

## Curriculum Vitae

# Omar Amen

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## Education

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- Jan 2009- Dec 2013      Doctor of Philosophy in Poultry Diseases (*PhD*, thesis title: “*Phylogenetic Mapping of Avian Influenza (H5N1) in Egypt*”  
Obtained via “Joint supervision” program in collaboration between:
- Department of Comparative Pathobiology, College of Veterinary Medicine, Purdue University, West Lafayette, IN, and
  - Department of Poultry Diseases, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.
- 2005- 2008              Master of Veterinary Sciences (*M.Sc*, thesis title: “*Immunological Studies on Highly Virulent Avian Influenza (H5) in Some Avian Species*”  
Department of Poultry Diseases, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.
- 1999- 2004              Bachelor of Veterinary Sciences (*BVsc*)  
Faculty of Veterinary Medicine, Assiut University,  
Assiut, Egypt.

## Work Experience

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- Feb 2019-till now      Assistant professor of Poultry Diseases, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.
- Feb 2019-till now      Head of Poultry Diseases, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.
- Dec. 2015- Jan2019      lecturer Department of Poultry Diseases, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.

- 2014-Nov 2015 Adjunct faculty in Ivy tech community college, teaching Microbiology, Indiana, USA.
- Jan 2012 – Nov 2013 Visiting scholar Department of Comparative Pathobiology College of Veterinary Medicine, Purdue University, West Lafayette, IN.
- 2009- Till now Member in Molecular Biology Research unit, Assiut University, Assiut, Egypt
- July2008-Dec.2011 Member in CIQAP (Continuous Improvement and Qualifying for Accreditation Project) unit, Implementation team, Faculty of Veterinary medicine, Assiut University branch, Ministry of Higher Education, Egypt.
- June 2008 – Dec. 2011 Assistant lecturer  
Department of Poultry Diseases, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.
- Dec. 2004 - May. 2008 Demonstrator (Teaching assistant)  
Department of Poultry Diseases  
Faculty of Veterinary medicine, Assiut University, Assiut, Egypt. Main activities and responsibilities:  
Taught lab-oriented classes, assisted and supervised undergraduate student laboratory experiments.

### **Scholarships, projects and awards**

- 2018 Co-PI on Research project funded from Assiut University “The effect of Dietary zinc oxide and Silver Nanoparticles on Growth Performance , health status and meat quality of Broilers”
- 2011 Joint supervision Ph.D. scholarship, awarded by Missions Sector, Ministry of Higher Education, Egypt.

- 2011 PAROWN (The Partnership and Ownership initiative) short term scholarship, Ministry of Higher Education, Egypt.
- 2010 and 2011 Doctoral short term grant, Embassy of France in Egypt.
- 2009-2011 Co-PI in STDF project on Avian Influenza (H5) In upper Egypt.
- 2004 Academic excellence award, awarded by Assiut University, Assiut, Egypt.

## **Publications and proceedings**

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### **Peer-reviewed articles:**

Vemula, S. V.; **Amen, O.**; Katz, J. M.; Donis, R.; Sambhara, S.; Mittal, S. K., Beta-defensin 2 enhances immunogenicity and protection of an adenovirus-based H5N1 influenza vaccine at an early time. *Virus research* 2013.

Maha I. Hamed, **Omar A.K.** Amen, Hassan Z. Rateb: Detection of Avian Influenza Virus H5N1 in Horses at Assiut Governorate, Egypt. *JOURNAL OF ADVANCED VETERINARY RESEARCH*, Vol 4, (2014)

**Amen O**, Vemula SV, Zhao J, Ibrahim R, Hussein A, Hewlett IK, Moussa S, Mittal SK. Identification and characterization of a highly pathogenic H5N1 avian influenza A virus during an outbreak in vaccinated chickens in Egypt. *Virus Res.* 2015

U.T. MAHMOUD, **O.A. AMEN**, D.H. SALEH, M.A. ABDEL-RAHMAN: The effects of Rayeb milk on performance, behaviour and cecal lactobacilli count in broiler chickens during starter period, *Assiut Vet. Med. J. (special issue)* 2016, Egypt.

