



## CURRICULUM VITAE

### PERSONAL DATA

<b>Name</b>	Khaled Abdel Hakim Mohran
<b>Nationality</b>	Egyptian
<b>Date of birth</b>	17/12/1965
<b>Place of birth</b>	Cairo, Egypt
<b>Marital status</b>	Married with a child
<b>Present address</b>	Biotechnology Lab, Department of Animal Resources, P.O. Box: 23211 Ministry of Environment, Doha, Qatar. Tel: +974-44560540 Mob: +974-55737430 E-mail: kmahran@moe.gov.qa
<b>Permanent address</b>	Biotechnology Research Department, Animal Health Research Institute, Agriculture Research Center, Dokki, Cairo, Egypt.  Tel: +20224533454 Mob: +974-55737430 E-mail: kmahran65@yahoo.com

### EDUCATIONAL DEGREES

<b>Degree</b>	<b>Year</b>	<b>Institute</b>
Ph.D (Infectious Diseases)	1998	Cairo University
MVSc ((Infectious Diseases)	1994	Cairo University
DAP&E with distinction (Applied science)	1996 (6 months)	Institute for Medical Research (IMR), KL-Malaysia
BVSc	1988	Cairo University
Diploma in Professional Epidemiology in Action (on going)	2014-215	Liverpool School of Tropical Medicine

## **WORK EXPERIENCE**

1989 – 1990 Senior officer (Veterinary Services) Egyptian Army.

1990 – 1991 Research Student at Infectious Diseases Dept. Faculty of Veterinary Medicine, Cairo University.

1991-1998 Vet Specialist (Diagnostic & Research Labs) Animal Health Research Institute, ARC. Cairo Egypt

1998- -Researcher (Biotechnology Research Dept.) Animal Health Research Institute, ARC. Cairo Egypt

-Senior Researcher (Biotechnology Research Dept.) Animal Health Research Institute , ARC. Cairo Egypt

2001 – 2006 Veterinary Specialist (Animal Health Affairs)  
Department of Central Laboratories, Ministry of Municipal Affairs & Agriculture (MMAA) Doha, Qatar

2006 – till now Lab Expert and head of of Biotechnology Lab, ARD,DCL. (MOE) Doha, Qatar  
2013-Senior Researcher (Biotechnology Research Dept.) Animal Health Research Institute, ARC. Cairo Egypt

## **LABORATORY EXPERIENCES**

- **Lab establishment:**

**Technical supervision (Civil works, furnituring, equipment) for establishment of Biotechnology lab, Vet & Res Lab section, DAR, MOE, Doha Qatar.**

- **Lab Techniques professionalism:**

- **Molecular Techniques:**

**DNA, RNA extraction and purification:**

- Automated Magnetic beads technique
- Manual magnetic techniques (e.g Mag Max)
- Manual spin column techniques
- Basic Chloroform Phenol technique

**Amplification Techniques:**

- Direct PCR
- RT- PCR
- Multiplex PCR
- Nested PCR
- Real time PCR

**Genotyping, GeneScan :**  
Microsatellite technique,  
Sequencing

### **Automated Sequencing Analysis**

- **Immunological Techniques:**
  - Immunoblotting
  - ELISA
  - HA,IH, HI
  - FAT
  - Agglutination tests
  
- **Analytical Techniques:**
  - Agarose gel Electrophoresis
  - PAGE
  - Thin Layer Chromatography
  - High pressure Liquid Chromatography

### **CONFERENCES AND WORKSHOPS**

1. Emergency Diseases workshop under supervision of Food and Agriculture Organization (FAO). (1992)
  
2. Advanced Management conference under supervision of American National Agricultural Research Project (NARP). (1994)
  
3. The 3<sup>rd</sup> Arabian Biotechnology Conference, Scientific research Academy (1998)
  
4. The 19<sup>th</sup> Scientific Conference of the Egyptian Association for Fundamental Medical Sciences April, (1998).
  
5. Faculty of Veterinary Medicine conference, Zagazig University (Hurghada, Egypt) (1999)
  
6. The 6<sup>th</sup> Scientific Conference of the Faculty of Veterinary Medicine, Cairo University, October (2000)
  
7. The 25<sup>th</sup> Arabian Conference of Veterinary Medicine (2001).
  
8. OIE Regional workshop on Avian Influenza Emergency Control, Doha- Qatar May (2007).
  
9. The first Conference for Scientific Association of Animal Health Research Institute, Egypt 17-19 Dec 2012.

## **TRAINING COURCES**

- Training course in methods of lab diagnosis of Animal Diseases. (AHRI, ARC) Cairo, Egypt (1994).
- Training course in the field of modern technologies in food of Animal origin at : Animal Health Research institute (1997)
  
- Training course in the field of Diagnosis of Camel Diseases. at Animal Health Research institute (1998),
  
- Three training courses in the field of biotechnology at : Animal Health Research institute (1999), Reproduction Research Institute (2000) and Cairo University (2001).
  
- Scientific Supervisor of the training course in the field of Diagnosis and Epidemiology of Foot and Mouth Disease Under supervision of Arabian Organization for Agricultural Development and DAR, Doha, (2005)
  
- Scientific Supervisor of the training course in the field of Screwworm and Myiasis Phenomena Under supervision of Arabian Organization for Agricultural Development and DAR, Doha, (2005)
  
- Scientific Supervisor of the training course in the field of Using Methods of Molecular Biology in Diagnosis and control of Animal Disease. Under supervision of Arabian Organization for Agricultural Development and DAR, Doha, (2007)
  
- Practical Training program for the BioMedical Section Students, Faculty of Science, Qatar University (2007)
  
- Supervisor and trainer for the internal training program in the field of Molecular Biology Techniques April (2008).
  
