

Alaa Abdou Helmy Abd Algwad

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Academic qualifications

- **October 2019, PhD** of Veterinary Medical Sciences specializing in Hygiene and control of milk and milk products, Faculty of Veterinary Medicine, Suez Canal University in Egypt, in collaboration with Pisa University in Italy.
- **March 2015, Master** of Veterinary Medical Sciences specializing in Hygiene and control of milk and milk products, Faculty of Veterinary Medicine, Suez Canal University, Egypt.
- **July 2012, Bachelor** of Veterinary Medical Sciences of Veterinary Medical Sciences (Very good grade with degree of honor), Faculty of Veterinary Medicine, Suez Canal University, Egypt.
- High school education was in Egypt while junior school education was in United Arab Emirates.

Academic positions

- **December 2019 until current, Lecturer** at the Food Hygiene and Control department, Faculty of Veterinary Medicine, Suez Canal University, Egypt.
- **April 2015 - December 2019, Assistant lecturer** at the Department of Food Hygiene and Control, Faculty of Veterinary Medicine, Suez Canal University, Egypt.
- **January 2013 - April 2015, Demonstrator** at the department of Food Hygiene and Control, Faculty of Veterinary Medicine, Suez Canal University.

Academic experiences

- **January 2020 until now**, teaching the theoretical lectures of Hygiene and Control of Milk and Milk Products, Edible Fats and Oil and Table Egg syllabus for undergraduate students, Faculty of Veterinary Medicine, Suez Canal University.
- **January 2020 until now**, teaching a specific course for the Diploma of Food Hygiene, Safety and Technology entitled “Milk technology and preservation” and a specific course for the Master’s degree and PhD degree in Hygiene of Milk, Milk products, Edible fats and oils and Edible eggs entitled “Dairy technology and preservation”, Faculty of Veterinary Medicine, Suez Canal University.

- **January 2013- May 2021**, teaching the practical courses of Hygiene and Control of Milk and Milk Products, Edible Fats & Oil and Table Egg syllabus for undergraduate students at Faculty of Veterinary Medicine, Suez Canal University.

Extracurricular experiences

- Certified Facilitating Career Development NCDA (120 hours training program) from the University Centers for Career Development (UCCD) at the American University in Cairo (AUC), **2024**.
- Certified professional trainer from the American Chamber in Egypt, **October 2023**.
- Senior career development specialist at the University Centers for Career Development (UCCD) at Suez Canal University in collaboration with the American University in Cairo (AUC), **August 2023 until now**
- Director of the Graduate Unit at the Faculty of Veterinary Medicine from the Academic year **2022 till now**
- The International Student Coordinator at the Faculty of Veterinary Medicine from the Academic year **2022 till now**.
- The general student activities coordinator at the Faculty of Veterinary Medicine, Suez Canal University from **2021 until now**.
- Responsible for the Committee for Supporting Struggling Students in the Student Academic Support Unit from **2021 until now**.
- Member of the lab biosafety committee at the Faculty of Veterinary Medicine during the Academic year **2021 until now**
- Responsible for the Student Alliance "Students for Egypt" at the Faculty of Veterinary Medicine during the Academic year **2021- 2022**

Extracurricular activities

- Reviewer at the session of the microbiology, virology and milk quality at the 5th postgraduate conference of the Faculty of Veterinary Medicine held in the Suez Canal University on 25th October 2023
- Organizer and presenter of the graduation ceremony at the Academic year 2022- 2023
- Organizer of the 5th Annual Student Research Conference "The Reality and Challenges of Sustainable Development – Egypt's Vision 2030" held in the Suez Canal University on 2nd May 2023.
- Academic supervisor in the student exchange program within the agreement between **Tuskegee University** and Suez Canal University on 4th -12th March 2023

- Organizer of the 9th student's scientific conference held in the Faculty of Veterinary Medicine, Suez Canal University on 21th March 2023
- Organizer and presenter of the graduation ceremony at the Academic year 2021- 2022
- Reviewer and organizer at the 8th student's scientific conference held in the Faculty of Veterinary Medicine, Suez Canal University on 9th March 2022
- Trainer in Biosafety training course entitled "Academic Laboratory Chemical and Biological Safety and Biosafety" held as online program, Faculty of Veterinary Medicine, Suez Canal University 18th – 21st October 2020.
- Trainer in Biosafety training course entitled "Biosafety Cabinets and Personal Protective Equipment" held in the central lab, Faculty of Veterinary Medicine, Suez Canal University 15- 18th September 2019.
- Organizer the 2nd International Conference of Food Safety, Suez Canal University, Faculty of Veterinary Medicine, Egypt (August 19th, 2015)
- Participating in quality assurance and accreditation projects in the Faculty of Veterinary Medicine, Suez Canal University from January 2013 until now.

