

Name: **Dr. Maysoon Khalil Majid Askar**

Nationality: Iraqi

Born: 1963

### **Scientific Qualifications:**

- High School Baghdad, 1981
- B.Sc. Irrigation and Drainage Engineering/ Irrigation and Drainage Engineering Department / College of Engineering / Baghdad University, 1985.
- M.Sc. Irrigation and Drainage Engineering/ Irrigation and Drainage Engineering Department / College of Engineering / Baghdad University, 1992.
- PhD. Water Resources Engineering / Building & Constructions Engineering Department / University of Technology, 2005.

### **Experience Years:**

- Consulting engineer for implemented soil investigation for Bazyan refinery / Sulaymania/2011
- Consulting engineer for implemented soil investigation for Kewer Qusak refinery / Erbil/2011
- Worked in KAR group as head of design team for design Qadir karam dam and irrigation projects/2010
- Worked in KAR group as head of design team for design of Khanas dam and irrigation project/ Dohuk /2009
- Worked as a part time (Consultant Engineer) in Al-Dejla Consulting Bureau as Project manager for preparing feasibility study and design of Asteel Dam/ Sulamania/2009
- Worked as head of design teams for design of irrigation and drainage network, design of irrigation and drainage hydraulic structures, and pumping station of Suq Al- Shoykh Irrigation project (87000 donum ).

- Participated in FAO training programs by lecturing on irrigation and drainage system and water resources management /2010
- Working on special programs for Mathematics and hydraulic designs ex: MATLAB, Geo-studio, GMS, HEC , Epanet 2 and HEC-Ras.
- Worked in KAR Group (Consultant Engineer) as Project manager for preparing Geotechnical investigations for eight electrical substations.

***Preparing soil investigation for the following projects:/2008***

- South Erbil 132/33/11kv Substation included drilling 6 bore holes with 8m and 15m in depth
- Berzin 132/33 /11kv Substation in Erbil City Substation included drilling 6 bore holes with 8 m and 15 m in depth
- park-22 substation 33 /11kv in Erbil City included drilling 3 bore holes
- Al-Abasiya substation 33 /11kv in Zakho City included drilling 3 bore holes
- Al-Naseej substation 33 /11kv in Erbil City included drilling 3 bore holes
- Diana substation 33 /11kv in Diana Town included drilling 3 bore holes
- Nazarga substation, 33 /11kv in Dohuk City included drilling 3 bore holes
- Tanahi 132/33 /11kv in Dohuk City included drilling 6 bore holes with 8 m and 15 m in depth
- Esteel earth Dam in Qara- Dak Town/ Sulimania City included boring 3 bore holes with 20 m in depth
- Khanas earth dam included boring 8 bore holes with different depths range from 40-25 m.
- Worked within the Faculty Staff of Salahaddin University / College of Engineering/ Department of Dams and Water Resources Engineering

(Teaches undergraduate and graduate students): Design of hydraulic structures(fourth class , civil department), Desgin of Dams Part II( fourth class), Water resources system( fourth class, Water Resources engineering( third Class), Open channel hydraulics ( MSc. Course), water resources system (MSc. Course), Surveying engineer( third class) , soil science& computer programming for second class. 1998-2006

- Worked as a part time (Consultant Engineer) in Ministry of Water Resources, Al-Furat Center for Studying and Designing Irrigation & Drainage Projects (work of hydraulic structures design)./2006
- Consultant in the Consulting engineering Bureau. / University of Technology/ Building & Constructions Engineering Department (Design of Water resources project)./2006
- Worked within the Faculty Staff of the University of Technology / Building & Constructions Engineering Department/ branch of water and dams engineering( teaches undergraduate and graduate students; irrigation and drainage engineering; hydrology ; mathematics; technology of materials; building construction; etc..).
- Worked as head of design teams for design of irrigation and drainage network, design of irrigation and drainage hydraulic structures, and pumping station of Suq Al- Shoykh Irrigation project (87000 donum ).
- Consultant in the Designer Team of Protection of embankment of Euphrates river project, 2005.
- 1993-1998 Worked as Consultant Engineer in Ministry of Water Resources, Al-Furat Center for Studying and Designing hydraulic structures (Works of Irrigation & Drainage Network Design & the Establishments 'belonging to it), and preparing Feasibility Studies for Dams and Irrigation Projects.
- 1989-1993 Worked in Palestine Company for Dredging Rivers belonging to the Ministry of Irrigation and supervised on some site works.
- 1986-1990 Worked as a part time at the Engineering Consulting Bureau, Dar Baghdad Consulting Bureau under the supervision of the Consultant Engineer Dr. Ahmed Al-Dujaili (design of irrigation and drainage networks and hydraulic structures).
- 1985-1989 Worked in the Ministry of Irrigation/State Commission for Lands Reclamation and supervised on Works of Foreign Companies including Amendment, Leveling Woks, Constructing Irrigation & Drainage Channels, Establishments belonging to them and Bridges, Works of Executing Water Pipes and Laboratory Tests.

### **Distinction:**

- Awarded a credit of Thanks and Respect from the head of Salahaddin University, 2007.
- Awarded a credit of Thanks and Respect from the dean of College of Engineering/Salahaddin University, 2008.
- Awarded a credit of the second best research in the twelfth International water Technology Conference, 27-30th March, Alexandria, Egypt, 2008

### **Researches:**

- 1- Bank Stability of Unlined Open Canal, Third International Conference on water resources in Mediterranean basin, Tripoli- Lebanon 1-3 Nov. 2006.
- 2- A Hydrodynamic Model for Simulation of Flow in Open Canal network, second – Environment Conference for Water, 25-28 April, 2007, Iraq-Kurdistan Region - Duhok, 2007.
- 3- A Nonlinear Optimization model for Estimating of manning's roughness Coefficient, the twelfth International water Technology Conference, 27-30th march, Alexandria, Egypt, 2008.
- 4- A hydrological study of Khanas catchment area, 2009
- 5- Integrated water resources management, a case study of Wady Alana- Erbil, 2011

### **Conferences participations:**

1. World Water Week in Stockholm, Sweden, Aug. 20-26,2006
2. Third International Conference on water resources in Mediterranean basin, Tripoli- Lebanon 1-3 Nov. 2006
3. Second – Environment Conference for Water, Kurdistan Region – Duhok , Iraq 25-28th April, 2007.
4. The twelfth International water Technology Conference, 27-30th march, Alexandria, Egypt, 2008
5. The thirteen International water technology conference / 2009 - Cairo, Egypt.

### **Professional Activities**

- Member of Iraqi Engineers Union since 1985.
  - Member of Iraqi society of water resources since 1995.
  - Member of International Society for Development in the Euphrates- Tigrts region since 2005.
  - Member of Society of Iraqi expertise house for water resources and environmental studies and society development since 2005
  - Member of Kurdistan Engineers Union since 2006
  - Member of Iraqi American chamber of commerce & industry since 2007
- Languages Arabic , English