

CURRICULUM VITAE



Professor Adel Ibrahim Tanios, PhD

Chief of Researchers

Animal Health Research Institute
Dokki, Cairo, Egypt

Former Team Leader of Knowledge Management for Africa

African Union Interafrican Bureau for Animal Resources (AU/IBAR)

Information Technology Consultant

Official Microsoft Certified Professional, System Administrator,
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Two Masters Certification in Microsoft Office Specialist Program

Official Logo



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MY TRANSCRIPT ON WEB (CHIEF RESEARCHER OF MICROBIOLOGY):

<http://www.arc.sci.eg/InstsLabs/ResDetails.aspx?TabId=3&lang=en&OrgId=8&NavId=2&ResID=28272>

MY TRANSCRIPT ON WEB (INTERNATIONAL INFORMATION SYSTEM EXPERT)

<http://www.microsoft.com/learning/mcp/transcripts>.

With my Transcript ID # : 678171 and Access Code : adeltanios.

MY TRANSCRIPT ON WEB (KNOWLEDGE MANAGEMENT, COMMUNICATION, WEB DEVELOPER AND IT MANAGER):

<http://www.saahri.org/>

PROFESSIONAL PROFILE OF MICROBIOLOGY AND EPIDEMIOLOGY

- Carry on research work with statistical analysis in field of Infectious and Zoonotic Diseases since 1984.
- Teaching and training General and Systematic microbiology for under and postgraduate students, veterinarians, Egyptian, African, Asian, Arabs, Anglo-Franko and Afro-Asian members. Diagnosis of field problems and offering the suitable solutions.
- Supervising and sharing several Scientific Thesis (Master and Doctor of Philosophy).
- Several scientific publications in field of Veterinary Microbiology.
- Setting up modern diagnostic and research laboratories.
- Diagnosis of pathogenic bacteria causing diseases in human, animals, fish and birds.
- Bacteriological examination of different types of animal feeds for microbial pathogens especially food born pathogens with special reference to *Salmonellae*.
- Microbiological examinations of different types of water for pollution and animal consumption. Providing a hygienic assessment of water quality.
- Microbiological examinations of food for pathogens.
- Isolation and identification of pathogens on different culture media.
- Biochemical and biotyping of microorganisms by traditional and recent methods.
- Serological and serotyping of microorganisms.
- Investigation of virulence markers, antibiogram and Bacterial Resistance to Antimicrobials.
- Preservation and registration the local and reference bacterial isolates in Egypt.
- Laboratory Quality Control and Bio-safety measures.
- Technical Manager of the accreditation Veterinary Laboratory for *Salmonellae* and Tuberculosis.
- Supervisor of Egyptian Bacterial Strains Bank.

SCIENTIFIC PUBLICATIONS

- Pan African Animal Health Yearbook 2009.
- PUBLISHED: Thirty one scientific researches related to microbiology, infectious and zoonotic diseases of human, animals, fish, birds and animal-feeds in Egypt and Africa.
- UNDER-PUBLISHING: Eight researches are still under-publishing.
- Scientific Bulletin in VETERINARIANS (zoonotic and infectious diseases in Egypt).
- Food poisoning with *Salmonella* (Monthly Publication, AHRI)
- Scientific essay in the Agricultural Journal, Ministry of Agriculture.
- Scientific Seminars in AHRI.

MEMBERSHIPS:

1. Egyptian Society of Veterinary Medicine, Cairo, Egypt.
2. Egyptian Society of Cattle Diseases, Assiut, Egypt.
3. Society of Environmental Protection, Cairo, Egypt.
4. Society of wild animals Cairo-Egypt.
5. Egyptian Society of Pathology and Clinical Pathology Cairo, Egypt.
6. Environmental Friends Association.
7. Agriculture Research Center Association.

WORKSHOP:

- Participated in the workshop "Egyptian Biosafety Association Biorisk Management" 14 – 15 January, 2013 in association with Sandia National Laboratories, USA, Cairo, Egypt.
- Participated as a lecturer of workshop Animal Resources Information System 2 (ARIS 2), 5th – 7th October 2010, AU-IBAR, Nairobi, Kenya.
- Designed a web portal of workshop Support Programme to Integrated National Action Plans for Avian and Human Influenza (SPINAP-AHI) DOCUMENTATION RETREAT, 11th – 16th October 2010, NAKURU, KENYA.
- Participated as a lecturer of workshop in Veterinary Epidemiology (EVMA and FAO/RNE) at Veterinary College, Cairo University, February, 2009.
- Participated as a lecturer of workshop in Veterinary Epidemiology (EVMA and FAO/RNE) at Veterinary College, Cairo University, November, 2009.
- Participated as a lecturer in the 2nd Scientific Conference of Animal Wealth Research in the Middle East & North Africa, 2009.
- Participated in the workshop "Seafood safety: health implications and regulatory options" November, 3, 1997 Cairo, Egypt with University of Michigan, Cairo University, The Hebrew University of Jerusalem, National Institute of Oceanography and Fisheries and Ain Shams University.
- Several workshop with international organizations (FAO, OIE, ILRI, RECs, IGAD,....).

