

# Iman Ibrahim Thabet Moustafa shabana

## PERSONAL INFORMATION:

Date of Birth: 9-4-1979  
Gender: female  
Marital Status: married  
Nationality: Egyptian  
Religion: Muslim  
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## EDUCATION:

### Suez canal University, Faculty of veterinary medicine

Bachelor of veterinary medicine sciences (Very Good Honors).	2001
Master of Bacteriology, Immunology and Mycology.	2005
Philosophy degree of Bacteriology, Immunology and Mycology.	2011

## CURRENT AND PREVIOUS EMPLOYMENT:

- Demonstrator, Faculty of Veterinary Medicine, Department of Bacteriology, Immunology and Mycology, Suez Canal University. (2001 – 2005)
- Assistant lecturer, Faculty of Veterinary Medicine, Department of Bacteriology, Immunology and Mycology, Suez Canal University. (2005 – 2011)
- Lecturer, Faculty of Veterinary Medicine, Department of Bacteriology, Immunology and Mycology, Suez Canal University. (2011 – 2013)
- Assistant professor, Biology department, Faculty of science, Taibah University, KSA (2013 – 2016)
- Associate professor, Biology department, Faculty of science, Taibah University, KSA (2016 – 2021)
- Professor, Faculty of Veterinary Medicine, Department of Bacteriology, Immunology and Mycology, Suez Canal University. (2021- till now)
- Twenty two years experience in teaching undergraduate and post graduate students.

## TEACHING EXPERIENCE:

### I- Bachelor degree courses

- ✚ General Bacteriology (BACT 3071)
- ✚ Systematic Bacteriology (BACT 3072)
- ✚ General Mycology (BACT 3073)

- ✚ Special mycology (BACT 3074)
- ✚ Immunology basics (BACT 3075)
- ✚ Immunology and vaccination (BAC 201)

## II- Higher studies courses

### 1- Bacteriology Diploma courses

- ✚ Clinical Bacteriology (BACT 704)
- ✚ Advanced Mycology (BACT 705)
- ✚ Advanced Immunology (BACT 706)
- ✚ Diagnosis of bacterial and fungal diseases (BACT 707)

### 2- Master courses

- ✚ Bacteriology, immunology and mycology of ruminants (BACT 804)
- ✚ Clinical bacteriology (Advanced) (BACT 803)
- ✚ Fish Bacteriology (BACT 2074)
- ✚ Diagnosis Methodology (BACT 2077)
- ✚ Master Principals (BACT PMC)
- ✚ Microbial biotechnology ((BACT 802)

### 3- Ph. D courses

- ✚ Diagnostic Bacteriology (BACT 2072)
- ✚ Advanced Immunology (BACT 2073)
- ✚ Birds and Rabbit Bacteriology (BACT 2075)
- ✚ Invertebrates Bacteriology (BACT 2076)
- ✚ Molecular and diagnostic immunology (BACT 903)
- ✚ Molecular bacteriology and mycology (BACT 904)

## **POSITIONS:**

- Member of the Committee of environment and community service.
- Member of the Board of Directors of the faculty central laboratory.
- Member of Quality assurance and accreditation of education unit.
- Member of the faculty council.

## **Membership:**

- Member of American Society for Microbiology (ASM).
- A member of American Association for science and technology (ASSCIT).
- A member of The Science Advisory Board.

## **Editorial activities:**

- Austin Journal of clinical Immunology.
- Veterinary Science & Animal Husbandry
- Kenkyu Journal of AIDS & Clinical Trials
- Jacob's journal of veterinary science and research.
- Aperito Journal of Bacteriology, Virology and Parasitology
- Jacobs Journal of Genetics
- SM Journal of Infectious Diseases
- Advanced Techniques in Clinical Microbiology
- Journal of Bacteriology and Vaccine Research
- Journal of Immunology Forecast
- Journal of Molecular Microbiology.
- SciFed Journal of Immunology

#### **Peer review activities:**

- Jsci med central journals.
- The Journal of Infection in Developing Countries.
- The International Journal of Agricultural Policy and Research.
- Issues in Biological Sciences and Pharmaceutical Research.
- Journal of Microbiology and Antimicrobials (JMA).
- International Journal of Health Sciences (Qassim University).
- International journal of environmental science and toxicology (IJEST)
- Journal of veterinary science and research.

