



Curriculum Vitae



Dr. Arkan M.A. Sedeeq
 Department of Agricultural Machines and Equipments
 College of Agriculture and Forestry, University of Mosul,
 Mosul 41002, Ninawa, Iraq
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 Scopus ID or
 ORCID ID or Research ID or Publons ID

Education			
Certificate	Specialization	Graduation year	University
B. Sc.	Agricultural Mechanization Sciences	1996	Mosul University / College of Agriculture and Forests / Iraq
M.Sc.	Agricultural Mechanization Sciences	1998	Mosul University / College of Agriculture and Forests / Iraq
Ph.D.	Agricultural Machines and Equipments	2006	Mosul University / College of Agriculture and Forests / Iraq

Appointment

1. Appoint as Faculty membership 2006.
2. Appoint as Lecturer since 2006 & as assist. prof. 2012 & as Prof. since 2018.

Areas of Interest

- 1- The specialty in which the teacher works: harvesting & Reaping Equipment, Hydraulic Equipment & Systems
- 2- Specializations Within The Interest And Follow-Up Of The Teacher: Irrigation And Drainage Equipment, Fluid Technique , Economics Of Agricultural Machinery And Equipment, Designing Experiment Analysis By Using SAS Program.
- 3- Other Specializations Close To The Teaching Specialization: Agricultural Equipment And Machines, Seed And Fertilization Equipment, Soil Preparation Equipment, Animal Production Mechanization.

Professional Qualification/ Membership/ Affiliation

1. Registered as membership of Agricultural Engineers since 1996.
2. Member in the Teaching Association in Mosul/ Iraq 2006.
3. Member in the academic teaching union in Mosul/ Iraq 2006.
4. Member in the council of Agricultural Machines and Equipments Department since 2006.

5. Member in the high education (post graduate) council in Agricultural Machines and Equipments Department since 2006.
6. Member in the Scientific council of Agricultural Machines and Equipments Department since 2006.
7. Incumbent for the post of head of farm mechanization and the agency in 2006.
8. Member in the Examinations council of Agricultural and Forestry College 2007-2008 & 2015-2016 & master head of examinations council in 2016- 2021.
9. Member in the council of ISO in Agricultural Machines and Equipments Department 2011-2013
10. Member in the council of continues educating for governor directories in Agricultural Machines and Equipments Department 2012-2013
11. Administration of alternative location of Agriculture and Forestry Faculty in Kirkuk for the period 2015-2017
12. Member of the Committee for the Examinations and its supervisor in the Faculty of Agriculture / University of Kirkuk 2018-2019 in the Faculty of Agriculture and Forestry.
13. Head master of Agri. Machines and Equipments Department 2017 – 2021.
- 14- Dean Assistant for Administration & Financial Affairs / Agriculture and Forestry College / Mosul University 2021 -
15. Member of the Central Scientific Promotion Committee / Agriculture and Forestry College for the period from 2021-2022

Certificates of Appreciation

1. Holding a certificate of efficiency of administrative and scientific work of the Faculty of Agriculture and Forestry / Department of Agricultural Mechanization 2006.
2. Certificate of passing the efficient use of the computer (the computer) and the different regulations in 1998 & 2011 from the Center for Computer University of Mosul / Iraq.
3. Certificate of passing the living languages (English language) in 1996 & 2008 from the English Department / Faculty of Arts / University of Mosul / Iraq & Holding TOFIL certificate in 2007.
4. Speaking & reading Turkish language and translation on the mind after my second mother tongue (Arabic).

