**Prof. Dr. Dana K. Mawlood**

**Zanko Qr.**

**Erbil, Kurdistan Region of Iraq**

**Mobile: +964 750 448 7017**

**Email:khmdana@gmail.com**

# PERSONAL INFORMATION

Date of Birth: 1972

Address: Erbil – Iraq

Phone: +964 750 448 7017

E-mail: khmdana@gmail.com

# Experience

1999-2000 **Association of Austrian Students Vienna, Austria**

 **Consultant**

* Dealing with issues related to foreign students in Austria
* Representing the interests of students

2002-2004 **Vienna University of Technology Vienna, Austria**

 **Research Consultant**

* In Geological and Geophysical research by the Vienna University of Technology
* Geophysics in hydrology

# EDUCATION

 **2000 Vienna University of Technology Vienna, Austria**

 Dipl.-Ing. (MSc of civil Engineering: Water and Environmental Engineering)

 Master Thesis: Solar Desalination of Sea Water

 2003 Vienna University of Technology Vienna, Austria

 Doctor of Technic Science (Civil Engineering)

 Doctoral Thesis: Application of Isotope Hydrology Studies Considering the Specific Climate, Hydrological and Geological Conditions in order to research underground water resources in a specific area in the near east.

**COURSES ATTENDED & INTERNATIONAL CERTIFICATES ACQUIRED**

**Power to Manage**

Venue: Lausanne, Switzerland

Date: Module 1, June – September 2013
 Module 2, 30 September – 4 October 2013
 Module 3, October 2013 – February 2014

**BowtieXP Rixk Management Master Class**

Venue: Vienna, Austria

Date: May 2010

**Petroleum Project management: Principles and Practices**

Venue: Dubai, UAE

Date: 18 – 22 March 2012

**Basic Reservoir Engineering**

Venue: Dubai, UAE

Date: 03 – 07 April 2011

**Introduction to the Earth Sciences and the Oil Industry: Petroleum Geology for Non-Specialists**

Venue: Berkshire UK

Date: September 2009

**Introduction to HSEQ (Environment, Quality)**

Venue: Vienna, Austria

Date: 11 – 13 November 2008

**Advance English Courses**

Venue: London, UK

Date: 09 – 23 August 2010

**Advanced English (International Certificate ABC Bildungsinstitut)**

Venue: Vienna, Austria

Date: 25.09.2003

**Introduction to Geophysics**

**Introduction to applied Geophysics and field practicum on seismic refraction**

Venue: Erbil

Date: July, August 2008

**Motorola Water & Irrigation Computerized Control Systems**

Venue: Hampshire, UK

Date: March 2006

**Stakeholder Engagement & Management, Community Relations/Community Development**

Venue: Dubai

Date: November 2014

**PhD Cooperation**

Student Name: Tim Bingaman

PhD Thesis: Water and Hydrology

University: Westfaelische Wihelms-Universitaet Munster - Germany

**Msc supervision**

Student Name: Awaz Jalal Hussein

MSc Thesis: Integrated Water Management in Mala Omer - KRG

University: University of Salahaddin – College of Engineering

Student Name: Jwan Sabah Mustafa

MSc Thesis: Analyzing Pumping various of pumping test program in Kawrgosk Area

University: University of Salahaddin – College of Engineering

**Msc Lectures Taught**

Salahaddin University - College of Engineering - Dam & Water Department

Taught Master Students

Years: 2006, 2007, 2008, 2013, 2015

Courses Taught:

1. Well Hydraulic
2. Advanced Fluid Mechanic
3. Ground Water Modeling
4. Isotope Hydrology
5. Advanced engineering Hydrology
6. Environmental Isotope in Water Resources Engineering
7. Ground Water & Well Hydraulic
8. Environmental Management
9. Environmental Hydraulic

Bsc Lectures

Salahaddin University - College of Engineering – Civil Engineering

Courses Taught:

1. Engineering Hydrology / 3rd Class
2. Fluids Mechanics + Laboratory / 2nd Class

Salahaddin University – College of Engineering – Water Resources & Dam

Courses Taught:

1. Water Treatment & Pollutions / 2nd Class

Salahaddin University – College of Agriculture

Courses Taught:

1. Hydrology / 3rd Class

Salahaddin University – College of Science

1. Environmental Geology / 1st Class

**Seminars, Lectures outside College of Engineering/University of Salahaddin**

* Auslog Log System, Logging

Erbil - Ministry of Water Resources (Letter No. 7/54/6154, Dated 27.11.2007)

* Application of Environmental Isotope Methods for Modern Engineering Hydrology and Ground Water.

