

Elshaimaa Ismael Sayed Soliman

Online sites :

<https://scholar.cu.edu.eg/?q=elshaimaa/>

https://www.researchgate.net/profile/Elshaimaa_Ismael

<https://www.linkedin.com/in/elshaimaa-ismael-b1342aa1/>

E-mails :

Elshaimaavet@cu.edu.eg

Elshaimaavet@gmail.com

Address: El-Shourouk City, Cairo, Egypt



Education:

- **PhD (2014)** in Animal, Poultry and Environmental Hygiene: “Some Epidemiological Studies on Antigens used in Monitoring Immune-Response of Birds Vaccinated against Avian Influenza”.
- **Master (2009)** in Animal, Poultry and Environmental Hygiene: “Effect of Environmental Conditions and Housing System on the Immune Response of Poultry Flocks to the Vaccination against Avian Influenza”.
- **B.Sc. Degree (May 2005)** in Veterinary medical sciences, Faculty of Vet. Med.- Cairo Univ. {Very Good (78.44%) with the degree of honor}.

Conferences attended:

- 1- **15th Scientific (7th International) Conference of Faculty of Vet. Med.- Cairo Univ.** “One Health: Animal, Human and Environment: Recent Applications”. At Sokhna, Egypt. August 5-8, 2018.
- 2- **7th International Conference of Veterinary Research Division “Development of Animal Wealth: Challenges and Solutions”.** National research center, Cairo, Egypt. December 5-7, 2017.
- 3- **5th International Conference of Virology - Egyptian Society of Virology.** – Hurghada, Egypt. December 9 – 12, 2014.
- 4- **4th International Conference of Virology - Egyptian Society of Virology.** Sharm El-Sheikh, Egypt. November 14 – 16, 2012.
- 5- **11th Scientific (3rd International) Conference of Faculty of Vet. Med.- Cairo Univ.** Hurghada, Egypt. May 15-18, 2011.
- 6- **10th Scientific (2nd International) Conference of Faculty of Vet. Med.- Cairo Univ.,**

Hurghada, Egypt. And have a **paper** accepted in this conference. October 19th - 22nd, 2009.

7- **Middle East and North Africa Animal Wealth Research Conference:** “Future of Animal Wealth”. Cairo, Egypt.16-18 Oct. 2008.

8- **The 2nd International Conference of Virology:** Egyptian Society of Virology. “Emerging and Exotic Viral infections”. Giza, Egypt. April 5th – 6th, 2008.

Training courses and workshops attended:

- 1- **R-for Researchers.** The course includes: Introduction to R; Biostatistics with R; Basic graphics with R; Advanced graphics with R; Correlation and regression with R; Logistic regression with R; Principal component analysis with R; Receiver operating characteristics (ROC) curve with R; Data manipulation with R. Course at Continuous Education Department, **Children’s Cancer Hospital Egypt-57357**, Egypt. From 5 July to 4 October 2021 (78 hours).
- 2- **Data Analysis Challenge Track.** Introduction to Data Analysis. **Egypt Future Work is Digital initiative** and **Udacity**. From January to March 2021.
- 3- **Data Analysis Advanced Nanodegree Program:** Practical statistics and data visualization in Python Programming, Data Analysis, and Data Wrangling. **Egypt Future Work is Digital initiative** and **Udacity**. From November 2020 to January 2021.
- 4- **Data Analysis Professional Nanodegree Program:** Introduction to Python Programming, Data Analysis, and Data Wrangling. **Egypt Future Work is Digital initiative** and **Udacity**. From August to October 2020.
- 5- **Applied Biostatistics by R- Programming:** Course at Faculty of Veterinary Medicine, Cairo Univ., Egypt. December 2019.
- 6- **“MIEH 607: Global Classroom: Risk based approach to ensure global food safety and security.”** A collaboration between the university of Maryland, USA and Cairo University, Egypt. Online from 30th May till 2nd July, Summer 2018.
- 7- **“Geographic Information systems”:** Course at AUC Engineering and Science Services, Cairo, Egypt. March 2018.
- 8- **Symposium: “Advances in the biochemistry and its applications”.** - National research center, Cairo, Egypt. December 20, 2017.
- 9- **“Biosafety and Biosecurity Regulations in Microbiological Laboratories”**, Workshop in the frame of German- Egyptian project: “Strengthening the co-operation on biosecurity and biosafety with Egypt 2017 to 2019” on 29th October 2017, at Animal

Reproduction Research Institute (ARRI), Giza, Egypt.

