

Marwa Abd El Moneim Mohamed Hassan

CONTACT

Professor of Animal, Poultry, Fish and Environmental Hygiene. Department of Veterinary Public Health, Faculty of Veterinary Medicine, Suez Canal University

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Central laboratory Director

2022—now

Department of Veterinary Public Health, Faculty of Medicine - Suez Canal University

2022—now

Professor

2017 — 2022

Department of Animal Hygiene and Zoonoses and Behavior Faculty of Medicine - Suez Canal University

Associate professor

Department of Animal Hygiene and Zoonoses and Behavior Faculty of Medicine - Suez Canal University

2012 —2017

Lecturer

Department of Animal Hygiene and Zoonoses and Behavior Faculty of Medicine - Suez Canal University

2008 —2012

Assistant Lecturer

Department of Animal Hygiene and Zoonoses and Behavior Faculty of Medicine - Suez Canal University

2003 —2008

Demonstrator

WORK EXPERIENCE

QUALIFICATIONS

- Participation establishment of Department of Hygiene, Zoonoses, and Animal Behavior - Faculty of Medicine - Suez Canal University.
- Teaching of animal and poultry and the environmental hygiene for bachelor students.
- Teaching of animal and poultry and the environmental hygiene and Vet. Epidemiology courses for postgraduate students.
- Teaching the practical course of animal and poultry and the environmental hygiene for the third year students - Faculty of Agriculture - Animal Production Divisions and Agricultural Division - Suez Canal University.

Computer Skills: Excellent

Language Skills: Excellent Arabic and English

Area of experience

- ✓ Animal and Poultry Health; Epidemiology; Aquaculture and Environmental Health. HPTLC techniques, Biosecurity.
- ✓ Participating as a trainer in the workshop entitled: "High Performance Thin Layer chromatography (HPTLC) and its applications" which was held on November 12th and 13th 2017 at Faculty of Veterinary Medicine - Suez Canal University.
- ✓ Participating as head organizer in the workshop entitled "Recent advanced Techniques for General Analysis and Green Technology" which held on 24 February 2020 at Faculty of Veterinary Medicine - Suez Canal University.
- ✓ Participating as a trainer in the workshop entitled: "High Performance Thin Layer chromatography (HPTLC) and its applications" which was held on December 13th and 14th 2020 at Faculty of Veterinary Medicine - Suez Canal University.
- ✓ Participation in effective teaching in programs related to strengthening the governance of biosecurity for aquaculture in Egypt through the training program of the General Authority for Fish Resources Development and the Food and Agriculture Organization of the United Nations (October to December 2021).

Administrative positions

- ✓ Board member in Animal Hygiene, Zoonosis, and Animal Behavior Department, Faculty of Veterinary Medicine, Suez Canal University, Ismailia, Egypt. Since 2012 through the present time.
- ✓ Member of the Commission Libraries Affairs, Faculty of Veterinary Medicine, Suez Canal University, Ismailia, Egypt. Since 2012 through the present time.
- ✓ Member in Quality Assurance Unit (Faculty members Standard), Faculty of Veterinary Medicine, Suez Canal University, Ismailia, Egypt. Since 2004 through the present time.
- ✓ Head of Quality and Development Management Standard, Quality Assurance Unit, Faculty of Veterinary Medicine, Suez Canal University, Ismailia, Egypt. Since 2019 through the present time.
- ✓ Member of central laboratory board in Faculty of Vet. Med. Suez canal university since 2012 till now
- ✓ Member of outreaching Committee at Suez canal university since 2017 till 2020.
- ✓ Member of the Biosecurity and Safety Committee for the Faculty of Veterinary Medicine, Suez Canal University Academic Laboratories (Biosecurity Officer for Risk Assessment) 2020-2022.
- ✓ Director of central lab, Faculty of Veterinary Medicine, Suez Canal University since April 2022 till now .

Membership:

- ✓ A Senior member (SNM1005478) at Institute of Research Engineers and Doctors (The IRED)
- ✓ A Senior member (201572) at the Asia-Pacific Chemical, Biological& Environmental Engineering Society (APCBES).
- ✓ The Egyptian Society for Environmental Sciences, Suez Canal University, Ismailia, Egypt.
- ✓ Staff Members Club of Suez Canal University.
- ✓ Syndicate of Veterinary medical doctors of Ismailia Governorate, Egypt.
- ✓ Member of Syndicate of General medical doctors, Egypt.
- ✓ Life member, Egyptian Society of Veterinary Parasitology, Ismailia, Egypt, 2019.