IN AFRICA:

- Shared several projects in Africa as Animal Resources Information System 2 (ARIS 2), Livestock Emergency Intervention to Mitigate Food Crisis in Somalia (LEISOM), Participation of African Nations in Sanitary and Phytosanitary Standard-setting Organisations (PAN-SPSO), Somali Ecosystem Rinderpest Eradication Coordination Unit (SERECU) II, Somali Livestock Certification Project (SOLICEP), Support Programme to Integrated National Action Plans for Avian and Human Influenza (SPINAP-AHI), Vaccines for the Control of Neglected Animal Diseases in Africa (VACNADA), Livestock Data Innovation in Africa and Partnership for Livestock Development, Poverty Alleviation and Sustainable Economic Growth in Africa (ALive).

COMMUNITY SERVICES AND CULTURAL DEVELOPMENT

- Increased awareness of public (not technical) in endemic and epidemic diseases in Egypt (BSE, Avian Flu, Swine Flu , FMD and Salmonella).
- Volunteered in AFRICAN HOPE LEARNING CENTER (more than 350 students) in Information Technology.
- Training veterinarians in diagnosis and treatment of diseased animals for preservation of our animal population and their health status and enhancing their productivity and animal worth.
- Designed annual Calendar and diaries for charity organization.

INTEGRATION OF INFORMATION TECHNOLOGY WITH ANIMAL HEALTH

- Participate in formulation of Animal Resources Information System (ARIS 2) for Africa.
- Revised and updated the statistical analysis of Pan African Animal Health Yearbook.
- Preparing SharePoint, Digital Library, AU/IBAR centralized Data Base, IT Training, Sharing Information, Information dissemination and AU/IBAR web portal.
- Designed ten information systems (Directory, Visitors, contacts, missions, workshops, meetings, stock, asset, car entry and exit and project tracking system).
- Providing AU/IBAR with proposal of Document Management System and archiving solution.
- Shared Bulletin of Animal Health and Production in Africa.

AWARDS

- 📖 Shield and Certificate of Appreciation from Minister of Agriculture "Scientific Association of Animal Health Research Institute" as Communication officer, web designer and IT Manager, December, 2012.
- 📖 Certificate of Appreciation from African Union Interafrican Bureau for Animal Resources as a good scientist and promote Livestock development in the African Continent, December, 2010.
- 📖 Certificate of Appreciation from Egyptian Veterinary Medical Association for effective scientific and practical contribution for the successive training workshop in veterinary epidemiology (FAO/RNE) February, 2009.
- 📖 Certificate of Appreciation from AFRICAN HOPE LEARNING CENTER as a volunteer.
- 📖 Certificate of Appreciation from General Veterinary Syndicate for supervising Local Area Network and troubleshooting Servers and PC's.
- 📖 Certificate of Appreciation from First Scientific Congress For Provincial Veterinary Laboratories for creating Web Page and all designs of Congress Press.
- 📖 Certificate of Appreciation from Animal Health Research Institute for the administration of 2nd Exhibit for Small Technological Projects.
- 📖 Certificate of Appreciation from Animal Health Research Institute for the maintenance and development of Network and Computers.
- 📖 Certificate of Appreciation from Animal Health Research Institute for Data Show and presentation.
- 📖 Certificate of Appreciation from General Organization For Veterinary Services for Information Technology applications and development of many veterinary programs.
- 📖 Certificate of Appreciation from Animal Health Research Institute for Data Show and presentation.
- 📖 Certificate of Appreciation from General Organization For Veterinary Services for training many Computer programs as ICDL.
- 📖 Certificate of Appreciation from High Institute of Public Health, Alexandria University.
- 📖 The 5th official Master and Instructor of MOS in Egypt (Microsoft).

OFFICIAL MICROSOFT PROFESSIONAL IN

- Microsoft® Word 2002 and 2007 Expert.
- Microsoft® Excel 2002 and 2007 Expert.
- Microsoft® Access 2002.
- Microsoft® Outlook 2002.
- Microsoft® PowerPoint 2002 and 2007.
- Installing, Configuring, and Administering Microsoft® Windows® 2000 Server.
- Installing, Configuring, and Administering Microsoft® Windows® 2000 Professional.
- Implementing and Administering a Microsoft® Windows® 2000 Directory Services Infrastructure.
- Implementing and Administering a Microsoft® Windows® 2000 Network Infrastructure.

