**Curriculum Vitae**

**Kamel I. Sultan**

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**Personal:**

Place of Birth: Hebron, Jordan.

Date of Birth: Nov, 23, 1954

Marital Status: Married, five daughters

Professional Address: P. O. Box 144

Postal code: 11941

Jubaiha, Jordan.

Tel. + 962-(06)-5346408

Mobile: +962 (079) 5009498

Home address: 18, Barfeelya St.

Al-Rayyan Av.

Jubaiha

Amman, Jordan

Telefax. 962- (06) - 5346-408

E-mail: [k\_sultan54@yahoo.ca](mailto:k_sultan54@yahoo.ca) , [kamel@go.com.jo](mailto:kamel@go.com.jo), [kisultan54@gmail.com](mailto:kisultan54@gmail.com)

**Professional Education:**

B. Sc. Animal Production -University of Jordan, 1977.

M. Sc. Animal Production -University of Jordan, 1998.

Ph. D Agribusiness and Agricultural Economics - University of Jordan, 2005.

**Title of M. Sc. thesis**

"Effect of Enzyme Supplementation to Barley Containing Diets on the Performance of Laying Hens"**.**

**Title of Ph. D. thesis**

"The Optimum Layer Farm Size in Jordan and the Improvement of its Production and Economic Efficiency".

**PROFESSIONAL POSITIONS**

1977-1982: Assistant manager, S. Twal Farm. Dulail, Jordan

1982-1986: Salesman, Jordan Feed Co. (Provimi). Amman, Jordan.

1986-2004: General Manager, S. Twal Farm. Dulail, Jordan.

2004-2008: Own private egg production project.

2008-2010: Project manager, Noor El-Emirate Poultry Project, Normandi Development Co., Khartoum, Sudan.

2010-2011 Own freelancer consultation business

2011-2014 Owner and General Manager of Kamel Establishment for Agricultural Consultations

2014 -now Assistant Professor at the Department of Agricultural Economics and Extension in the Faculty of Agricultural- Jerash University.

2017 Part time teacher at the Jordan University of Science and technology, in addition to Assistant Professor at the Department of Agricultural Economics and Extension in the Faculty of Agricultural- Jerash University.

2017- now Assistant Professor at the Department of Agricultural Economics and Extension in the Faculty of Agricultural- Jerash University.

**ACCOMPLISHMENT CERTIFICATES**

1998 Ministry of Agriculture, voluntary work.

1996 Microsoft Authorized Training Center.

2000 Ministry of Agriculture, voluntary work.

2017 Agricultural Engineers Association, the Expert Degree Award.

**WORKSHOPS and TRAING COURSES ATTENDED**

1979 Big Dutchman: A training Course on the Installation and Construction of Flat Deck and Universa Laying Batteries. Wezep, the Netherland.

1988 Euribrid: Technical know-how in the field of poultry. Boxmeer, the Netherlands.

1999 American Soybean Association, the Brill Corporation and United Soybean Board: *Feed formulation, techniques and procurement planning methods*. Amman, Jordan.

1999 Arab League, Arab Apiary Union: Apiculture and Beekeeping training. Amman, Jordan.

2001 Euro-Jordanian–Business Service Team: *The business plan as a practical management tool.* Amman, Jordan.

2001 Euro-Jordanian–Business Service Team: *Costing/pricing for growth*. Amman, Jordan.

2002 American Soybean Association, The Brill Corporation and United Soybean Board: *Feed formulation, techniques and procurement planning methods*. Amman, Jordan.

2002 American Soybean Association and United Soybean Board: *Feed formulation and ingredients purchasing planning methods.* Cairo, Egypt.

2003 American Soybean Association and United Soybean Board: *Advanced marketing management training for agribusiness managers.* Cairo, Egypt.

