



Faculty of Veterinary Medicine



Cairo University

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Date and place of birth: 16/4/1986, Giza, Egypt.

Degree: PhD.

Specialty: Food Hygiene and Control (Milk and dairy products).

Educational Qualifications

- Doctor of Philosophy – **PhD** (2013 – 2016), faculty of vet, med. Cairo Univ.
- Master's degree – **MVSc.** (2010 – 2012), faculty of vet, med. Cairo Univ.
- **Bachelor** of veterinary medicine (2003 – 2008), faculty of vet. medicine, Cairo university.

Academic Positions

- **2016-present: Lecturer**, milk hygiene and control, dept. of food hygiene and control, Fac. of Vet. Med., Cairo University.
- **2012-2016: Assistant lecturer**, milk hygiene and control, dept. of food hygiene and control, Fac. of Vet. Med., Cairo University.
- **2009-2012: Demonstrator**, milk hygiene and control, dept. of food hygiene and control, Fac. of Vet. Med., Cairo University.

Research interest

General: Food hygiene, Safety, Food microbiology, Cleaning and sanitation and Food safety management systems.

Specific research field/s:

- Dairy hygiene and control.
- Food microbiology.
- Food safety hazards
- Safety of milk and different dairy products.
- Safety of eggs.
- Food safety Management systems (FSMS), HACCP, GMPs, ISO, FSSC.

List of Scientific Publications

- Fahim KM, Khalf MAM, Nader SM, 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.
<http://dx.doi.org/10.17582/journal.aavs/2021/9.8.1176.1189>.

- Mehany E-SN, El-Shafaie MA, Fahim KM, Sallam SS, 2021. Relationship between somatic cell count and different microbial and chemical quality parameters of bulk tank milk. *Adv. Anim. Vet. Sci.* 9(10): 1660-1668.
<http://dx.doi.org/10.17582/journal.aavs/2021/9.10.1660.1668>.
- Ahmed LI, Ibrahim N, Abdel-Salam AB, Fahim KM, 2021. Potential Application of Ginger, Clove and Thyme Essential Oils to Improve Soft Cheese Microbial Safety and Sensory Characteristics, *Food Bioscience*, 42 (2021) 101177.
<https://doi.org/10.1016/j.fbio.2021.101177>.
- GadAllah HA, Abou Zied MA, Fahim MK. Risk Profile of Some Food Safety Hazards Associated with Ice-cream Sold in Egypt, *International Journal of Dairy Science*, 15 (2020) 123-133.
<https://doi.org/10.3923/ijds.2020.123.133>.
- Fahim KM, Ghoneim RSH, Morgan SD, Abdel Aal AA. "Survival of shigatoxigenic and nontoxigenic strains of *Escherichia coli* during preparation and storage of traditional and acidophilus yogurt". ICBESA-2020, The 3rd International Conference on Biological and Environmental Sciences & Applications, Aswan, Egypt, Feb. 6 - 8, 2020.
- Karima M. Fahim, Elshimaa Ismael, Hana S. Khalefa, Heba S. Farag and 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, 2019. 7:1, 61-70.

<https://doi.org/10.1080/23144599.2019.1691378>.

- Abd El-Razk EM, Hafez RS, Morgan SD, Fahim KM, Ahmed LI. Staphylococci as An Etiological Agent of Subclinical Mastitis. Journal of Egyptian veterinary medicine Association, 79 (1), 139 – 153 (2019).
- Lamiaa I. Ahmed and Karima M. Fahim, 2018. “Incidence of Subclinical Mastitis with Special Reference to Lactate Dehydrogenase (LDH) Enzyme as a Biomarker”, International Journal of Dairy Science 13 (1): 30-39.
<https://doi.org/10.3923/ijds.2018.30.39>.
- Fahim KM, Ghoneim RSH, Morgan SD, Abdel Aal AA. 2016. "FATE OF SHIGATOXIGENIC AND NON-TOXIGENIC STRAINS OF ESCHERICHIA COLI IN RAW, PASTEURIZED AND BOILED MILK STORED AT DIFFERENT TEMPERATURES", Journal of Egyptian veterinary medicine Association, vol. 75, issue 2, pp. 199 – 208, 2016.
- Fahim KM, Ghoneim RSH, Morgan SD, Abdel Aal AA, 2016. "PREVALENCE OF SHIGA TOXIN PRODUCING ESCHERICHIA COLI (STEC) IN MILK AND SOME DAIRY PRODUCTS", Journal of Egyptian veterinary medicine Association, vol. 76, issue 2, pp. 209 - 225, 2016.

