Curriculum Vitae of a faculty member

Full name of the teacher: Prof. Dr. Abdulwahab Mohammad Younis Ghazzal

Job title: Dean of the College of Applied Arts

Scientific Rank: Assistant Professor

College: College of Engineering

Department: Department of Petroleum Engineering

Room number: G11 in Building (H)

1. Personal information

Name	Abdulwahab Mohammad Younis
Place and date of birth	Mosul:1/07/1956
Date of first appointment	12/04/1986 University of Mosul-Remote Sensing Center
Certificate	Ph.D:31/01/2002
Scientific rank	Assistant Professor 25/09/2005
Job Title	Al-Kitab University –College of Engineering-Department of Petroleum Engineering
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Website	

2. Qualifications

Degree	Date of Graduation	Name of university	Country	Major
Doctorate	2002	Mosul	Iraq	Hydrology
Master	1984	Mosul	Iraq	Water Resources
Higher Diploma	1982	Mosul	Iraq	Water Resources
Bachelor	1980	Mosul	Iraq	Water Resources

3.Experiences

Employment	Job Title	Period
Deputy Head of Department	Dams and Water Resources Engineering	2002-2003
Head of Department (Agency)	Dams and Water Resources Engineering	2005
Head of Department	Dams and Water Resources Engineering	2005-2011
Assistant Dean for Financial and Administrative Affairs	College of Engineering	2013-2016
Deputy of Assistant Dean for Financial and Administrative Affairs	College of Engineering	2017-2018
Head of Department	Dams and Water Resources Engineering	2018-up to 17/01/2022

4. Researches & Scientific activities

1	Participated in many training and development courses for the period from 1986 to 2013. The last of these courses was at the University of Guelef / Canada for one month of 2013
2	Trends Detection and Characteristics of Hydrological Time Series of Rivers in North of Iraq
3	Comparison Study of Two Methods Used to Estimate Surface Runoff Hydrograph for Small Basins
4	Prediction of Flow Duration Curve for Seasonal Rivers in Iraq
5	Identification and Delineation of Hydrological Homogeneous Regions for Selected Basins
6	Performance of the Probability Distributions for Plotting Positions in Estimating the Maximum Discharges of Adhaim River
7	Regional floods frequency analysis for selected basins for Estimation of index flood in hydrologic regions with limited flood data
8	Hydroelectric potential in Iraq's rivers
9	Evaluation of Groundwater of the Euphrates River Basin of the Indian Dam.
10	Peak discharges expenses at different locations on the Tigris and its tributaries.
11	The use of remote sensing techniques in the field of irrigation and hydrology
12	Estimation of the maximum values of Iraq river using Gump ell's distribution
13	Comprehensive Analysis of Rainfall of Khanaqin Area

14	Optimal utilization of reservoir water north of the Fatha in hydroelectric power generation
15	Estimation of storage capacity using different mathematical models
16	Effect of increasing water requirements of dam reservoirs on hydroelectric power generation.
17	Utilizing the energy of small rivers and valleys to generate electricity
18	Hydrological Modeling of Wadi Al-Murr Basin Using Geographic Information Systems (GIS)
19	Estimation of maximum surface runoff values.
20	Environmental Impacts of the Turkish Cape Project on the Future of Water Resources in Iraq
21	Integrated management of dams in northern Iraq to regulate hydroelectric power
22	Optimal daily management of the Dokan dam reservoir at low levels of discharge to regulate hydroelectric power
23	Use of regeneration method and hydro-meteorological methods to estimate flood peak and intra-sedimentary load in the upper Zab basin
24	Concepts of Quality, Accreditation, Self-Assessment and Development of Engineering Education System in Iraq (Case Study)

25	Performance of Probability Distributions and Planning Locations in Estimating the Maximum Daily Expenses of the Adhem River at the Monitoring Station
26	Lighting remote villages using water harvesting system
27	- Utilization Of Drainage Water in Jazeera Irrigation Project for Hydropower Generation.

