



Curriculum Vitae



Personal Information

Name Ahmed orabi Hassan Mohamed
Title Lecturer of Microbiology
Date of Birth March 14th.1988
Place of Birth Sharkia
Citizenship Egyptian
Military Status Carried out one year
Marital Status Married

Contact Information

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Educational Qualifications

***Bachelor of Veterinary Medical Science (BVSc) September 2010**
Cairo University
Cairo, Egypt
Grade: Very Good



***Master's of Veterinary Medical Science (MVSc)**

October 2013

Cairo University

Subject: **Microbiology** (Bacteriology, Immunology and Mycology)

Title of the thesis: Immunological and Molecular Study on *Listeria* spp. Recovered by Conventional Methods From Milk

Advisors:

1. Prof. Dr. K. Osman, Ph.D. Professor of Microbiology, Faculty of Veterinary Medicine, Cairo University.
2. Dr. A. Samir,. Ph.D. Assistant Professor of Microbiology, Faculty of Veterinary Medicine, Cairo University.

***Philosophy degree of Veterinary Medical Science (PhD) May 2017**

Cairo University

Subject: **Microbiology** (Bacteriology, Immunology and Mycology)

Title of the PhD: "Immune response against vaccines prepared from locally recovered *Listeria monocytogenes*"

Advisors:

1. Prof. Dr. K. Osman, Ph.D. Professor of Microbiology, Faculty of Veterinary Medicine, Cairo University.
2. Dr. A. Samir,. Ph.D. Assistant Professor of Microbiology, Faculty of Veterinary Medicine, Cairo University.

Academic Positions

Dec 2011 – Oct 2013 : Demonstrator of Microbiology ,Faculty of Veterinary Medicine ,Cairo University

Nov2013 – May2017 : Assistant Lecturer of Microbiology ,Faculty of Veterinary Medicine ,Cairo University

June 2017 – till now : Lecturer of Microbiology ,Faculty of Veterinary Medicine ,Cairo University



Job Description

- Being a supervisor on the summer training in the Department
- Giving lectures of Bacteriology, Mycology, Immunology and Molecular Biology to the 3rd year undergraduates
- Giving lectures of molecular biology to 1st year undergraduates on both the practical and the theoretical course
- Giving training courses on Bacteriology, Mycology, Immunology and Molecular Biology under supervision of the department and the Biotechnology Center for Services and Researches

Areas of Interest

- Research studies in the field of Listeriosis on immunological and molecular basis depending on prolonged experience in this field.
- Research studies in the field of foodborne pathogens
- Research studies in the field of public health bacterial pathogens.
- Research studies in the field of autogenous bacterial vaccines.
- Research studies in the field of quality control of bacterial vaccines



Areas of experience

- * Masters microbiology workups and research, particularly in the area of isolating and identifying *Listeria monocytogenes* from human, animal and animal products.
- * Masters microbiology workups and research, particularly in the area of isolating and identifying pathogens from the bloodstream, sputum, CSF, stools and postoperative wound infections.
- * Professional knowledge of biochemical reaction interpretation and identification of nosocomial pathogens.
- * Performing standard antibiotic sensitivity tests.
- * Specific experience in developing teaching modules and providing technical and theoretical microbiology training sessions (as a university staff for 5 years).
- *Performing all the serological diagnostic techniques for avian diseases including HI tests, Virus titration, ELISA.
- * Performing molecular diagnosis techniques including PCR, RAPD, RFLP, ISSR, etc
- * Performing all of conventional microbiological, immunological and mycological diagnosis techniques.
- * Performing commercial production of avian & animal bacterins including Fowl cholera, Infectious coryza, Rabbit snuffles, Hemorrhagic septicemia of calves.
- * Lecturing Under Graduate Courses 301 (General Microbiology) and 352 (Systematic Bacteriology)
- *Lecturing Post Graduate Courses Diploma in Veterinary Microbiology (General and Systematic Bacteriology)(practical part)
- * Participated in teaching and training of Veterinary Students sent from Oman, Jordan , and Qatar

Training courses

- I have participated in the training workshop on “**New Trends in Biotechnology BTC – 010**” organized by the



Biotechnology Center, Faculty of Pharmacy, Cairo University, **2011.**

-I have attended a course on course on ‘Molecular Based Techniques: Introduction to PCR and RT-PCR Assays’, Biotechnology centre for Services and Researches, Cairo University, **2011.**

- I have participated in the organization of the training course on "**Polymerase chain reaction and its different applications**" organized by Biotechnology Center for Services and Researches (BCSR), Cairo University, **1 – 5 April 2012.**

- I have attended a course on "**Diagnosis of poultry disease** " organized by the Department of Microbiology, Faculty of Veterinary Medicine, Cairo University, **March 2012.**

- I have attended a course on "**Molecular Diagnostic Microbiology**" organized by the Department of Microbiology, Faculty of Veterinary Medicine, Cairo University, **April 2012.**