2003 American Soybean Association and United Soybean Board: *Hedging seminar*. Amman, Jordan.

2010 American Soybean Association and United Soybean Board: *Poultry Nutrition seminar*. Amman, Jordan.

2010 American Soybean Association and United Soybean Board: *Poultry Nutrition & Disease seminar*. Beirut, Lebanon.

2011 FAO, *Training of Trainees (TOT) on Climatic Changes*, Amman, Jordan

2016 Climate Change, Sustainable Agriculture and Food Security in Jerash University Preparatory Committee member for the preparing the master degree in.

**Training Workshop Prepared and Presented:**

2005 Least-cost feed formulation using Solver Excel. Sonokrot Farms.Amman, Jordan.

2007 Least-cost feed formulation using Solver Excel. Agricultural Engineers’ Association.Irbid, Jordan.

2010 Least-cost feed formulation using Solver Excel. Agricultural Engineers’ Association.Amman, Jordan.

2010 Least-cost feed formulation using Solver Excel. Agricultural Engineers’ Association.Amman, Jordan.

2011 Least-cost feed formulation using Solver Excel. Agricultural Engineers’ Association.Amman, Jordan.

2011 Least-cost feed formulation using Solver Excel. Agricultural Engineers’ Association. **Al-**Karak, Jordan.

2012 Adaptation to Climatic Changes. Agricultural Engineers’ Association.Amman, Jordan.

2018 Least-cost feed formulation using Solver Excel. Agricultural Engineers’ Association.Amman, Jordan.

**Lectures Prepared and Presented:**

2005 Reducing costs of feed using least-cost formulation. Agricultural Engineers’ Association. Amman, Jordan.

2006 Avian Influenza: The reality and exaggeration. Agricultural Engineers’ Association. Irbid, Jordan.

**PROFESSIONAL EXPERIENCE**

Manager of layer farm with a capacity of 175,000 birds.

Manger of an olive farm (11,000 trees) and other horticulture (including pears, pistachios and plums etc.).

Marketing of table eggs with annual production of around 70,000 boxes (360egg/box).

Marketing of olive oil, olives (with annual production of 96 tons), and other fruits and vegetables

Feed formulation experience for poultry.

Financial management of a farm with around 70 permanent workers and around 250 occasional workers.

Vaccination, preventive measures and disease control of poultry farms.

Pesticide applications and the preparation of disease preventive programs for olive and fruit trees.

* Least-cost feed formulation using different computer programs.
* Consultant, National Farms Co, (the previous agent for Hisex layers and present agent for Hyline layers in Jordan, and broiler day old chicks’ producer).
* Preparing the complete feasibility study and the invitation for bids for an investment poultry project with 5 million broilers per year, 20 thousand capacity broiler parent stocks, 10 tons per hour feed factory and 6 thousand birds per hour slaughter house in Sudan. The procurement and assembly of the completely integrated poultry project. The preparation of the timetable of assembly and production. Preparing the marketing plan and the marketing and storage facilities for this project.
* Preparing the socio economic feasibility study of constructing and foundation of the poultry project in Sudan.
* Consultation for feed producers and farm management including a complete feasibility study of an Iraqi layer project (Al-Koufeh Poultry Project).
* Consultation about the socio-economic and environmental impacts of Zarqa Governorate Wastewater System Reinforcement and Expansion (TIP and RAP study).
* Socio-economic study and analysis of the effect of testing the extraction of oil from the oil shale in Al-A’mereyeh municipality which was accomplished by Jordan Oil shale Company (JOSCO).
* The Socio-economic study and analysis of Jeddah Environmental Assessment (JEA) and Jeddah Social and Environmental Master Plan (JSEMP) under supervision of the Presidency of meteorology and Environment (PME) in Jeddah. This project was implemented by Ramboll Middle East Co. under the supervision of AECOM Co.
* The Socio-economic study of Yarmouk Basin area in Jordan to study the most efficient farmers' production using the available water resources in the Yarmouk Basin.
* The socio-economic and cost benefit analysis of the “Assessing Means of Water Supply, Water Saving Potentials & Cost Benefit Analysis to Determine the Optimum Means to Enhance Water Security in the Five Selected Areas within South Shouneh, Madaba and Irbid” project supported by GIZ.
* The socio economic study; preparing a questionnaire, preparing and execution of focus groups, analysis of data and preparing the final report for “*Baseline Study for Addressing Water Needs of Jordan Hosting Communities (AWANE) Project in Zarqa and Balqa Governorates*” project supported by Oxfam.
* Teaching project evaluation and feasibility study at Jerash University beside several courses in agricultural economics.
* Teaching several courses of Agricultural Economics; Project Evaluation, Price Analysis, Agricultural Crediting and Lending, Methods of Collection of Agricultural Information, Economic Analysis, Agribusiness Management, Environment and Agricultural, Resources Economics, Environment Economic, Agricultural Cooperative Economics, Practical Agricultural Economics, Principles of Agricultural Accounting, Econometrics for MSc program and Principles of Agricultural Statistics.
* The supervision of master's students in Master Degree of Agricultural Economics and Extension.
* Teaching the Principles of Economics at the Jordan University of Science and Technology.
* Member of the Preparatory Committee of the Climate Change, Sustainable Agriculture and Food Security (CCSAFS) master program at Jerash University.

