



Personal Information:-

- **Name:** *Amin Mohamed Abdelhadi Tahoun*
- **Nationality:** *Egyptian*
- **Sex:** *Male*
- **Marital status:** *Married*
- **Date of birth:** *15/5/1977.*
- **Place of birth:** *Kafr El-Sheikh, EGYPT.*
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Academic Record

- 1) **Bachelor of Veterinary Medical Sciences with a rank of very good. Faculty of veterinary medicine. Tanta university, 2000.**
- 2) **Master of Veterinary Medical Sciences (Veterinary internal medicine major). Faculty of veterinary medicine. Kafrelsheikh university 27/5/2004.**

" Clinical and biochemical studies of induced pregnancy toxemia in Does "

- 3) **Ph.D. of Veterinary Medical Sciences (Veterinary Microbiology major). Edinburgh University, UK. 2011**

"Role of Type III secretory effectors EspF and SopB in enteric pathogenesis of Escherichia coli and Salmonella enterica serovar Typhimurium"

Academic Appointments:

- 1) 30th June 2001 to 31st January 2005 Demonstrator of veterinary internal medicine, Department of Animal medicine, Faculty of Veterinary medicine, Kafrelsheikh branch Tanta University, Egypt.
- 2) 1st February 2005 to 26th February 2012 Assistant lecturer of veterinary internal medicine, Department of Animal medicine, Faculty of Veterinary medicine, Kafrelsheikh university, Egypt.
- 3) 27th February 2012 to 6th November 2017 lecturer of infectious diseases, Department of Animal medicine, Faculty of Veterinary medicine, Kafrelsheikh university, Egypt.
- 4) 7th November 2017 - 27th June 2018 Lecturer of infectious diseases Department of Animal medicine, Faculty of Veterinary medicine, Kafrelsheikh university, Egypt
- 5) 28th June 2018 until today May 2022 associate professor of infectious diseases Department of Animal medicine, Faculty of Veterinary medicine, Kafrelsheikh university, Egypt

Post Dr Fellowship

1st May 2012- 24th April 2015 post Dr Fellow at the Roslin Institute, University of Edinburgh, UK

Skills & Quality Assurance Activities

1. Communication; presentation of papers and own project including group discussions
2. Group working; lab work as part of a group co-ordinating multiple steps in class experiments
3. Time management; completion of all essays and preparation of PowerPoint presentations on time
4. Participated in preparing the self-study of the faculty

Conferences

1. First conference of Veterinary Medicine, from Kafr-El-sheikh University, Egypt.

2. **VTEC Annual Conference October 17th 2013 in Dublin giving talk presentation 'Vaccine Development in cattle '**
3. **Society for general microbiology (www. s g m . a c . u k) Autumn Conference 2–4 September 2013 University of Sussex with poster *Salmonella transforms follicle-associated epithelial cells into M cells to promote intestinal invasion and talk (How pathogens subvert cellular phosphate-based regulatory molecules to their own advantage: Salmonella Type III effectors in action)***
4. **International Union of Microbiological Societies (IUMS) 2017 Congresses in Singapore from 17 – 21 July 2017 with two poster and one talk**

Scientific Awards

International Scientific Publishing Award from kafrelsheikh University 2012.

Research paper

Tahoun, A., Siszler, G., Spears, K., McAteer, S., Tree, J., Paxton, E., ... & Mahajan, A. Comparative analysis of EspF variants in inhibition of Escherichia coli phagocytosis by macrophages and inhibition of E. coli translocation through human-and bovine-derived M cells. *Infection and immunity*, 79(11), 4716-4729. (2011).

A Tahoun, S Mahajan, E Paxton, G Malterer, DS Donaldson, D Wang, ...

Salmonella transforms follicle-associated epithelial cells into M cells to promote intestinal invasion. Cell host & microbe 12 (5), 645-656. 2012

KSH Beckham, JPR Connolly, JM Ritchie, D Wang, JA Gawthorne, Amin Tahoun, David L Gally ...

The metabolic enzyme AdhE controls the virulence of Escherichia coli O157:H7. *Molecular microbiology* 93 (1), 199-211. 2014

A Tahoun, K Jensen, Y Corripio-Miyar, SP McAteer, A Corbishley, ...

Functional analysis of bovine TLR5 and association with IgA responses of cattle following systemic immunisation with H7 flagella

Veterinary research 46 (1), 1-15. 2015

RJ Fernandez-Brando, N Yamaguchi, A Tahoun, SP McAteer, T Gillespie, ...

Type III secretion-dependent sensitivity of Escherichia coli O157 to specific ketolides. *Antimicrobial agents and chemotherapy* 60 (1), 459-470. 2016

H El-Sharkawy, A Tahoun, AEGA El-Gohary, M El-Abasy, F El-Khayat, ...

Epidemiological, molecular characterization and antibiotic resistance of *Salmonella enterica* serovars isolated from chicken farms in Egypt. *Gut Pathogens* 9 (1), 1-12. 2017

A Tahoun, H Masutani, H El-Sharkawy, T Gillespie, RP Honda, K Kuwata, ...