Erbil – College of Science, Salahaddin University (Letter No. 7/5/1012, dated 16/04/2005)

* Environment conference – Presenting Research (Optimum Number of Rain Gauge Required in Erbil Governorate )

Duhok – 25-28/04/2007

* Management of Water resources

Erbil – Ministry of Water Resources (Letter No. 7/54/3601 , Date: 16/7/2007)

* A Brief & Concise study on Modern Hydrology Engineering

Erbil – College of Engineering (Letter No.: 408 , Date: 7/9/2005)

**Researches & Publications in Kurdistan Region of Iraq**

* **Optimum Number of Rain Gauge Required in Erbil Governorate**

Published in the second conference of (Water Environment) on 25-27 April 2007

* **Protection Areas for Drinking Water in Unconfined Aquifers**

Published in (Zanko) Magazine for Basic & Practical Sciences – Salahaddin University No. (1) Volume (23) 2001.

* **Rainfall Forecast for Erbil Region-Iraq**

 Published in (Zanko) Magazine for Basic & Practical Sciences – Salahaddin University No. (4) Volume (23) 2011.

* Integrated Water Management in Mala Omer, Erbil, KRI

 ZANCO Journal of Pure and Applied Sciences

 The official scientific journal of Salahaddin University -Erbil

 ZJPAS (2016) 28 (2); s491-500

**Researches & Publications Internationally:**

* **Computer program to calculate resistivity and layer thicknesses from Schlumberger soundings at the surface, at lake bottom and with two electrodes down in the subsurface**

Published in the International Magazine (Computer & Geosciences) No. (8) Volume (35) 2009.

* **Reflection Seismics to a Depth of 3 km – A One Man Task?**

Presented in the 73rd EAGE Conference & Exhibition incorporating SPE EUROPEC 2011

Vienna, Austria, 23-26 May 2011

* **Environmental Problems of Town Kyustendil, Bulgaria**Annual University Scientific Conference
Vasil Levski, Bulgaria
* **Factors Influencin on the Common Radiation Background**

Annual University Scientific Conference
Vasil Levski, Bulgaria

* **Comparison of Two 1-D Geoelectric Programs for Groundwater Investigation**Ecological Engineering and Environment Protection
Bulgaria
* **The Environmental Monitoring data river Banshtista and River Novoselska Kyustendil Region**Annual University Scientific Conference
Vasil Levski, Bulgaria
* **Comparison between Neuman (1975) and Jacob (1946) application for analyzing pumping test data of unconfined aquifer**

 Journal of Groundwater Science and Engineering Vol.4 No.3 Sept. 2016

* **Performing Pumping Test Data Analysis Applying Cooper-Jacob’s Method for Estimating of the Aquifer Parameters**

 Mathematical Modelling in Civil Engineering

 Vol.12 No.:1 9-20 - 2016

**UTCB UNIVERSITATEA TEHNICA DE CONSTRUCTII BUCURESTI**

* **Invited to present Monthly department workshop and keynote lecture on (Application of Isotope in Modern Engineering Hydrology) December 2014 in Technical University of Civil Engineering Bucharest**

**ATTENDED INTERNATIOANL & NATIONAL CONFERENCES**

**Water & Gas International Conference**

Venue: Linz, Austria

Date: 23-24 May, 2007

**Kurdistan - Iraq Oil & Gas conference 2011**

Venue: Erbil, Iraq

Date: 13-15 November,2011

**Kurdistan - Iraq Oil & Gas conference 2012**

Venue: Erbil, Iraq

Date: 3-5 December,2012

**Environmental Conference**

Venue: Duhok, Iraq

Date: 2008