- a- Recombinase Polymerase Amplification assay for rapid pathogen detection.
- b. Non-Competitive species-independent ELISA for simplified pathogen detection.
- c. TA-Cloning
- Training in the Center for Medical, Agricultural, and Veterinary Entomology in Gainesville, Florida for Geographical Information System (GIS and GPS) Disease Risk Mapping on June 24-28, 2013, USA.
- Training in the Arthropod-Borne Animal Diseases Research Unit in Manhattan, Kansas for Diagnostic training (ELISA, PCR, rt-PCR and Sequencing) on June 17-21, 2013, USA.
- Advanced Training Program in the Arab Academy of Advanced Studies and Continuous Education for Gene Mapping, Layout and Analysis, Using Bioinformatics on July 21 – August 1, 2013, Cairo, Egypt.
- Training course in the Animal Health Research Institute, for Human Resource Management, on February 17 – 21 , 2013, Cairo, Egypt.
- Training course in Programming language, Computek, Cairo, 1998.
- Diploma in Computer Sciences, International El-Saif Academic, Cairo, 1997.
- Training course using Computer in Biostatistics, AHRI, Cairo, 1996.
- Ten courses in Computer Sciences in Canada-Egypt-McGill Agricultural Response Program, Cairo, 1991-1994.
 1. INTRODUCTION TO PERSONAL COMPUTER & DOS.
 2. PROGRAMMING IN BASIC.
 3. INTRODUCTION TO SYMPHONY.
 4. ADVANCED SYMPHONY.
 5. WORD STAR 2000.
 6. ADVANCED BASIC.
 7. WINDOWS.
 8. WORD FOR WINDOWS.
 9. HARVARD GRAPHICS FOR WINDOWS.
 10. QUATRO PRO FOR WINDOWS.

LANGUAGES

- Arabic (mother tongue).
- English (Very Good).
- French (Very Little).

OTHER SKILLS

- Self-motivated and dynamics.
- Ability to work individually and with group.
- Creativity, honest and hard worker.
- Ability to learn new skills and learn from other experience.
- Helpful and sociable personality.
- Interest in classic music and Football.

REFERENCES

- **PROFESSOR DR. FAROUK EL-DESOUKY**, Former FAO Representative (Iraqi and Seralion), **Mobile:** 0106660855, **Home phone :** 35730995, **Email :** Farouk86@hotmail.com.
- **DR. BERHANU BEDANE**, Animal Production and Health Officer, FAO Sub-regional office for West Africa, Room 229B , Gamel Abdul Nasser Road, P.O.Box 1628, Accra, Ghana. **Tel.** +233-0302-675000/030-7010930 Ext. 3144. **Fax** +233-0302-668427/030 - 7010943/674003. **Email:** berhanu_bedane@yahoo.co.uk.
- **PROFESSOR DR. WAGIH ARMANIOUS GAD EL-SAID**, Professor of Microbiology, Department of Microbiology, Faculty of Veterinary Medicine, Cairo University. **Mobile:** 0122357926. **Email:** warmanious@yahoo.com.
- **PROFESSOR DR. AHMED TAWFIK**, Former Chairman of Egyptian Agricultural Organization, General Organization for Veterinary (GOVS) Services, Ministry of Agriculture. **Mobile:** 0106979325. **Work phone:** 37765352.
- **PROFESSOR DR. ADEL FAYEK FARID**, Professor of Microbiology, Department of Microbiology, Animal Health Research Institute, Agriculture Research Center, Ministry of Agriculture. **Mobile:** 0123493745. **Email:** adelfarid@hotmail.com.
- **DR. SHOUKRY SHAFIK GIRGIUS**, Director of Identification and Registration Project, BC RTA Counterpart, EU Twinning Project Egyptian, General Organization for Veterinary (GOVS) Services, Ministry of Agriculture. **Mobile:** 0101295487. **Email:** shoukry77@hotmail.com.

