

Curriculum Vitae
KHALID SHAWKY ALY TOLBA
Animal Health Research Institute
Dokki, Giza, Egypt



Name : KHALID SHAWKY ALY TOLBA

Mobile : 0114530707

Date of birth : 30 September, 1957

Place of birth : Cairo governorate – Egypt

Nationality : Egyptian

Place of work : Animal Health Research Institute (AHRI) –
Agriculture Research Center (ARC)

EDUCATION

B.V.SC. : Faculty of Veterinary Medicine, Cairo University, 1980.

M.V.SC. : Faculty of Veterinary Medicine, Cairo University, 1988.

Food Hygiene " Antibiotic Resistant microorganisms In some
meat products "

Ph.D. : Faculty of Veterinary Medicine, Cairo University, 1991.

Food Hygiene " Staphylococcal enterotoxines in meat products
from urban and rural areas ".

E-Mail : khshawkyali@hotmail.com

tolbakhalid@yahoo.com

EMPLOYMENT HISTORY

- Veterinary Doctor 1981 – 1989
- Research Assistant 1989
- Assistant Researcher 1989 – 1991
- Researcher of Food Hygiene 1991 – 1996
- Senior Researcher of Food Hygiene 1996 – 2001
- Chief Researcher of Food Hygiene 2001 – Till now

JOBS, TASKS AND PROFESSIONAL EXPERTISE

1- Head of Meat Hygiene Research Unit of Animal Health Research Institute, 1989 – 1994.

2- Head of Computer Unit of Animal Health Research Institute, 1988 – 1994.

3- Head of Fish Hygiene Research Unit of Animal Health Research Institute, 1994.

4- Head of Computer Projects No." 560 " and " 793 " of Canada Egypt McGill Agriculture Research Program CEMARP), 1988 - 1994.

Tasks of computer department:

- Registration of data of all samples subjected for examination in different institute departments and their analytical results using Dbase
- Easily retrieval of any result for any sample
- Statistical analysis for samples for each Department separately
- Submit Quarter, half as well as annual report for institute director illustrates No. of rejected samples to accepted one

- Statistical analysis of research and national projects data
- Obtained ICDL (International Computer Driving License)

5- Lab. and quality control manager in Hail Agriculture Development Company (HADCO) – Kingdom of Saudi Arabia (KSA) as well as Poultry Slaughter house and Veterinary care Manager, 1994 – 2001. Sharing with HADCO professional team in developing and improving the lab. Diagnostic procedures, vaccination and treatment programmes based on scientific basis through the outsourcing of scientific researches applicable in different developed countries in the field of poultry industry and improvement of chicken quality through application of some changes in the slaughter house & development the methods of lab. Testing to match with modern scientific technology.

5.1. Follow up HADCO products of animal origin in sailing HADCO centers, supervising of cold stores of meat, poultry and their products.

5.2. Continuous evaluation of company products quality and study the way to its improvement.

5.3. Periodical examination of the products for human consumption as well as samples of (eggs, day old chick, broilers, parents, feed, water tanks, blood, dead and diseased birds) and swabs from poultry houses and slaughter house after application of cleaning and disinfection programme.

5.4. Veterinary health Supervision of poultry HADCO projects in conjunction with specialists in these projects which includes

5.4.1. Parent farms (42 houses with 920,000 bird total capacity).

5.4.2. Broiler farms (102 house with 3,800,000 bird / cycle).

5.4.3. Hatchery (80,000 chick / day).

5.4.4. Slaughter house (8,000 bird / hour).

5.5 Diagnosis of poultry diseases through:

5.5.1. Clinical symptoms

5.5.2. Post mortem lesion

5.5.3. Detection of immune bodies levels against (IB, IBD, ILT, NDV and AI). Using ELIZA and serological examination for (MG, MS, SP)

5.6. Application of some technical amendments in company slaughterhouse which would have contributed significantly to improve the product quality based on scientific researches

5.7. Sharing as membership of executive committee of Saudi Arabian specification organization (SASO) assigned to it preparation of specifications for fish and meat.

5.8. Technical supervision of Veterinarians working in poultry slaughter house.

5.9. I was accomplished some scientific researches on poultry, poultry products and their edible offal's in order to improve their quality and extend their shelf life through cold storage

6. Bacteriological specialist in Ministry of Agriculture – Saudi Arabia, (2001 – 2009) with the following functional tasks.