Awards

- **The 3rd position best applicable thesis** in the basic sciences at Suez Canal University on 28th December, 2020
- The **third position** in a poster presentation of Ph.D. thesis entitled "Biocontrol of some pathogenic and spoilage microorganisms in some dairy products" at the 2nd postgraduate scientific conference "Scientific Research: Excellence, Creation, and Application" held in the Faculty of Veterinary Medicine, Suez Canal University on February 23rd, 2020.
- The **best research** in the scientific session of forensic sciences and food control entitled " Bioprotective Activity Of *Lactobacillus Plantarum* On Some Foodborne Pathogen And Spoilage Bacteria In White Soft Cheese" in the activities of the 18th scientific conference held in the Faculty of Veterinary Medicine, Assuit University on 5-7 November, 2019

Languages

Arabic: Native language: excellent speaking and writing

English: very good at speaking reading and writing

Italian: level A1

French: basic level

Publications

- Virulence traits, agr typing, multidrug resistance patterns, and biofilm ability of MDR *Staphylococcus aureus* recovered from clinical and subclinical mastitis in dairy cows. Nada H. Eidaroos, Abdelazeem M. Algammal, Walaa Ismail Mohamaden, Asma Massad Alenzi, Saad Alghamdi, Ahmed Kabrah, Heba Sayed El-Mahallawy, Hamza M. Eid, **Alaa Abd Algwad**, Samar Ali Asfor, Heinrich Neubauer, Amira A. Moawad and Reham M. El-Tarabili. BMC Microbiology (2025) 25:155. doi.org/10.1186/s12866-025-03870-3
- Studies On Some Heavy Metals and Ivermectin Residues in Raw Milk. Wafaa D. Eldomiatty ; Ahmed Hassan Saad; jehan ismael ibrahem; **Alaa Abdou Abdel Gwad**; Ashraf Taha Hamouda. Suez Canal Veterinary Medical Journal. SCVMJ, (), pp. 1-12. doi: 10.21608/scvmj.2025.358630.1190.
- The Role of Thyme and Clove Essential Oils Nanoemulsions in Quality Improvement of Soft Cheese. **Alaa Abd El Gwad**, Sara A. Mohammed, Samah M. El-Sayed, Emam Hussien Abdel-Hakim. Suez Canal Veterinary Medical Journal. SCVMJ, (), pp. -. doi: 10.21608/scvmj.2024.333642.1186
- Antibiotic Resistant Genes in Some Pathogenic Bacteria and Its Correlation with Safety of Milk and Dairy Products. Shaimaa M. Tony, Enas farag, Mohamed A. Elkady, Huda Elsayed, May Fathy Abdelaty Ahmed Sarah Abd-Elmohsen Abou-Alella and **Alaa Abd Algwad**. Egypt. J. Vet. Sci., pp. 1-16
- Fatty Acid Analysis of Soft Cheese Using Gas Chromatography as A Prospective Method for the Detection of Cheese Adulterations with Vegetable Oil. Ahmed H. Saad, Ehab Salama, Mariam Y. Sweedy, **Alaa Abd Algwad** (2023). Journal of Advanced Veterinary Research. Volume 13, Issue 6, 1011-1016
- Ahmed H. Saad, Hassan Maarof, Tasneem Gab-Allah, **Alaa Abd Algwad** (2023). HPLC- Ms/Ms-based Estimation of Oxytetracycline, Ciprofloxacin and Gentamicin Residues and Assessment of the Effect of Boiling and Frying on their Reduction in Table Eggs. Journal of Advanced Veterinary Research. Volume 13, Issue 3, 540-544
- Ahmed Saad, Ehab Salama, Amany Eldomiaty and **Alaa Abd Algwad** (2021). Quantitative Studies on Aflatoxin M1 Residues in Milk and Some Dairy Products. Suez Canal Veterinary Medical Journal (SCVMJ), Article 17, Volume 26, Issue 2, December 2021, Page 493-3
- Filippo Fratini, Simone Mancini, Barbara Turchi, Daniele Sparagni, **Alaa Abd Al-Gwad**, Basma Najar, Luisa Pistelli, Domenico Cerri Francesca Pedonese (2019). Antimicrobial activity of three essential oils (cinnamon, manuka, and winter savory), and their synergic interaction, against *Listeria monocytogenes*. Flavour Fragrance Journal (2019) volum 34, page: 339–348. wileyonlinelibrary.com/journal. DOI: 10.1002/ffj.3514
- Ahmed H. Saad, Omar El. Kosi, Ehab Salama, Jehan Ismail, Mohamed Y. Abouelwafa, **Alaa Abd AlGwad**, Filippo Fratini and Francesca Pedonese (2019). Organoleptic,

