

Curriculum Vitae

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Workplace: Remote Sensing Unit, College of Science, University of Baghdad

Academic Qualifications:

- 1- PhD in agricultural sciences-remote sensing from University of Maine, USA, (2020), supervised by Dr. Lakesh Sharma.
- 2- M.Sc. in agricultural sciences-remote sensing, soil and water resources from University of Baghdad, Iraq, (2008), supervised by Dr. Ahmed S. Muhaimed.
- 3- B.Sc. in agriculture sciences, soil science & water resources from University of Baghdad, Iraq, (2005).

Dissertation Title:

Improving Nitrogen Management in Potatoes with Active Optical Sensors

Thesis Title:

Using Remote Sensing in studying Reflectance of land covers and its relationship with some soil properties in Baghdad.

Publications:

1	Predicting phosphorus and potato yield using active and passive sensors	2020
2	Yield and quality of three potato cultivars under series of nitrogen rates	2020
3	In-season potato yield prediction with active optical sensors	2020
4	Use of Rainfall Data to Improve Ground-Based Active Optical Sensors Yield Estimates	2018
5	Smartphone App to detect and control insects on potato in Maine State. 2018- Ahmed Zaeen https://play.google.com/store/apps/details?id=appinventor.ai_ahmed_zaeen.UMaineCoooperativeExtAg	2018
6	Improving Nitrogen and Phosphorus Efficiency for Optimal Plant Growth and Yield	2017
7	A Case Study of Potential Reasons of Increased Soil Phosphorus Levels in the Northeast United States.	2017
8	Using of Remote Sensing Technique to Monitor The Status of The Plant and Change Detection for Three Different Periods in Western Region in Baghdad/ Iraq.	2013
9	Effect Of Land Degradation Degree On The Land Cover Type Using Gis Technology In The West Of Baghdad /Iraq.	2012
10	Monitoring Vegetation Growth of Spectrally Landsat Satellite Imagery ETM+ 7 & TM 5 for Western Region of Iraq by Using Remote Sensing Techniques.	2012
11	Remote sensing monitoring of changes in soil pollution a case study in a region in Baghdad, Iraq.	2012
12	Using Remote Sensing Techniques To Monitoring And Evaluate The Water Cover In AL_Razzaza Lake: Iraq At Deferent Periods.	2012
13	Remote Sensing Technique To Monitoring The Risk Of Soil Degradation Using NDVI.	2012
14	Using The Band Ratio Classification Method To Detect The Regions That Need To Remove Sedimentation In Tigris River.	2011
15	Estimation Of The Normalized Difference Vegetation Index (NDVI) Variation For Selected Regions In Iraq For Two Years 1990 & 2001.	2009
16	Estimation of the Normalized Difference Vegetation Index (NDVI) Variation for Selected Regions in Iraq for two Years 1990 & 2001	2009
17	Using remote sensing to study the reflectivity of ground covers and its relationship to some soil characteristics in Abu Ghraib district.	2008

Teaching activities:

Teaching remote sensing in Agriculture class for undergraduate students at College of Science, the University of Baghdad during 2020-2021.

Reviewing Articles:

Reviewing about **17** articles from foreign journals, Remote Sensing, Sustainability, Applied Sciences, Agronomy, and European Journal of Medicinal Plants.

Linguistic activities:

Evaluating two theses for grad students.

Conferences:

- 1- Maine **Potato** Conference, Jan 17-18, 2018, Caribou Inn & Convention Center, Caribou, ME.
- 2- **Potato** Pest Management Conference, Dec.6, 2017, University of Maine Presque Isle Campus Center, ME.
- 3- Managing Global Resources For A Secure Future, 2017 Annual Meeting | Oct. 22-25 | Tampa, FL: Evaluate Different N Fertilizers to Improve Nitrogen Use Efficiency, Yield, and Quality of **Potato** Cultivation Under Rainfed and Irrigated Fields.
- 4- Managing Global Resources for A Secure Future, 2017 Annual Meeting | Oct. 22-25 | Tampa, FL: **Potential Reasons for Increased New England States Phosphorus Pollution: A Review.**