6.1. Lab. Diagnosis of different diseases of small and large animal (Deer, Camel, Goats, Sheep and Lbex) and carry out postmortem and withdrawal of samples for required analysis to determine the causative organism and carry out sensitivity test to determine the best antibiotic to treat each case individually, as well as inspection of pets (Dogs and cats) and Some types of birds of prey such as falcons and wild migratory birds

6.2. Lab. inspection of fresh and frozen poultry for the presence of food poisoning organisms and their fitness for human consumption and determine the antibody levels of different poultry viral diseases using ELISA.

6.3. Sharing in the national campaign to fight bird flu.

7. Head of Food Hygiene Department (AHRI), 2010 – 2013, supervise the implementation of ISO 17025/IEC 2005 requirements, for quality testing and calibration. The Dept. includes the following units some of which were accredited and the others being prepared for accreditation.

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| 1. Bacteriological Examination Unit | (Accredited) |
| 2. Food chemistry unit. | (Accredited) |
| 3. Harmful residual unit. | |
| 4. Microbial toxins unit | |
| 5. Sample receiving lab. | (Accredited) |
| 6-Animal byproduct unit | (Accredited) |
| 7. Food inspection lab. In Alexandria Governorate | (Accredited) |
| 8. Food inspection lab. In Port Said Governorate | (Accredited) |
| 9. Food inspection lab. In Demiatte Governorate | (Under accreditation) |
| 10. Food inspection laboratory in El-Areesh Governorate | (Under construction) |

During my presidency period of Food Hygiene Department i was complied the following tasks :

- 1- Development of laboratory diagnostic test methods in Bacteriology, Food chemistry and Byproduct units in the department and accredit these tests internationally according to the requirements of ISO 17025/2005.
- 2- Development of Lab. tests using recent methods for quantitative determination of Hormonal, Malachite green, Ractopamine growth promoter residues and Microbial toxins (Mycotoxins and bacterial toxins) in food of animal origin using ELISA.
- 3- Supervision of errands of Dept. Vet. Doctors sharing with representatives of Central Labs. Of Ministry of Health and General authority for import and export (Ministry of Trade) in re-examination of samples of food of animal origin through sharing committee
- 4- Supervise of errands of Dept. Doctors which performed with Dr. of GOVS in collection of samples from markets, cold stores, etc for laboratory diagnosis.
- 5- Judgment of fitness of food of animal origin for human consumption through matching of test results applied with the Egyptian standard specifications (EOS) items in addition to the quarantine laws for each product.

EXPERIENCES

Obtained the following grant and training courses

1. Training course (Grant) in "Laboratory attachment in Veterinary Bacteriology" – Malaysia Technical Cooperation Programme, 1992"

2. Attend a Computer training courses in:

2.1. Introduction and Advanced Disc Operating System (DOS).

2.2. Introduction, Intermediate and Advanced Word Perfect.

2.3. Introduction and Advanced Dbase IV.

2.4. Symphony levels (1 & 2).

2.5. Programming using Introduction of basic and basic workshop (Advanced basic).

2.6. Two training courses in using of computers in applied statistics.

2.7. Introduction of Word Star 2000.

3. Biomarkers and field monitoring devices of pesticides.

4. International Computer Driving License " ICDL ", 2010

5. Training course on project proposal writing and Research Funding Seeking, 2011.

6. Application of ISO 22000 FSMS "Food Safety Management System", 2011.

7. "ISO/IEC 17025 Internal Auditor Training Course" (EGAC), 2011

8. Training Course on " Crisis Management ", 2011

9. Training course "Project writing" from FAO "Food and Agriculture Organizations", 2012.

10. Training course on Egyptian Biosafety Association Orientation to Biorisk Management, 2013

11. Training course on Awareness in the field of Human Resource Management, 2013

TRAINING I WAS PROVIDED INSIDE and Outside ARE:

- **Internal Training and Lectures**

- 1- Training of Arab and Afro-Asian doctors on the application of Using of modern methods in the laboratory diagnosis of food of animal origin.
- 2- Several lectures about "Detection of buffalo's meat infected with Sarcocyst" through a symposium in Fac. Of Vet. Med., Cairo University, and for AHRI Doctors sharing in Govern. Delegation to examine Indian meat for sarcocyst, 2010.
- 3- Lectures about "Food safety" for Albanian and Tajikistanian trainees, 2011
- 4- Sharing in training of Graduating Senior Students within "Food Quality & Control" Program, Fac. Of Vet. Med., Benha University, of Academic Year (2009 – 2010) and (2010 – 2011).
- 5- Submit many lectures on Food safety and Food safety hazards through, 2010 – 2015.
- 6- Submit many lectures on Food safety and Genetically modified food and potential side effect of consuming such foods, 2010 – 2015.