Microbiological, and Sanitary Evaluation of White Soft Cheese Biopreserved By Oregano Essential Oil. 18th Sci. Cong. 2019, Fac. Vet. Med., Assiut Univ., Egypt.

- Ahmed H. Saad, Omar El. Kosi, Ehab Salama, Jehan Ismail, Mohamed Y. Abouelwafa, **Alaa Abd AlGwad**, Filippo Fratini and Francesca Pedonese (2019). Bioprotective Activity Of *Lactobacillus Plantarum* On Some Foodborne Pathogen And Spoilage Bacteria In White Soft Cheese. 18th Sci. Cong. 2019, Fac. Vet. Med., Assiut Univ., Egypt
- Ibrahim, J.I; Salama, E.; Saad, A.; **Helmy, A.A.** (2015). Microbial Quality of Some Dairy Products in Ismailia City. 2nd international Conference of Food Safety, Suez Canal University, Faculty of Veterinary Medicine, Vol.1, Aug 2015. Page 14-20

Thesis Supervision

- Quality evaluation of table egg from Ismailia market for antibiotic residues, 2023.
- Quality of Soft Cheese of Vegetable Fat Origin, 2023.
- Antimicrobial properties of some bioactive compounds and their uses in some dairy products, 2022.

Conferences

- The 6th Conference of Food Safety, Faculty of Veterinary Medicine, Zagazeg University, at May 3rd, 2023.
- The 10th Young Researchers Conference "Horizons of Scientific Research and the New Republic" held in Suez Canal University on March 6-7th, 2023
- The First Conference for Applied Research: Climate Change in the Veterinary Field "Challenges and Solutions" held in the Faculty of Veterinary Medicine, Suez Canal University on December 14th, 2022
- Participated in the oral session of the 2nd postgraduate scientific conference “scientific research: excellence, creation and application” held in Faculty of Vet. Medicine, Suez Canal Univ., Egypt (February 23, 2020).
- Attended and publishing two scientific papers at the 18th Scientific Conference at the Faculty of Veterinary Medicine at Assiut University (November 5-7th, 2019).
- 3rd International Conference of Food Safety, Faculty of Veterinary Medicine, Damanhour University, Egypt (October 10th, 2016).
- Attended and publishing a scientific paper at the 2nd International Conference of Food Safety, Suez Canal University, Faculty of Veterinary Medicine, Egypt (August 19th, 2015).

Training courses

- Advanced Microsoft Word workshop, information communication technology center (ICTC), Human Resources Development Center, Suez Canal University at 10-11, June 2020.
- Elsevier Research & Health Solutions - EKB Tour at Suez Canal University (19th November, 2019).
- Governmental Educational Laboratories Improvement in Biosafety and Biosecurity, organized by training, educational and consultant center, Animal health research institute at the period 16th to 19th July 2019. Certificate I.D. : 1907A25
- Web of Science and EndNote Online, at Suez Canal University (April 7th, 2019).
- Arab Impact Factor, at Suez Canal University (April 7th, 2019).
- How to write Scientific Poster Lecture, organized by Young Researchers Committee at Suez Canal University (3rd of March, 2019).
- A workshop about patent, organized by TICO at Suez Canal University (2019).
- How to write a Summary Paper, organized by Young Researchers Committee at Suez Canal University (November 28th, 2018).
- How to Avoid the Plagiarism, organized by Young Researchers Committee at Suez Canal University, November 14th, 2018.
- Mendeley: your guide to citation and referencing Lecture, organized by Young Researchers Committee at Suez Canal University, November 5th 2018.
- Endnote Web workshop, organized by Young Researchers Committee at Suez Canal University, 29th October 2018.
- “The Holistic Waste Management” organized by Suez Canal University in collaboration with the **United Nations Environment Programme – International Environmental Technology Center (IETC)**, 29th September - 11th November 2018.
- CellPress journals awareness workshop, Faculty of Pharmacy, Suez Canal University, September 12th, 2018.
- Management of the research team Faculty and Leadership Development Project (FLDP), University Education Development Center, SCU, Egypt, August 15-16th, 2018).
- Attended a mobility program at University of **Pisa, Italy**; in the framework of the Erasmus+, 28 September 2017 - 26 March 2018.
- The basics of quality in the educational process, Faculty and Leadership Development Project (FLDP), University Education Development Center, SCU, Egypt (August 29-30th, 2017).