- 10- **“Biorisk Management for Avian Influenza”** Workshop- American Society for Microbiology, Cairo, Egypt. 16 – 18 October 2016.
- 11- Module II: **“Quantitative Research”**, of the training program “Research Methods and their Applications in Guiding and Evaluating Policies and Programs”. At the Social Research Center of the American University in Cairo, Egypt. March 15 – April 16, 2015.
- 12- **“Designing Scientific Posters” module:** with DAAD Kairo Akademie in Cairo, Egypt, on 15th of October 2014.
- 13- **“Proposal writing GERLS” module:** with DAAD Kairo Akademie in Cairo, Egypt, on 17th of April 2014.
- 14- **Scientific pre-doctoral mission for collecting scientific data**, in the OIE/FAO Reference Laboratory for Avian Influenza and Newcastle Disease, Istituto Zooprofilattico Sperimentale delle Venezie (IZSve, Legnaro-Padova- Italy), from April to July 2013.
- 15- **Fundamentals of Bioinformatics workshop.** – Held at the Medical Technology center- Alexandria Univ., Egypt. 21-22 July 2011.
- 16- **Application of RT-PCR for Rapid Detection and Geno-typing of Avian Influenza;** Training workshop. Biotechnology Center for Services and Research. Faculty of Vet. Med.- Cairo Univ. April 26-28, 2010.
- 17- **Rapid and Accurate Diagnosis of Diseases by ELISA;** Training workshop. National Research Center, Cairo, Egypt. 28th Feb. – 4th March 2010.
- 18- **Highly Pathogenic Avian Influenza Epidemiology Training Workshop. Colorado State University.** At the Desert Development Center, AUC, Nubarya, Egypt. March 23rd – 28th, 2008.

Research Projects:

- 1- A researcher in the project: “Mycotoxicosis, the Natural Potent and Immunosuppressive Carcinogen of Veterinary and Public Health Concern”, (2018-2020); funded by Cairo University, Egypt.
- 2- A researcher in the project: “Epidemiological Studies on Isopod infestation among marine fishes in Egypt with preliminary control and prevention trials”, (2017-2019), funded by Cairo University, Egypt.

Associations memberships:

- Member of Egyptian Society for Animal Management.

Thesis supervision:

Participate in supervision of the following thesis from research planning to the implementation of the scientific scheme, for the post graduate students:

Name	Degree	Specialization	Subject of research
Abd Elrahman M. Gamal	Ph.D.	Animal, Poultry and Environment Hygiene	Evaluation of The Virucidal Ability of Some Disinfectants Against Locally Isolated Avian Viruses in Egypt
Ragia Sobhy Mohamed	Master	Animal, Poultry and Environment Hygiene	Role of Biosecurity in Reducing risk of Newcastle Diseases
Fady Samir Shaker	Master	Animal, Poultry and Environment Hygiene	Survival of Newcastle in poultry farm environment
Hossam Eldeen Mostafa	Master	Animal, Poultry and Environment Hygiene	Hygienic studies on biofilm in drinking water systems of layer chicken farms
Waleed Mohamed Saad-Eldin	Master	Animal, Poultry and Environment Hygiene	Evaluation and implication of cleaning and disinfection program used in broiler farm

E-learning activities: *completed several self e-learning activities, from them:*

- 1- Completed the online course: **“Extinctions: Past and Present”**; Explore the five mass extinctions of the past; and the threat of a “sixth extinction” today. Presented by University of Cape Town, South Africa.
(<https://www.futurelearn.com/courses/extinctions-past-present>)
- 2- Completed the online course: **“Our Changing Climate: Past, Present and Future”**; presented by *Walker Institute, University of Reading, UK*, started 9 Nov. 2015.
(<https://www.futurelearn.com/courses/our-changing-climate/2>).

