinforced concrete columns using genetic algorithms", Vol 22, No.1, 2014, pp. 123-141.	AL-Rafidain Engineering Journal, University of Mosu	2014
Prediction of soil's compaction parameter using artificial neural networks	AL-Rafidain Engineering Journal, University of Mosul	2013
New model of CFRP-confined circular concrete columns: ANN approach	International Journal of Civil Engineering & Technology (IJCIET),	2013
Mechanical properties of high strength concrete reinforced with steel fibers	AL-Rafidain Engineering Journal, University of Mosul	2013
Optimum cost design of reinforced concrete continuous beams using Genetic Algorithms	Int. Journal of Applied Sciences and Engineering Research	2013
Simplified methods for crack risk analyses of early age concrete : Part 2: Restraint factors for typical case wall-on-slab	Nordic Concrete Research	2012
Optimum cost design of reinforced concrete beams using genetic algorithms	The Iraqi Journal for Mechanical and Materials Engineering	2012
Shrinkage of high strength concrete containing silica fume and steel fibers	The Iraqi Journal for Mechanical and Materials Engineering	2012
ANN Model for Predicting Ultimate Shear Strength of Reinforced Concrete Corbels	AL-Rafidain Engineering Journal, University of Mosul	2011
Optimum Design of Single and Doubly Reinforced Concrete Rectangular Beam Sections: Artificial Neural Networks Application	Iraqi Journal of Civil Engineering	2011
Artificial neural networks model for predicting compressive strength of self- compacting concrete	The Iraqi Journal for Mechanical and Materials Engineering	2011
Modeling of ultimate load for R.C. beams strengthened with Carbon FRP using artificial neural networks,	AL-Rafidain Engineering Journal, University of Mosul	2010
Artificial neural networks model for predicting compressive strength of concrete	Tikrit Journal of Eng. Sciences,	2009
Artificial Neural Network Model for Predicting Nonlinear Response of Uniformly Loaded Fixed Plates	Eng& Technology,	2007
Solution of beam-columns by Laplace transformation.	AL-Rafidain Engineering Journal, University of Mosul	2004
Solution of continuous beams using singularity functions,	Scientific Journal, Tikrit University Eng. Sci section	2002
Elastic instability of domes using finite element method",	Scientific Journal, Tikrit University Eng. Sci section	2001
Solution of wide rectangular plates by Laplace transform.	Scientific Journal, Tikrit University Eng. Sci section	1999
Solutions of box girder bridges with interior diaphragm	Scientific Journal, Tikrit University Eng. Sci section	1999
Solution of continuous beams by Laplace transforms	Scientific Journal, Tikrit University Eng. Sci	1999

	section	
Analysis of thin shell roofs using semiloof shell element	Al-muhandis Journal of Scientific society-serial	1998
Shrinkage of concrete mixes designed by different methods	Engineering and Technology	1991

Essays			
Name of the Essay (title)	Place of Publication	Date	

Conferences & WorkShop			
Conference – WorkShop	Type of Participation	Date	
First Isra international engineering conference, Amman	Paper	April 2015	
The first Engineering conference, University of Mustansiriya	Paper	2014	
The Second scientific Engineering Conference, Golden Jubilee, College of Engineering, University of Mosul	Paper	2013	
The 2nd Regional Conference for Engineering Sciences, College of Engineering, Al-Nahrain University	Paper	2010	
Third International Conference on Modeling Simulation and Applied Optimization (ICMSAO'09), Sharjah, U.A.E	Paper	2009	
Innovative and Smart Structural Systems for Sustainable Habitat Coimbatore	Paper	2008	
The 9th International Conference on the Application of Artificial Intelligence to Civil, Structural and Environmental Engineering	Paper	2007	
4th Jordanian Civil Engineering Conference	Paper	2006	
Second Jordanian Civil Engineering Conference	Paper	1999	

Current Postgraduate (PhD, M.Sc., & Academic Diploma) Supervision

No.	Student Name	University – College and Department	official Order No. & Date	Thesis Title
1	Idrees Muhammed	University of Duhok - College of Engineering	3/14/6976/7/2021	Optimum design of steel truss bridges using genetic algorithm
2				
3				
4				

Syndicate or Organizations Membership		
Kind of Membarship	Name of Organization or Syndicate	
member	Iraqi Engineering Union	
member	Kurdistan Engineers Union	

Academic Network

Website Name	Link
ORCID	
Google Scholar	https://scholar.google.com/citations?hl=en&user=x4um5H4AAAAJ
Research Gate	https://www.researchgate.net/profile/Salim-Yousif
Publons	https://publons.com/researcher/3333384/salim-t-yousif/
Linkedin	