

# Academic Curriculum Vitae



## Personal Information:

Full Name: Sakar Asaad Kakarash  
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## Education:

- **B.SC :**  
2001 / plant production / Salahaddin University
- **M.SC :**  
2008 / Ecophysiological study of soil seed bank for different Arable systems at Erbil Governorate / Salahaddin University
- **Ph D. :**  
2015 / Effect of Presowing Treatment on Germination,Growth ,Yield and Quality Chickpea Crop (*Cicer arietinum* L.) / Mousl University

## Employment:

- I am working at Salahaddin University / college of Agriculture – Erbil- Iraq Since 2002 till now 2023

## Qualifications

- Expert in seed science and technology.publishing 20 papers.
- Lecturer in Agriculture college.
- IT qualifications/ IC3 test

## Teaching experience:

- 1 –Seed science and technology
- 2 –Cereal technology
- 3 – Principal of field crops
- 4 –Cereal crops
- 5 – Field crop production
- 6 – Seed storage and seed marketing

## Research and publications

1 - Ecophysiological study of soil seed bank for different Arable systems at Erbil Governorate. Zanco J , Vol.20, No,3.(2008).

2 – Three type of plough to study soil seed dynamic and its effect on purity of two grades of durum wheat . Zanco J , Vol.20, No,3.(2008).

3 – Genetic Variability, Correlation and Heritability of the yield and yield Components in Maize Single Crosses.

4 - Stage of oil accumulation in maize kernels (Talar Variety). J. of Tekret Uni. Agri. Vol. 11,No.3. 2011.

5 - Determination of the best date of seed harvesting for different varieties of rapeseed (*Brassica napus* L.). J. of Tekret Uni. Agri. Sci. Vol.11,No.3.2011.

6- Heterosis, genotype and phenotype correlation in different hybrids of Maize (*Zea mays* L.). Proceeding of 1<sup>st</sup> Sci.Agri.conf.Duhok. 2012.

7 - Pollen source effect on maize kernel oil concentration. Zanco J. of Sci, Vol.24.No.2.2012.

8 - Effect of irrigation treatments on maize (*Zea mays* L.) yield & yield components during two growing seasons. IOSR Journal of Agri.and Veterinary(IOSR-Javs) Vol.3 . May-June. 2013.

9 - Recurrent Selection and Half-sib selection for Improvement oil contained in Maize (*Zea mays* L.). J. Tekret Uni. Agri. Sci. Vol. 14, No.2.2014.

10- Succession of maize (*Zea mays* L.) with some winter crops. 3: The effect on NPK and O.M mobilization. Proceeding of 2<sup>th</sup> Sci.conference of Garmian.2015.