Publications:

Published 28 research articles since 2009 till present in variance national and international journals. Get an h-index = 5 (Scopus), and 5 (Google Scholar). Get i10-index= 3 (Google Scholar). Get a total of 90 citations.

Published research papers:

- Aboelseoud H., **Ismael E.**, Moustafa G.Z., Badawy E.M. (2021). Hygienic studies on biofilms in drinking water systems in poultry farms: isolation, molecular identification, and antibiotic sensitivity. *J. Anim. Health Prod.* 9(4): 443-454. <http://dx.doi.org/10.17582/journal.jahp/2021/9.4.443.454>
- Khalefa, H. S., Abdel-Moneam, D. A., **Ismael, E.**, Waziry, M. F. F., Ali, M. S. G., & Zaki, M. M. (2021). The effect of alterations in water quality parameters on the occurrence of bacterial diseases in different aquatic environments. *Adv. Anim. Vet. Sci*, 9(12), 2084-2094.
- Salem, H. M., **Ismael, E.**, & Shaalan, M. (2021). Evaluation of the Effects of Silver Nanoparticles Against Experimentally Induced Necrotic Enteritis in Broiler Chickens. *International Journal of Nanomedicine*, 16, 6783.
- Fahim, K. M., Khalf, M. A. M., Nader, S. M., & **Ismael, E.** (2021). Impacts of housing and storage environments on physical quality and the potential public health risks of chicken table eggs. *Adv. Anim. Vet. Sci*, 9(8), 1176-1189.
- Elhelw, R., Elhariri, M., Hamza, D., Abuowarda, M., **Ismael, E.**, & Farag, H. (2021). Evidence of the presence of *Borrelia burgdorferi* in dogs and associated ticks in Egypt. *BMC Veterinary Research*, 17(1), 1-9.
- Abuowarda, M., AbuBakr, H. O., **Ismael, E.**, Shaalan, M., Mohamed, M. A., & Aljuaydi, S. H. (2021). Epidemiological and genetic characteristics of asymptomatic canine leishmaniasis and implications for human *Leishmania* infections in Egypt. *Zoonoses and Public Health*.
- Ismael, E.** & Ismail, E. M. (2021). Effectiveness of Sodium bisulfate and Calcium carbonate litter amendments on the Microbial load of Broiler Built-up Litter. *SVU-International Journal of Veterinary Sciences*, 4(2), 1-10.
- Zaki, A. A., Attia, M. M., **Ismael, E.**, & Mahdy, O. A. (2021). Prevalence, genetic, and biochemical evaluation of immune response of police dogs infected with *Babesia vogeli*. *Veterinary World*, 14(4), 903.
- El-Nabarawy AM, **Ismael E.**, Shaaban KhA, El Basuni SS, Batikh MM and Shakal M (2020). Mycotoxin Contamination Levels in Broiler Feeds and Aflatoxin Residues in Broiler Tissues. *J. World Poult. Res.*, 10 (2S): 133-144. DOI: <https://dx.doi.org/10.36380/jwpr.2020.18>
- Attia, M. M., Farag, H. S., Abdel-Saeed, H., & **Ismael, E.** (2020). Advanced immunological studies on *Cephalopina* titillator with special references to the epidemiological uses of Dot-ELISA in camel sera. *Journal of Parasitic Diseases*, 1-9.

