



كلية الطب البيطري  
جامعة القاهرة

## وحدة ضمان الجودة



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### Curriculum Vitae

#### personal Information

<b>Name</b>	Azza Mohamed Tawfek Hussein	
<b>Title</b>	Assistant professor of clinical pathology	
<b>Date of birth</b>	5/11/1982	
<b>Place of birth</b>	Cairo, Egypt	
<b>Citizenship</b>	Egyptian	

#### Contact Information

<b>Mobile phone</b>	00201060416300
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<b>Web site (s)</b>	<a href="http://scholar.cu.edu.eg">http://scholar.cu.edu.eg</a>
<b>Current Address</b>	building (7) ap.(p103). Compound Lajour, Al Mokattam.

#### Educational Qualifications

- 1- B. V. S. c degree from Cairo University (2004).
- 2- Masters in Vet Sciences in clinical pathology from Cairo Univ. (2009)
- 3- Ph.D. in Vet Sciences in clinical pathology from Cairo Univ. (2014)

#### Academic Positions

- Demonstrator of clinical pathology, Fac. of Vet. Med. Cairo Univ. since 2004
- Assistant lecturer clinical pathology, Fac. of Vet. Med. Cairo Univ. 2009
- Lecturer clinical pathology, Fac. of Vet. Med. Cairo Univ. 2014
- Assistant professor of clinical pathology, Fac. of Vet. Med. Cairo Univ. 2021



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### Master Thesis Title

دراسات متقدمة لتشخيص الديدان الكبديه فى المجترات  
Advanced studies for diagnosis of Fascioliasis in ruminant animals

### PHD Thesis Title

دراسات تشخيصيه مقارنه على سموم ميكروب الكلوستريديم برفرنجنس فى الطيور  
Comparative diagnostic studies on Clostridium perfringens toxins in poultry

### Areas of experience

Clinical Pathology (Clinical hematology, Clinical biochemistry and Molecular biology)

### Professional Qualifications

- Teaching Laboratory evaluation of organ function tests and tumor markers for Diploma of pathology and Master Degree of Veterinary Medical Sciences
- Teaching Clinical hematology and Clinical biochemistry for PH and master degree of veterinary Clinical Pathology.
- Teaching diagnostic cytology of different diseases and neoplastic masses for PH and master degree of veterinary Clinical Pathology.

### Conferences

1. Attended the 2<sup>nd</sup> IHSIG from 12-13 March, 2013: Antimicrobial resistance, linked to intestinal health and animal production in Monasterium, Poort Ackere in Ghent, Belgium.
2. Attended the 1<sup>st</sup> International conference of Necrotic Enteritis from 9-13 June 2015 at Copenhagen, Denmark.
3. Attended the 1st International conference of Necrotic Enteritis from 9-13 June 2015 at



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Copenhagen, Denmark.

4. Attended the World Veterinary Poultry Congress from 16-20 September 2019 at Bangkok International Convention Centre, Bangkok, Thailand.

- Effective Communication skills
- Scientific Research Methods
- Thinking Skills
- Conference Organization
- Effective Teaching Skills
- Effective presentation skills
- International Publication of Scientific Research
- Credit hour systems
- Management of the research team
- Teaching Evaluation
- Meetings and Managing Time
- Financial and legal aspects of university business
- The use of technology in teaching
- Critical thinking
- Interactive Electronic Courses
- Exams and Students Evaluation Systems

### Computer Skills

Literacy of Windows, Word, Excel and PowerPoint

### Language Skills

Passed the local TOFEL exam

### Trainings and workshops:

1. Attending 3 days course on Molecular diagnostic Microbiology at Dept. of Microbiology, Fac. Of veterinary Medicine, Cairo University at 27-29/6/2005.
2. Attended the 8th training course on Molecular biology "Polymerase chain reaction and its different applications" that was held from 12-17th Nov. 2005.
3. Attending 10 training courses in advanced immunology and 4 training courses in advanced diagnostic



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techniques specially PCR technology and molecular cloning and vaccine preparation at Biotechnology Centre for services and research in the Faculty of Vet. Medicine, Cairo University.

4. Attending the training coarse of PCR for diagnosis of Mycoplasma infection in poultry (19-21 April 2010) held at Biotechnology Center for Services and Researches, Faculty of Vet. Med., Cairo Univ.

### Technical capabilities:

PCR (Real time quantitative PCR {**Light Cycler technology**}.

Electrophoresis (SDS-PAGE, Agarose and Cellulose acetate paper).

- Expression of recombinant proteins (in *E. coli* and cell culture).
- Western blotting (based on either gradient SDS-PAGE or fixed gel %).
- Column chelating chromatography (for protein purification).
- Lymphocyte proliferation and phagocytic index assays.
- Conventional serodiagnostic tests (ELISA, AGPT, CFT, PHA....)

