



Cairo University
Faculty of Veterinary Medicine
Parasitology Department



Curriculum Vitae of Dr. Mai Abuowarda Mohammed

personal Information

Name: Mai Abuowarda Mohammed
Ahmed

Title: Associate professor of
Parasitology *Faculty of
Veterinary Medicine, Cairo
University*

Date of birth 1/4/1986

**Place of
birth** Cairo, Egypt

Citizenship Egyptian



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Address** Parasitology Department, Faculty of Veterinary
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Cairo University, Giza 12211, Egypt.



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Current Address 48 Hamed Abdelazium, Haram, Giza – Egypt.

Educational Qualifications

- Ph. D., Faculty of Veterinary Medicine, Cairo University, 2015.
- M. Sc., Faculty of Veterinary Medicine, Cairo University, 2012.
- B. Sc., Faculty of Veterinary Medicine, Cairo University, 2008.

Academic Positions

- Associate professor of Parasitology, Faculty of Veterinary Medicine, Cairo University, 2020.
- Lecturer of Parasitology, Faculty of Veterinary Medicine, Cairo University, 2015.
- Assistant Lecturer of Parasitology, Faculty of Veterinary Medicine, Cairo University, 2012.
- Demonstrator of Parasitology, Faculty of Veterinary Medicine, Cairo University, 2009.

Thesis Title

M.Sc. Studies on mite species cause demodectic mange in dogs.

Ph.D. Advanced studies on the biological control of cattle tick "*Hyalomma anatolicum* subspecies" in Egypt.

Areas of experience

- Act as an international professional trainer authorized by the international Leadership Training Center at Missouri state university at Faculty and Leadership Development Centre (FLDC), Cairo University.
- Educational technology
- Students scientific and social activities



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- Large animal field problem solving in farms.
- Pet animal field problem for solving.
- Fish parasite
- Parasitology
- Arthropods
- Protozoa
- Teaching 2nd and 3rd. year students (Parasitology).
- Teaching Postgraduate students(Parasitology).

Research Projects

- Member in project with topic “Production of vaccine against *Clostridium perferinges* toxin in combined with coccidia in Broiler” 2016.
- Member in project with topic “Epidemiological studies on Isopod infestation among marine fishes in Egypt with preliminary control and prevention” 2016.

Scientific Conferences attended

1. Attending the International Summer School on Bioinformatics, Nile University, Egypt, 2019.
2. Attending 8th International Conference of Veterinary Research Division, One Health, National Research center, Cairo, Egypt, 2019.
3. Attending the 5th International Conference: Era of Biotechnology and Personalized Medicine, Cairo, Egypt, 2019.



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4. Attending the 9th scientific International Conf. of Egyptian Veterinary Medical Society of Parasitology Journal, 2018, Alexandria.
5. Attending the 5th Vet. Seminar, Royal Canine, Cairo, Egypt, 2018.
6. **Attending The 26th International Conference of the World Association for the Advancement of Veterinary Parasitology, WAAVP 2017, Kuala Lumpur, Malaysia.**
7. Attending 7th International Conference of Veterinary Research Division, Development of Animal Wealth: challenges and Solutions, National Research center, Cairo, Egypt, 2017.
8. Attending the 14th scientific International Conf. of the Fac. of Vet. Med. Cairo Univ 2017.
9. Attending 8th scientific International Conf. of Egyptian Veterinary Medical Society of Parasitology Journal, 2017.
10. Attending The 12th Scientific Symposium of the Veterinary Medical Association for Parasitology, Faculty of Medicine, Al-Azhar University, 2016.
11. Attending the 2nd and 3rd International Conf. of the Fac. of Vet. Med. Cairo Univ 2009.
12. **Attending the 130th OMICS group conference , Entomology, Onithology&Herpetology :Current Research open acess, ISSN:2161-0983.S1.004., Orlando, Florida, USA.**



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Training courses and Workshops

❖ *Scientific Training Courses*

1. Blackboard training workshop.
2. Electronic exams workshop.
3. Course Description workshop.
4. Measurement and evaluation methods.
5. Preparing the test item and designing the test schedule.
6. Training course “Introduction to Applied Statistics Using R”, Cairo University, 2020.
7. Certified International Professional Trainer (CIPT) from *Missouri State University* (USA) with excellent score at Faculty and Leadership Development Centre (FLDC), Cairo University. 2019.
8. 2nd International Course in Laboratory Animal Science based on FELASA criteria (Function B) organized by EAARA in collaboration with Utrecht University and Faculty of Science, Cairo University 10th- 21st November, 2019.
9. R Basics – R Programming Language Introduction, R-Tutorials Training, Instructor and U UdeMy, (online course), 2019.
10. Training course (Real Time PCR and Data Analysis, National Research Centre, 2019.
11. Training course (Real Time PCR Application & Analysis, Biotechnology center for services and Researches of Faculty of Veterinary Medicine, Cairo University, 2017.
12. Training course (Laboratory Diagnosis of poultry and animal disease) Biotechnology center for services and Researches and Center of Applied Analytical and veterinary studies of Faculty of Veterinary Medicine, Cairo University, 2017.



