

CURRICULUM VITAE



I. PERSONAL DATA:

1. Full Name **AL-KAYSSI ABDULWAHAB ABDULRAZAK**
Family name First Middle
2. Place & Date of Birth **IRAQ, Baghdad, July, 1, 1956**
3. Nationality **IRAQI**
4. Married Yes: No: Number of children **One**
5. Permanent Address **Al-Edrisy district, 505/76/1, Baghdad – Iraq**
6. Present Address **Tikrit University, University Campus, House No. 12BG, Tikrit, IRAQ**
7. E-mail [wa.alkayssi@Yahoo.com](mailto:wa.alkayssi@yahoo.com) ; wa.alkayssi@gmail.com : wa.alkayssi@tu.edu.iq
8. Cell Phone **+964 77 03 74 06 36**

II. ACADEMIC QUALIFICATIONS:

Degree	University	Country	Year	Field of Specialization
PhD.	Baghdad	Iraq	1997	Soil Water & Thermal Regime
MSc.	Baghdad	Iraq	1983	Soil Physics
BSc.	Baghdad	Iraq	1979	Soil Science and Water Resources

Languages/Special Skills:

Arabic	Speaking Excellent	Reading Excellent	Writing Excellent
English	Speaking Good	Reading Excellent	Writing Excellent
Computer Skills	Excellent		

III. PROFESSIONAL EXPERIENCE

Academic Positions:

Title	From - To	Institute	Country
Scientific Researcher	1983-1989	Scientific Research Council	Iraq
Head of Agricultural Application of Solar Energy Department	1989-1994	Solar Energy Research Center	Iraq
Director of Greenhouses Project	1994-1995	Solar Energy Research Center	Iraq
Head of Scientific Affairs Department	1995-1997	Solar Energy Research Center	Iraq
Head of Water Desalination and Agricultural Technology Department	1997-1999	Solar Energy Research Center	Iraq
Executive Director of Rainfall Enhancement program	1999-2002	Ministry of Agriculture	Iraq
Executive Director of Irrigation Technology Development Program	2000-2005	Ministry of Agriculture	Iraq
Assistant Professor	2005 - 2011	Tikrit University	Iraq

Professor	2011 - Now	Tikrit University	Iraq
Dean Assistant	2006 - 2010	College of Agriculture, Tikrit University	Iraq
Director of training center	2010-2012	Tikrit University	Iraq
Dean Assistant	2012-2013	College of Agriculture, Tikrit University	Iraq
Dean	2013-2014	College of Agriculture, Tikrit University	Iraq
Agricultural Advisor	2005 - Now	Salahaddin Provincial Reconstruction Team, Salahaddin Provincial Council	Iraq
Editor in Chief	2016 - Now	Tikrit University Journal of Agricultural Sciences	Iraq

Member of Iraqi Society of Soil Science

Member of Editorial board of the Journal of Agriculture Food and Development.

IV. HONORS: (Names and dates of professional honors, awards, fellowships and scholarships)

Names	Dates
National coordinator with ICARDA (International Center of Agricultural Researches in Dry Areas) for WANA (West Asia and North Africa) project.	2003-2005

V. COURSES TAUGHT

Undergraduate Courses

Soil Physics

Hydrology

Irrigation & Drainage

Graduate Courses

Advanced Soil Physics

Advanced Hydrology

Advanced Irrigation

Advanced Soil Mechanics

VI. RESEARCH EXPERIENCE:

Projects and Grants:

- 1: Rainfall Enhancement project, Funded by the Ministry of Agriculture in Iraq.
- 2: Irrigation Technology Development Program, Funded by the Ministry of Agriculture in Iraq.
- 3: Development of Medical and Aromatic Plants in Gypsiferous soils, Funded by the Iraqi Ministry of Higher Education and Scientific Research.

