

## Curriculum Vitae



### Personal Data

<b>Name</b>	Hanaa Abd El-Kader Ahmed
<b>Date of Birth</b>	23/07/1970
<b>Address</b>	7 Lofty El-Said St. El-Abbasia, Cairo, Egypt
<b>Telephone No. &amp; Fax</b>	(+202) 24875463/ (+2) 01110444747 (+202) 33350030
<b>E-mail</b>	<a href="mailto:hanaakader@hotmail.com">hanaakader@hotmail.com</a>
<b>Marital Status</b>	Married with 2 daughters
<b>Current job</b>	Senior Researcher, Technical Manager of PCR LAB, Biotechnology Dept., Animal Health Research Institute (AHRI), Dokki, Egypt.

### Education

<b>Qualification</b>	Ph. D of Veterinary medical Science(2005) Zagazig Univ.
<b>Graduation</b>	Bsc., of Veterinary medical Science (1993) Zagazig Univ.
<b>Grade</b>	Very Good
<b>Post Graduation Degrees</b>	M. V. Sc. (1999) Zagazig Univ.
<b>Pre-graduation Training</b>	6 Months from May 1992 to January 1993 in the veterinary field
<b>Specialty</b>	Biochemistry
<b>Spoken Language</b>	Arabic (Mother Tongue) English (Fluent) German (little)

### Work Experience

Job Title	Employer	Department	From	To
Senior Researcher (Associate Prof.)	AHRI	Biotechnology	7/2010	Now
Quality manager deputy	AHRI	Biotechnology	3/2010	9/2012
Researcher (lecturer)	AHRI	Biotechnology	7/2009	6/2010
Researcher (lecturer)	AHRI	Mycoplasma	6/2005	7/2009
Researcher Assistant	AHRI	Medical Chemistry, Nutrition Deficiency and Toxicology	12/1999	6/2005
Assistant Researcher	AHRI	Medical Chemistry, Nutrition Deficiency and Toxicology	5/1995	12/1999
Quality Controller	Cairo Poultry Slaughter House	Quality Control	8/1993	2/1995

### Achievements

- 1- Trainer at AHRI training center (Lecturing and practice) for both pre and post graduates, researchers, University staff in Egypt and Arab countries for the following:
  1. Biotechnology (*Electrophoresis, Immunoblotting, PCR, sequencing, etc.*)
  2. ISO 17025.
  3. Quality Management

4. Proposal writing.
2. Work routinely in diagnosis of FMD, a ISA, Swine flu, Blue tongue, LSDV, BVDV, PPR, Psudomonas, Mycoplasmas, TB, Listera, Staph, E. coli, many equine diseases by PCR and Real-Time PCR, also for identification of animal species in food and feed .
3. Coordinator of FMD Task Force Team with EUFMD, FAO and GOVS 2012 till now.
4. Reviewer at International Journal of Applied Biotechnology and Biochemistry (IJABB), International Journal of Biotechnology and Bioengineering Research (IJBBR) and AHRI reviewer committee.