Conferences:

- 1) Participation in first conference Pfizer Company for student competition. At Alexandria University, Faculty of Veterinary Medicine, 2002.
- 2) Participation in the fifth scientific conference, Faculty of Veterinary Medicine - Suez Canal University-October, 2008.
- 3) Attend the first conference of the ethics of scientific research at the University of Suez Canal on May 4, 2009.
- 4) Participation in the 7th scientific conference , Faculty of Veterinary Medicine - Suez Canal University- October, 2010
- 5) Attend the scientific symposium under the title of the spread of FMD in Egypt and its impact on public health - the Suez Canal University, 25/3/2012.
- 6) Participated with oral presentation titled Effect of Some Groundwater Pollutants on Broiler Chicks `s Immune Response and Some blood

Parameters. First young researcher's conference. Suez Canal University, 6-7 march 2013, Ismailia, Egypt.

- 7) Participation in the 8th scientific conference , Faculty of Veterinary Medicine - Suez Canal University- November, 2014
- 8) Participation in sixth International Conference on "*Genetics, Biotechnology and Sustainable Development in Safe Environment*". 2-4 February 2015. Ismailia, Egypt.
- 9) Participated with oral presentation titled" Evaluation of Essential Oil Mixture Overuse on Gut Health and Some Immune Parameters in Laying Japanese Quail (*Coturnix Coturnix Japonica*)". 2015 5th International Conference on Environment and BioScience. – ICEBS 2015, Beijing, China.
- 10)Participation in the 9th scientific conference , Faculty of Veterinary Medicine - Suez Canal University- 23-26 November, 2016
- 11)Participated with poster titled Influence of Yucca shidigera Extract and or Exogenous Enzymes on Nitrogenous Compounds in Nile Tilapia Aquaculture . 1st postgraduate conference entitled "Scientific research between excellence and application" in the faculty of Veterinary Medicine, Suez Canal University Oct 30th, 2018.
- 12)Attending the 15th scientific symposium entitled" New Trend in Diagnosis and Control of Parasites" in cooperation with Egyptian Veterinary Medical Society of Parasitology and Parasitology Department. Held in Discussions Auditorium, Faculty of Veterinary Medicine - Suez Canal University, Ismailia, Egypt in April 1st ,2019.
- 13)Attending the Sixth Young Researchers conference" Science and Technology Commercialization. Suez Canal University, Ismailia, Egypt in 7-8th April ,2019.
- 14)*Contributing in poster evaluating Committee in the 2nd Postgraduate Scientific Conference "Scientific Research: Excellence, Creation and Application" held in Discussions Auditorium, Faculty of Veterinary Medicine - Suez Canal University, Ismailia, Egypt in February 23th, 2020.*
- 15)*Contributing as poster session chairman in the 3rd Postgraduate Scientific Conference "Scientific Research: Excellence, Creation and Sustainability" held in Discussions Auditorium, Faculty of Veterinary Medicine - Suez Canal University, Ismailia, Egypt in February 7th , 2021.*

Training courses and skills:

- 1) Participate in the activities of the development cycle of university libraries and the use of global databases for research, periodicals, e-books in the 24 to 25 November 2009 at the University of Suez Canal
- 2) Participate in the activities of the development cycle of university libraries and the use of global databases for research, periodicals, e-books in the 16 to 17 October 2012 at the University of Suez Canal.
- 3) Attend the course general chromatography and new technique of the HPTLC (HPTLC, MS) at 26/11/2012.
- 4) Participate in the success of a workshop held during the period from April,