- 11 - The reflection of seed priming some add solution treatments on growth and yield of chickpea crop (*Cicer arietinum* L.). J.of Univ.of Kirkuk for Agri.Sci. Vol.7.No. 4, 2016.
- 12 - Effect of Invigoration Solution on the Aged and Non-aged Seeds it's reflecting on Germination and Seedling Characters of Chickpea(*Cicer ariteinum* L.). J.of Univ.of Kirkuk for Agri.Sci. Vol.No., 2017.
- 13 - Estimation of homeostasis and genetic resultant for maize (*Zea mays* L.) hybrids. Proceeding of 2<sup>nd</sup> Sci.Agri. conf. Duhok. 2016.
- 14 - Determination of accumulated oil and protein in seed of rapeseed during seed development. Proceeding of 2<sup>nd</sup> Sci.Agri.conf.Duhok2016.
- 15 - Succession of maize with some winter crops 2 – Effect of maize and winter crop characters. Iraqi Journal of agricultural Science. 47(2)2016.
- 16- Homeostasis and genotyping resultant studies for hybirds of maize. Mesopotamia Journal of Agriculture Vol. (47), Supplement III, 2019 Proceedings of the 3<sup>rd</sup> International Agri. Conference, College of Agri. and Forestry, Univ. of Mosul and College of Agri. Engineering Sciences, Univ. of Duhok 2-3 October 2019.
- 17- Full diallel crosses for estimation of genetic parameters in maize. The Iraqi Journal of Agricultural Sciences – 48: (Special Issue): 30-40,2017.
- 18 - Succession of Maize crops 1 – the effects on(*Zea mays* L.) with some winter weed density and species. Zankoy Sulaimani .JZS (2017) 19–2 (Part-A)61.
- 19 - Genetic diversity among ten maize genotypes using simple sequence repeat DNA markers.Polytechnic Journal, vol. 11 No. 1 (2021).
- 20 - Estimation of Heterosis and Combining Ability for Yield, Yield Component Using Line × Tester Methods in Maize (*Zea Mays* L.). IOP Conf. Series: Earth and Environmental Science 761 (2021).
- 21 - Comparative analysis of growth and seed quality of maize (*Zea mays* L.) hybrids under different planting pattern and plant space. Kirkuk University Journal For Agricultural Sciences Print ISSN: 2221-0482 Online ISSN 2958-6585 Volume (15) Issue. (2) 2024.
- 22 - Effect of Planting Patterns and Plant Space on some Quantitative Traits of Maize Hybrids (*Zea mays* L.). 5 th International Conference of Modern Technologies in Agricultural Sciences. (5th-ICMTAS) 17-18.

23 - Effect of irrigation regimen on growth and yield of two corn hybrids (*Zea mays* L.). ZJPAS: 2023, 35 (SpC): 32-43.

24 - Seeding Rates of Two Varieties of (*T. aestivum* L.) Influenced By Previous Crop . ZANCO Journal of Pure and Applied Sciences. ZJPAS (2023) , 35(SpC);1-14 .

25 - Chlorophyll content and leaf area correlated with corn (*Zea mays* L.) yield components in F1 hybrids . Indian Journal of Agricultural Sciences 94 (4): 352–357, April 2024/Article.

26 - Formation of Potential Heterotic Groups of maize Inbred Lines Using Variation I at Simple Sequence Repeat Loci. The Iraqi Journal of Agricultural Sciences – volume 56, Issue (2),2025.

27 - Evaluation of Physiological Seed Quality and Field Performance For Different Types of Maize Hybrids. Anbar J. Agric. Sci., Vol. (22) No. (1), 2024. ISSN: 1992-7479.

28 - Effect of Foliar Application of Nano, Conventional NPK Fertilizer and Plant Density on Yield Components and Seed Quality of Sunflower(*Helianthus annuus* L.).Journal of Medicinal and Industrial Plants(MEDIP)vol.(2) Issue (2) for 2024.

## Conferences and courses attended

- 1<sup>st</sup> Sci.Agri.conf.Duhok. 2012.
- 2<sup>nd</sup> Sci.conference of Garmian.2015.
- 2<sup>nd</sup> Sci.Agri. conf. Duhok. 2016.
- 1 st International Agri. Conference, College of Agri. Univ. of salahaddin.2018.
- 3rd International Agri. Conference, College of Agri. and Forestry, Univ. of Mosul and College of Agri. Engineering Sciences, Univ. of Duhok 2-3 October 2019.
- IOP Conference Series: Earth and Environmental Science. 2nd International Agri. Conference, College of Agri, Univ. of Salahaddin and College of Agri. Engineering Sciences, Univ. of Anbar 2020.

## Professional memberships

- Member of many PhD and MSc.discussion Committees.
- Scientific committee of field crops department.
- Member of the scientific promotion committee.
- Member of committee of quality assurance.
- Scientific evaluator for a number of scientific researches.

- Member of the examinayion committee for preliminary and postgraduate studies.

## **Professional Social Network Accounts:**

- [Account Settings \(su.edu.krd\)](#)
- <https://orcid.org/0000-0003-3836-0784>