

Curriculum vita

Personal information

Name: Zeravan Ariff Abdullah

Gender: Male

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Date & place of birth: 08/01/1982; Iraq, Kurdistan, Duhok

Nationality: Kurd

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Education /Academic and Qualification

2002- 2006 B.Sc. in Agriculture college – Soil and Water Sciences Department in University of Duhok

2010- 2011 M.Sc. **Soil Management**

2021-2022 PhD **Irrigation**

Work Experience

1-Academic Experience Six years worked assistance researcher -four years worked as lecturer in University of Duhok

Modules	University	Academic Experience years
Soil Management, Irrigation system	University of Duhok	2012
Hydrology, Irrigation and Drainage, Irrigation System	University of Duhok	2013
Hydrology, Irrigation and Drainage, Irrigation System, Evaluation Project, Academic debate	University of Duhok	2016
Hydrology, Irrigation and Drainage, Irrigation System, Evaluation Project, Academic debate	University of Duhok	2017
Irrigation	Polytechnic University	2018-2021
Irrigation System, Irrigation and water management, ,Hydrology, Seminar, Project supervision	University of Duhok	Until now

2-Worked in consultant Bureau in Agriculture College, from 2017-4-2 until 2019, working as technician. My work is focusing on general analysis of soil and water samples like bellows

Analysis all soil physical chemical properties

A- Chemical analysis like (cations and anions, organic matter, nitrogen, potassium, phosphorous, organic carbon, protein...etc.)

B- Physical properties (texture, soil structure, bulk density, field capacity, wilting point, soil moisture content... etc.)

3- Worked to improve irrigation systems especially surface irrigation in 2013, I was invented local device working by solar energy with Dr. Madafer Kareem Abdullah, to distribute water easily over soil with using surge irrigation technique because this method has a great effect on Vertisol management where the soil consumes high amount of water during summer season in Duhok, therefore the study attempt to a new innovation of manufacturing a proto type model that can apply water very easily on the field by using solar energy, The system was applied in Agriculture college for two years for taking data and testing its ability ,it was noticed that the device capable to give a high efficiency with coefficient of variation (CV) less than 10%, the system is mobile it could bring reasonable beneficial for the farmer in Kurdistan region.

4- Design a scientific farm for Agriculture College in 2016, with Mr. Jian Mohammed Anwar, the topographic of the area had showed flat where the slope is near to 1% that promote us to conducted more than one method of irrigation. Further, the country is facing the big challenge of water shortage due to the recent policies that are practiced by the riparian countries on one hand and the drought that arose during the last few decades on the other hand. Therefore, there must be a policy for the country to take urgent measures to mitigate the problems of water shortage and the environmental pollution that become critical issues nowadays, my policy was design sprinkler irrigation and drip irrigation with applying surge irrigation by using a manufacture device designed by me in 2013, on an area 40.000 m² which is 16 Dunam.

5- worked as manager and reporter in Scientific Research Department, 2012-2-3 until 2019, besides that I was worked in green again company as engineer for designing plans for gardens and farms.

❖ Skills

A: computer skills

- Operating systems (Windows).
- Microsoft office (Word, Excel, and power point).
- Autocade
- Cropwat model
- Real time Architect
- Aqua Crop model

B: Languages skills

Language	Writing	Reading	Speaking	Listening
Kurdish	Fluent	Fluent	Fluent	Fluent
English	V. good	Excellent	V. good	V. good
Arabic	Fluent	Fluent	V. good	Fluent

C: certificate:

- Certificate in **technical methods for higher education** form training and development centre – Duhok University, February, 2013.
- Course of TOEFL IBT for the period April 2nd to June 2nd, 2013 (a total of 70 hours), in university of Duhok
- Course of soil sampling July 27-30, 2008, by united states agency for international development(USAID)/Research Triangle Institute (RTI)/IRAQ.
- IELTS certificate with **score 5.5**
- Course on Theory and Practical Applications in Advanced Chromatography GC&HPLC, at university of Duhok, college Education, Chemistry Department on 13-15 March 2007.
- One-week Work shop in Duhok (3/2007) - Computer skills (Operating systems – Microsoft office).
- One-week work shop ILETS Course at Mesopotamia Organization (NGO) January 23-30, 2017

E: Personal Skills

- Adapt successfully to changing situations & environments
- Ability to plan activities & carry them through effectively
- Work confidently within a group
- Ability to express ideas clearly and confidently in speech
- High capability of negotiating and persuading
- Manage time effectively, prioritizing tasks and able to work to deadlines.
- Excellent skills and experience in solving Problems
- Ability to work under pressure and in harsh conditions

Publications:

Preparing annual report for publishing researches in Agriculture college

* Periodic annual report No.2- for researches and theses issued at Faculty of Agriculture and Forestry, University of Duhok, 2012.

* Periodic annual report No.3- for researches and theses issued at Faculty of Agriculture and Forestry, University of Duhok, 2013.

* Periodic annual report No.4- for researches and theses issued at Faculty of Agriculture and Forestry, University of Duhok, 2014.

* Periodic annual report No.5- for researches and theses issued at Faculty of Agriculture and Forestry, University of Duhok, 2015.

Published Researches:

1- Empirical formula for determining branch terraces spacing in Duhok Governorate Journal of University of Duhok., Vol. 17, No.1 (Agri. and Vet. Sciences), Pp 23-31, 2014

2- Calculation of consumptive use of water for trees seedlings using drip irrigation system. Journal of University of Duhok., Vol. 18, No.1 (Agri. and Vet. Sciences), Pp 19-27, 2015

3- Aqua Crop Model Application for full Irrigation Maize Genotype production in semi-arid region, Journal of University of Duhok.,Vol.19,No.1 (Agri. and Vet.Sciences),Pp 629-639, 2016 (Special Issue) The 2nd Scientific Agricultural Conference (April 26 and 27th 2016)

4-Manufacture a local device for water automatically distribution using surge furrow irrigation. 2017 316-297 (3) 9 Kufa Journal for Agricultural Sciences

5-Growth and Yield Assessment of Two Types of Sorghum-Sudangrass Hybrids as Affected by Deficit Irrigation. Toronto Canada Jul 18-19, 2019, Part IV

6- EFFECT OF ORGANIC MATTER AND SOIL SUSPENSION ON CLOGGING DRIP EMITTERS UNDER APPLICATION TWO DIFFERENT WATER QUALITIES. Journal of University of Duhok.,Vol. 25, No.1 (Agri. and Vet. Sciences), Pp 122-140, 2022