

Curriculum Vita

1. **Surname:** Kaka Hama
2. **First Name:** Tariq
3. **Middle Name:** Hamh Karim
4. **Date of Birth:** July 1, 1952
5. **Place of Birth** Sulaimani, Iraq
6. **Marital Status :** Married
7. **Number of Children:** Two daughters + 1 Son
8. **Nationality and citizenship:** Kurdish, Iraqi
9. **Postal Address:** Soil and Water Dept., College of Agriculture, University of Salahaddin, Erbil, Iraq.
10. **E-Mail Address:** solavtariq@ yahoo. com
11. **Qualifications**

Institute	Period		Certificate	Specialization
	From	To		
1. University of Sulaimaini, Sulaimaini, Iraq	1972	1975	BSc	Soil Science
2. University of Baghdad, Baghdad, Iraq	1976	1978	MSc	Soil Physics
3. University of Baghdad, Baghdad, Iraq	1987	1992	PhD	Soil Physics

12. Previous Posts

- a. The Reporter of the Central Scientific Promotion Committee, University of Salahaddin, Erbil, Iraq
- b. Supervisor of Kurdistan agricultural higher education development in collaboration with the University of Hawaii,(KAHEAD-Supervisor), Ministry of Higher Education and Scientific Research, Erbil, Iraqi Kurdistan Region
- c. The chief of scientific and postgraduate committee, College of Agriculture, University of Salahaddin, Erbil, Iraq
- d. Member of the Scientific Journal of the University of Dohuk, University of Dohuk, Dohuk, Iraqi Kurdistan Region.
- e. The Manager of Scientific Section, College of Engineering, University of Salahaddin, Erbil Iraq. From 1994 - 1997.
- f. The Manager of the Scientific Section, at the presidency of the University of Salahaddin from 1997 – 2000.
- g. The Secretary of the Scientific Journal of the University of Salahaddin, Erbil, Iraq from 1996 – 2002.

13. Current Post

1. The chief of the scientific committee of College of Agriculture- University of salahaddin
2. The member of the advisory board of Agricultural Journal of Kirkuk University
3. The member of the advisory board of Zanco Journal of the University of Salahaddin
4. Member of teaching staff at the Dept of Soil and Water Science, College of Agriculture, University of Salahaddin.

14. Academic Skills

a) Teaching the following undergraduate courses at different Colleges:

Engineering analysis, soil mechanics, mathematics, irrigation and drainage, statistics, computer applications, differential equations, numerical analysis, soil physics, land leveling, computer programming, irrigation systems, watershed management, soil management, soil water plant relationship, cartography, soil conservation, computer applications, Soil water plant relationship, Engineering Drawing supported by AutoCAD

b) Teaching the following graduate courses: Advanced engineering mathematics, Optimization, regression analysis, Irrigation systems, soil physics, soil conservation, applied mathematics, computer programming, Soil survey and classification, .

15. Area of researches

Prediction of evapotranspiration from elevation, terrace spacing, prediction of water retention curve, Prediction of soil erodibility, exploitation of shallow and rocky lands, A logistic linear model for predicting infiltration of water into soils, Prediction of infiltration rate from the time coefficient of Kostiaskov equation, determining a formula to determine the catchment of pits. Mulching with organic and inorganic materials to reduce soil evaporation, inducement of runoff for water harvesting, Control of seepage from small earthen ponds, used of bioplastic treatment to reduce evaporation. Innovative technologies (deep planting, pitting and rock mulching) for reforestation in dry areas. Specifying catchment: cultivated area for runoff strips in Erbil region. How to tackle problems related with soils with swell-shrink potential, water resources conservation planning, erosion risk analysis, effect of rock fragments on rate of soil erosion, emitter spacing

16. Supervisions of postgraduate studies

Previous supervisions: 2 Diploma +34 MSc + 8 PhD students in the fields: Water harvesting, seepage control, soil conservation, swell-shrink potential, watershed management, infiltration modeling, cyclic loading and unloading, developing drip irrigation system, erosion risk analysis, terrace spacing, groundwater recharge, rock fragments and soil erosion, overland flow, irrigation performance in cracked soils, prediction of rainfall erosivity from multivariate models.

Current Supervision: 3 MSc and 4 PhD students in the field of watershed management, row cleaner, rainfall erosivity, improving efficiency of furrow irrigation system, emitter spacing.

17. Conferences

- a. The First and the second Conferences of the University of Salahaddin, 1994, 1996
- b. The Environmental protection Conference, Dohuk, April, 2007
- c. The third Environmental Conference, Sulaimani, Iraq, 7-8/10/2009
- d. An international conference on revitalizing research in Kurdistan, 16 -18 October, 2010.

18. Training

- a. Spatial planning, Dortmund, Germany, February, 2002
- b. Ahead Project in collaboration with the University of Hawaii, ICARDA, Aleppo, Syria, 2004
- c. Soil and Water management. The Egyptian international agricultural center, Cairo, June, 2007

19. Working with FAO in the area of:

- a. Agro-ecological zoning

- b. Land use
- c. Crop water requirement of different agricultural basins.
- d. Gully erosion control in Smaquly watershed/ Erbil governorate
- e. Rehabilitation program for Kapakian watershed / Erbil governorate

20. Computer skills: Word, Excel, Access, Qbasic, Statgraphics, SPSS, Surfer, Matlab, Auto-CAD, Arc-Map

21. Elaborated Languages (read, write and speak): Kurdish, Arabic and English