Publications

Journals

- 1- Sedeeq, Arkan M.A. & Saad Abdul Jabbar AL-Rajaboo (2007). A Comparison Of Potato Lifter Performance That Locally Designed (A Cylindrical Solter System) With Chain Lifter In Estimating The Quantitative & Qualitative Loss. Mesopotamia Journal of Agriculture/Mosul University, Vol.(35) No. (2) Page 90-98.
<https://www.iasj.net/iasj?func=fulltext&aId=26477>
 DOI: [10.33899/magrj.2007.26477](https://doi.org/10.33899/magrj.2007.26477)
https://magrj.mosuljournals.com/article_26477.html
- 2- Sedeeq, Arkan M.A. & Saad Abdul Jabbar AL-Rajaboo (2008). The Effect of lifting on quantitative & qualitative loss of potato crop. Dirasat Journal for Agricultural Sciences, Jordan, Vol.(35) No.(1&2) page 43-33.
<https://www.iasj.net/iasj?func=fulltext&aId=26477>
 DOI: [10.33899/magrj.2007.26477](https://doi.org/10.33899/magrj.2007.26477)
https://magrj.mosuljournals.com/article_26477.html

- 3- Abdullah, Adel A. ; Arkan M. Amin; Montaser Kh. Hussain & Zaheda A. Mahmmod (2010). Comparison Of The Tractor Field Performance During Tillage With Disk Plow Vertical By Using Biodiesel Fuel And Conventional Diesel Fuel. Journal Of Kirkuk Univesity For Agricultural Scincees/ Kirkuk University, Vol.(1) No.(2) page 105-114..
https://www.researchgate.net/publication/329487874_COMPARTION_OF_THE_TRACTOR_FIELD_PERFORMANCE_DURING_TILLALGE_WITH_DISK_PLOW_VERTICAL_BY_USING_BIODIESEL_FUEL_AND_CONVENTIONAL_DIESEL_FUEL
<https://iasj.net/iasj/article/33118>
- 4- Al-Tahan, Yassen H. & Arkan M. A. Sedeeq (2011).Potato Production Costs Calculation For Mechanization By Different Areas In Ninavah Governorate. Journal Of Kirkuk Univesity For Agricultural Scincees/ Kirkuk University, Vol.(2) No.(1) page 94-107.
<https://www.iasj.net/iasj?func=article&aId=33350>
<https://iasj.net/iasj/article/33350>
- 5- Sedeeq, Arkan M.A. & Natic Sabri Hassan (2011). Effect of Some Mechanical Lifting Types on the Qualitative & Quantitative Loss of Potato Crop in Ninevah Governorate. Mesopotamia Journal of Agriculture/Mosul University, Vol.(39) No. (3) page 197-205.
<https://www.iasj.net/iasj/download/68f309055ee8435e>
 DOI: [10.33899/magrj.2011.31160](https://doi.org/10.33899/magrj.2011.31160)
https://magrj.mosuljournals.com/article_31160.html
- 6- Sedeeq, Arkan M.A. (2011). Study Of Some Criteria Exploitation Of Agricultural Technology In Economical Evaluation For Different Mechanization Systems In Potato Production. Mesopotamia Journal OF Agriculture/Mosul University, Vol.(39) No. (4) page 230-234.
 DOI: [10.33899/magrj.2011.28117](https://doi.org/10.33899/magrj.2011.28117)
https://magrj.mosuljournals.com/article_28117.html
- 7- Sedeeq, Arkan M. A.; Firas S. Al-khayatt & Adil A. Abdulah (2012). Evaluating and comparing of A Diesel Engine Performance and Its Pollutants Operating on Blends of Sunflower and Soybean Biodiesel Fuel. AL-Rafidain Engineering Journal/ Mosul University, Vol.(20) No. (1) page 1-9.
<https://iasj.net/iasj?func=article&aId=47223>
 DOI: [10.33899/rengj.2012.47210](https://doi.org/10.33899/rengj.2012.47210)
https://rengj.mosuljournals.com/article_47210.html
- 8- Sedeeq, Arkan M.A. & Natic Sabri Hassan (2012). Effect of Mechanical Lifting Depths on the Qualitative & Quantitative Loss of Potato Crop in Ninevah Governorate. The VIII. International Soil Science Congress “Land Degradation and Challenges in Sustainable Soil Management” that will take place in Çeşme, İzmir, TURKEY, on May 15–17, 2012.
https://www.researchgate.net/publication/329014006_tathyr_amaq_alql_almykanyky_ly_alfqd_alkmy_walnwy_lmhswl_albtatt_fy_mhafzt_nynwy
- 9- Sedeeq, Arkan M.A. (2012). Effect of methods and timing removal of potato crop vegetative part in the quantitative and qualitative loss with two kinds of Lifters. Journal Of Kirkuk Univesity For Agricultural Scincees/ Kirkuk University, Vol.(3) No.(2) page169-186.
<https://www.iasj.net/iasj/article/64212>