#### **CONFERENCES:**

- The First Young Research Conference (YRC2013) which held in Suez Canal University, March, 2013
- The fifth international conference of veterinary medicine faculty, Suez Canal University, 2013.
- The sixth scientific conference, Taibah University, Kingdom of Saudi Arabia, 2015.
- A member of the organizing committee of 8th International conference on Infectious and Inflammatory Diseases. Rome, Italy. July 23-24, 2018.

## RESEARCH PROJECTS:

- Research project No. MS-35-34 entitled "The impact of viral infection on sheep susceptibility to bacterial infection " funded by King Abdulaziz City for Science and Technology, Saudi Arabia.
- Research project No. 1435-6188 entitled "Molecular characterization of Diarrheogenic *E. coli* in humans and animals" funded by the deanship of scientific research, Taibah University, Saudi Arabia.
- Research project No. SR-D-011-891 entitled "clinical, laboratory, experimental studies on the complications due to contamination of contact lenses by bacteria" funded by the deanship of scientific research, Qassim University, Saudi Arabia.
- Research project No. 437-8018 entitled " Determination of Multilocus sequence types (MLST) of diarrhea-associated *Escherichia coli* isolated from humans and meat animals in Saudi Arabia" funded by the deanship of scientific research, Taibah University, Saudi Arabia.
- Research project No. 110-325 entitled " Investigation of viral and bacterial enteropathogens of diarrheic sheep and goats in Medina, Saudi Arabia " funded by the deanship of scientific research, Taibah University, Saudi Arabia.
- Research project No. 170-756 entitled " Diagnostic tools of caprine and ovine Anaplasmosis: a direct comparative study" funded by the deanship of scientific research, Taibah University, Saudi Arabia.

## PUBLICATIONS

### 1- International publications:

- 1-Genomic events contributing to the high prevalence of amantadine-resistant influenza A/H3N2. Zaraket H, Saito R, Suzuki Y, Suzuki Y, Caperig-Dapat I, Dapat C, **Shabana II**, Baranovich T, Suzuki H. Antivir Ther. 2010;15(3):307-19.
- 2-Emergence of H274Y oseltamivir-resistant A(H1N1) influenza viruses in Japan during the 2008-2009 season. Baranovich T, Saito R, Suzuki Y, Zaraket H, Dapat C, Caperig-Dapat I, Oguma T, **Shabana II**, Saito T, Suzuki H; Japanese Influenza Collaborative Study Group. J Clin Virol. 2010 Jan;47(1):23-8. Epub 2009 Dec 3.
- 3-Molecular characterization and susceptibility of methicillin-resistant and methicillin-susceptible *Staphylococcus aureus* isolates from hospitals and the community in Vladivostok, Russia. Baranovich T, Zaraket H, **Shabana II**, Nevzorova V, Turcutyucov V, Suzuki H. Clin Microbiol Infect. 2010 Jun;16(6):575-82. Epub 2009 Aug 4.
- 4-Molecular studies on diarrhea-associated *Escherichia coli* isolated from humans and animals in Egypt. **Shabana, I.I.**, Zaraket H, Suzuki H. Vet Microbiol. 2013 Aug 29.