- 11-13, 2013 in modern concepts in molecular biology under the title of PCR fundamentals and its applications.
- 5) Participation in training program civic education, non-violent communication, leadership development and civic engagement. June, 2013.
 - 6) Attending the training course " Internal auditor according to international standard ISO17025:2005". 11th October 2014.
 - 7) Attending the training course " Awareness and accreditation process according to international standard ISO17025:2005". 14th October 2014.
 - 8) Participating module of Working with Literature & Citations. DAAD organize Akademie. Organized by Egyptian Society for Environmental Sciences, Suez Canal University, Ismailia, Egypt. 29 of April 2015.
 - 9) Participating module of "international publishing". DAAD organize Akademie. Organized by Egyptian Society for Environmental Sciences, Suez Canal University, Ismailia, Egypt. 10th June 2015.
 - 10) Attending work shop "research ethics and misconducts". Faculty of Vet. Med., Suez Canal University. Ismailia, Egypt. 11-8-2015.
 - 11) Attended the BUCM course on "Internationalization" Suez Canal University, 11-12 October 2015.
 - 12) Participating module of How to present scientific data" ". DAAD organize Akademie. Organized by Egyptian Society for Environmental Sciences, Suez Canal University, Ismailia, Egypt. 15th December 2015.
 - 13) Completed the requirements of the " Prevention and detection of infectious zoonotic diseases in Egyptian agriculture and public health sectors". The center for Agriculture and food security and preparedness, Institute of Agriculture, the University of Tennessee. 18- 22 July 2016.
 - 14) Attending and completing the operation training course of HPTLC Scanner. Organized by Peak scientific instruments (PSI). at Faculty of Veterinary Medicine, Suez Canal University. May 2017.
 - 15) Participating workshop entitled Mendeley: your guide to citation and referencing Lecture Held in 5 November 2018 Organized by Young Researchers Committee at Suez Canal University
 - 16) Participating workshop entitled "Ethical Considerations for Care and Use of Laboratory Animals" on Tuesday, Dec 11th, 2018 in discussions auditorium, Faculty of Veterinary Medicine, Suez Canal University.
 - 17) Completing MIEH 607: Global Classroom: A Risk Based Approach to Ensure Global Food Safety and Security. This is a collaborative course among the University of Maryland, Cairo University and the Agriculture Research Center, Cairo, Egypt. May 29 to July 1st.
 - 18) Completing the training of program in the field of " Governmental Educational Laboratories Improvement in Biosafety and Biosecurity" this program fulfills the requirement of ISO21001:2018. Organized by

Training, Educational and Consultation Center, Animal Health Research Institute, from 16 to 19 July 2019. Issued in Ismailia, Egypt. Certified ID.1907A35.

- 19) Attending and passing the requirements of the strategic planning program at the Human Resources Development Center at Suez Canal University, which was held from 8 to 9 July 2020.
- 20) Completing the training of program in conducted by the international Fund for Animal Welfare and Sea Alarm (ifaw) on responding to oiled water birds and marine wildlife. 7-8 April 2021.
- 21) Attending and passing the requirements of the Endnot Program at the Human Resources Development Center at Suez Canal University, which was held from 22 to 23 December 2021.
- 22) Attending a training course entitled E-Learning Management Systems, which was held from 18 to 19 July 2022 at the Human Resources Development Center - Suez Canal University
- 23) Attending a training course entitled International Scientific Publishing, which was held from 26 to 27 July 2022 at the Human Resources Development Center - Suez Canal University

Workshops and seminars in the field of quality assurance

- 1) Information Systems and Technology and Projects Project of ICTP (14/1/2011).
- 2) Standards for quality assurance and accreditation systems (19/1/2011).
- 3) Explanation of developments in the CIQAP project (3/21/2011).
- 4) The basis of the evaluation and the extent of the benefit from the feedback to evaluate the examination paper (3/28/2011).
- 5) The use of academic standards for postgraduate studies and how to use them in writing program descriptions and decisions (4/17/2011).
- 6) Future improvement plans from the perspective of the strategic plan (13/7/2011).
- 7) Leadership and management skills (3/26/2012).
- 8) Scientific Writing and International Publication (9/4/2012).
- 9) Ethics of scientific research (2/18/2013).
- 10) How to deal with questionnaires (2/19/2014)

- 11)Scientific Writing of Theses (2/3/2014).
- 12)Internationalization in Higher Education (11/11/2015).
- 13)Evaluating the examination paper in terms of form and content
(12/27/2015).
- 14)Student satisfaction and support (29/12/2015).
- 15) Definition of academic standards (21/2/2016).
- 16)Attending a workshop entitled Balance between the target learning outcomes and the distribution of grades in the exam paper (11/12/2017) at the Faculty of Veterinary Medicine - Suez Canal University.
- 17)Attending a workshop entitled Good Exam Standards and Behavioral Actions in Written Exams (30/3/2018) at the Faculty of Veterinary Medicine - Suez Canal University.
- 18)Attending a workshop entitled Important Considerations in Description of Programs and Courses (25/12/2018) at the Faculty of Veterinary Medicine - Suez Canal University.
- 19)Attending a workshop entitled Description of Programs and Courses (4/12/2019) at the Faculty of Veterinary Medicine - Suez Canal University.
- 20)Attending a workshop entitled How to prepare multiple-choice questions (23/12/2019) at the Faculty of Veterinary Medicine - Suez Canal University.
- 21)Attending a workshop entitled Academic Standards (21/1/2020) at the Faculty of Veterinary Medicine - Suez Canal University.
- 22)Attending a workshop entitled Strategic Planning (22/1/2020) at the Faculty of Veterinary Medicine - Suez Canal University.
- 23)Attending a workshop entitled How to prepare an audio lecture (12/10/2020) at the Faculty of Veterinary Medicine - Suez Canal University.
- 24)Attending a workshop entitled How to prepare a question bank (12/10/2020) at the Faculty of Veterinary Medicine - Suez Canal University.
- 25)Attending a workshop entitled Innovative and Creative Thinking (29/11/2020) at the Faculty of Veterinary Medicine - Suez Canal University.
- 26)Attending a workshop entitled How to describe graduate studies programs and courses with credit hours (20/10/2021) at the Faculty of Veterinary Medicine - Suez Canal University.