- Lecturer and trainer in the training program in the field of Using Advanced techniques in the field of Surveillance and control of Screwworm fly. (AOAD & DAR, 2009).
  
- Workshop in the field of Genetic Resources, Biotechnology Center, MOE (2010).
  
- Endemic and Emerging Viral Diseases of Priority in the Middle East and North Africa (MENA) A Scientific Workshop to Promote Research Collaboration May 26-29, 2014, Doha Qatar.

## **Guidance Activityies**

### 1- Media Programs:

i. Good Morning Egypt TV program: Meeting about Using of Advanced techniques in Diagnosis of Animal Diseases. (1999).

- Three Meetings in Jazeera Channel TV about:- Mad Cow Disease and Avian Influenza epidemics (2004)

### 2- Giving Puplic Lectures:

i. Sheep and Goat Infectious Diseases. (Green Qatar Program) Doha, (2005).  
ii. Zoonotic Diseases (Green Qatar Program) Doha, (2006).

### 3- Exhibition:

DAR representative in the first Qatar AGRITEC Exhibition.

## **LANGUAGES**

1. Arabic: fluent (writing and speaking).

2. English: fluent (writing and speaking):

-Institutional and International TOEFL

-General Advanced English Language Program (1993)  
American University in Cairo (AUC).

-Advanced Academic EL program (1993) AUC

-Academic Writing for English Language AUC

## **KNOWLEDGE AND SKILLS**

### **1. Computer**

- Epi-INFO 7 Software.
- STATA

1.2. Software word perfect.

1.3. MS Word, Excel, Powerpoint

## PUBLICATIONS

### II. Published Papers

1. Middle East respiratory syndrome coronavirus (MERSCoV)RNA and neutralising antibodies in milk collected according to local customs from dromedary camels, Qatar, April 2014. *Euro Surveill.* 2014;19(23):pii=20829.
2. Isolation of MERS Coronavirus from a Dromedary Camel, Qatar, 2014. *Emerg Infect Dis.*20.8
3. *DNA-Barcoding of Oryx leucoryx using the Mitochondrial Cytochrome C Oxidase Gene. Genetic and Molecular Research 11 (1): 539 – 547 (2012).*
4. Molecular Detection, Virus Isolation and Pathotyping of a Newcastle Disease Virus Field Strain from Backyard Chickens in Qatar . *Research Journal of Poultry Sciences 4 (3):28-32, 2011.*
5. Application of PCR-technique for Animal Species Identification of Raw and Heat-treated meat mixture. *Assiut Vet. Med. J. V57: 128. Jan. 2011 P. 85-96.*
6. *Molecular Pathotyping and Phylogenesis of the first Newcastle disease virus strain isolated from backyard chicken in Qatar. Tropical Animal Health and Production (2014) ISSN 0049-4747*
7. Characterization of Blastocystis hominis antigens by the enzyme-linked immunosorbent assay (ELISA) and immunoblotting Lim PKC, Init I and Khaled AEHH.1997.. *International Medical Research 1(2):87-92. (Non-ISI/Non-SCOPUS Cited Publication)*
8. Control of Bovine babesiosis Vector by Using Methods of Biotechnology. 3<sup>rd</sup> *Arabian Conference for Biotechnology, Scientific Research Academy (1998).*
9. Field Application of Tick Decoy technology as a method of Boophilus annulatus vector control. *Assiut Vet Med J. (2007).*
9. Immunological Identification of the Different Stages of Argus persicus soft tick. *Zagazig Veterinary Medicine Conference. (1999)*

**10. Antigenic and Immunogenic structure of *Toxocara canis* different stages. *J.Egypt.Vet. Med Ass.* 61, no 4: 39 – 50 (2001).**

**11. Immunological structure of different stages of ticks infesting cattle. *J.Egypt.Vet. Med Ass.* 61, no 4: 75 – 84 (2001).**

**12. Clinical Pathological Studies on Coenurosis of Sheep in Kafr Al-Sheikh Governorate. *Egyptian Pathology and Comparative Clinical Pathology J.* (1999)**

**13. Prevalence of Gastrointestinal Parasites Among Imported Camels with a trial of larval electrophoretic and morphological differentiation. *Beni-Suef Vet. Med J.* (2005)**

**14. Sample of Choice for Detecting MERS-CoV in Asymptomatic Dromedary Camels Using RT-PCR. Under publication. (2014).**

**15. Reliable typing of MERS-CoV variants with a small genome fragment Under publication. (2014).**

**16. A quantitative study of MERS CoV shedding by dromedary camels to assess human exposure risk Under publication. (2014).**

#### **Activities:**

- Scientific supervision in preparation of the file for the freedom of The State of Qatar from Rinderpest disease to the OIE.
- Country representative for preparing Atlas of Farm Animals in Qatar for ACSAD organization.
- QNFSP (Task Force Working Group Report) Representative Member of Central Laboratores for Animal Health Working Group. For preparing the internal audit of the current status of the animal health system in the state of Qatar. The audit stems from the initiative taken by His Highness Crown Prince Sheikh Tamim bin Hamad bin Khalifa Al Thani (2012).
- Starting of Arabian Oryx Genotyping project under supervision of Biotechnology Center, Ministry of Environment
- Vet Lab Member for MERS-CoV Qatar- Netherland Research Team 2013-014



**Dr. Khaled A. Mohran**

Lab Expert and Biotechnology Unit Head,  
Vet. Labs, Dept. Animal Resources, MOE