- 10- Sedeeq, Arkan M.A. & Saad Abdul Jabbar AL-Rajaboo (2012). Development for separating mechanization system for potato tubers in locally designed potato lifter. Mesopotamia Journal Of Agriculture/Mosul University, Vol.(40) No. (4) page194-205.
 DOI: [10.33899/magrj.2012.59638](https://doi.org/10.33899/magrj.2012.59638)
https://magrj.mosuljournals.com/article_59638.html
- 11- Al-Tahan, Yassen H.; Arkan M.A. Sedeeq & Saleh Subri Alhsinyani (2012). Study of some Of the technical indicators from utilization of farm tractors in Nineveh governorate. Misr Journal of Agricultural Engineering/ The Year 29, No. (2) October, page 1399-1416.
 DOI: [10.21608/mjae.2012.101346](https://doi.org/10.21608/mjae.2012.101346)
https://journals.ekb.eg/article_101346.html
- 12- Al-Tahan, Yassen H.; Arkan M.A. Sedeeq & Saleh Subri Alhsinyani (2013). Study of some energy utilization indicators and its effect in performance for tractor and machines in soil preparing and planting of potato crop in Nineveh governorate. Journal Of Kirkuk Univesity For Agricultural Scincees/ Kirkuk University, Vol.(4) No.(1) page 116-127.
<https://iasj.net/iasj/article/76591>
- 13- Sedeeq, Arkan M.A. & Othman Muayad M.Taofik (2013). The Effect of Harvesting Date on the Quantitative and Qualitative Loss of Potato using Two Kinds of Lifters. Journal Of Kirkuk Univesity For Agricultural Scincees/ Kirkuk University, Vol.(4) No.(1) page 128-140.
<https://www.iasj.net/iasj?func=article&aId=76592>
<https://iasj.net/iasj/article/76592>
- 14- Sedeeq, Arkan M.A. & Othman Muayad M.Taofik (2013). The effect of some performance properties on quantitative and qualitative loss ratios for mechanical potato harvesting under clay soil conditions. The 2nd International Conference for Agricultural Scientific Researches for the period from 30-31October/ Ministry of High Education , Kirkuk University, Agricultural Collage. Page 732-746.
https://www.researchgate.net/publication/329016866_tathyr_bd_mtghyrat_alada_ly_nsb_alfqd_alkmy_walnwy_llhsad_alaly_llbtata_tht_zrwf_altrbt_altnynt
- 15- Sedeeq, Arkan M.A.; Hussain Hamed Ahmad & Ibrahim Mahmood Ayed (2014). Testing Environmental Control Tubes In The Greenhouses According On Sum Engineering Properties & Its Impact In Growth & Productivity Properties Of Cucumber Crop. The Second International Conference For Horticulture From The Period 13-14 April, Mesopotamia Journal Of Agriculture/Mosul University, Vol.(42) No. (1). Page 89-108.
https://www.researchgate.net/publication/329016786_akhtbar_tqnynt_anabyb_althkm_albyyy_fy_albywt_alblastykyt_bdlalt_bd_almwshrat_alhndsyt_wathrha_fy_alsfat_alantajyt_walnmw_lmhswl_alkhyar
- 16- Al-Tahan, Yassen H. ; Arkan M.A. Sedeeq and Saleh Sabri Al-hasinyani (2014). Study Of Some Exploited Energy Indicators And Its Effect In Tractor Performance And The Machines Which Are Used In Tillage - Sowing Operations For Wheat Crop In Nineveh Governorate. Journal of Environmental Protection and Ecology (JEPE), 1st International Congress on Green Infrastructure and Sustainable Societies, Ege University, Izmir-TURKEY.
https://www.researchgate.net/publication/329585659_Study_Of_Some_Exploited_Energy_Indicators_And_Its_Effect_In_Tractor_Performance_And_The_Machines_Which_Are_Used_In_Tillage_-_Sowing_Operations_For_Wheat_Crop_In_Nineveh_Governorate