- I have attended a course on "**Antibiotic sensitivity test** " organized by the Department of Microbiology, Faculty of Veterinary Medicine, Cairo University, **May 2013.**

- I have attended a course on "**Bacterial disease of poultry** " organized by the Department of Microbiology, Faculty of Veterinary Medicine, Cairo University, **May 2013.**

- I have attended a course on "**Diagnostic Microbiology and Immunology** " organized by the Department of Microbiology, Faculty of Veterinary Medicine, Cairo University, **May 2014.**

- I have attended a Workshop on different techniques of mycology diagnosis, Microbiology department, Cairo University

- Programs of FLDC (Faculty and Leadership Development Center, Cairo University)Authenticated from IBCT as follow :

*Communication Skills (15 Hours)

*Effective Presentation Skills (15 Hours)

- Training course at Medical Department of International Cultural Center“Emergency – 1st Aid”



- Training course at Elzahraa Station for Arabian Horse Management
- Training at Veterinary Serum & Research Institute(VSVRI) (Summer2008)
- Training at Animal Health Research Institute (AHRI) (summer 2008)
- Training at Human & Vet lab. (2009)
- Training at slaughter house.(POULTRY) & DAIRY FARM (2009)
- Training at to ADWIA for feed Additives (Summer 2007)
- Training at 45 day Broiler Breeding Course
- DAAD training course
 - ✓ Managing conflicts using constructive negotiation technique
 - ✓ Dealing with change
 - ✓ Improving cross cultural competence

Computer Skills

- Excellent computer skills using the Microsoft Office suite of programs : Word , Excel , PowerPoint , Access , Outlook , Internet Explorer
- Photoshop
- Illustrator



Scientific Journal Reviewer

- European Journal of Clinical Microbiology & Infectious Diseases
- Foodborne Pathogens Journal

Awards

- A Certificate of Appreciation from the Cairo University for publishing my researches of 2016 in international scientific journals.

Conference

- Participating in several seminars, symposiums and round tables that were held in the Department of Microbiology
- Attending the 11th scientific conference (3rd international) of Faculty of Veterinary Medicine, Cairo University on 2013.
- Attending the 12th scientific conference (4th international) of Faculty of Veterinary Medicine, Cairo University on 2014
- Attending the 11th scientific conference (5th international) of Faculty of Veterinary Medicine, Cairo University on 2016.
- Attending the scientific conference of Faculty of Veterinary Medicine, Beni-Suif University on 2016
- Attending the scientific conference of Faculty of Veterinary Medicine, Zagazig University on 2017



Academic Contributions

- Participating in creating and designing the website of the Department of Microbiology (www.vimcu.com), Cairo University
- Designing the logo of the Department of Microbiology, Faculty of Veterinary Medicine, Cairo University
- Being the founder and a member in the committee concerned with the release of the international scientific journal of the Faculty of Veterinary Medicine, Cairo University in collaboration with the Ministry of Higher Education and Elsevier entitled: International Journal of Veterinary Science and Medicine
- Participating in the academic supervision
- Actively participating in the team of the Continuous Improvement and Qualification for Accreditation Project (CIQAP) - Strategic Planning Standard - of the Quality Assurance Unit, Faculty of Veterinary Medicine, Cairo University
- Participating in effectuating the Quality Assurance and Accreditation Project through the sector committee of the Veterinary Medicine, Cairo University
- Being the assistant head of EGA Family at the Faculty of Veterinary Medicine, Cairo University since 2002-present

Supervision on Academic Theses

- Ph.D. theses in Microbiology (Bacteriology, Immunology and Mycology): current.
- M.V.Sc. theses in Microbiology (Bacteriology, Immunology and Mycology): current.



Research Projects

- I am active member of the project of "advanced studies for control of **Chlamydiosis** in animals, birds and human".
- I am active member of the project of " Preparation of *Leptospira* vaccine for animal grant support by STDF (800, 000 Egyptian pound)"
- I am active member of the project of " Preparation of Aflatoxin B1 Vaccine and evaluation of its immunizing potential in chicken and cattle grant support by Cairo University. (200, 000 Egyptian pound).
- I am active member of the project of " production of Glucose oxidase enzyme from *Aspergillus niger* by gene cloning project grant support by Cairo University.(200, 000 Egyptian pound).
- I am active member of the project of " Surveillance of *Listeria monocytogenes* in Human and Domestic Animals in Egypt and Preparation of Autogenous Vaccine for Livestock" support by STDF (800, 000 Egyptian pound)"

Publications

A. Books

Assist in performing the tasks of preparation academic books for the Microbiology Department, Faculty of Veterinary Medicine, Cairo University:

- General Microbiology for undergraduate students
- Practical Microbiology for undergraduate students
- Systematic Microbiology for undergraduate and postgraduate students
- Practical systematic Microbiology for undergraduate and postgraduate students
- Immunology for undergraduate and postgraduate students
- Practical immunology for undergraduate and postgraduate students



B. Scientific journals

1-Hamdy, S., N. A. Ezzeldeen, K. Mohamed, A. Orabi, and A. Samir, "Isolation and identification of enterococci in Egyptian poultry", *Wulfenia Journal*, vol. 22, issue 3, pp. 131-134, 2015.