- 5-Diagnosis of *Escherichia coli* using Pulsed Field Gel Electrophoresis (PFGE). Hamza M. Ibrahim, Mohamed E. Enany, **Shabana, I.I.** Nature and science, 2011.
- 6- Molecular typing of the enteroaggregative *E.coli* heat-stable enterotoxin 1 gene (EAST1) in *E. coli* strains isolated from human and calves with diarrhea. **Shabana, I.I.** et al GASJ; 1(1):1128-1138, 2013.
- 7-Detection of the Enteroaggregative Heat-Stable Enterotoxin 1 Nucleotide Sequences among Diarrhegenic *Escherichia coli*. **Shabana, I.I.** Austin Journal of Clinical Immunology.
- 8-*Escherichia coli* pathotypes associated with diarrhea in human and domestic animals. **Shabana, I.I.** American Journal of Animal and Veterinary Sciences 9 (3): 153-159, 2014.
- 9-Detection of Virulence Genes in Salmonella Serovars Isolated from Broilers. Ezzat M. E., **Shabana I.I.**, Esawy A. M., Elsothy M. E. Animal and Veterinary Sciences. Vol. 2, No. 6, 2014, pp. 189-193. doi: 10.11648/j.av.s.20140206.16.
- 10- Effect of Electromagnetic Fields on *Aeromonas hydrophila* Isolated from Cultured Nile tilapia (*Oreochromis niloticus*). S.M. Aly, **I. I. Shabana** and N.M. Abdel Atti. Journal of pure and applied microbiology, May 2015. Vol. 9(Spl. Edn. 1), p. 325-332.
- 11- Detection of Virulence-Associated Genes of Avian Pathogenic *Escherichia coli* (APEC) Isolated from Broiler. Elsayed ME, **Shabana II**, Esawy AM, Rashed AM. Jacob journal of genetics. 2015;1(1): 004.
- 12- Prevalence and characterization of *Escherichia coli* isolated from apparently healthy and diseased Cockatiles and budgerigars. A. A. R. Khafagy, M. A. Moustafa, I. S. Ibrahim, **Shabana, I.I.** and I. M. F. Khalifa. Global Animal Science Journal-GASJ 2(1):1248-1252; 2015.
- 13- Prevalence and molecular characterization of Shiga toxin-producing *Escherichia coli* isolates from human and sheep in Al-Madinah Al-Munawarah. Eman Fathi Sharafa, Iman I. Shabana. INFECT-116; No. of Pages 8; 2016.
- 14- Antimicrobial Activities of Unconventional Compounds against Some Bacteria Associated with Skin Infections in Humans, Sheep and Goats. **Iman Shabana** and Amira El-Adly. American Journal of Applied Sciences 2016, 13 (1): 36.45.
- 15- Investigation of viral and bacterial enteropathogens of diarrheic sheep and goats in Medina, Saudi Arabia. **Shabana, I.I.**, Bouqellah, N. A., Zaraket, H. Tropical Biomedicine Vol. 34 issue 4 (2017).
- 16- Studies on Bacterial Pathogens in Some Marine Fishes in EL-Mansoura, Egypt. Elsayed Mahmoud Ezzat, Essawy Mahmoud, Shabana Iman Ibrahim, Abou El-Atta Mohamed and EL-