- 17- Sedeeq, Arkan M. A. & Wellid Abdullah Hassan Sheikh (2016). Modification Feeding Discs In Seed Direl Equipment Type Nardi Working By Vacuum To Be Useful For Seeding Corn Seed In Deferent Sizes. Journal Of Kirkuk Univesity For Agricultural Scincees/ Kirkuk University, Vol.(7) No.(3). Page 76-86.
<https://www.iasj.net/iasj/article/123694>
- 18- Sedeeq, Arkan M.A.; Hussain Hamed Ahmad & Ibrahim Mahmud Ayed (2018). Using Natural Ventilation To Dissipate The Excess Heat And Humidity From Greenhouses And Its Impact On The Properties Of Cucumber Crop Productivity. Mesopotamia Journal Of Agriculture/Mosul University, Vol.(46) No. (1).page. 175-190.
DOI: [10.33899/magrj.2018.161429](https://doi.org/10.33899/magrj.2018.161429)
https://magrj.mosuljournals.com/article_161429.html
- 19- Sedeeq, Arkan M. A.; Muhammed Toufeeq Authman & Mansour Mohammad Hani Darguth (2015). The Effect Of Different Operating Conditions For The Driver Of The Combined Harvester On The Efficiency Of Performance In Terms Of Some Functional Indicators. Mesopotamia Journal Of Agriculture/Mosul University, Vol.(46) No.(2).page 248-264.
https://www.researchgate.net/publication/329017221_tathyr_zrwf_tshghylyt_mk_hlftf_Isayq_alhasdt_almrkbt_fy_kfat_alada_bdlalt_bd_almwshrat_alwzyfyf
- 20- Sedeeq, Arkan M. A. (2018). Effect of working hours on the physical - chemical properties of hydraulic oil for agricultural tractors. Kirkuk University Journal Scientific Studies/ Kirkuk Univesity, Vol.(13) No.(3). Page 289-309.
<https://www.iasj.net/iasj/article/150157>
- 21- Sedeeq, Arkan M.A. & Othman Muayad M.Taofik (2018). The effect of speed and Harvesting Date on the quantitative and qualitative loss of potato yield in Nineveh governorate. The Third International Conference for Agricultural Researches for the period from 7-8 November/ Ministry of High Education , Kirkuk University, Agricultural Collage. Page 975-983
<https://www.iasj.net/iasj/download/7d0282c2032df676>
- 22- Siddiq, Arkan Muhammad Amin & Yahya Younis Mohsin AL-Obaidi (2019). Evaluation of heavy chisel plow performance in different speeds in terms of some mechanical performance indicators. Mesopotamia Journal Of Agriculture/Mosul University, Volume (47) Issue (1), pages 59-69.
DOI: [10.33899/magrj.2019.161237](https://doi.org/10.33899/magrj.2019.161237)
https://magrj.mosuljournals.com/article_161237.html
- 23- Sedeeq, Arkan M.A. & Farooq Dawas Mahmood (2019). Effect of age and pressure of the rear tire of tractors performance indicators using the disc plow. Mesopotamia Journal Of Agriculture/Mosul University, Vol.(47) No.(1).page 28 - 36.
<https://www.iasj.net/iasj/download/9e048682b995d28a>
DOI: [10.33899/magrj.2019.163178](https://doi.org/10.33899/magrj.2019.163178)
https://magrj.mosuljournals.com/article_163178.html
- 24- Siddiq, Arkan Muhammad Amin & Yahya Younis Mohsin AL-Obaidi (2019). Evaluation of heavy chisel plow performance in different depth in terms of some mechanical performance indicators. Mesopotamia Journal Of Agriculture/Mosul University, Vol.(47) No.(Special).page 428 - 439.
<https://www.iasj.net/iasj/article/188485>