VII. Important Conferences:

18th World Congress of Soil Science held in Philadelphia, PA, USA, 2006

VIII. LIST OF PUBLICATIONS:

- 1- **AL-Kayssi, A.W.** and Naji, T. Influence of Barium chloride addition on plant growth and some properties of Gypsiferous soil. Journal of Agriculture & Water Resources, 4(3), 107-119, 1985. **(Iraq, Arabic)**.
- 2- AL-Gobari, A. A.; **AL-Kayssi, A.W.**; Iyada, A.D.; AL-Rawi, J.Z.; and Hussain, R. Effect of some irrigation methods on moisture distribution in soil profile and gladiolus growth under greenhouse conditions. The first symposium of solar energy applications in agriculture (proceedings), Baghdad, vol. 4, 40-58, 1985. **(Iraq, Arabic)**.
- 3- AL- Gobori, A. A.; **AL-Kayssi, A.W.** and Khdaier, H. Interaction effect of soil salinity and moisture content on the growth and yield of soybean. Fourth Scientific Conference, Scientific Research Council, 1 (2), 702- 713, 1986. **(Iraq, Arabic)**.
- 4- **AL-Kayssi, A.W.**; Naji, T. and Ibraheem, N. Effect of Bentonite on some properties of Dor gypsiferous soil and plant growth. Fourth Scientific Conference, Scientific Research Council, 1 (1), 67, 1986. **(Iraq, Arabic)**.
- 5- Iyada, A.D; **AL-Kayssi, A.W.**; AL-Kereem, E.A and Beker, S.A. Influence of relative humidity on solar radiation under plastic-house conditions. Advances in solar energy technology, 4, 3342-3346,1987. **(Germany, English)**.
- 6- **AL-Kayssi, A.W.** and AL-Riahi, M. Photosynthetically active radiation prediction under greenhouse conditions. The Heliograph, 4, 44-49, 1988. **(Sweden, English)**.
- 7- Hasoon, A.M.; **AL-Kayssi, A.W.** and Hussain, R. Inhibition of nitrification by Gamma irradiation in soil under plastic-house conditions. Soil Science & Plant Nutrition, 34 (2), 215- 219, 1988. **(Japan, English)**.
- 8- **AL-Kayssi, A.W.**; Iyada, A.D.; Beker, S.A. and AL- Yassiri, E. Effect of relative humidity on soil and air temperature variations and plant growth under plastic- house conditions. Third Arab international solar energy conference (proceedings), 8, 73-78,1988. **(Iraq, English)**.
- 9- **AL-Kayssi, A.W.** and Sana, A.B. Effect of irrigation and mulching on salts movement in greenhouses. Third Arab international solar energy conference (proceedings), 8, 36 – 43,1988. **(Iraq, Arabic)**.
- 10- Baqawi, N.M.; **AL-Kayssi, A.W.** and AL-Aridhi, T.M. Effect of soil temperature on ammonium fixation in some Iraqi soils. Third Arab international solar energy conference (proceedings), 8, 31-36,1988. **(Iraq, English)**.
- 11- **AL-Kayssi, A.W.**; Sana, A. and Hussain, R. Influence of soil solarization on salts movement and distribution. Plasticulture, 84 (4), 47-53,1989. **(France, English & French)**.
- 12- Hasson, A.M.; Al-Karaghoul, A.; **AL-Kayssi, A.W** and Hussain R. Net radiation distribution within plant canopy in the plastic-covered greenhouse near Baghdad. The Heliograph, 2, 45-49, 1989. **(Sweden, English)**.
- 13- AL-Riahi, M.; AL-Karaghoul, A., Hasson, A.M. and **AL-Kayssi, A.W.** Relations between radiation fluxes of a greenhouse in semi- arid conditions. Agricultural & Forest Meteorology, 44,329- 338, 1989. **(USA, English)**.
- 14- AL-Karaghoul, A.; **AL-Kayssi, A.W.** and Hasson, A.M. The photometric properties of different colored plastic mulches used for soil solarization. Solar & Wind Technology, 7 (2), 119-123, 1990. **(United Kingdome, English)**.
- 15- **AL-Kayssi, A.W.**; AL-Karaghoul, A.A;Hasson, A.M. and Beaker,S.A. Influence of soil moisture content on soil temperature and heat storage under greenhouse conditions. Journal of Agricultural Engineering Research, 45,241-252, 1990. **(United Kingdome, English)**.