- 29- **Tanios, A. I.** and Abdel-Hafiz, S. (2004) : Bacteriological and histopathological examination on Motile Aeromonads infection of marine fish (*Mugil cephalus* and *Tilapia zillii*) in Alexandria. Egypt. J. Com. & Clinic. Path., 17 (1) : 210 – 224.
- 30- Mahmoud, A. M. and **Tanios, A. I.** (2008) : Pathogenicity of *Aeromonas hydrophila* in chickens. Egypt. J. Com. & Clinic. Path., 21 (3) : 88 – 110.
- 31- Ebtesam, M. Mazid; Nahla, A. Abou El-Roos and **Adel I. Tanios** (2013) : Prevalence of *Aeromonas hydrophila* in some locally frozen food products. Zag. Vet. J., 41 (3): 15-25.
- 32- Riad, E. M. ; Eman Mahrousa and **Tanios, A. I.** (2013) : Standardization of most accurate DNA extraction method from tuberculosis infected samples. The 13th International Conference on Culture Collections (ICCC13) Beijing, China. BRCs in the era of microbial genomics and diversity driven innovation of biotechnology. ICC13, 172.
- 33- Ahmed Abd El Waheda; **Adel I. Tanios** and Sayed A. H. Salem (2013) : Rapid detection of pathogen via the novel recombinase polymerase amplification assay. The 13th International Conference on Culture Collections (ICCC13) Beijing, China. BRCs in the era of microbial genomics and diversity driven innovation of biotechnology. ICC13, 215.

THESIS SUPERVISED BY TANIOS, A. I.

1. **Role of wild birds as aid for transmission of fish diseases.**
Abd El-Hafiz El-Sayed Soliman Nagi.
Ph. D. Thesis (Pathology), 2000, Faculty of Veterinary Medicine, Cairo University.
2. **Role of *Yersinia enterocolitica* as a cause of gastroenteritis in cow, sheep and goat.**
Ahmed Osman Ahmed Osman.
Ph. D. Thesis (Microbiology), 2003, Faculty of Veterinary Medicine, Cairo University.
3. **Occurrence of *Yersinia enterocolitica* in birds.**
Zeinab Mohamed Saad Amin.
Master Thesis (Microbiology), 2003, Faculty of Veterinary Medicine, Cairo University.
4. **Prevalence of *Klebsiella* species in slaughtered animals.**
Ebtsam Mohamed Mahmoud Farid.
Ph. D. Thesis (Microbiology), 2005, Faculty of Veterinary Medicine, Cairo University.
5. ***Yersinia enterocolitica* isolates from buffalo's raw milk with special reference to outer membrane protein profile.**
Lobna Emam Mohamed .
Master Thesis (Microbiology), 2008, Faculty of Veterinary Medicine, Cairo University.

THESIS CO-OPERATED BY TANIOS, A. I.

1. ***Samonella* serovars isolated from diarrhoeal calves with special reference to application of fluorescent antibody technique in diagnosis of salmonella in calves.**
Hafez, N.M.
M. V. Sc. Thesis (Microbiology), 1989, Faculty of Veterinary Medicine, Cairo University
2. **Some biochemical studies on cellulose enzymes in micro-organism of camel rumen.**
Hoda Abd El-Monem Abd El-Kader.
M. V. Sc. Thesis (Biochemistry), 1995, Faculty of Veterinary Medicine, Cairo University.
3. **Virulence factors in *Escherichia coli* and colisepticemia in neonatal calves.**
Emad Rizkalla Zaki.
Ph. D. Thesis (Microbiology), 1995, Faculty of Veterinary Medicine, Cairo University.
4. **Study on yellow coloured carcasses.**
Khairy Farouk Abuzeid.
M. V. Sc. Thesis (Hygiene), 1996, Faculty of Veterinary Medicine, Beni-Suef, Cairo University.
5. **Studies of pathological changes in *Tilapia* species due to motile aeromonads infection.**
Mahmoud Aly Mahmoud Mohamed.
M. V. Sc. Thesis (Pathology), 1996, Faculty of Veterinary Medicine, Cairo University.
6. **Further studies on *Salmonella* serovars isolated from feed stuffs formulated for poultry and animal ration.**
Amany Ebrahim Mohamed Ali El-Bialy.
Ph. D. Thesis (Microbiology), 1997, Faculty of Veterinary Medicine, Cairo University.
7. **A note on relationship between *Yersinia enterocolitica* and *Brucella* group of micro-organisms.**
Ahmed Osman Ahmed Osman.
M. V. Sc. Thesis (Microbiology), 1998, Faculty of Veterinary Medicine, Cairo University.
8. ***Fusarium* toxicosis in poultry.**
Tarek Mahmoud Helal.
M. V. Sc. Thesis (Microbiology), 1999, Faculty of Veterinary Medicine, Zagazig University.
9. **Serological and bacteriological studies on *Escherichia coli* in chicken.**
Ansam Mohamed Salman.
Ph. D. Thesis (Microbiology), 1999, Faculty of Veterinary Medicine, Cairo University.