- 25- Khurshid, F. F. and Sedeeq, A. M. A (2019). Power requirement for sowing patterns On two fallow lands UNDER wheat production. Journal of Applied Ecology and Environmental Research. Vol. 09 No.(10) . page 12731 - 12751
http://dx.doi.org/10.15666/aeer/1706_1273112751
- 26- Hilal, Yousif Y. ; Raqeeb Hummadi Rajab and Arkan M. A. Seddiq (2020). Plural genetic algorithms approach to control agricultural mechanization and wheat production. Journal of Mechanical Engineering Research and Developments, Vol. 43, No. 5, pp. 373-383.
[https://jmerd.net/Paper/Vol.43,No.5\(2020\)/373-383.pdf](https://jmerd.net/Paper/Vol.43,No.5(2020)/373-383.pdf)
- 27- Ahmed, Ahmed Manfi and Arkan Mohammed Ameen Sedeeq (2020). Energy Modeling using Multilayer Perceptron in Production of Potato Crop in Baghdad Province - Iraq. International Journal of Plant Research - Plant Archives, Vol. 20 No.2. pp. 3981-3989.
[http://www.plantarchives.org/20-2/3981-3989%20\(6800\).pdf](http://www.plantarchives.org/20-2/3981-3989%20(6800).pdf)
- 28- Kakaahy, Amer N. N. ; Ayad A. Kakei and Arkan M. A. Sedeeq (2021). No-tillage Seeders for Crops and Their Development: A review paper. The 4th International Conference on Pure Sciences and Agricultural Sciences (ICPAS-2021), for the period from 26-29 May / Antalya, Turkey. Code **(ID: 21082)**
 J. of Kirkuk Univ. for Agri. Sci./ Kirkuk University, Vol.(12) No.(2) Appendix. Page 75-92.
<https://www.iasj.net/iasj/article/216278>
- 29- Jarullah M. W. Al- Ma'athedi ; Arkan M.A.Sedeeq and Amer N. N. Kakaahy (2021). The Influence Of Certain Mechanical And Physical factors At The Manufactories Of Shelling And Drying Corn On Selected Properties. The 4th International Conference on pure Science and Agricultural Science (ICPAS) which will take place on May 26-29, 2021 in Antalya, Turkey. **(ID: 21088)**
- 30- Omar, Ali Omar Ibrahim , Arkan M. A. Sedeeq & Firas Salem Khalaf Al Ani (2021). The performance of the seeder olow through some field indicators. Kirkuk University Journal Scientific Studies/ Kirkuk Univesity, Vol.(12) No.(3). Page 106-116.
<https://www.iasj.net/iasj/pdf/725f52b0575c6341>
- 31- Ahmed , Hawry Sweed , Arkan M. A. Sedeeq & Thamer A. Khalil (2022). Electrical Conductivity Application In Ohmic Pasteurization Of Orange Juice. Mesopotamia Journal Of Agriculture/Mosul University, Vol.(50) No. (2) page 8-20.
https://magri.mosuljournals.com/article_174191_ade657ceb9034b3f0c46199ec2db0089.pdf
- 32- Abdulla , Zhyar Burhan , Arkan M. A. Sedeeq & Fawzy F. K. Shwany (2022).Effects Of Forward Speeds And Blade Angles Of Potato Digger On Fuel Consumption And Tuber Mechanical Damages. Mesopotamia Journal Of Agriculture/Mosul University, Vol.(50) No. (2) page 21-37.
https://magri.mosuljournals.com/article_174285_26f3636cec686f3d4c87378274803d3c.pdf
- 33- Sedeeq, Arkan M.A. ; Othman Muayad M.Taofik & Saleh Sabri Al-Hasinyani (2022). An Investigation Into The Effect Of Using Different Harvesting Methods On The Indicators Of Potato Crop Loss. Mesopotamia Journal Of Agriculture/Mosul University, Vol.(50) No. (3) Page Xxx-Xxx.
- 34- Ahmed , Hawry Sweed , Arkan M. A. Sedeeq & Thamer A. Khalil (2022). Design & manufacture a device for pasteurizing orange juice & its effects on qualitative characteristics of fresh orange juice. Kirkuk University Journal Scientific Studies/ Kirkuk Univesity, Vol.(XX) No.(XX). Page XX-XX.