- 16- **AL-Kayssi, A.W.** and AL-Karaghoul, A. Influence of different colored plastic mulches used for soil solarization on the effectiveness of soil heating. Soil Solarization, 109,297-308,1991. **(USA, English)**.
- 17- AL-Riahi, M. and **AL-Kayssi, A.** Some comments on time variation in solar radiation over Baghdad, Iraq. Renewable Energy, Vol. 14, 479-484, 1998. **(United Kingdome, English)**.
- 18- AL-Karaghoul, A. and **AL-Kayssi, A.W.** Influence of soil moisture content on soil solarization efficiency. Renewable Energy, vol. 24, 131-144, 2001. **(United Kingdome, English)**.
- 19- **AL-Kayssi, A.W.**, Aoda M.I. and AL-Karaghoul, A. Saptial variability of soil moisture and temperature under plastic–tunnel condition. Iraqi Journal of Soil Science, Vol.1, 17-30, 2001. **(Iraq, Arabic)**.
- 20- **AL-Kayssi, A.W.**, Aoda, M.I., and AL-Karaghoul, A. Influence of mulching on soil thermal and moisture regimes and pepper production under plastic–tunnel conditions. Iraqi Journal of Soil Science, Vol.1, 188-205, 2001. **(Iraq, Arabic)**.
- 21- **AL-Kayssi, A.W.**, Influence of PE–Films treated with parafin–wax on soil heat storage under greenhouse condition. The 17th World Congress of Soil Science (proceedings), Bangkok, (paper no. 924), pp. 1-10, 2002. **(Bangkok, English)**.
- 22- **AL-Kayssi, A.W.** Spatial variability of soil temperature under greenhouse condition. Renewable Energy, vol. 27, 453-462, 2002. **(United Kingdome, English)**.
- 23- Aoda, M. I., **AL-Kayssi, A. W.**, and AL-Karaghoul, A. Influence of mulching on energy balance under Plastic-Tunnel conditions. Basrah Journal of Agricultural Science, Vol. 15 (4), 2002. **(Iraq, Arabic)**.
- 24- **AL-Kayssi, A.W.** and AL-Karaghoul, A. A new approach for soil solarization by using paraffin-wax emulsion as a mulching material. Renewable Energy, vol. 26, 637-648, 2002. **(United Kingdome, English)**.
- 25- **AL-Kayssi, A. W.**, Aoda, M. I., and AL-Karaghoul, A. Modeling of soil thermal and moisture regimes under plastic–tunnel conditions. Iraqi Journal of Agricultural Science, Vol.1 (34), 2003. **(Iraq, Arabic)**.
- 26- AL-Hadithi, I.K; **AL-Kayssi, A.W.** and AL-Mohamdy, S.M. Evaluation of Center Pivot sprinkler irrigation system (Lindsay type). AL-Anbar Journal of Agricultural Sciences,4(2), 1-5, 2006. **(Iraq, Arabic)**.
- 27- **AL-Kayssi, A. W.** Predicting soil moisture in the field from amplitude temperature., Tikrit Journal for Agricultural Research, Vol. 7 (2), 2007. **(Iraq, English)**.
- 28- AL-Hadithi, I.K; **AL-Kayssi, A.W.** and AL-Mohamdy, S.M. Effect of depth and irrigation interval on some characteristics growth and production for mung bean in gypsiferous soil under sprinkler irrigation. AL-Anbar Journal of Agricultural Sciences, 5(1), 1-9, 2007. **(Iraq, Arabic)**.
- 29- **AL-Kayssi, A.W.** Impact of elevated CO₂ concentrations in the soil on soil solarization efficiency. Applied Soil Ecology, 43, 150-158, 2009. **(English)**.
- 30- **AL-Kayssi, A.W.**; Shihab, R.M. and Mustafa, S.H. . Impact of soil water stress on Nigellone oil content of black cumin seeds grown in calcareous-gypsifereous soils. Agricultural Water Management, 100, 46-57, 2011. **(English)**.
- 31- **AL-Kayssi, A.W.** and AL-Dabsaa, A.S.T. Relationship between wetting and drying cycles and gypsum content on some physical characteristics of gypsifereous soil. 5th scientific conference of College of Agriculture-Tikrit University proceeding, pp. 528-538, 26-27 April, 2011. **(Iraq, Arabic)**.
- 32- Sahar, N.M. and **AL-Kayssi, A.W.** Estimating the special variation of the hardness of surface soil under both fixed and pivot sprinkler irrigation systems in Gypsic soil. Tikrit Journal for Agricultural Research, Vol. 13 (2), 2013. **(Iraq, Arabic)**.