Capsular polysaccharide inhibits adhesion of *Bifidobacterium longum* 105-A to enterocyte-like Caco-2 cells and phagocytosis by macrophages. *Gut pathogens* 9 (1), 1-17. 2017

A Tahoun, K Jensen, Y Corripio-Miyar, S McAteer, DGE Smith, ...

Host species adaptation of TLR5 signalling and flagellin recognition. *Scientific reports* 7 (1), 1-13. 2017

D Wang, SP McAteer, AB Wawszczyk, CD Russell, A Tahoun, A Elmi, ...

An RNA-dependent mechanism for transient expression of bacterial translocation Filaments. *Nucleic acids research* 46 (7), 3366-3381. 2018

H El-Sharkawy, A Tahoun, AM Rizk, T Suzuki, W Elmonir, E Nassef, ...

Evaluation of *Bifidobacteria* and *Lactobacillus* Probiotics as Alternative Therapy for *Salmonella typhimurium* Infection in Broiler Chickens. *Animals* 10 (6), 1023. 2020

W Elmonir, S Shalaan, A Tahoun, SF Mahmoud, EMA Remela, R Eissa, ...

Prevalence, antimicrobial resistance, and genotyping of Shiga toxin-producing *Escherichia coli* in foods of cattle origin, diarrheic cattle, and diarrheic humans in Egypt. *Gut Pathogens* 13 (1), 1-11. 2021

H Ismaeil, W Abdo, S Amer, A Tahoun, D Massoud, E Zanaty, ...

Ameliorative effect of heat-killed *Lactobacillus plantarum* L. 137 and/or *Aloe vera* against colitis in mice. *Processes* 8 (2), 225. 2020

EB Wolfson, J Elvidge, A Tahoun, T Gillespie, J Mantell, SP McAteer, ...

The interaction of *Escherichia coli* O157: H7 and *Salmonella Typhimurium* flagella with host cell membranes and cytoskeletal components. *Microbiology* 166 (10), 947. 2020

FA El-Gohary, LJM Abdel-Hafez, AI Zakaria, RR Shata, A Tahoun, ...

Enhanced Antibacterial Activity of Silver Nanoparticles Combined with Hydrogen Peroxide Against Multidrug-Resistant Pathogens Isolated from Dairy Farms and Beef Slaughterhouses. *Infection and Drug Resistance* 13, 3485. 2020

M El-Tholoth, MG Mauk, YF Elnaker, SM Mosad, A Tahoun, MW El-Sherif, ...

Molecular Characterization and Developing a Point-of-Need Molecular Test for Diagnosis of Bovine Papillomavirus (BPV) Type 1 in Cattle from Egypt. *Animals* 10 (10), 1929. 2020

A Altayban, M Kandeel, A Tahoun, M Al-Nazawi

Cefotaxime pharmacokinetics in Arabian camel (*Camelus dromedarius*) calves after single intravenous injection. *Tropical animal health and production* 52 (2), 887-891. 2020

A Tahoun, HK Elnafarawy, EK Elmahallawy, A Abdelhady, AM Rizk, ...

Epidemiological and Molecular Investigation of Ocular Fungal Infection in Equine from Egypt. *Veterinary sciences* 7 (3), 130. 2020

A Tahoun, K Jensen, H El-Sharkawy, D Gally, AM Rizk, J Ajarem, A Allam, ...

Inflammasome Activation in Bovine Peripheral Blood-Derived Macrophages Is Associated with Actin Rearrangement. *Animals* 10 (4), 655. 2020

Role of Type III secretory effectors EspF and SopB in enteric pathogenesis of *Escherichia coli* and *Salmonella enterica* serovar Typhimurium. AM Tahoun The University of Edinburgh 2011.

A Gareh, NM Elhawary, A Tahoun, AM Ramez, D El-Shewehy, E Elbaz, ...

Epidemiological, morphological and morphometric study on *Haemonchus* spp. recovered from goats in Egypt. *Frontiers in Veterinary Science*, 1201. 2021

A Tahoun, H El-Sharkawy, SM Moustafa, LJM Abdel-Hafez, A Albrakati, ...

Mitotic Arrest-Deficient 2 Like 2 (MAD2L2) Interacts with *Escherichia coli* Effector Protein EspF. *Life* 11 (9), 971. 2021

A Gareh, AA Saleh, SM Moustafa, A Tahoun, RS Baty, RMA Khalifa, ...

Epidemiological, Morphometric, and Molecular Investigation of Cystic Echinococcosis in Camel and Cattle From Upper Egypt: Current Status and Zoonotic Implications. *Frontiers in veterinary science* 8. 2021

Tahoun, A., Elnafarawy, H. K., El-Sharkawy, H., Rizk, A. M., Alorabi, M., El-Shehawi, A.

M., ... & El-Khodery, S. The Prevalence and Molecular Biology of *Staphylococcus aureus* Isolated from Healthy and Diseased Equine Eyes in Egypt. *Antibiotics*, 11(2), 221. (2022).