- Thesis Title:
- M. Sc. "Prevalence of environmental mastitis in dairy farms"
- Ph. D. "Groundwater pollutants and their effects on broiler's immune system in Suez Canal area"

Publications:

1. Saleh, R.E., Sobeih, M.A., Hassan, A.M. and Marwa, A. Hassan. (2008): Seasonal Prevalence Of Coliforms In Some Dairy Farms At Ismailia Governorate. Suez Canal University Medical Journal , XIII (1) 2008.
2. Marwa, A. Hassan; Hassan, A.M.; Sobaih, M.A and Saleh, R.E.(2011): Chemical assessment of some groundwater used in poultry farms at Ismailia Governorate, Egypt. Abstract. 12th Annual Biomedical Research Symposium September , 2011, Tuskegee University, Tuskegee, Alabama, USA.
3. Marwa, A. Hassan; Hassan, A.M.; Sobaih, M.A and Saleh, R.E. (2012): Chemical assessment of some groundwater used in poultry farms at Ismailia Governorate, Egypt. Suez Canal University Medical Journal , XVI (2). 189- 198.
4. Marwa, A. Hassan; Hassan, A.M.; Sobaih, M.A and Saleh, R.E. (2012): Some heavy metal pollutants in groundwater and their effects on broiler chicks. Suez Canal University Medical Journal , XVII.
5. Osman M.M. Mohamed; Adel, A.S. El-Nabtiti; Marwa, A.M. Hassan; Abeer, A.I. Hassanin (2012): Effect of Guar Meal on The performance and Cecal Microflora of Broiler Chickens Challenged with Salmonella Enteritidis (SE). SCVMJ, XVII (2) :323- 336.
6. Marwa, A. Hassan; Hassan, A.M.; Sobaih, M.A and Saleh, R.E.(2013): Effect of Some Groundwater Pollutants on Broiler Chicks `s Immune Response and Some blood Parameters. Abstract. Ist young researchers conference. Suez Canal University, 6-7 march 2013, Ismailia , Egypt.
7. Yusuf M. S., Hassan M. A., Elnabtiti A. S and Cui H (2015): Ginger powder in combination with organic acid or probiotic, maximizes the laying performance and egg quality of laying Japanese quails. 17th National Poultry Symposium 17-19 April 2015, Chongqing, China.; 04/2015
8. Marwa A. Hassan, Mohamed S. Yusuf, Omnia E. Kilany, H. A. Khalil, A. M. Hanafy and A.M. Hassan (2015): Evaluation of Essential Oil Mixture Overuse on Gut Health and Some Immune Parameters in Laying Japanese Quail (Coturnix Coturnix Japonica). International Proceedings of Chemical, Biological and Environmental Engineering, Vol. 89 (2015). Participated with oral presentation in 5th International Conference on Environment and BioScience. – ICEBS 2015, Beijing, China.
9. Yusuf M. S., Hassan M. A., Elnabtiti A. S and Cui H (2015): A Single Dose Of Ginger Powder, Supported With Organic Acid Or Probiotic, Maximizes The Laying, Egg Quality Hatchability And Immune Performances Of Laying Japanese Quails. International Journal of Recent Scientific Research, Vol. 6, Issue, 10, pp. 6707- 6711, October, 2015.
10. Eissa I.A.M., Maather M. El-Lamie, Marwa A. Hassan and Amira M. El Sharksy (2015): Impact of aquaponic system on water quality and health status of Nile Tilapia Oreochromis niloticus. Suez Canal University

