

Academic CV



DAWOD RASOOLI KEYA

PHD, ASSIS. PROF.

Erbil Polytechnic University



Contact



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Dep. of Crop Production, [EPU](#) - Erbil, Iraq

Profile

Personal Statement:

Dr. Dawod Rasooli is an Assistant Professor of Soil and Water Conservation at the Department of Plant Production. He received his PhD in 2020 from the Salahaddin University- Erbil (SUE). In 2009 he joined the Erbil Polytechnic University, where he served as a lecturer in the Department of Crop Production and researcher.

Career Objective:

His research is situated in the field of Soil Conservation, Estimating Soil Erosion, Rainfall Characteristics, Evapotranspiration (ET_o), and Crop Water Requirements. His main research interests include the Erosivity index and rainfall energy measurement (REM).

Dawod teaches several courses on Fundamentals of Plane Surveying, Basic of Soil Sciences and Soil Fertility, Irrigation Systems, Computer Essentials, Watershed Management, and Landscape Engineering. Dawod also presented seminars and symposiums on soil and water sciences for academics and professionals in collaboration with EPU.

He has published 4 books on soil and water sciences in Kurdish and English.

Education

BS Degree- Soil Sciences

Agriculture College, [University of Tabriz](#), Iran 1997

MSc Degree-Soil & Water Conservation

Agriculture College, [Salaheddin University-Erbil](#), KRG-Iraq 2008

PhD Degree-Soil & Water Conservation

Agriculture College, [Salaheddin University-Erbil](#) KRG-Iraq 2020

Qualifications and Skills

Description of the course	Level	Duration	Academic Institute
Advanced courses on Experiments Design and Analysis, soil survey and classification, soil physics, soil conservation, soil chemistry, Forest soils, Computer programming, Water Chemistry, and Hydrogeology	MSc	4 months	University of Salaheddin
Advanced courses on Special topics on soil and water chemistry, Remote sensing and GIS, Agro-meteorology, Regression analysis	PhD	4 months	University of Salaheddin

Skills

- **Fieldwork:** Rainfall Simulation expert and computer-based information gathering
- **Data processing:** collection, correlation, interpretation, and analysis
- **Laboratory** techniques that include physicochemical analysis of soil and water
- **Computer skills:**
 1. **Basic Computer Skills:** Typing, MS Word, MS Excel, MS PowerPoint, MS Outlook, Graphic Editing, Internet Research, Emailing
 2. **Graphic Design:** Adobe Photoshop, CorelDraw, Adobe InDesign, AutoCAD (Basic)
 3. **Software:** Web Development, Camtasia, Landscape Architects, ArcGIS, Statistical software (SPSS), CROPWAT, HYDROGNOMON

Academic titles attained

Academic Rank	Date of attainment	From
Assistant Lecturer	2009	Erbil Polytechnic University
Lecturer	2014	Erbil Polytechnic University
PhD	2020	Salaheddin University-Erbil
Assis. Prof.	2021	Erbil Polytechnic University

Scientific and Academic committees partaken

Committees		Assignments and posts	Subjects under teaching	
Scientific Committee of department 2009 -2012 Examination committees 2011 and 2012 Scientific Committee of KTI, 2014 – now Examination committees 2023		Deputy of Horticulture Dept.	Fundamentals of plane surveying, Basic of soil science and soil fertility, Irrigation Systems, Computer, Watershed Management- Practical, Landscape architects/Horticulture	
languages	Speaking	Writing	Reading	Understanding
Persian	Very good	Very good	Very good	Very good
Turkish	Very good	Good	Very good	Very good
English	Good	Good	Good	Good
Arabic	Good	Good	Fair	Fair

Mother tongue: Kurdish (Sorani)