U.T. Mahmoud, **O.A. Amen**, T.J. Applegate and H.W. Cheng: Brazilian Propolis Effects on Growth, Productivity Performance, Gut Characteristics and Physiological Changes in Broiler Chickens, *International Journal of Poultry Science* APR.2017 Volume: 16 | Issue: 5 | Page No.: 169-179

Ahmed O. , **Omar Amen**, Ekramy E. Sayedahmed, Sai V. Vemula<sup>1</sup>, Samuel Amoah<sup>3</sup>, Ian York, Shivaprakash Gangappa, Suryaprakash Sambhara\*, Suresh:

Adenovirus vector-based multi-epitope vaccine provides partial protection against H5, H7, and H9 avian influenza viruses, PLoS One. 2017 Oct 12; 12(10)

W. C. Wang, F. F. Yan, J. Y. Hu, **O. A. Amen**, and H. W. Cheng: Supplementation of Bacillus subtilis-based probiotic reduces heat stress-related behaviors and inflammatory response in broiler chickens, J Anim Sci. 2018 May 4;96(5):1654-1666.

Mustafa Hamad · **Omar Amen** · Mohamed Mahmoud · Ola Hassanin · Mostafa Saif-Edin: Effectiveness of different avian influenza (H5) vaccination regimens in layer chickens on the humoral immune response and interferon alpha signalling immune marker, Vet Res Commun. 2018 Jun; 42(2):145-152.

Aml A. Bakheet, **Omar Amen**, Sayed H.AL. Habaty, Samah F. Darwish: Prevalence of Staphylococcus aureus In Broiler Chickens with Special Reference to Beta-Lactam Resistance Genes in the Isolated Strains, AJVS. Vol. 57 (2): 25-33. April 2018

Usama T. Mahmoud, Manal A. M. Mahmoud, Hosnia S. Abdel-Mohsein, **Omar A. Amen**: AGRIMOS® Prebiotics: Effect on Behavior, Performance, Cecal Microbial Population and Humeral Immunity in Broiler Chickens, Vol 8 No 3 (2018): July,49-59.

Self-assembled tannic acid complexes for pH-responsive delivery of antibiotics: Role of drug-carrier interactions. SA Abouelmagd, NH Abd Ellah, O Amen, A Abdelmoez, NG Mohamed. International Journal of Pharmaceutics 562, 76-85

Effect of zinc oxide nanoparticles on broilers' performance and health status. UT Mahmoud, HS Abdel-Mohsein, MAM Mahmoud, OA Amen, Tropical Animal Health and Production 52 (4), 2043-2054

Zinc oxide nanoparticles prevent multidrug resistant Staphylococcus-induced footpad dermatitis in broilers. UT Mahmoud, MHA Darwish, FAZ Ali, OA Amen, MAM Mahmoud, Avian Pathology 50 (3), 214-226

In vitro effect of zinc oxide nanoparticles on Staphylococcus aureus isolated from Layer Chickens. F Mohamed, AAM Bakheet, U Mahmoud, OA Amen. SVU-International Journal of Veterinary Sciences 3 (2), 14-24 2 2020

Effect of Prebiotic on the Behavioural Patterns, Performance, Carcass Characteristics, Antibody Titer and Some Blood Parameters of Mule Ducks. UT Mahmoud, R Hassan, O Amen, G Abdel-Raheem, D Al-Rammamneh. SVU-International Journal of Veterinary Sciences 3 (1), 27-38

Impact of dietary supplementation of organic acids on the growth performance and immunity in broilers fed low protein diets. G Abdel-Raheem, N Ibrahim, A Sayed, O Amen, E Mickdam. SVU-International Journal of Veterinary Sciences 5 (2), 31-44,2022

Serological And Antibacterial Characteristics of Salmonella Isolates From Chickens In Assiut, Egypt. A El-Mohsen, S El-Sherry, O Amen. Benha Veterinary Medical Journal 41 (2), 93-99, 2022