- Medical Journal (SCVMJ) , XX (2).
11. Heba M. A. Abdelrazek, Mohamed S. Yusuf, Marwa A. Hassan, Mohamed T. A. Soliman⁴ and Adel A. S. El Nabtiti. (2015): Ameliorative Effect of Oregano Essential Oil on Mycotoxins-Induced Immune Impairments in Growing Japanese Quail Egypt. *Acad. J. Biolog. Sci.*, 7(2): 101 -114.
 12. A.M. Hanafy, H.A. Khalil, Omnia E. Kilany, Marwa A. Hassan, Mohamed S. Yusuf, Abdelazim Ibrahim, I.M. Fares, A.M. Hassan and P.G. Reddy (2016): Efficacy of Oil Mixture Supplementation on Productive and Physiological Changes of Laying Japanese Quail (*Coturnix coturnix japonica*). *Asian Journal of Animal and Veterinary Advances*, pp1-11.
 13. Samaa T. Hozien, Marwa A. Hassan, Mona M. Abdel Wahab; Zamzam Abdel Wahed and A. M. Hassan. (2016). Hygienic quality of water used in some fresh and Marine aquacultures and their implications on fish. *Suez Canal University Medical Journal (SCVMJ)* , XXI (1)
 14. Mohamed S. Yusuf, Marwa A. Hassan, Mohamed M. Abdel-Daim, Adel S. El Nabtiti, Ali Meawad Ahmed, Sherief A. Moawed, Ahmed Kamel El-Sayed and Hengmi Cui. (2016) Value added by *Spirulina platensis* in two different dietson growth performance, gut microbiota, and meat quality of Japanese quails, *Veterinary World*, 9(11): 1287-1293.
 15. Alyaa A. Saber, Marwa A. Hassan, Adel S. El Nabtiti; Ahmed M. Hassan, Samira R. Mansour. (2017). Evaluation of field techniques to diagnose early subclinical mastitis in relation to hygienic score in a Buffalo farm. *International Journal of Environmental Sciences*.
 16. Mohamed S Yusuf, Marwa A Hassan, Hend M Tag, K Sarivistava, P G Reddy and A M Hassan (2017). Influence Of Turmeric (*Curcuma Longa*) On Performance, Histomorphology And Microbiota Of Intestine In Juvenile Tilapia (*Oreochromis niloticus*). *Int. J. Agric.Sc & Vet.Med.*. Vol. 5, No. 1, February 2017, pp. 7-16.
 17. Marwa A Hassan, Mohamed S Yusuf, Mohamed F Badran, Alaa Sh Griesh and Reeham A Zidan (2017). Effect Of *Yucca Shidigera* Extract And Or Exogenous Enzymes On Nitrogenous Compounds In Nile Tilapia Aquaculture *Int. J. Agric.Sc & Vet.Med.*. Vol. 5, No. 1, February 2017 pp. 55-71.
 18. Mohamed S. Yusuf, Adel A. El Nabtiti, Marwa A. Hassan , Mostafa A. Mandour (2018). Supplementary outcomes of betaine on economic and productive performance, some biochemical parameters, and L.P.L. gene expression in finishing male broilers. *International Journal of Veterinary Science and Medicine*, 6; 213:218.
 19. Eissa I. A. M. , Aly S. M. , Marwa A. Hassan , Esraa E. Eyada (2018). Impac tof some Heavy Metals pollutants in Lake Tamsah in relation to Red tilapia, Egypt. , *Suez Canal Veterinary Medicine Journal. SCVMJ*, 23(2), pp. 169-186. doi: 10.21608/scvmj.2018.60519.
 20. Hassan, Marwa A., Nada A. Abd Allah, and Mahmoud Mabrok. "Inevitable impact of some environmental stressors on the frequency and pathogenicity of marine vibriosis." *Aquaculture* 536 (2021): 736447.
 21. Hassan, Marwa A., Mustafa A. Fathallah, Mohamed A. Elzoghby, Mohamed G. Salem, and Mohamed S. Helmy. "Influence of probiotics on water quality in intensified *Litopenaeus vannamei* ponds under minimum-water exchange." *AMB Express* 12, no. 1 (2022): 1-12.
 22. Hassan, Marwa A., Samaa T. Hozien, Mona M. Abdel Wahab, and Ahmed M.