- Banna, Noha. American Journal of Agricultural and Biological Sciences 2018, DOI: 10.3844/ajabssp.2018.
- 17- Diagnostic tools of caprine and ovine Anaplasmosis: a direct comparative study. **Shabana, I.I.**, Alhadlag, N.M., Zaraket, H. BMC Vet Res. 2018; 14: 165.
- 18- Antimicrobial Activity of Green Silver Nanoparticles against Fluconazole-resistant *Candida albicans* in Animal Model. Amira El-adly and **Iman Shabana**. Egypt. J. Bot., Vol. 58, No, 1. pp. (2018).
- 19- Evaluation of genetic variation, antioxidant and antibacterial activities of two sidr varieties in medina. Salwa Fahmy Badr, Nahla A. El-Sherif, **Shabana Iman Ibrahim**, Mai El-Deeb, Fatma Yahya Mohammed AL-Shinqiti. Pakistan Journal of Pharmaceutical Sciences. 2020; 33, (1): 001-009
- 20- Seroprevalence of some viral and bacterial zoonoses in domestic ruminants in Medina. **Iman Ibrahim Shabana**, Roaa A Krimly. Journal of Advanced Veterinary and Animal Research, 7(1): 42–50, March 2020.
- 21- Sero-surveillance of *Mycobacterium avium* subspecies paratuberculosis infection in ruminants in Medina. **Iman Ibrahim Shabana**, Aisha A Aljohani. Journal of Advanced Veterinary and Animal Research. 7(1): 69–76, March 2020.
- 22- Investigation of plasmid-mediated resistance in *E. coli* isolated from healthy and diarrheic sheep and goats. **Shabana, I. I.; Al-Enazi, A. T.** Saudi Journal of Biological Sciences. 27 (2020) 788–796.
- 23- Genetic characterization, cloning, and expression of Toll-like Receptor 1 mRNA Nile tilapia (*Oreochromis niloticus*). **Reham R. Abouelmaatti, Abdelazeem M. Algammal, Wael M. K. Elfeil, Noha M. Elshaffy, Xiaokun Li, Jisheng Ma, Mohamed Fawzy, Ali Wahdan, Reham El-Tarabili<sup>3</sup>, and Iman I. Shabana.** Veterinarski Arhiv 90 (2), 185-196, 2020.
- 24- A metagenomic survey of lamb's pre- and post-weaning fecal microbiomes. **N. N. Albakri, N. A. Bouqellaha and I. I. Shabana.** Journal of Taibah University for Science. 14 (1) 1233–1242, 2020.
- 25- Metagenomic investigation of faecal microbiota in sheep and goats of the same ages. **I. I. Shabana, N.N. Albakri and N.A. Bouqellaha.** Journal of Taibah University for Science, 2021, VOL. 15, NO. 1, 1–9.

## 2- Local publications

- 1-Molecular diagnosis of Shigatoxin (Verotoxin)- producing *Escheirichia coli* (O157:H7) Isolates from Egypt and Japan. Mohamed E. Enany, **Shabana, I.I.**, Soumaya S.A El-shafii, Hamza M. Ibrahim, Suzuki H. J.Egypt.vet.med.Ass. 2009; 4:73-81.
- 2-A comparison between the traditional and the molecular methods in the diagnosis of diarrheagenic *Escherichia coli*. Mohamed E. Enany, **Shabana, I.I.**, Soumaya S.A El-shafii, Hamza M. Ibrahim, Suzuki H. SCVMJ international conference. 2010.
- 3-Characterization, antimicrobial drug resistance and PCR detection of *E.coli* isolated from quails in North Sinai Governorate. **Shabana, I.I.** ,Abd El-Azem El-Gamal, Nour El-Houda Abd-Allah El-Mattary. N S V M. 2012. 1, 23-29.
- 4-Molecular characterization of pathogenic *E.coli* isolated from meat and their products. Marwa Abd El-Hak, Ezzat, M., **shabana, I.I.** and Gihan M.O.Mohamed. scvmj, X (1) 2012
- 5-Characterization of *Aeromonas hydrophila* complex isolated from foods of animal origin. Enany, M.E., Shalaby, A.M., **Shabana, I.I.**, El-Gammal, A.M and Marwa E.Hassan. scvmj, XVIII (2) 2013.
- 6-Isolation of Common Bacteria Causing Urinary Tract Infections in Pet Animals and Human. Ezzat, M, **Shabana, I.I.**, Mandour, A. S., Hend, A. A. Suez Canal Veterinary Medicine Journal, XX, No. (1), June, 2015.
- 7-Molecular characterization of *Staphylococcus aureus* isolated from meat, milk and their products. Ezzat, M, **Shabana, I.I.**, Riad, E.M, Sarah, M. A. Suez Canal Veterinary Medicine Journal, XIX, No. (1), 2014.
- 8-Hematoporphyrin-mediated photosensitization of aflatoxin-producing *Aspergillus* species isolated from meat products. Amira A. El –adly, **Iman I. Shabana**, Nahla A. Bouqellah. Egypt. J. Exp. Biol. (Bot.), 13(2): 259 – 268 (2017).