Conference Proceedings

- 1-Conference of academic thesis's in Jordan/ Jordan University 2008
- 2-The VIII. International Soil Science Congress in TURKEY (İzmir)/ Ege University 2012.
- 3-International Universities union Conference in Dohok University 2012
- 4-The Second International Conference for Agricultural Researches in Kirkuk/, Agricultural Collage 2013.
- 5-2nd International Conference For Horticulture Science in Mosul University/ Agricultural and Forestry College 2014
- 6-1st International Congress on Green Infrastructure and Sustainable Societies in TURKEY(Izmir)/ Ege University 2014
- 7-The Third International Conference for Agricultural Researches in Kirkuk/, Agricultural Collage 2018.
- 8-The Third Agricultural International Conference for the period from 2-3 November/ Mosul University, Agricultural & Forestry Collage.
- 9- 2nd Al-Noor International Conference for Science and Technology (2NICST2020) Baku, Azerbaijan, August 28-30, 2020
- 10- 4th International Conference on Pure Sciences and Agricultural Sciences (ICPAS-2021) which was held on May 26-29, 2021 in Antalya, Turkey

My thesis (M.Sc. and Ph.D.)

1. **M.Sc.** (Effect of Mechanical Lifting on the Qualitative & Quantitative Loss of Potato Crop in Ninavah Governorate).
2. **Ph.D.** (Development Of Separating Device Of Potato (*Solanum tuberosum*) Digger And Its Performance Evaluation).

Supervisor for Students of M.Sc. and Ph.D.

1. **Msc. / Saleh Subri Alhsinyani 2012**(Study the Ideal & the actual of the energy - Used in some Agricultural operations of potato & wheat Crops)
2. **Msc. /Othman Muayad Muhammad Tawfiq 2012**(Calculating loss costs during potato crop harvesting with different dates and different lifting speeds with different machines)
3. **Msc. /Ibrahim Mahmood Ayed 2013**(Dissipation Of Excess Heat And Moisture From Plastic Houses And Its Impact On Growth And Yield Of Cucumber *Cucumis sativus L.*)
4. **Msc. /Mansour Mohammad Hani Mahmood Darghaoth 2014**(The Effect of Different Operating Conditions for the Driver of the Combined Harvester on the Efficiency of Performance in terms of Some Functional Indicators)
5. **Msc. /Walled Abdullah Hassan Sheikh 2014**(Evaluation The Performance Of vacuum Metering Disk Planter (Nardi) And Its Impact In some Mechanical And Agricultural Properties For Corn Crop)
6. **Msc. /Faroq Daoas Mahmood 2018**(Study effect of age and pressure of the rear tire of tractors at different depth of plowing in some performance indicators using the disc plow)
7. **Msc. /Yahya yonis Mohsen 2018**(Evaluation of heavy chisel plow performance in terms of some mechanical performance indicators)
8. **Msc. /Sara Ibrahim Abdul Rahman 2017**(Economic Assessment and technology for the production of the wheat crop in the province of Sulaimani)

- 9. PhD. /Fawzy Faidhulla Khurshid 2019**(An analytical study of different patterns in the cultivation of wheat crop in Sulaymani Governorate in terms of power requirements and total yield)
- 10. Msc. /Ahmed Manfi Sabee 2019**(Estimation and modeling of energy for different farming systems of potato crop)
- 11. Msc. /Jar Allah Maher Oaad Allah 2020**(The effect of some mechanical and physical factors for corn thrashing & drying factories on studied properties)
- 12. Msc. /Ali Omer Ibrahim 2020**(Manufacture and testing a device to monitor the performance of grain planters as a function of some field indicators)
- 13. Msc. /Hawry Sweed Ahmed 2021**(Design And Manufacture Of An Ohmic Heating Device For Pasteurizing Fruit Juices)
- 14. Msc. /Zhyar Burhan Abdulla 2021**(Studying the effect of forward speed and penetration angle of potato digger on some mechanical damages for two tuber varieties during harvest)
- 15- M.Sc. /Ahmed AbdulSalam Edrees 2022**(Effect of purifying machine oils from water on physicochemical properties)