NETB, A NEW TOXIN RELATED TO CLOSTRIDIUM PERFRINGENS-INDUCED AVIAN NECROTIC ENTERITIS IN BROILER CHICKENS. R FAROUK, O AMEN, A HASSAN, RS IBRAHIM. Assiut Veterinary Medical Journal 67 (171), 133-142, 2021

EFFICIENCY OF FOUR DISINFECTANTS AGAINST EIMERIA TENELLA ISOLATES FROM EGYPTIAN CHICKENS (IN VITRO ASSESSMENT). S EL-SHERRY, M A ALY, M A SOLIMAN, M DARWISH, O AMEN. Assiut Veterinary Medical Journal 67 (169), 91-100, 2021

EPIDEMIOLOGICAL AND MOLECULAR STUDIES ON RIEMERELLA ANATIPESTIFER INFECTION IN DUCKS. D ABD ALRAHMAN AHMED, M SAIF ELDIN, R SAYED IBRAHIM,O Amen. Assiut Veterinary Medical Journal 67 (168), 61-74

ROLE OF ESSENTIAL OIL FOR CONTROL OF AVIAN ASPERGILLOSIS IN EXPERIMENTALLY INFECTED CHICKENS. TY ABD EL MOTELIB, O AMEN. Assiut Veterinary Medical Journal 65 (163), 152-160, 2019

COMPARATIVE STUDY ON COMMERCIAL VACCINES AGAINST E. COLI IN BROILER CHICKENS. H Mohamed, O AMEN, M ABD ELAZEEM, M SAIF-EDIN. Assiut Veterinary Medical Journal 65 (161), 22-29

## **Proceedings:**

Salem, B., **Amen, O.** and Mousa, S. Evaluation of H5N2 avian influenza killed vaccine in turkeys. Proceedings of Animal Wealth Conference, Syria, 2008.

Mousa, S.A. and **Amen, O.** (2010): H5N1 Infection in Domestic and Free Living Water Fowls in Nile River Canals in Villages in Upper Egypt, 147th AVMA Annual Convention, Atlanta.

Mousa, S.A. and **Amen, O.** (2010): Comparison of Results of Different Diagnostic Tests for H5N1 Avian Influenza Outbreaks, International Conference on Agricultural and Animal Science (CAAS) in Singapore.

Mousa, S.A. and **Amen, O.** (2011): Breaks of H5N1 avian influenza in previously vaccinated chicken flocks. Annual AAAP/AVMA meeting in St. Louis, USA.

**Amen, O.** and Mousa, S.A. (2011): Natural infection of H5N1 avian influenza in pet birds, 11th European AAV conference - 1st ECZM scientific meeting, MADRID.

**Amen, O.**, Hayes, E; Vemula, S. V. and Mittal, S. K.,(2012): Development of a Broad Spectrum H5N1 Influenza Vaccine for Pandemic Preparedness, Purdue College of Vet Med's Summer Research program, Purdue uni. West Lafayette, USA.

**Amen, O.**, Vemula, S. V. and Mittal, S. K.,(2013): Antigenic Analysis of Highly Pathogenic H5N1 Avian Influenza Viruses Causing Severe Outbreaks in Vaccinated Chicken in Egypt. SIGMA XI graduate student research awards competition,

Vemula, S. V.; **Amen, O.**; Katz, J. M.; Donis, R.; Sambhara, S.; Mittal, S. K.,(2013): Beta-defensin 2 enhances immunogenicity and protection of an adenovirus-based H5N1 influenza vaccine, AVMA Annual Convention, Chicago,IL, USA

**O. A. Amen**,U. T. Mahmoud, M. A. Abdel-Rahman, T. J. Applegate, and H. W. Cheng (2015) Effect of Brazilian propolis on some physiological changes in broiler chickens raised under heat stress. The International Poultry Scientific Forum, Georgia, Atlanta, USA