7- Organize **ten** training courses on Application of" ISO 22000, Food Safety Management System "FSMS", prerequisite programmers and HACCP principles through 2010 – 2015(Each course continue for Two weeks).

8- Promising the five years research plan of Food Hygiene Research Department (2012 – 2017).

9-Execute the following lectures during February, 2014

- Application of Hazard Analysis and Critical Control Points (HACCP) system in poultry slaughterhouses
- Meat inspection in cattle Slaughter houses
- Food Safety & Methods of Sampling for Lab. Diagnosis
- Food Safety and Genetically Modified Foods (FS & GMF)

EXTERNAL TRAINING AND LECTURES PROVIDED OUTSIDE ARE

1- I was provided **three** lectures about Avian Influenza in (Ministry of Health - Infectious disease management, **2008**; Faculty of Education – Hail University, **2006** and Veterinarians of Ministry of Agriculture, **2006**) in Hail Region – Saudi Arabia

2- Training of Saudi Arabian Veterinarians and assistant Veterinarians of Ministry of Agriculture on :

- Laboratory diagnosis of animal diseases (Two weeks), 2003
- Biosecurity and lab. Diagnosis of poultry diseases (Three weeks), 2006.

- Biosecurity and lab. Diagnosis of poultry diseases (Two weeks), 2008.
- Quality evaluation of chicken poultry meat and their products (Fresh & Frozen) for (two weeks), 2009.

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ACTIVITIES and Membership of Professional Bodies

- 1- Member of the Egyptian Veterinary Medical Association.
- 2- Member of AHRI Research Committee from 2010 till 2015, as I reviewed and correct the research plan for more than 300 research forms
- 3- Member of the Scientific Association of Animal Health Research Institute
- 4- Member of scientific research assessment committee as I was assessed more than 200 scientific researches in the field of food hygiene, food inspection and food safety
- 5- Member of Editorial board of Veterinary Science, Animal Health Research Journal
- 6- Member of the Egyptian biosafety association (EGBSA)
- 7- Member of the Egyptian delegation for inspection of Imported frozen meat and poultry from Brazil, Germany and France during 1984 – 1985.

- 8- Member of the Egyptian delegation for inspection of imported frozen meat from India in 2010.
- 9- Member of the regional center of food safety and quality, Faculty of Vet. Med., Cairo University
- 10- Member of the committee assigned for amendment the decision of prime minister No. 1186, 2003 to decide the necessary tests applied for food of animal origin with a representatives of ministry of Trade, GOVS, Ministry of health and Central lab. For pesticides
- 11- Members of the committee assigned to change the terms of Egyptian standards (EOS) for food of animal origin (Meat, poultry and their products) during 2011 – 2013
- 12- Chairman of the committee mandated by the prosecution of central Cairo for funds to examine some of decisions ministerial regarding Egyptian standards for meat and their products based on the memorandum submitted to Attorney general in 2012
- 13- A member of the committee formed by Prime Minister to assess the health status of the cities of Al-Azhar University in order to stand on the causes of food poisoning of some university students and methods of prevention to obtain safe and healthy food in conjunction with some deans of Al-Azhar faculties and representatives from the Ministry of Health and the Central Lab. of Pesticides
- 14- Participating in the training programs established by the training management and veterinary services

program of the General Organization for Veterinary Services

- 15- Member of the scientific committee – Food Hygiene of the Egyptian Scientific Council.
- 16- Member of Editorial board of Journal of Egyptian Journal of Chemistry & Environmental Health.

Conferences, Seminars and Workshops attend

- 1- Attend many seminars and conferences on "Food safety" during 2010 & 2011.
- 2- Member Of The Scientific Committee of the **3rd** Scientific Conference of Animal Wealth Research In The Middle East & North Africa (MENA) Region, 29-30 November, 2010
- 3- Member of the Scientific Committee of the **4th** Scientific Conference of Animal Wealth Research In The Middle East & North Africa (MENA) Region, 3-5 October, 2011
- 4- Member of the Scientific Committee of the **5th** Scientific Conference of Animal Wealth Research In The Middle East & North Africa (MENA) Region, 1-3 October, 2012
- 5- Member of the Scientific Committee of the **6th** Scientific Conference of Animal Wealth Research In The Middle East & North Africa (MENA) Region, 27-30 September, 2013
- 6- Member of workshop for approval of Vet. Law and its bylaw with representatives from the EU and GOVS., 2011.