**SKILLS**

* Advanced knowledge in: Windows (all versions), MS Word (all versions), MS Excel (all versions), Excel Solver (Linear Programming), Excel data analysis, MS Power Point (all versions) and Harvard Graphics.
* Lindo Linear Program.
* TORA Linear Program.
* Brill (Feed formulation program).
* SPSS (Data analysis program).
* Feed formulation using the linear programming method using excel solver program.
* Teaching skills using different teaching programs.

**RESEARCH WORKING EXPERIENCE**

Designing, collecting and analyzing data of a conducted experiment about the effect of enzymes to barley containing diets of layer hens on egg production and egg quality.

Data collecting for analysis for establishing the optimum layer farm size in Jordan and the improvement of its production and economic efficiency.

* Data collection and analysis for the economic, social and environmental impacts of Zarqa Governorate Wastewater System Reinforcement and Expansion.
* Data collection and analysis for the economic, social and environmental impacts of oil extraction experiment that was made in Al-Amereyeh governorate for the extraction of oil from oil shale.
* The translation of several papers and books about soybean oil crushing and preparation of the Handbook for Soybean Oil Processing for the American Soybean meal Association.
* Data collection and complete feasibility studies for several animal production projects in Jordan.
* Data collection and analysis about the feasibility of egg production in Iraq in 2006.
* Socio-economic studies for several projects in Jordan, Sudan and Saudi Arabia.
* Cost Benefit Analysis and feasibility of using water saving devices in households.
* Studying water requirements and interventions to secure water availability and reducing household consumption in different areas of Jordan including the feasibility of the utilization of gray water for house gardens irrigation.
* Performing “The introduction of a new promising crop to Jordan; Guar production and guar gum extraction” project supported by the Higher Council for Education and the EU (SRTDII).
* Performing the socio economic study for the “*Baseline Study for Addressing Water Needs of Jordan Hosting Communities (AWANE) Project in Zarqa and Balqa Governorates*” project supported by Oxfam.
* The execution of the EU supported Guar production in Jordan trial, where an experiment was done at the experimental farm of the Jordan University of Science and Technology (JUST) and at a private farm in Ramtha. The guar Gum was extracted and Guar meal was used in a broiler feeding experiment at the experimental farm of Jerash University.

**PUBLICATIONS**

**Published papers**

Sultan, K. & Abdulrahim, S., 2000. Effect of enzyme supplementation to barley containing diets on the performance of laying hens. *Dirasat*, 27(3):319-326.

Ibnouf, M. H., Sheqwarah, M. N. & Sultan, K. I., 2015. An Evaluation of the Participatory Learning and Action (PLA) Training Workshop. *Journal of Agricultural Science*; Vol. 7, (12). Published by Canadian Center of Science and Education, Canada.