- Fahim KM, Ghoneim RSH, Morgan SD, Abdel Aal AA, Shiga toxin producing Escherichia coli in milk and some dairy products. Giza, Cairo University, **2016. PhD thesis.**
- Ahmed, KMF, Hafez RS, Morgan SD, and Awad AA, **2015.** "Detection of some chemical hazards in milk and some dairy products", African journal of food science, vol. 9, issue 4, pp. 187-193, 2015.
<https://doi.org/10.5897/AJFS2014.1233>.
- Fahim KM, Ghoneim RSH, Morgan SD, Abdel Aal AA., Detection of some food safety hazards in milk and some dairy products, Giza, Cairo University, **2012. M.V.Sc. thesis.**

Research Projects:

- Reducing antibiotic resistance using a novel machine learning algorithm for selective dry-cow treatment in dairy cows, STDF, Egypt, 2020.

Scientific activities:

Professional Memberships

- Membership of the Egyptian Association for food control and consumer protection.
- Membership of the Egyptian Association for food industries and nutrition.
- Teaching of food hygiene, dairy microbiology, analysis and technology courses for undergraduate and postgraduate students (Credit hours system) in Cairo University.
- Sharing in student practical books preparation.

- **2016-present:** Participation as a trainer in many workshops which held by the regional center for food safety and control (Robert von ostertag service lab.) Faculty of veterinary medicine, Cairo University, in addition, sharing in the chemical and microbiological analysis of the food samples.

- **2018- present:** Supervision of the restaurant of Cairo University Staff Club.

- Participation as a trainer in many workshops which held by the regional center for food safety and control (Robert von ostertag service lab.) Faculty of veterinary medicine, Cairo University.

- Participation as a member at “The Quality Assurance Unit” and sharing in the accreditation of the faculty of Vet. Med.

- Attendance of many workshops held by “Quality Assurance Unit” of Cairo univ. and that held by “Quality Assurance Unit” of faculty of vet. med., Cairo univ. during the period from 2016-2018.

- Supervision of many Masters and PHD theses.

- Scientific conferences:

- (Feb. 2020) ICBESA-2020, The 3rd International Conference on Biological and Environmental Sciences & Applications, Aswan, Egypt,
- (Sep. 2018) The 7th international conference of food industries and nutrition research division “the scientific research and industry in the service of food and nutrition” National Research Center.

- (Sep. 2017) What's new in food safety conference, Saudi German Hospital Cairo, Egypt.
- (Oct. 2011) The 4th Scientific Conference of Animal Wealth Research in the middle East and North Africa, The Egyptian International Center For Agriculture (EICA), Egypt.

Workshops

- **(July, 2018)** Participation in The Global classroom: Risk Based Approach To Ensure Global Food Safety And Security (**Collaboration between the university of Maryland, USA and Cairo University**).

- Attendance of many workshops held by Cairo University Center for Quality Assurance of Education "CUCQAE":

- **2018** - Questions bank.
 - Quality Management and Development.
- **2017** - preparing the strategic plan for higher education institutions

- Course specification, Quality Assurance Unit, Fac. of Vet. Med., Cairo Univ., 2015.

- Rapid and accurate diagnosis of diseases by ELISA, Training and Capabilities Development Center, National Research Center, 2010.

- Attendance of many workshops held by Faculty and Leadership Development Center "FLDC", Cairo University:

- **2015** - Preparing Competitive Research Projects.

- Organizing Scientific Conferences.
- **2014** -Time Management and meetings.
 - Ethics of scientific research.
 - Management of the research team.
- **2013** -Financial and legal aspects of university work.
- **2011** - Student Evaluation.
 - International publishing of Research.
 - Quality Standards in Teaching.
- **2010** - Effective presentation.
 - Use of Technology in teaching.
 - Recent trends in Teaching.
- **2009** - Effective Teaching.

Computer Skills

- ICDL (Windows, Word, Excel, Access, Power point, Internet and IT).
- EXCEL course (Excellent grade) AL Ahram Management and computer Center “AMAC”, 2012.
- “SPSS statics applications” Cairo University Center for Quality Assurance of Education “CUCQAE”, 2017.

Language Skills

- Fluent English speaking, very good writing and listening skills.
- “TOEFL” with grade (600), Center for foreign Language and Professional Translation C.L.T., Cairo Univ., 2010.