

# Academic Curriculum Vitae



## Personal Information:

Full Name: Kazhin Sarbaz Rajab

Academic Title: Lecturer

Email: (kazhin.rajab@su.edu.krd)

Mobile: +964 750 799 2635

## Education:

BSc. Soil and Water Department, College of Agricultural Engineering Science, Salahaddin University-Erbil.

MSc. Soil and Water Science (Water Chemistry), College of Agricultural Engineering Science, Salahaddin University-Erbil. /2015

PhD. Soil and Water Chemistry, College of Agricultural Engineering Science, Salahaddin University-Erbil. 2022

## Employment:

- [2010-2011]: Start working as an assistant teaching in the soil and water dept./College of Agricultural Engineering Science/Salahaddin University-Erbil.
- [2015]: Start working as an assistant lecturer in the soil and water dept./College of Agricultural Engineering Science/Salahaddin University-Erbil.
- [2019]: Start working as a lecturer in the soil and water dept./College of Agricultural Engineering Science/Salahaddin University-Erbil.

## - **Qualifications**

- Participate in Teaching Methods Course (2015) .
- IT qualifications
  - Microsoft Office skills (Word, Excel, PowerPoint)
  - EXLSAT
  - SPSS
  - Online teaching platform (Module, Zoom, Google Meet, Prezi)
  - Poster and Presentation Design, Internet and Email
  
- Field skills
  - Laboratory skills
  - Water sampling
  - Chemical and Physical analysis of water
  - Chemical and Physical analysis of Soil
  
- Language qualifications such as TOEFL, IELTS, or any equivalent
  - Kurdish (Native)
  - English (IELTS Academic score 5.0)
  - Arabic (good)

## **Teaching experience:**

- Aquatic chemistry
- Water resources
- Experimental design
- Principle of soil science
- Principle of statistics
- Soil chemistry
- Ecology
- Soil reclamation

## **Research and publications**

- Esmail, A. O., and Rajab. K.,S. (2015). Limiting Irrigation Water Quality Indices of Some Groundwater in Erbil Plain. An academic and scientific journal issued by Garmyan University. Vol. (1). P. (244-263). ISSN 2310-0087.
- Rajab, K., S., and Esmail, A., O. (2016). Effect of Irrigation Water Quality Indices of Groundwater on Some Soil Chemical Properties, Growth Yield and Nutrient Content of Wheat in Erbil plain. Second Scientific Agricultural Conference (2nd SAC). College of Agriculture. University of Duhok. Duhok. Iraqi Kurdistan region.

- Rajab K.S., (2015). Classification of some Groundwater for irrigation purposes, depending on IWQI in Erbil plain-Iraqi Kurdistan region. MSc. Thesis Agric. Coll. Univ. of Salahaddin. Iraq.
- Rajab, K.S., and Esmail, A. O. (2016). Effect of irrigation water quality indices of groundwater on some soil chemical properties, growth yield, and nutrient content of wheat in Erbil plain. The 2nd Scientific Agricultural Conference, 691.
- Esmail, A.,O., and Rajab, K., S. (2018). Effect of chemical composition of irrigation water on some growth and yield of corn and P-availability in calcareous soil. JZS (2018) Special Issue, 2nd conference of agricultural sciences. College of Agriculture. University of Sulaimani -Kurdistan Region – Iraq.
- Rajab, K. S., and Esmail, A.O. (2020). Effect of ion pairs on decreasing the risk of using saline water for irrigation. The Iraqi Journal of Agricultural Science 51 (2), 637-643. <https://doi.org/10.36103/ijas.v51i2.991>
- Rajab, K.S., and Esmail, A.O. (2021). Classification of Some Spring Waters in Erbil Governorate Using Different Methods. IOP Conference Series: Earth and Environmental Science 761 (1), 012014.
- Rajab, K.S., and Esmail, A.O. (2022). Influence of Ion Pairs and Activity on the Index of Irrigation Water Quality Relying on Some Modern Terms in Erbil Governorate. Zanco Journal of Pure and Applied Sciences 34 (2), 118-128.
- Rajab, K.S. and Esmail, A.O. (2023). Role of ion pairs and activity in estimation of ionic strength from electrical conductivity of irrigation water. Iraqi Journal of Agricultural Sciences, 54(3), pp.755-767. <https://doi.org/10.36103/ijas.v54i3>.
- Rajab, K.S. (2025). Water Chemistry and Soil Type as Key Factors in Ion Pair Formation. Kirkuk University Journal for Agricultural Sciences. ISSN:2958-6585. <https://doi.org.10.58928/ku24.16216>.

## Conferences and courses attended

- Modern and climate-smart farming and water management for selected supply chains in Iraq. Training course by (Kick-off meeting and training for the Nuffic Orange Knowledge Program TMT+ Project). 2020.
- International collaborative conference of modern agricultural technologies (ICCMAT). 24-25 March, 2021.
- Training course environment and its pollution causes. 5-9 September, 2021.
- Training course laws of the environment. 28-30 October, 2021.

- 2<sup>nd</sup> International Conference on Education and Teaching (ICET), .8 – 9 May 2022.
- Training course in environmental language. 15-16 January, 2022.
- 3<sup>rd</sup> international conference of the agriculture science college of agriculture and engineering science, university of Sulaimani. 15-16 Jun 2022
- 3<sup>rd</sup> international conference on education and teaching (ICET). 17 – 18 May, 2023.
- 3<sup>rd</sup> Conference on Student Research Project Idea Grant. 2 February, 2023.
- Competition for the best graduation project and the best academic poster of students of Salahaddin University-Erbil. 30 April, 2023.
- Participate in a training course on Data analysis by SAS program in 2024
- 1<sup>st</sup> international conference on Education, Empowerment and Entrepreneurship (ICTripleE). Organized jointly by Salahaddin University and Rwanga foundation on May 6-8<sup>th</sup> 2025.
- Rowing through numbers: Celebrating Francesco Pappalardi's 60<sup>th</sup> birthday. on 18-21 May 2025.

## Workshops attended

- Public health pesticides and their mode of action.
- Student project and research challenge (SPARC).
- How to create and send certificates of attendance for events using Google Forms
- Preparation of Nano-Bio ceramic material for medical applications.
- Artificial intelligence in learning and research.
- Capacity building for water experts' network and integrated entrepreneurship (Design Thinking, Agribusiness startups, and Program Management)

## Professional memberships

- Membership of the Kurdistan union of agricultural engineers.

## Professional Social Network Accounts:

- google scholar: <https://scholar.google.com/citations?hl=en&user=k7e953QAAAAI>.
- research gate: <https://www.researchgate.net/profile/Kazhin-Rajab>.
- linked in : <https://www.linkedin.com/feed/>.
- Orcid: <https://orcid.org/my-orcid?orcid=0000-0001-7495-1480>.