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13. Training course (Stem cell Isolation & Application) Biotechnology center for services and Researches of Faculty of Veterinary Medicine, Cairo University, 2017.
 14. Training course (Proposal writing for Post Docs) with in the DAAD Kairo Akademie, 2017.
 15. Training course (Scholarly Collaboration) with in the DAAD Kairo Akademie, 2017.
 16. Workshop (Bioinformatics principles and Applications), DELTA training & development (the sole Agent of Promega in Egypt 2016.
 17. Training course (How to Establish a Vet Clinic), Training and Development Unit - Faculty of Veterinary Medicine, Cairo University, 2016.
 18. Training course (Biostatistics), Faculty of Veterinary Medicine, Cairo University, 2014.
 19. Training course (Molecular Based Techniques (PCR and RT-PCR) Biotechnology center for services and Researches of Faculty of Veterinary Medicine, Cairo University, 2010.
 20. Training Course (International Computer Driving License) ICDDL, Faculty of Computer and information, Cairo University, 2010.
 21. Training course of medical analysis at National Research Center from December 2008 to February 2009.
 22. Attendance workshop (Step by step guide to submit amanuscript to an international journal) which was organized by journal of advanced research, in The central library, Cairo University, on the 7th of December 2011.
- ❖ ***Workshops for Quality Assurance and Accreditation for Education***
1. Academic standards for the academic program



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2. Field visit to accredit higher education institutions
3. Visit and control works
4. Preparing an electronic course
5. Using technology in teaching
6. Preparing feedback questionnaires
7. statistical analysis
8. SPSS workshop

❖ *Training programs by Faculty and Leadership Development Centre (FLDC), Cairo University (15 training hrs for each program):*

1. Use of technology in Teaching.
2. University Code of Ethics.
3. Behavior of the profession.
4. Conference organization.
5. Exams and students evaluation systems
6. Effective teaching skills.
7. International publishing of scientific research
8. Management Research Teams.
9. E-learning.
10. Legal and Financial Aspects in University Environment.
11. Research Ethics.
12. Management of Time and Meeting.
13. Communication Skills.
14. Critical Thinking.
15. Ethical Considerations for Animal use in Research and Education.
16. Fundamentals of Clinical Trials.
17. Statistical Analysis of Bio-Experiments.
18. Decision Making and Problem Solving.



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Honored Certificates

- Honored by the Governor of Fayoum for the outstanding effort and sincere cooperation for the public interest over many years to examine, research and implement a strategy that would solve the problems of Lake Qarun in the Fayoum governorate and affect the national product.
- University Prize for International Publishing 2019, 2020, 2021.
- Honored by the Quality Assurance Unit at the Faculty of Veterinary Medicine, Cairo University.

Environmental and community service

- Participation in a scientific committee to examine seed from the beginning of its receipt until it was dumped in Lake Qarun according to Fayoum Governor's decision No. 614 of 2016 till now.
- Participation within the team on the problems of Lake Qarun according to a decision from the Governor of Fayoum No. 615 of 2016 till now.
- Associate member of the organizational structure of the Laboratory of the Center for Biotechnology Research and Services from 2018 till now.
- By participating in the reception, analysis and examination of laboratory samples received from the Center for Applied Analysis and Veterinary Studies to the Parasitology Department.
- Assistant coordinator for the standard of faculty members in the Quality Assurance and Accreditation Unit at the Faculty of Veterinary Medicine, Cairo University.
- Quality Coordinator, Parasitology Department, Faculty of Veterinary Medicine, Cairo University.
- International Professional Trainer in Faculty and Leadership Development Centre (FLDC) , Cairo University.

Computer Skills



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Excellent in office word, power point, Excel

- International Computer Driving License (ICDL).
- Using the computer tools in teaching and research of veterinary Medicine.
- Production of A parasitology CD for students and graduated veterinarians.

Language Skills

- TOEFL(IBT)
- TOEFL from Center for Foreign Languages and Professional Translation, Cairo University.

Professional Memberships

- International Professional trainer in FLDC.
- Member of the Egyptian Veterinary Medical Society of Parasitology.
- Member of the Egyptian Veterinary Medical Syndicate.
- Board Editor member of Acta Scientific Veterinary Sciences journal, 2019.
- Reviewer member of PLoS ONE and Parasites & Vectors Jouranls.
- Member of the Parasitology Department, Faculty of Veterinary Medicine, Cairo University.
- Member of the Cairo University Club, Egypt.
- Member of Biotechnology Center for Services and Researches of Faculty of Veterinary Medicine, Cairo University.
- Assistant coordinator of National Authority for Quality Assurance and Accreditation for Education (NAQAAE) in Faculty of Veterinary Medicine, Cairo university.
- Quality and accreditation coordinator in Parasitology Department, Faculty of Veterinary Medicine, Cairo University.
- Member of training and development unit in Faculty of Veterinary Medicine, Cairo university, 2016.