---

#### *Training Courses*

---

- 1- **“Introduction of DNA sequencing and Fragment analysis”** By Applied for life science- Sweden, 21- 23 May 2013.
- 2- **“Project Management and Project Management from people prospective”** By American Chamber of Commerce in Egypt (OLT) Feb 2013.
- 3- **“Current And Future Diagnostic Methodologies In Animal Health”** International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), through the Mediterranean Agronomic Institute of Zaragoza (IAMZ), the Food and Agriculture Organization of the United Nations (FAO), through the Animal Production and Health Division, and the World Organization for Animal Health (OIE). 14-18/1/2013.
- 4- **“FMD Epidemiology”** By EUFMD with cooperation with FAO, Larnaca, Cyprus, 11-13/6/2012.
- 5- **“Logical Framework and Results-Based Management, Monitoring and Evaluation”** By FAO-ECTAD (Emergency Center for Animal Transboundary Diseases) 27- 29 May 2012.
- 6- **“Effective presentation”** By American Chamber of Commerce in Egypt (OLT) May 2012.
- 7- **“Field Epidemiology Training Program and Biostatistics”**. By FETP – Ministry of Health (22 Jan – 15 Mar / 2012).
- 8- **“Human Resource Management course”** By Anwar Resala, 1-30/12/2012.
- 9- **“Sequence analysis and Reverse genetics”**. By NLQP- AHRI (5-8/12/2011).
- 10- **“ISO 17025 internal Audit”**. By EGAC (Egyptian Accreditation Council- Ministry of industry) from 12-13 Dec 2011.
- 11- **“Molecular Diagnosis and Genetic Characterization of FMDV”** Training course by SAP (FMD) Institute, Ankara, Turkey (20 June/ 01 July, 2011).
- 12- **“R esearch Proposal Reviewer training workshop”** by technology management and commercialization office, (March 23- April 1, 2010).
- 13- **“Certified Quality Inspector”** Training course by AUC 3/9/2009 till 27/2/2010.
- 14- **“I SO 17025 internal Audit”** Workshop By Animal Health Research Institute (24 /11 / 2009).
- 15- **“Proposal writing and project management”** by science and technology transfere center (8 -12/10/2009)
- 16- **“Quality control application in Laboratories”** Workshop By Animal Health Research Institute (15 /2 / 2009- 26/2/2009).
- 17- **“Application of Biosafety and Biosecurity in Laboratories”** By Animal Health Research Institute (12-16/10/2008).
- 18- **“ISO 17025”** Workshop By Animal Health Research Institute (11- 19/ 2/2008).
- 19- **“Biosafety in Laboratories”** Workshop By Animal Health Research Institute (18- 22/11/2007).

- 20- "**Molecular Biology Techniques for Diagnosis of Infectious Diseases**" by Animal Reproduction Research Institute in cooperation with FAO & the Egyptian Veterinary Medical Association (4 - 15 /6/ 2005).
- 21- "**Methods and Analysis Applications using Electrophoresis**" by Agriculture Consultant and Research Center In faculty of Agriculture, Ain Shams Univ. (14 – 16/ 5/ 2003).
- 22- "**The use of Bio-statistic in Research**" By Animal Health Research Institute (2002).

---

*One day workshop, seminars and Conferences*

---

- 1- "**The first conference of the scientific association of AHRI**". 17-19/12/2012.
- 2- "**Technical workshop on foot and mouth disease in Egypt challenges and way forward**" By Alex Univ. in collaboration with FAO and EUFMD, 2-3 May 2012.
- 3- Closer meeting of Project "Strengthening Foot-and-Mouth Disease (FMD) surveillance and control in Egypt to assist progression on the FMD Progressive Control Pathway" FAO (29 Feb 2012).
- 4- "**Team Building for Team Leaders**" By DAAD Kairo Akademie 15<sup>th</sup> Feb 2012.
- 5- **Managing Conflicts using Constructive Negotiation Techniques**. DAAD Kairo Akademie, Dec. 8<sup>th</sup>, 2011.
- 6- **Next generation sequencing and its application**. By AGERI-ARC, Oct 31<sup>st</sup> 2011.
- 7- The 4<sup>th</sup> scientific conference for animal wealth in the Middle East and North Africa (03-05 Oct. 2011).
- 8- 1<sup>st</sup> Ibn Sina online conference (1-15 Jan 2011).
- 9- **Foot and Mouth Disease, Overview of the current situation in the Middle East, East Africa and Egypt**. Seminar by Dr.Jeff Hammond, Director of Institute of Animal Health (IAH). Obroy Mina House, Nov 30<sup>th</sup>, 2010.
- 10- **Mandatory and Voluntary Conformity Assessment Schemes In The Food and Agriculture Sectors**. seminar by EGAC in cooperation with BSI and SWEDAC (May 26<sup>th</sup>, 2010).
- 11- **Define your project management skills**. by Humanasset, Italy at ARC conference hall, 25/6/2010.
- 12- **Recent Advances in Microarray Application**" seminar by AGITECH in semiramis international cairo (Feb 18<sup>th</sup>, 2010).
- 13- **The application of the OECD principles of good laboratory practice (GLP) to Egypt**. By EJAC with cooperation with SWEDAC, UKAS, BSI, Jan 19<sup>th</sup>, 2010.
- 14- **OHSAS 18000**. By AHRI, Dec 29<sup>th</sup>, 2009.
- 15- The 2<sup>nd</sup> international conference on Biotechnology (17-18/10/2009).
- 16- **Genomics and proteomics advanced research solutions**. seminar by Bio-Rad life science (june 10<sup>th</sup>, 2009).
- 17- **How to Write a Research Project**. Workshop By Animal Health Research Institute (12 /1 / 2009).
- 18- The eighth international symposium on Tilapia in Aquaculture (12-14/10/2008)
- 19- The 1<sup>st</sup> international conference on Biotechnology (18-19/10/2008).
- 20- **Real time PCR**" Workshop By Animal Health Research Institute (20 /4 / 2008).
- 21- **FP7 projects**" Workshop By EU training staff and academy of scientific research (Feb 11<sup>th</sup>, 2007).
- 22- Annual International congress of Egyptian Society of Biochemistry and Molecular Biology (April 2007).