- Hamza, D., Dorgham, S., **Ismael, E.**, Abd El-Moez, S. I., Elhariri, M., Elhelw, R., & Hamza, E. (2020). Emergence of β -lactamase-and carbapenemase-producing Enterobacteriaceae at integrated fish farms. *Antimicrobial Resistance & Infection Control*, 9(1), 1-12.
- Attia, M.M., El-Gameel, S.M. & **Ismael, E** (2020). Evaluation of tumor necrosis factor-alpha (TNF- α); gamma interferon (IFN- γ) genes and oxidative stress in sheep: immunological responses induced by *Oestrus ovis* (Diptera: Oestridae) infestation. *J Parasit Dis*. <https://doi.org/10.1007/s12639-020-01220-w>
- Karima M Fahim, **Elshaimaa Ismael**, Hanan S Khalefa, Heba S Farag & Dalia A Hamza (2019) Isolation and characterization of *E.coli* strains causing intramammary infections from dairy animals and wild birds, *International Journal of Veterinary Science and Medicine*, 7:1, 61-70, DOI: 10.1080/23144599.2019.1691378
- Mohamed, R.S., R.F.E. Naggar, M.M. Hamoud, M.M. Hamoud, A.M. Gamal, S.E. Laban, S.A.E. Nasr, M.M. Zaki, **E. Ismael** and O.K. Zahran (2018). Evaluation of moisture percentage and pH scale in relation to survivability of vaccine escape mutant newcastle disease virus genotype vii in poultry manure. *Hosts and Viruses*, 5(6): 72-80.
- Samir, F., R.F.E. Naggar, M.M. Hamoud, M.M. Zaki, A.M. Gamal, S.E. Laban, S.A.E. Nasr, **E. Ismael** and O.K. Zahran (2018). Persistence of newcastle disease virus genotype ii and shedded genotype vii in poultry farm environment. *Hosts and Viruses*, 5(6): 81-90.
- Marwa M. Attia; **Elshaimaa Ismael**; Nagla M.K. Salaeh (2019): A sensitive serodiagnostic tool for the detection of active infection of zoonotic visceral and nasopharyngeal linguatulosis. *Veterinary World*. 12(6), 883.
- Elshaimaa Ismael**, Mona Kadry and Dalia Hamza (2019): The Occurrence of *Clostridium difficile* in Different Animal Species in Egypt. *Inter J Vet Sci*, 8(3): 138-142.
- Nisreen E. Mahmoud, Magdy M. Fahmy, Mai M. Abuowarda, Manal M. Zaki, Eman M. Ismail, and **Elshaimaa S. Ismael** (2019): Mediterranean Sea Fry; A Source of Isopod Infestation Problem in Egypt With Reference to The Effect of Salinity and Temperature on The Survival of *Livoneca Redmanii* (Isopoda: Cymothoidae) Juvenile Stages. *J. Egypt. Soc. Parasitol. (JESP)*, 49(1), 2019: 235 – 242.
- Dalia Hamza, Sohad M. Dorgham, Mahmoud Elhariri, Rehab Elhelw, **Elshaimaa Ismael** (2018): New insight of apparently healthy animals as a potential reservoir for *Clostridium perfringens*: a public health implication. *J Vet Res*. 62: 457-462.
- Gamal, A. M., Rohaim, M. A., Helal, A. M., Hamoud, M. M., Zaki, M. M., **Ismael, E.**, ... & Elagrab, H. M. (2018). Evaluation of the viricidal efficacy of commercially used disinfectants against Newcastle disease virus. *Bioscience Research*, 15(4), 3283-3292.
- Rohaim, M. A.; El-Naggar, R. F.; Hamoud, M. M.; Nasr, S. A.; **Ismael, E.**; Laban, S. E.; Ahmed, H. A. and Munir, M. (2016): Re-Emergence of a Novel H5N1 Avian Influenza Virus Variant Subclade 2.2.1.1 in Egypt During 2014. *Transbound Emerg Dis*. 2016 Jan 22. doi: 10.1111/tbed.12472.

Rohaim, M.A., R. F. El-Naggar, A. M. Gamal, **E. Ismael**, M. M. Hamoud, S. T. Moubarak, A. M. Metwally, M. M. Zaki, S. A. E. Nasr, S. Elsaid, M. M. Ali, H. A. Hussein and O. K. Zahran. (2015): Efficacy of disinfectants against Egyptian H5N1 avian influenza virus. *British Journal of Virology*, 2(5): 80-87.

Ismael, E.; Zaki, M. M.; Hamoud M. M.; Metwally, A.; Gamal, A. M.; Rohaim, M. A.; Badawy, M. F.; and Zahran, O. M. (2015): Conference Paper: "Evaluation of different antigens used in sero-surveillance of Avian Influenza H5N1". The XIXth Congress of WVPA, Cape Town, South Africa; 09/2015.