Employment Record

Title of post	Name of Employer	Period From-To	Duties
Assistant Engineer	Ashnab Consoling Engineering Co. Tabriz - IRAN	First of 1994 End of 1998	Water & Agriculture Dep. http://www.ashenab.com
Computer technician	Silver Star Group, Erbil	First 2005 Mid 2007	Administration www.sshc.biz
Adm. Manager	SSHC Reklam - Erbil	Mid 2007 2009	Manager http://www.sshcreklam.com
Responsible	IOAD - Erbil	Mid 2008 2011	Head of organization www.ioad.org
Lecturer	Salaheddin University - College of Agriculture - Soil & Water Dep.	2009 2012	Tutoring http://www.su.edu.krd
	Erbil Polytechnic University	2009 Now	Tutoring and Supervisor http://epu.edu.krd

Publications

1. 'Towards the establishment of Kurdistan soil and water services', The Kishtukal magazine, Vol. 29, 2007. In Kurdish
 2. 'Soil conservation by non-mechanical method' The Kishtukal magazine, Vol. 30, 2007. In Kurdish
 3. 'A plan to protect soil and Water resources' The Kishtukal magazine, Vol. 31, 2007. In Kurdish
 4. 'Soil organic matter; effects on plant growth' The Kishtukal magazine, Vol. 32, 2007. In Kurdish
 5. 'Rejne; rainfall simulator', The Barro; Scientific attachments of Hawler newspaper, Vol. 39, 2010.
(<http://www.calameo.com/read/0002534865ae081a75842>)
 6. 'Soil solarization', The Barro; Scientific attachments of Hawler newspaper, Vol. 35, 2010.
(<http://www.calameo.com/read/00025348630256969e643>)
 7. 'Greenhouse; plant production', The Barro; Scientific attachments of Hawler newspaper, Vol. 30, 2010.
(<http://www.calameo.com/read/000253486c4c2e556c541>)
 8. 'Kurdistan soil and water institute', The Barro; Scientific attachments of Hawler newspaper, Vol. 27, 2010.
(<http://www.calameo.com/read/0002534866dd1a405bb0a>)
 9. 'Forms of soil erosion by water in Kurdistan region' The Barro; Scientific attachments of Hawler newspaper, Vol. 21, 2010.
(<http://www.calameo.com/read/0002517117c31381af602>)
 10. 'Runoff strips; a method for water harvesting in semi-arid regions' The Barro; Scientific attachments of Hawler newspaper, Vol. 47, 2010.
(<http://en.calameo.com/read/00025348673ef94bbcf6>)
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11. 'Representations of the Intellectual', Edward W. Said, translated from Persian to Kurdish, Publisher, Dezgay Wergêran, 2007, Erbil.
 12. Translation of 'Wild Life Diary' and 'Survivor' series for Zagros TV, (www.zagrostv.com) from Turkish to Kurdish.
 13. 'Irrigation Principles' Compiler, Dawod Rasooli, Hawler
 14. Translate of "Soils: An Introduction", Michael J. Singer et al.
 15. Administer the weblog: (www.khakku.blogfa.com) since 2006.