- 7- Member of the Scientific Committee of the **1st** Conference "Research & The Future Vision for Livestock Development" , 17-19 December, 2012
- 8- Member of the Scientific Committee of the **2nd** Conference of the scientific association of Animal Health Research Institute (SAAHRI), 2-6 February, 2014 – RAS SEDR
- 9- Member of the committee of assessment of Prepared Researches for Publication
- 10- Attend a seminar for " The challenges of food security" and the probability to obtain a Canadian Funds for applied researches or projects to resolve a problem concerning the Agriculture, Animal Wealth and Food security in Egypt and Africa, 20 Jan., 2014
- 11- Member of the Scientific Committee of the **2nd** Conference of the Scientific Association of Animal Health Research Institute: Vision – Protection – Development " , 3-6 February, 2014
- 12- Participating in the **2nd** International Conference of Environmental Science, Pesticides, Toxicology and Plant Protection Researches, 20 – 22 May 2014, Cairo – Egypt.
- 13- General trustee of the International Conference of "Food Safety and Technology", held on May 22, 2014 in Cairo and in the presence of many experts in the field of food safety and technology from different universities and research centers, it was discussed during the conference 55 research in the following items

- 1- Hazards affecting food safety
 - A- Biological Hazards (Bacterial – Fungal – Parasitic – Viral and Microbial toxins)
 - B- Chemical Hazards (Pesticides – Drugs - Synthetic hormones – Growth Promoters)
 - C- Physical Hazards
- 2- Environmental factors affecting food safety (Heavy metals as Lead – Arsenic – Mercury – Aluminum and Dryness)
- 3- Application of HACCP, Quality and Food Safety Management System (FSMS) in Food Establishments (Food processing plants, Hospitals, Restaurants, University Cities, Tourist restaurants)
- 4- Modern uses of antibacterial materials and products extracted from bacteria
- 5- Legislations, laws and decisions regulating the production, processing and handling of foods.

14- General trustee of the International Conference of Agriculture and Food Safety & Technology, held on November 19, 2014 in Cairo and in the presence of many experts in the field of food safety and technology from different universities and research centers and external speakers, **Prof. Dr. Norcan from Turkish and Dean of the Faculty of Agriculture, Basra University**, it was discussed during the conference 18 research in the field of food safety and technology.

15- Editor in Chief of "Global of Agriculture and food safety science "

- 16- Member of the scientific committee of first conference of chemistry and environmental health, 13 – 16 Nov., 2014.
- 17- Chairman of the Committee to assess the scientific researches of Food Hygiene, of the 2nd conference of chemistry and environmental health from 12 - 11/16/2015

PUBLISHED ARTICLES GUIDELINES:

The following articles guidelines about some diseases affecting animals and poultry has been published in Agriculture magazine of Saudi Arabia.

1. Caseous lymphadenitis in sheep, 2003.
2. Avian Influenza, 2004.
3. Dermatophytosis, 2005.
4. Bovine Tuberculosis (TB), 2008.

Leaflets guidelines about some diseases affecting animal and poultry published in Agriculture magazine of Agriculture Research Center, Ministry of Agriculture, Egypt.

1. Using of air and water chiller in poultry slaughterhouses
2. Escherichia Coli infection and methods of prevention, 2011.

CERTIFICATES OF THANKS AND APPRESIAIONS OBTAINED FROM

- 1- General Manager of HADCO Company for sharing in improving performance in poultry management.
- 2- General Manager of HADCO Company for developing the performance in the poultry slaughter house.
- 3- General Manager of HADCO Company for improving the performance and development of lab. Diagnosis in the lab. And quality control department.
- 4- Director General of Agriculture in Hail Region for training of Saudi-Arabia Vet. And their assistants, 2006 & 2008.
- 5- General Manager of Health Affairs in Hail Region, for sharing in training course of " AI ", 2007.
- 6- Dean of Teaching Collage – Hail University, for sharing in Symposium " AI ", 2006.
- 7- Dean of Faculty of Education for a lecture about " AI " throughout their Extracurricular activities, 2006.
- 8- Prince of Hail Region – Saudi Arabia, for sharing in the success of the activities of the Equestrian Club.
- 9- Fac. Vet. Med., Benha Univ. for valuable contribution to "Field Training" of the Graduating Senior Students of "Food Quality & Control" Program. 2010 & 2011.
- 10- Massive company for exhibitions and confereces

List of Publication

Of

DR.KHALID SHAWKY ALY TOLBA

Published papers = 25

Master Thesis Supervision = 6

Theses had discussed = 3 Master Thesis

Ph.D. Thesis Supervision = 4