---

*Publications*

---

1. Biochemical Studies on Blood of Sheep Infested with Fasciola, Master thesis (1999) Zagazig University

2. Enzyme Profile in Rabbits under Different Circumstances, PhD Thesis, (2005) Zagazig University
3. Mussa S.Z.; Rawhia M. Omran; Sahar A. El-Meadawy and **Hanaa A. Ahmed** (2006): **Genotoxicity and cytotoxicity of chlorhexidine in rats**, The Egypt J. of Biochem. Mol. Biol. 2006 (24): 462-475. Proceeding Annual International Congress of Egyptian Society of Biochemistry and Molecular Biology. (Egypt).
4. Dardeer, M.A.; **Hanaa, A.A.**; Sahar, A.O., and Hassan, A.M. (2006): **Antigenic and Genetic Variability among Mycoplasmas Isolated from Sheep and Goats**. Egypt. J. Comp. Path. & Clinic.Pathol. 19 (3) 313-331Egypt.
5. Dardeer, M.A.; Abd ElAziz, E. E. and **Hanaa, A. A.** (2006): **Study of antigenic and genetic variability of *Mycoplasma gallisepticum* strains isolated from Saso chicken breed in Sharkia and Dakahlia Governorates**, Egypt. 12th Scientific Congress, Faculty of Vet. Med., Assiut Uni., Egypt, 601-617.
6. Moussa, S. Z.; Sahar A. El-Meadawy; **Hanaa A. Ahmed** and Refat, M. (2007): **Efficacy of *Chelidonium majus* and propolis in treatment of cytotoxicity induced by chlorhexidine in rats**. The Egypt J. of Biochem. Mol. Biol., (25): 42-61. Proceeding Annual International Congress of Egyptian Society of Biochemistry and Molecular Biology.
7. Eissa, S. I.; Moussa , S.Z. ; **Hanaa A. Ahmed** and Sahar A. El-Meadawy (2007): **Oxidative Stress and Immuno-suppressiton Induced by Mycoplasma Infection in Cattle**. The Egypt J. of Biochem. Mol. Biol. (25): 62-77. Proceeding Annual International Congress of Egyptian Society of Biochemistry and Molecular Biology.
8. Ammar, A.M.; Eissa, S.I.; Marwa, I. Abd El-Hamid\*; **Hanaa, A.Ahmed** and Abd ElAziz, E. (2008): **Advanced Study on Mycoplasmas Isolated From Sheep and Goats**. Zag. Vet. J.; 36(2):128-137.2008
9. Norhan, A. Khairy; Ammar, A.M.; Mona, A. Maghwery; and **Hanaa, A. Ahmed (2008): Studies on *Clostridium perfringens* Types A and D Enterotoxins and their Sporulation**. Zagazig Vet. Conference, Portsaid, Aug. 2008.
10. Ammar, A.M.; Mona, A. Maghwery; Norhan, A. Khairy and **Hanaa, A. Ahmed** (2008): **Toxinotyping and Genotyping of *C.perfringens* Associated with Diarrhoea in Calves**. Zagazig Vet. Conference, Portsaid.
11. **Hanaa A. Ahmed** and Maha A. Elhady (2008): **Antigenic variations and pathogenicity between *Mycoplasma spp* isolated from fishes and shellfishes**. The 8th International symposium on Tilapia in Aquaculture (ISTAVIII). Cairo International Convention Center (CICC), Egypt.
12. Eissa, S.I.; El-Shater, S.A.; Dardeer, M.A.; Abd ElAziz, E. E.; **Hanaa, A. Ahmed.** and Anne,V. Gautier-Bouchardon (2009): **Detection of *Mycoplasma gallisepticum* Infection in Day-Old Chicks Using Molecular Characterization**. 5th International Poultry Conference 10-13 March. Taba – Egypt (1357-1370).
13. Khaled A. S. EL-khabaz; Mahmoud F. Hussien; Eman M. Abd-El Naser and **Hanaa A. Ahmed (2011): Studying the occurrence of clumping factor gene in *Staph aureus* isolated from cases of subclinical mastitis and the effect of such pathogen on milk composition**. Assuit Vet. Med. J., (57): 129.
14. **Hanaa, A. Ahmed**; Amal A. Megahed and Gihan M. Mohammed (2012): **Molecular detection of pathogenic genes of *Listeria monocytogenes* as food poisoning micro-organism isolated from ready to eat meals in Port-Said city markets**. Assiut Vet. Med.J., (58) 132: 51- 67.
15. Magda F. Essa and **Hanaa, A. Ahmed** (2012): **Rapid diagnosis of staphylococcus aureus infection in buffaloes suffering from respiratory disorders using PCR**. Egypt J. Appl. Sci., 27 (4): 46-55.

