

# *Curriculum Vitae*

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**Date and Place of Birth:** 10<sup>th</sup> August 1944  
Sulaimaniya, Iraq.

**Nationality:** Iraqi

**Marital Status:** Married to Shanaz Ibrahim Ahmed  
Son: Azos, born in 1982  
Daughter: Sara, born in 1987  
Son: Zagros, born in 1988

**Languages:** English, Arabic and Kurdish.

**Qualifications:** B.Eng, C.Eng, M.Sc, Ph.D, F.I.C.E., M.I.C.I.D.

**June 1968:** Bachelor of Engineering (B.Eng) in Civil Engineering from Liverpool University (U.K.).

**1972:** Master of Science (M.Sc) by research in Hydraulics from Manchester University (U.K.).

**1976:** Doctor of Philosophy (Ph.D) by research in Hydraulics from Manchester University (U.K.).

**Memberships:** Chartered Engineer, Fellow of the Institution of Civil Engineers (F.I.C.E.)  
Member of International Commission on Irrigation and Drainage (I.C.I.D.).  
President of (I.C.I.D.) Iraq.

**Scholarships Awarded:** Iraqi Government Scholarship to obtain B.Eng Degree,  
Gulbenkian Foundation Scholarship to obtain M.Sc Degree,  
Dr. Robert Angus Smith Award to obtain Ph.D.

### **Employment History**

**From December 2010 to present:** Appointed as the Senior Advisor to the President of Iraq.

**From September 2003 to December 2010 :** Appointed as the Minister of Water Resources (MoWR) in Iraq. The activities and responsibilities of MoWR are many and briefly introduced as:

The Ministry of Water Resources (MoWR) provides Integrated Water Resources Management to the citizens of Iraq. As the steward of these vital resources, the Ministry strives to balance the competing demands of irrigation, municipal and industrial water supply, hydropower, flood control and environmental requirements including marsh restoration. The goal of the Ministry has been to transform and modernize the MoWR into a dynamic and efficient organization that meets current requirements and optimizes future utilization of the water resources of the Nation. Focus areas of improvement include improved operation and maintenance of water control structures and pump stations, efficient management of water through conservation and optimization, and a comprehensive approach to project approval that considers environmental

impacts, competing demands and public involvement.

The MoWR formerly the Ministry of Irrigation is the supplier of raw or untreated water to the nation. The Ministry's nine large dams, 18 major barrages, hundreds of pump stations and 140 land reclamation projects comprise one of the most complex water distribution systems in the world. Over 90 percent of the nation's water is used to irrigate 3.25 million hectares of land throughout Iraq. Mechanical equipments, such as pump stations and back up generators, were 20 to 30 years old and not well maintained. Maintenance is carried out over 80, 000 km of irrigation and drainage channels.

The water resources infrastructure in Iraq suffered damage after the war due to looting and vandalism, however, the overall functionality of the system itself was not significantly affected. Severe damage and looting was, however, inflicted at several remote project sites and virtually every office. Most of the Ministry's Commissions and the Headquarters lost - data, files, computers, furniture, vehicles and heavy equipments. What was not taken was vandalized or burned.

Application of technology in the MoWR lags the rest of the world by several decades. The former regime's indifference to science and engineering, combined with 12 years of sanctions, deprived gifted engineers and scientists of opportunities to collaborate and apply emerging technologies. Many major projects decisions were political rather than technically driven solutions developed to solve a problem or benefit the population. Criteria such as the consideration of the environment, public involvement and economic analysis in decision- making were ignored.

The destruction of the Mesopotamian Marshes is an environmental and humanitarian travesty of large proportion. The former regime drained over 90 percent of the original 20.000 square kilometers that made up the Hawizeh, Central, and Hammar Marshes. Many thousands of people were driven from their homes and livelihood. The Ministry of Water

Resources assumed a leading role in restoring this national treasure to the extent possible.

**July 1986 to 2003:** Self-Employed as independent consultant to carry out a range of activities in the field of Evaluation and Economic Returns of Irrigation and Drainage Projects, Water Control Projects, Agricultural Development Projects and Management.

The services and assignments have been at different stages of project implementations; planning, supervision, management, operation and maintenance of completed irrigation drainage and flood control works for both major projects and small-scale schemes. Organizations and companies requested services and consultancy.

- Food and Agricultural Organization of the United Nations.
- Kingsmere Consulting Limited (London, U.K.)
- Al-Sager Consulting Engineers (U.A.E.)
- Washington Investment Ltd. (London, U.K.)
- Sir William Halcrow and Partners (U.K.)
- Irrigation and Drainage Engineering Associates (U.K.)
- The World Bank- IDA (Washington, U.S.A.) Employed as a consultant with the World Bank-IDA to carry out supervision and produce reports on the engineering components on the following projects:
  - *New Land Development Project – Egypt*
  - *West Baheira Settlement Project – Egypt*
  - *Southern Regional Agricultural Development Project- Yemen Arab Republic.*

**February 1983 to July 1986:** Project Manager (FAO), UTFN/SAU/013 “Wadie Jizan Development Project – Saudi Arabia”. The duties were to manage a large Agricultural Development Project and to supervise many specialized FAO experts.

- November 1982 to February 1983:** Resident Engineer (FAO), UTFN/SAU/013 for Wadie Jizan Dam and Irrigation Network – Saudi Arabia.
- June 1981 to November 1982:** FAO Project Manager of the IDA / World Bank/ Kuwait Fund supported Wadi Tuban Agricultural Development Project in the People`s Democratic Republic of South Yemen.
- May 1979 to June 1981:** In Somalia to work on the Northern Rangeland Development Project to survey and evaluate the project.
- February 1976 to May 1979:** Research and Site works on the study, design and supervision of Development and Irrigation Project in Saudi Arabia.
- February 1975 to February 1976:** Employed by Sir William Halcrow and Partners, Consulting Engineers (London) in the Department of Water Affairs.
- January 1969 to January 1971:** Employed by the University of Sulaimaniya to teach technical subjects.