Ibnouf, M. H., Sheqwarah, M. N. & Sultan, K. I., 2015. Competencies in Dairy Production Needed by Dairy Farmers of Kuku Cooperative Dairy Society in Khartoum State, Sudan. *Journal of Agricultural Science*; Vol. 7, (12). Published by Canadian Center of Science and Education, Canada.

Massad M. M., 2 Ali Jado Al-Sharafat A. J. and Kamel Ina’m Sultan K. I., 2017. Hawthorn Leaves and Flowers Addition to Layer Feed on and Productivity, Egg Weight and Egg Quality. *Asian Journal of Animal Sciences*. Vol. 11, (3): 115-122. Published by Science Allert, NY, USA.

Alrabadi, N. and Sultan, K., 2018. The Effect of Using Different Detergents in Cleaning Cows' Udders on the Microbial Content of Produced Milk. *International Journal of Biology*, Canadian Center of Science and Education. Vol. 10, No. 3: 47-51.

**Published books:**

Sultan, K. 2003.Corn manual. US Grain Council. 208 pp.

Sultan, K. 2004. American Corn: Standards and Quality. US Grain Council. 160 pp.

**Translated books:**

Sultan, K. 1998. Importer's Handbook. American Soybean Association. 73 pp.

Sultan, K. 2001.Poultry Manual: Parent stock and Laying Hens. American Soybean Association. 73 pp.

Sultan, K. 2001.Handbook for Soybean Oil Processing. American Soybean Association. 73 pp.

Sultan. K. 2003. Microscopic Feed Examination Manual. American Soybean Association. 130 pp.

**Translated papers, reports, news, newsletters and lectures:**

Sultan, K. 1998. Poultry Production in Syria and Lebanon. American Soybean Association. 39 pp.

Sultan, K. 2002.A Report on Agricultural Production in United Arab Emirates. American Soybean Association. 39 pp.

Sultan, K. 2004.Corn grading (power point lecture). USDA. 48 slides.

Sultan, K. 2004.FGIS Welcomes the Inspection Team (power point lecture). FGIS. 65 slides.

Sultan, K. 2004.Grading wheat (power point lecture). USDA. 66 slides.

Sultan. K. 2004. U.S. Soybean Inspection. American Soybean Association. 42 slides.

Sultan. K. 2004. NIR Feed Spectroscopy. American Soybean Association. 14 pp.

Sultan. K. 2004. Grain Quality and U.S. Standards. Federal Grain Inspection Service, USDA. 18 pp.

Sultan. K. 2004. Use of Dried Distiller Grains in Dairy Cattle Rations. US Grain Council. 15 pp.

Sultan. K. 2004. Use of Dried Distiller Grains in Beef Cattle Rations. US Grain Council. 18 pp.

Sultan. K. 2004. Use of Dried Distiller Grains in Poultry Rations. US Grain Council. 11 pp.

Sultan, K. 2006.Poultry Industry in Iraq: The Present Situation and the Future Horizons Iraq. Poultry Producers Union (Iraq). 44 pp.

Sultan, K. 2006. Impact of Avian Influenza on Poultry Industry: Case Study 1: Indonesia. 8 pp.

Sultan, K. 2006.Impact of Avian Influenza on Poultry Industry: Case Study 2: Malaysia. 6 pp.

Sultan, K. 2006. Impact of Avian Influenza on Poultry Industry: Case Study 3: Thailand. 5 pp.

Sultan, K. 2006. Impact of Avian Influenza on Poultry Industry: Case Study 4: Vietnam. 5 pp.

Sultan, K. 2006. Second Regional Meeting on Avian Influenza.Dead Sea, Jordan. April 11-12, 2006. 7 pp.

Sultan K. The translation and edition of Grain news newsletter (2005-2007 issues). US Grain Council.