2-Osman, K., A. Samir, **A. Orabi**, and T. Zolnikov, "Confirmed low prevalence of *Listeria mastitis* in she-camel milk delivers a safe, alternative milk for human consumption", *Acta Tropica*, vol. 130, pp. 1-6, 2014.

3-Osman, K., A. Samir, E. Gamal, and **A. Orabi**, "Increased milk concentration of nitric oxide and lysozyme is associated with listerial mastitis of different animal species", *International Journal of Advanced Research*, vol. 2, issue 3, pp. 185-195, 2014.

4-Osman, K., T. Zolnikov, A. Samir, and **A. Orabi**, "Prevalence, pathogenic capability, virulence genes, biofilm formation, and antibiotic resistance of *Listeria* in goat and sheep milk confirms need of hygienic milking conditions", *Pathogens and Global Health*, vol. 108, issue 1, pp. 21 – 29, 2014.

5-Osman, K. M., Hany M Hassan, **A. Orabi**, and A. S. T. Abdelhafez, "*Phenotypic, antimicrobial susceptibility profile and virulence factors of Klebsiella pneumoniae isolated from buffalo and cow mastitic milk*", *Pathogens and Global Health 2014 VOL. 108 NO. 4 191*, vol. VOL. 108 NO. 4 , pp. 191, 2014.

6-Ahmed Samir¹, **Ahmed Fahmy**², **Essam Hatem M1** and **Ahmed Orabi** "*Occurrence of Canine Borreliosis in Egyptian Dogs: A Public Health Threat*" *Translational Biomedicine .*, 2015 , Vol. 6 No. 2:9

7-Iraqi, E. K. G., T. M. Melegy, and **A. O. Hassan**, "*Evaluation of New Biological Product Saltose for Controlling Coccidia and Clostridia in Broiler Chickens*", *Global Veterinaria* , vol. 12 , issue 2, pp. 257-263, 2014.



8-Osman, K. M., A. M. Amer, J. M. Badr, N. M. Helmy, R. A. Elhelw, **A. Orabi**, M. Bakry, and A. S., "Antimicrobial Resistance, Biofilm Formation and *mecA* Characterization of Methicillin-Susceptible *S. aureus* and Non-*S. aureus* of Beef Meat Origin in Egypt", *Frontiers in Microbiology*, vol. 7, pp. 222, 2016.

9- Osman, K. M., M. N. Ali, I. radwan, F. ElHofy, A. H. Abed, **A. Orabi**, and N. M. Fawzy, "Dispersion of the Vancomycin Resistance Genes *vanA* and *vanC* of Enterococcus Isolated from Nile Tilapia on Retail Sale: A Public Health Hazard.", *Frontiers in microbiology*, vol. 7, pp. 1354, 2016.

10-Osman, K. M., A. Samir, U. H. Abo-Shama, E. H. Mohamed, **A. Orabi**, and T. Zolnikov, "Determination of virulence and antibiotic resistance pattern of biofilm producing *Listeria* species isolated from retail raw milk", *BMC Microbiology*, vol. 16, issue 1, pp. 263, 2016.

11-Osman, K., J. Badr, K. S. Al-Maary, I. M. I. Moussa, A. M. Hessain, Z. A. M. S. Girah, U. H. Abo-Shama, **A. Orabi**, and A. Saad, "Prevalence of the Antibiotic Resistance Genes in Coagulase-Positive-and Negative-Staphylococcus in Chicken Meat Retailed to Consumers.", *Frontiers in microbiology*, vol. 7, pp. 1846, 2016

12- Kamelia M. Osman, Ahmed Samir, Usama H. Abo-Shama, Essam H. Mohamed, **Ahmed Orabi** and Tara Zolnikov.(2016). Determination of virulence and antibiotic resistance pattern of biofilm producing *Listeria* species isolated from retail raw milk *BMC Microbiology* (2016) 16:263.

13-Osman, K., Alvarez-Ordóñez, A., Ruiz, L., Orabi, A.,Saad, A., Elhadidy, M. 2017. Antimicrobial resistance and virulence characterization of *Staphylococcus aureus* and coagulase-negative staphylococci from imported beef meat. *Annals of Clinical Microbiology and Antimicrobials*



14-Osman, K.M., Al-Maary, K.S., Mubarak, A.S., Orabi,A., Fawzy, N.M. 2017. Characterization and susceptibility of streptococci and enterococci isolated from Nile tilapia (*Oreochromis niloticus*) showing septicaemia in aquaculture and wild sites in Egypt. BMC Veterinary Research

15- Osman, K.M., Kappell, A.D., Elhadidy, M., **Orabi,A.** , Hessain, A.M., Yousef, H.M.Y. 2018.Poultry hatcheries as potential reservoirs for antimicrobial-resistant *Escherichia coli*: A risk to public health and food safety. Scientific Reports .