## **Trainings and workshops:**

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- 2011 “Avian influenza virus, sequencing and bio-informatic analysis” training, Institute of diagnostic Virology, OIE lab, Griefswald, germany.
- 2010 “Avian influenza virus sequencing” training, Avian and Rabbit Virology-Immunology-Parasitology (VIPAC), ANSES (French Agency for Food, Environmental and Occupational Health and Safety), Ploufragan, France.
- 2006-2009 Qualifying Faculty Workshops, Quality control center, Assiut University, Assiut, Egypt. Topics covered: Communication skills, Legal and financial aspects, New teaching methodologies, Ethics and E-learning.
- 2009 “Proposal writing” workshop organized by DAAD(The German Academic Exchange Service), Cairo, Egypt.
- 2009 “Basic techniques in cell culture” workshop, Medical Technology Center, Alexandria University, Alexandria, Egypt.
- 2009 “Training on molecular techniques” workshop, KlinikfürVögel, Faculty of Veterinary medicine, University of Munich, Munich, Germany
- 2008 “ELISA, principles and applications” workshop, Molecular Biology Research unit, Assiut University, Assiut, Egypt.
- 2006 “Conventional PCR to Real-time PCR” workshop, Molecular Biology Research unit, Assiut University, Assiut, Egypt.

## **Scholarly outreach activities**

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Workshop:

June 1-3<sup>rd</sup> 2010: Seleem M. N., **Amen, O.**, Hamid, A. and Azim, W.: From Gene to Protein. (9 lectures, 12 hours lab training, 20 participants),. Molecular Biology Research Center, Assiut University, Egypt.

April 4-6<sup>th</sup> 2017: Real Time PCR & DNA Sequencing: Techniques and Applications (level2), Molecular Biology Research Center, Assiut University, Egypt.

March 14-16<sup>th</sup> 2017: Principles & Applications of PCR (level1), Molecular Biology Research Center, Assiut University, Egypt.

December 12-14<sup>th</sup> 2017: Gene Cloning (Recombinant DNA Technology), Molecular Biology Research Center, Assiut University, Egypt.

Nov. 30<sup>th</sup> - 1<sup>st</sup> Dec. 2016: Enzyme Linked Immuno-Sorbant Assay (ELISA) Principals & Different Applications, Molecular Biology Research Center, Assiut University, Egypt.





Assiut University

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## Certificate

This is to certify that Mr. / **Omar Ahmed Kamel Amen** .

Has been awarded the **M. V. Sc.** degree in

**" Poultry Diseases."**

from the Department of

**" Poultry Diseases."**

on **25 / 5 / 2008**

The subject of the thesis is

**" Immunological studies on highly virulent avian influenza (H5)  
in some avian species ."**

Assiut : 21 / 1 / 2010

Registrar *Safaa*

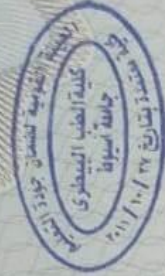
(Prof. Dr. Thabet A. Ibrahim)

*Thabet A. Ibrahim*  
Vice dean for Research  
and staff affairs.  
Faculty of Vet. Med.  
Assiut University

(Prof. Dr. M. Khalil Moustafa)

*M. Khalil Moustafa*  
Dean of the Faculty of  
Vet. Medicine.  
Assiut University





Assiut University

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# CERTIFICATE

This is to certify that Mr./Omar Ahmed Kamel Amen

Has been awarded the *Ph.D.* Degree in

**"Poultry Diseases"**

**On 29/12/2013**

The subject of the thesis is:

**"Identification of the phylogenetic Map of Avian influenza virus in Upper Egypt."**

Assiut 20/6/2018

Registrar: Dr. Sohaa S. Hassan

(Prof. Dr. Madeha H.A. Darwish)

*Madeha Darwish*  
20/6/2018

Vice dean of post graduate studies  
and Researches affairs,  
Faculty of Vet. Med.  
Assiut University

(Prof. Dr. Hassan A. Abdel-Raheem)

*Hassan Abd*  
20/6/2018

Dean of the Faculty of  
Vet. Medicine.  
Assiut University



رئيس  
20/6/2018