- Hassan. "Ameliorative effect of selenium yeast supplementation on the physio-pathological impacts of chronic exposure to glyphosate and or malathion in *Oreochromis niloticus*." *BMC Veterinary Research* 18, no. 1 (2022): 1-19.
23. Hassan, Marwa A., Samaa T. Hozien, Mona M. Abdel Wahab, and Ahmed M. Hassan.. Risk assessment of glyphosate and malathion pollution and their potential impact on *Oreochromis niloticus*: role of organic selenium supplementation. *Sci Rep* 12, 9992 (2022). <https://doi.org/10.1038/s41598-022-13216-y>.
 24. Hassan, M. A., Mahmoud, Y. K., Elnabtiti, A. A. S., El-Hawy, A. S., El-Bassiony, M. F., & Abdelrazek, H. M. A. (2022). Evaluation of Cadmium or Lead Exposure with *Nannochloropsis oculata* Mitigation on Productive Performance, Biochemical, and Oxidative Stress Biomarkers in Barki Rams. *Biological Trace Element Research*. doi:10.1007/s12011-022-03318-z.
 25. El-Hawy, A. S., et al. "Immunostimulatory effects of *Nannochloropsis oculata* supplementation on Barki rams growth performance, antioxidant assay, and immunological status." *BMC Veterinary Research* 18.1 (2022): 1-10.
 26. Hassan, M. A., Abdel-Naeim, N. S., Mabrok, M., Dessouki, A. A., & Hassan, A. M. (2022). Isolation and identification of *Enterococcus faecalis* from cultured *Oreochromis niloticus* and *Mugil cephalus* with a special emphasis on a possible integrated control strategy. *Aquaculture Research*, 53(16), 5521-5535.
 27. Nesma E Eleissawy, Waleed F Khalil, Marwa Abd El Moneim Hassan, Abdel-Fattah M Abdel-Fattah (2023). Drug residue profiles of Cefquinome in the mullet (*Mugil cephalus*) in saltwater at 24° C. *Egyptian Journal of Aquatic Biology and Fisheries*, 27(5), 321-331.
 28. AboSelima Et Al, Y. T. (2023). Chloramine-T Concentrations in Serum and Tissue of Tilapia Fish After immersion Therapy in Two Different Concentrations of Chloramine-T. *Egyptian Journal of Aquatic Biology and Fisheries*, 27(5), 857-866.
 29. Ismail, S. H., Hassan, M. A., Eissa, A. E., & Hassan, A. M. (2023). Effect of Single Strength Magnetic Field on Some Physicochemical Water Parameters and Performance of *Oreochromis niloticus*. *Suez Canal Veterinary Medical Journal. SCVMJ*, 28(2), 417-433.

Thesis supervising:

- (1) Hygienic conditions and incidence of mastitis in dairy buffalos in Ismailia city. Veterinary medicine College, Suez Canal University, Ismailia , Egypt (2015-2017).
- (2) Impact of some water heavy metals pollutants in relation to some marine fishes in lake Tamsah, Egypt: Department of Aquaculture Diseases Control, Fish Farming and Technology Institute, Suez Canal University. (Registered 2016 and awarded 2019)
- (3) Studies on vibriosis in cultured sea bream fish. Fish farming and technology institute, Suez Canal university, Ismailia , Egypt (2016- 2020).
- (4) Advanced studies on some chemical pollutants mostly detected in some fish farms: Animal Hygiene, Zoonoses and Behaviour department, Faculty of Veterinary Medicine, Suez Canal University. (registered 13/12/2016 and awarded 2021).

Currently I am serving as a supervisor of 2 master and 1 PhD theses in aquaculture field

at both college of veterinary medicine and fish farming and technology institute, Suez Canal university, Egypt.

Current master theses:

- 1) Effect of Magnetic Field on Performance and Health Condition of Nile Tilapia: *Department of Aquaculture Diseases Control*, Fish Farming and Technology Institute, Suez Canal University. (registered 2018 and not awarded yet)
- 2) Effect of algae as feed additives on the performance and immune status of Guilthead Sea Bream (*Sparus aurata*) fingerlings: *Department of Aquaculture Diseases Control*, Fish Farming and Technology Institute, Suez Canal University. (registered 2020 and not awarded yet)

Current PhD theses:

- Studies on most common pollutants in lake Tamsah, Ismailia. Department of Fish Diseases and Management, Veterinary Medicine, Suez Canal University. (registered 14/11/2017 and not awarded yet).
- Epidemiological study on most common antibiotic resistant gram negative bacteria in broilers . Animal Hygiene, Zoonoses and Behaviour department, Veterinary Medicine, Suez Canal University. (registered 11/5/2021 and not awarded yet).