16. **Hanaa A. Ahmed**, Sahar A. El-Maedawy, Maha Elkholy and S.Z. Moussa (2012): **Iron deprivation stress and immune reactivity induced by Mycoplasma in cattle.** 7<sup>th</sup> Scientific conference Fac. Vet. Med. Minofia Univ. 24-27 April. 472-485.
  17. **Hanaa A. Ahmed**, Sayed A. H. Salem, Ahmed R. Habashi, Abdelstar A. Arafa, Mohamed G. Aggour, Gamal H. Salem, Amal S. Gaber, Osama Selem, Sohair H. Abdelkader, Nick J. Knowles, Mikidache Madi3, Begoña Valdazo-González, Jemma Wadsworth, Geoff H. Hutchings, Valerie Mioulet, Jef M. Hammond, Donald P. King. **Emergence of foot-and-mouth disease virus SAT 2 in Egypt during 2012.** *Transboundary and Emerging Diseases*, 59(6):476-81.
  18. Nahed K.A., Eman M. B., Wafaa A.W. and **Hanaa A. Ahmed**. (2012): **Field studies of Bovine Viral Diarrhea virus (BVDV) in El-Sharkia and El-kalubia Governorates** 1<sup>st</sup> Conf. of An. Health Res. Inst. Assoc., December 2012. pp. 428 – 436
  19. Salem S.H, Arafa A, Abohatab E, Saad A, and **Ahmed H.A.** (2012): Genotyping of Foot and Mouth Disease Virus (FMD) in Egypt during 2011-2012. 1<sup>st</sup> Conf. of An. Health Res. Inst. Assoc., December 2012. pp. 411 – 419.
  20. Ahmed Abd El Wahed, **Hanaa Abd El Kader**, Andrea Koch, Mohamed El Tholoth, Abeer Ahmed, Ayman El-Deep, Sayed Hassan, Soheir Hassan, Mohamed Shalaby, Frank T. Hufert, Manfred Weidmann (2013): **A portable recombinase polymerase amplification assay for rapid detection of foot and mouth disease virus.** (Under press POLS ONE)
  21. N. H. Abdel Hamid, M. H. Ebeid, F. K. Arnaout, M. M. Elgarhy, E. M. Elbauomy, **Hanaa A. Ahmed** and A. E. Sayour (2013): **Serological and bacteriological monitoring of ruminant brucellosis in seven governorates with control program follow-up in three cattle farm. Under press at Banha veterinary**
  22. Rapid detection of some bacteria causing fish diseases by using Multiplex PCR. (under press).
  23. Genotyping of New FMDV serotype A and O variant circulating in Egypt between 2010 and 2012. (under press).
  24. Validation of Multiplex PCR for Diagnosis of FMDV. (under press).
  25. Epidemiological mapping of FMDV serotypes during the outbreak in Egypt 2012 using molecular tools. (under press).
- Most papers are available at ResearchGate  
[https://www.researchgate.net/profile/Hanaa\\_Ahmed/?ev=hdr\\_xprf](https://www.researchgate.net/profile/Hanaa_Ahmed/?ev=hdr_xprf)  
 Or at Academia.edu <http://egyptfishportal.academia.edu/HanaaKader>