### Projects:

- I had participated actively in 'Project development and ongoing economic protocol to produce antigens of fasciola used for the production of vaccines and materials for diagnoses.

### Publications:

1. **Preparation of Combined Inactivated Vaccine Against Salmonella enteritidis, Salmonella typhimurium and Clostridium perfringens type A and C Toxins**, 2015: Rafik T. Soliman, Selim S. Salama, Rafik H. Sayed, Hussein Galal and **Azza M. Tawfek**, World Applied Sciences Journal, 33 (3): 472-478.
2. **Recent approaches for control of E. coli and respiratory complex in Middle East**, 2018: Hussein M. Galal, **Azza M. Tawfek**, Mohamed I. Abdrabou, Ashgan Mohamed Hessain, Jwahrer Haji Alhaaji, Saleh A. Kabli, Ayman Elbehie, Waleed K. Alwarhi, Ihab M. Moussa, Saudi Journal of Biological Sciences. 25:1302-1307.
3. **Zingiber officinale and Glycyrrhiza glabra, individually or in combination, reduce heavy metal accumulation and improve growth performance and immune status in Nile tilapia, Oreochromis niloticus**, 2020: Emad Mohammed, Mervat Kamel, Kassem El Iraqi, **Azza M. Tawfik**, Marwa S. Khattab, Mabrouk Elsabagh, Aquaculture Research. 51:1933-1941.
4. **Mycoplasma haemolamiae infection in Camelus dromedarius in Egypt.**, 2019: **Azza M. Tawfek** and Hussein Gala, Bioscience Research, 16(4): 3763-3768.
5. **Hematological, Biochemical and Cytological Diagnosis of Canine Osteosarcoma**, 2020: **Azza M. Tawfek**, Egypt Comp. Path & Clinic Path. 32(2): 15-24.
6. **Effect of  $\beta$ -mannanase enzymes supplementation to energy deficient diets on productive performance, physiology and carcass traits of Broiler**, 2020: Hashim M.M, El Safty S.A, El Iraqi K.G, **Azza M. Tawfek**, Marwa S. Khattab, Ibrahim H.M and A.Y.M Abdelhady, International Journal of poultry



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science.

7. **Elettaria Cardamomum Essential Oil Rescues Paracetamol-Induced Hepatorenal Damage Via Modulating Oxidative Stress In Rats**,2020: Ayman A. Khattab, Azza M. Tawfek, Khaled Abo-Elsoud, Kawkab A. Ahmed and Ahmed, A.R, Advances in Animal and Veterinary Sciences. 8 (8)
8. **Antimicrobial effect of different herbal plant extracts against different microbial population**, 2020: Hassan A. Hemeg, Ihab M. Moussa, Sherin Ibrahim, Turki M. Dawoud, Jwahr H. Alhaji, Ayman S. Mubarak, Saleh A. Kabli, Roua A. Alsubki, Azza M. Tawfik, Sherif A. Marouf, Saudi Journal of Biological Sciences. Article in press.
9. **EVALUATION OF THE EFFICACY OF POULVAC\* E. COLI AND LINCO-SPECTIN\* 100 IN CONTROL OF RESPIRATORY DISEASE COMPLEX IN SAUDI ARABIA**, Hussein M. Galal, **Azza M. Tawfek** and Mah C.K. Poster presented at World Veterinary Poultry Association Congress; September 16-19, 2019; Bangkok, Thailand.
10. **EVALUATION OF VACCINE APPLICATION AND COMPATIBILITY OF 2 COMMERCIAL MAREK'S VACCINES WITH INACTIVATED AI H9N2 + NDV VACCINE IN LAYER FARM IN SAUDI ARABIA**, Hussein M. Galal and **Azza M. Tawfek**. Poster presented at World Veterinary Poultry Association Congress; September 16-19, 2019; Bangkok, Thailand.
11. **Comparative diagnostic studies on Clostridium perfringens toxins in poultry**. Mostafa M. Bashandy, Shaymaa Ismail Salem, Hussein M. Galal and Azza M.Tawfek. Poster presented at 1st International Conference on Necrotic Enteritis in Poultry; 10th – 12th June 2015. Copenhagen, Denmark.
12. **Ashwagandha (Withania somnifera) root extract attenuates hepatic and cognitive deficits in thioacetamide-induced rat model of hepatic encephalopathy via induction of Nrf2/HO-1 and mitigation of NF-kappa B/MAPK signaling pathways**. Khalil, HMA; Eliwa, HA; El-Shiekh, RA; Al-Mokaddem, AK; Hassan, M; Tawfek, AM; El-Maadawy, WH; JOURNAL OF ETHNOPHARMACOLOGY, SEP 15 (2021), Article No:114141