Presented thesis\ researches

Title of thesis \ researches\ Project	Not published	Published	Approved to be published	Publishing place	Volume	Date
Determination of Catchment Area to Cultivated Area Ratio for Plant Production System in Erbil Governorate		+	Thesis	Salaheddin University	-	2009
Effect of salinity level of irrigation water on growth of "Vigna Unguiculata"		+	Research	IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)	V. 6 issue: 3	2013
Water requirements for major crops in different agro-climatic zones of Iraqi Kurdistan using by CROPWAT 8.0		+	Research	IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)	V. 6 issue: 3	2013
Reducing the Salinity risks on Shaqlawa calcareous soil by adding Sulfur		+	Research	Polytechnic Journal http://epu.edu.krd/ojs/index.php/Journal	V. No. (Sep. 2017)	2017
Temporal and spatial variations of annual rainfall distribution in Erbil province		+	Research	Outlook on Agriculture DOI:10.1177/0030727018762968 journals.sagepub.com/home/oag	9-1	2018
Integration of GIS with USLE in assessing soil loss from Alibag catchment, Iraqi Kurdistan Region		+	Research	Polytechnic Journal http://epu.edu.krd/ojs/index.php/Journal	V. No. (Mar. 2018)	2018
Spatial and temporal analysis of potential evapotranspiration in Kurdistan region		+	Research	Indian Journal of Ecology (2021) 48 Special Issue (17): 321-328		2021
Simulation of rainfall intensity and slope gradient for determination of soil runoff coefficient at micro-plot scale		+	Research	Polytechnic Journal https://journals.epu.edu.iq/index.php/polytechnic/article/view/67/73	V. 10-1 30 June	2020
Rainfall Energy Meter (portable equipment for measurement of kinetic energy of rainfall)	+		Project			
Design of a rainfall simulator/ Soil Erosion Research Lab.		+	Project	Installed in Research center/EPU		2019
Multivariate Models for Predicting Rainfall Erosivity from Annual Rainfall and Geographical Coordinates in a region with a Non-Uniform Pluvial Regime		+	Research	Iraqi Journal of Agricultural Sciences	51 (2)	2020
Comparison of Developed and Previously published Univariate Models for Estimating Erosivity in A Country with Mediterranean Rainfall Regime		+	Research	Iraqi Journal of Agricultural Sciences	51 (4)	2020
Building models to estimate rainfall erosivity factor from rainfall depth in Iraqi Kurdistan Region		+	Dissertation	Salaheddin University		2020
GIS Based Analysis of the Solar Radiation Mapping and Potential Assessment for Iraqi Kurdistan region	+		Research Proposal			2021
Building wind map and wind characteristics study using GIS in Iraqi Kurdistan region	+		Research Proposal			2021
Spatial mapping of soil erodibility by integrating remote sensing and GIS techniques in Erbil Province		+	Accepted	IJAS	56(2)	2025
Integrated use of USLE, GIS, and remote sensing for soil erosion mapping in Erbil Province	+		Research Proposal			2021

Books			
Title of book	Published	Publisher	Date
Creating a Crop Production System in Erbil: The Determination of a Catchment Area to Cultivated Area Ratio	https://www.amazon.com/Creating-Crop-Production-System-Erbil/dp/3346109321	Grin Verlag	(November 25, 2019)
Predicting Rainfall Erosivity by Variable Models: In a Region with a Non-Uniform Pluvial Regime	https://www.amazon.com/Predicting-Rainfall-Erosivity-Variable-Models/dp/6203197610/ref=sr_1_2?dchild=1&qid=1623665284&refinements=p_27%3ADawod+Rasooli+Keya&s=books&sr=1_2&text=Dawod+Rasooli+Keya	LAP LAMBERT Academic Publishing	(December 18, 2020)
Fundamentals of irrigation	https://www.amazon.com/gp/product/B09LHW7TSF/ref=dbs_a_def_rwt_bibl_vppi_i1	Ahmade Khani Publication	2021
"Soils: An Introduction "Michael J. Singer& Donald N. Munns	https://www.amazon.com/gp/product/B09LR8X4TK/ref=dbs_a_def_rwt_bibl_vppi_i0	Ahmade Khani Publication	2021
A RECONNAISSANCE SOIL SURVEY OF ERBIL GOVERNORATE		EPU	2023
Water Resources in Kurdistan Region	Under evaluation	-	-

References	
<p>Prof. Dr. Tariq Hama Karim (PhD Supervisor), Department of Soil and Water, College of Agriculture/ University of Salaheddin, Iraqi Kurdistan, Erbil E-mail: solavtariq@yahoo.com Mob: 00964 750 442 6174</p>	<p>Prof. Dr. Akram O. Esmail Department of Soil and Water, College of Agriculture/ University of Salaheddin, Iraqi Kurdistan, Erbil Email: arez96y@yahoo.com Mobile: 00964 750 467 2975</p>