---

#### **Committees and Thesis Supervision**

---

- 1- A member of the department committee
- 2- Institute Quality management committee member.
- 3- Institute Focal point of project committee member.
- 4- Project reviewer committee member.
- 5- Internal Auditor for compliance of ISO 17025 at AHRI.
- 6- Member of The Egyptian Network for Bioinformatician and Genomics.
- 7- Member of the Association Research Members of the Agriculture Research Center (ARMARC).
- 8- Member of the EGYBSA (Egyptian Biosafety Association).
- 9- One of the council of the Scientific Association of Animal Health Research Institute (SAAHRI).
- 10- Supervision of 2 master thesis (1 finished and 1 current) and 2 PhD theses (Current).
- 11- Acknowledged in 7 master and 5 PhD theses.



---

### *Projects*

---

1. A member in the project "***The Use of Molecular Biology in the Control of Chronic Respiratory Disease***" 2004- 2006, Funded by Ministry of Higher Education and Scientific Research.
2. A member of research team in an OIE Twinning Project between Animal Health Research Institute and OIE Reference Laboratory For Foot and Mouth disease (Institute For Animal Health Pirbright Laboratory England) on "***Strengthening Foot-and-Mouth Disease (FMD) surveillance and control in Egypt to assist progression on the FMD Progressive Control Pathway***" (finished feb, 2012), Funded by EUFMD and FAO.
3. Currently, a member of research team in a project funded by STDF "***Sequencing and Matching of new FMDV Field isolates with bivalent vaccinal strains locally produced in Egypt***".
4. Currently, a member of research team in a project funded by STDF "***Bovine Tuberculosis in Egypt***".
5. A Co-PI in an US-Egypt Joint research project funded by STDF "***Molecular diagnosis and Biological control of Rift Valley Fever in Egypt***".
6. A scientific Researcher at "***Epidemiological Role and sero-surveillance of Rift Valley fever virus in camels in Egypt***" Funded by USDA.
7. Currently, a member of research team in a project funded by ministry of agriculture "***A National project for the development of Milk production in Asuit and Sharkia governorates***".

---

### *Skills*

---

1. Excellent user of PC with all Microsoft programs (word, Excel, PowerPoint, access and internet) in both Arabic and English languages, Holding the **ICDL (2008)**.
2. Excellent presentation skills.
3. Analytical and Problem solver
4. Good user of molecular biology software (image analysis, primer design, and sequencing and gene bank tools).
5. Using some statistical software in data analysis.
6. Having TOEFL with score of 580 (12/10/2009).
7. Have some Business skills (from American Chamber of Commerce in Egypt, OLT) in the following: E-Mailing Your Way to the Top, Budgeting and Saving, grammar, Time Management Fundamentals, Customer Service for Managers, Customer Service Fundamentals, Managing changes, Motivation Methods and Strategies, Teams that work and Time Management for Maximum Productivity.