- 33- Salman, A.D. and **AL-Kayssi, A.W.** Effect of water drop energy of sprinkler irrigation on clay and silt particles transportation in different gypsiferous soils. Tikrit Journal for Agricultural Research, Vol. 14 (3), 2014. **(Iraq, Arabic)**.
- 34- AL-Taie, E.T.D. and **AL-Kayssi, A.W.** Relation of water and gypsum movement in soil with different discharges of drip irrigation. Tikrit Journal for Agricultural Research, Vol., 16 (2), 2016. **(Iraq, Arabic)**.
- 35- Al-Nasiri, O.N.A. and **AL-Kayssi, A.W.** Spatial variability of soil moisture content under border irrigation system and its relationship with wheat growth. Tikrit Journal for Agricultural Research, Vol., 16 (3), 2016. **(Iraq, Arabic)**.
- 36- **AL-Kayssi, A.W.** Impact of successive wetting and drying cycles on some physical properties of gypsiferous soils. Journal of Agriculture Food and Development, 2, 5-15, 2016. **(English)**.
- 37- **AL-Kayssi, A.W.** and Mustafa, S.H. Modeling gypsiferous soil infiltration rate under different sprinkler application rates and successive irrigation events. Agricultural Water Management, 163, 66-74, 2016. **(English)**.
- 38- **AL-Kayssi, A.W.** and Mustafa, S.H. Impact of elevated carbon dioxide on soil heat storage and heat flux under unheated low-tunnels conditions. Journal of Environmental Management, 182, 176-186, 2016. **(English)**.
- 39- Hasson, A.M.; Al-Karaghoul, A.; **AL-Kayssi, A.W** and Hussain R. " Use of tobacco residue as a soil mulch to improve the vegetables production" **Pant number 2256** issued by the central office for instrumentation and quality control- Ministry of Planning 1990. **(Iraq, Arabic)**.
- 40- **AL-Kayssi, A.W.** "Manufacturing of paraffin- wax emulsion for water condensation prevention under greenhouse condition". **Pant number 2869** issued by the central office for instrumentation and quality control- Ministry of Planning 2001. **(Iraq, Arabic)**.
- 41- **AL-Kayssi, A.W.** "Manufacturing of an instrument for weed control" **Pant number 2881** issued by the central office for instrumentation and quality control- Ministry of Planning 2001. **(Iraq, Arabic)**.
- 42- **AL-Kayssi, A.W.** and Mustafa, S.H. "Modification of soil thermal storage by CO₂ injection into double-layer plastic covers of unheated low-plastic single-frame structure tunnels". **Pant number 4750** issued by the central office for instrumentation and quality control- Ministry of Planning 2016. **(Iraq, Arabic)**.
- 43- **AL-Kayssi, A.W.** "Modification of soil Solarization by using carbon dioxide". **Pant number 4779** issued by the central office for instrumentation and quality control- Ministry of Planning 2016. **(Iraq, Arabic)**.
- 44- **AL-Kayssi, A.W.** "Development of soil Solarization by using paraffin emulsion as a soil surface mulch". **Pant number 5202** issued by the central office for instrumentation and quality control- Ministry of Planning 2017. **(Iraq, Arabic)**.