- Attended the 9th Staff training week (partner countries) organized by Granada University within the frame work of the Erasmus+ program at **Granada University, Spain** at the period from 17th to 21th of July 2017.
- Supervised an undergraduate review presentation in the 4th academic conference held in Faculty of Vet. Medicine, Suez Canal Univ., Egypt (2017).
- Theoretical and practical training of loop-mediated isothermal amplification (LAMP) for pathogens detection, central Lab., Fac. of Vet. Med., Suez Canal Univ. in **collaboration with National Institute of Infectious Disease, Tokyo, Japan** (May 15th, 2017).
- 3rd Biorisk Management in Health Care Units, Training Center For Public Health and Safety, Faculty of Medicine, Suez Canal Univ., Egypt (21-22 February, 2017).
- An online course entitled "The Science of Nutrition" certified by The Open University (February 19th, 2017), the course provided by the **Future Learn Company, England**
- Scientific conferences organization a workshop, Faculty and Leadership Development Project (FLDP), University Education Development Center, SCU, Egypt (February 8th, 2017).
- SPSS workshop, Faculty and Leadership Development Project (FLDP), University Education Development Center, SCU, Egypt (January 2017).
- Introduction to R workshop, central Lab., Fac. of Vet. Med., Suez Canal Univ. (October 30, 2016).
- International scientific publication workshop, Faculty and Leadership Development Project (FLDP), University Education Development Center, SCU, Egypt (August, 2016).
- Strategic planning workshop, Faculty and Leadership Development Project (FLDP), University Education Development Center, SCU, Egypt (August 2016).
- Faculty Staff Preparation Workshop. The workshop included Effective Teaching, Teaching using Advanced Technology and Micro-teaching Program. Faculty and Leadership Development Project (FLDP), University Education Development Center, SCU, Egypt (2014).
- Ethics of Scientific Researches Workshop, Faculty and Leadership Development Project (FLDP), University Education Development Center, SCU, Egypt (2014).
- A university lecturer preparation Workshop (interactive presentation, using of technology in demonstrating and the miniature education), Faculty and Leadership Development Project (FLDP), University Education Development Center, SCU, Egypt (2014).

- Concept of IT 2010 Workshop, Faculty and Leadership Development Project (FLDP), University Education Development Center, SCU, Egypt (June 2014).
- Using Computers and Managing Files training course, Information and Communication Technology Project (ICTP), University Education Development Center, SCU, Egypt (June, 2014).
- Participate at the 1st young research conference at Suez Canal University (2013).
- 1st training Workshop on Chemical Safety and Security, Community Medicine Department, Faculty of Medicine, Suez Canal University (29-30, Dec 2013).
- Attended the course of General chromatography and new technique of the HPLC (HPTLC, MS), organized by Peak Scientific Instruments and held at Faculty of Veterinary Medicine Suez Canal University (2012).
- First aid training course, Faculty of Nursing, SCU, Egypt (April 30th, 2011).
- Clinical Pharmacy and Principle of First Aid Course, Cultural Center for Human Resources and Continuous Learning, (July 14-25, 2010).
- Selling and marketing fundamentals certificate by recruitment and training committee (2010).
- 1st International Veterinary Meeting “Orientation for veterinary medicine graduates on vet work in Egypt and abroad”, Cairo University, Egypt (Dec. 4-5, 2010).

Memberships

- Egyptian General Syndicate of Veterinarians (2012), Cairo, Egypt.

References:

Prof. Dr. Filippo Fratini

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