Gamal, A. M.; **Ismael, E.**; Moubarak, S. T.; Hussein, H. A.; Hamoud M. M.; Zaki, M. M.; Metwally, A. and Zahran, O. M. (2015): Conference Paper: "Virucidal Activity of Some Disinfectants, Clutching and Detergent Agents Used In Egyptian Poultry Industry Against Two Locally Isolated HPAI Circulating In Egypt". The XIXth Congress of WVPA, Cape Town, South Africa; 09/2015.

Ismael E, Hamod MM, Badawy MF, Zaki MM, Samaha HA, Elagrab HM, Moubarak ST, Zahran OK. Effect of Infectious Bursal Disease Field Vaccines on Avian Influenza Vaccination Immunity. *AJVS*. 2014; 43(1): 33-36. doi:10.5455/ajvs.162984

Gamal AM, Samaha HA, Elagrab HM, **Ismael E**, Nasr AE, Moubarak ST, Hussein HA, Zahran ZM. Inactivation of Avian Influenza Virus Using Commercial Chemical Disinfectants in Small Scale Poultry Production. *AJVS*. 2014; 41(1): 102-108. doi:10.5455/ajvs.154692

Ismael E, Hamod MM, Gamal AEM, Badawy MF, Zaki MM, Nasr SA, Samaha HA, Elagrab HM, Moubarak ST, Zahran OK. Epidemiological Study on the Impact of Vaccination Programs on Antigenic Relatedness, Genetic Characterization of Highly pathogenic Avian Influenza H5N1. *AJVS*. 2014; 42(1): 64-73. doi:10.5455/ajvs.162985

Osama Kamel Zahran, Mohga Fouad Badawy, Gehan Moustafa Zakaria, **Elshaimaa Ismael Sayed**. Effect of different housing systems and route of vaccination on the immune response of birds against avian influenza vaccine. *Veterinary Medical Journal*. 11/2009; 57(4):757-767.

Experience:

1. **Assistant professor** from August 2019 till present; at the Dept. of Veterinary Hygiene and Management at Faculty of Vet. Med. - Cairo Univ.
2. Made **five real-world python projects** in 2020/2021.
3. A member in quality control and accreditation unit in the faculty.
4. **Gave 11 training courses of "Biostatistics" to postgraduate students in Faculty of Vet. Med., Cairo Univ., June 2015, October 2015, May 2016, October 2016, March 2017, August 2017, November 2017, May 2018, November 2018, April 2019, and October 2020.**
5. **Lecturer** from August 2014 till 2019; at the Dept. of Veterinary Hygiene and

Management at Faculty of Vet. Med. - Cairo Univ.

6. **Assistant lecturer** from April 2009 till 2014
7. **Instructor** from June 2006 till March 2009.
8. **Attended the active surveillance against Avian Influenza with the General Organization of Veterinary Services (GOVS) - Egypt; May 2008.**
9. **Poultry clinic of the Dept. of Poultry and Rabbit Diseases at Faculty of Vet. Med. - Cairo Univ. for 4 months; (Oct. – Feb. 2006)**
10. **Brook Hospital for Equines- Abo El-Rish: For 2 weeks. 2005.**

Computer skills

- Programming languages: Python and R.
- Excellent Microsoft office (Word, Power Point, Excel).
- ICDL certificate.

Biostatistical skills

- Professional in SPSS.
- Good at Python and R- programming languages.
- Skilled in GIS.

Language Skills:

- **Arabic:** Mother Tongue.
- **English:** very good (reading, writing), intermediate (listening, speaking) – IELTS = 6.5 (Feb. 2015)
- **Spanish:** Beginner

Activities:

Charity work → in 2 non-governmental organizations:

- **Resala** organization: 2006 - 2009
Help campaigns to poor areas inside and outside Cairo. Veterinary charity campaigns.
- **Life Makers Organization:** 2011 - 2013

Smart Vets Family in the Faculty of Veterinary Medicine- Cairo Univ.: 2007 – 2009

Personal Data:

- **Date of birth:** 3/9/1983
- **Marital status:** Single

References Available Upon Request