	Scientific activities
1	An integrated volume on remote sensing applications in the field of water resources and hydrology in 1988
2	Preparing five volumes for seminars and seminars to be established and implemented in the Department of Dams and Water Resources Engineering for the academic years 2007/2008, 2008/2009, 2009/2010, 2010/2011, 2017/2018 and in cooperation with the team working in the folders
3	Preparing an integrated and enhanced file with photos that was instrumental in opening the Higher Diploma study in the department
4	Preparing an extensive and comprehensive guide on master's theses and doctoral theses since the establishment of the department until 2018, including a summary in Arabic and English for each thesis or dissertation granted by the department during that period and in

	cooperation with the team installed in the volume of the staff in the Department of Dams and Water Resources Engineering
5	Worked more than a volume on the manual application of the quality system ABET in the Department of Dams and Water Resources Engineering The last of these volumes is the strategic plan of the Faculty of Engineering in 2014 for the next five years and in cooperation with the team installed in the volume and also doing the same report of our department in 2020for the next five years.
6	Worked in the Audit Committee to redesign the North Island irrigation project by the Dutch company Ndko 1986-1987.
7	Participated in the design of the existing Edham dam in Mosul 1989
8	Worked as a consultant in the General Electric Power Production Company for the period 2001-2003
9	Participation with the consultative team in determining the level of the intake on the Lower Zab of the Debs Power Station 2006
10	Participation in the committee to study the negative effects of the Turkish Aliso dam 2007

11	Development of Shuweish-Baiji water plant 2009 feeding the Baiji thermal power plant
12	Member of the work committee designs rainwater and sewage discharge for urban water project 2011
13	Supervising many graduation projects for fourth grade students in the field of designing pumping stations for rain water, sewage, liquefaction and waste disposal, and in the field of designs of small dams and the appropriate hydrological and environmental investigations to construct these dams.

Scientific Conferences

NO	Conference Name	Date
1	The Second National Engineering Conference	1988
2	The First Iraqi Energy Conference	1992
3	The First Scientific Conference of the Scientific Research Organization	2002
4	The first scientific conference for the development of engineering education	2012

5	Comprehensive Engineering Conference for Thesis Research	2012
6	First International Conference on Water Resources Engineering	2012
7	International Conference of the Arab Organization for Environment, Water and Desert Research,	2012
8	The 4th International Conference on Buildings, Construction and Environmental Engineering – Istanbul - Turkey	2019
9	Fifteenth International Conference on Water Resources and the Environment of the Euro-Arab Organization for Environmental, Water and Desert Research.	2019

Training courses for faculty members.

	Training program name	Date
1	**Under graduate level** :water resources, dam engineering , mathematics , Engineering analysis and numerical methods, Surveying, Engineering Mathematics, Matrix Algebra, Statistics, and so on.	
2	**-Post graduate level** : surface hydrology, special problem ,water resources management , advanced mathematics , and numerical analysis	
3	supervision on the gradation project for the final year's students	
4	Discussion the number of master and doctorate thesis.	
5	presence the scientific symposium and seminar studies	
6	sharing in symposium applications of remote sensing in water recourses management.	

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Master's and Doctoral theses which he supervised

	Researcher name	Thesis title	Reg. date
1	Uday Yousef	Optimal operation of – multi-reservoirs to maximize the hydropower generation	2007
2	Ihsan Fasih Hassan	Future horizons for optimal operation of Mosul dam reservoir.	2008
3	Uday Salem Ibrahim	Hydrological Modeling of Wadi Al- Murr Basin Using Geographic Information Systems (GIS) 2012	2012
4	Anfal Abdel Karim Fadel	The best distribution and analysis of the characteristics of the time series of river flow within the Upper Zab Basin 2013	2013
5	Samah Mohammed Qasim	analysis of climate drought using the Standard Rain Index (SPI) and for different time periods - Study Area Iraq 2019	2019
6	Farah Saeed	Numerical analysis for detection the effect of Numerical analysis for detection the effect of	2019

		different storage capacity on seepage quantity and gradient stability of earth dams (case study: Mosul Dam)	
7	Rana .M Abed	The impact of climatic factors on the drought indices in northern Iraq region	2020
8	Asaad Mahmoud Shehab	Hydrological simulation to analysis water demand and treat shortage in Tellafer province	2020
9	Ryam Younis Ahmad	The use of hybrid artificial neural networks and wavelet transform technology to predict the incoming flow into the Greater Zab Basin	2021
10	Ali Adel Jaleel	The effect of design dimensions and earthquakes on the stability of earthen dams (case study: Makhoul Dam)	2022
11	Dania Nimat Hassan	Drawing IDF Frequency Curves and Finding Their Equations for Regions in Northern Iraq (High Diploma)	2021

Theses which he discussed

	Researcher name	Thesis title	date
1	Several Master and Higher Diploma theses were discussed		
appreciation books		Certificates of participation and appreciation	
More than 90		**About 70**	