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Thesis Supervision

Master degree

- Some studies on external parasites of canines
Researcher's name: Sara Magdy Shafik
- Parasites infecting some fish species in Egyptian salted waters
Researcher's name: Reem Montasser Ramadan

PhD Degree

- Advanced studies on the integrated control of the native hard ticks strain in Egypt.
Researcher's name: Hoda S. M. Abdel-Ghany
- Advanced studies on tick-borne blood parasites among pets (Dogs) in Egypt.
Researcher's name: Asma Hegab.

List of Publications

1. Author Name: *Abuowarda M M*
2. ORCID: <https://orcid.org/0000-0003-1631-1666>
3. *h-index*: 4

1. **Abuowarda, M.**, AbuBakr, H.O., Ismael, E., Shaalan, M., Mohamed, M.A. and Aljuaydi, S.H., 2021. Epidemiological and genetic characteristics of asymptomatic canine leishmaniasis and implications for human *Leishmania* infections in Egypt. *Zoonoses and Public Health*.
2. Abdel-Ghany, H.S., Abdel-Shafy, S., **Abuowarda, M.**, El-Khateeb, R.M., Hoballah, E.M. and Fahmy, M.M., 2021. Acaricidal activity of Artemisia herba-alba and Melia azedarach oil nanoemulsion against *Hyalomma dromedarii* and their toxicity on Swiss albino mice. *Experimental and Applied Acarology*, pp.1-22.
3. Ali, K.M., Abu-Seida, A.M. and **Abuowarda, M.**, 2021. Feline ocular toxoplasmosis: seroprevalence, diagnosis and treatment outcome of 60 clinical cases. *Polish Journal of Veterinary Sciences*, pp.51-61.
4. Abdel-Ghany, H.S., Abdel-Shafy, S., **Abuowarda, M.M.**, El-Khateeb, R.M., Hoballah, E., Hammam, A.M.M. and Fahmy, M.M., 2021. In vitro acaricidal activity of green



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- synthesized nickel oxide nanoparticles against the camel tick, *Hyalomma dromedarii* (Ixodidae), and its toxicity on *Swiss albino mice*. *Experimental and Applied Acarology*, 83(4), pp.611-633.
5. Elhelw, R., Elhariri, M., Hamza, D., **Abuowarda, M.**, Ismael, E. and Farag, H., 2021. Evidence of the presence of *Borrelia burgdorferi* in dogs and associated ticks in Egypt. *BMC Veterinary Research*, 17(1), pp.1-9.
 6. Ali, K.M., Hassan, E.A., **Abuowarda, M.M.**, Mahmoud, M.A. and Torad, F.A., 2021. Bilateral Panophthalmia as a Late Sequel of Leishmaniasis in Dogs. *Pakistan Veterinary Journal*, 41(1).
 7. Abdel-Ghany, H.S.M., Abdel-Shafy, S., **Abuowarda, M.M.**, El-Khateeb, R.M., Hoballah, E.M. and Fahmy, M.M., 2021. Acaricidal activity of some medicinal plant extracts against different developmental stages of the camel tick *Hyalomma dromedarii*. *Adv. Anim. Vet. Sci*, 9(5), pp.722-733.
 8. Hegab, A.A., Fahmy, M.M., Omar, H.M., Gattas, S.G., **Abuowarda, M.M.**, 2020. Investigation of tickborne pathogens within naturally infected brown dog tick (ixodidae: *Rhipicephalus sanguineus*) in Egypt by light and electron microscopy. *International Journal of Veterinary Science*, in press.
 9. Ghoneim, N.H., Abdel-Moein, K.A., Zaher, H.M., **Abuowarda, M.M.**, 2020. Investigation of Ixodidae ticks infesting camels at slaughterhouse and its potential role in transmitting *Coxiella burnetii* in Egypt. *Small Ruminant Research*, 106173.
 10. Morsy, E.A., Salem, H.M., Khattab, M.S., Hamza, D.A. and **Abuowarda, M.M.**, 2020. *Encephalitozoon cuniculi* infection in farmed rabbits in Egypt. *Acta Veterinaria Scandinavica*, 62(1), pp.1-11.
 11. **Abuowarda, M.M.**, Amer, M. A., Shehab, S.G., Abdallah A., Hassan M., 2020. A preliminary study of endoscopic diagnosis of gastric ulcer in Egyptian donkeys (*Equus asinus*) parasitised by *Gasterophilus intestinalis* (Diptera: Oestridae). *Bulgarian Journal of Veterinary Medicine*, 2020, in press.
 12. **Abuowarda, M.M.**, Haleem, M.A., Elsayed, M., Farag, H. and Magdy, S., 2020. Bio-pesticide control of the brown dog tick (*Rhipicephalus sanguineus*) in Egypt by using two entomopathogenic fungi (*Beauveria bassiana* and *Metarhizium anisopliae*). *International Journal of Veterinary Science*, 9(2), pp.175-181.
 13. Mahmoud, N.E., Fahmy, M.M. and **Abuowarda, M.M.**, 2020. Additional morphometric and phylogenetic studies on *Mothocya melanosticta* (Isopoda: Cymothoidae) parasitizing the Red Sea *Nemipterus randalli* fish in Egypt. *Journal of Parasitic Diseases*, pp.1-10.
 14. Abdel-Ghany, H. S., Fahmy, M. M., **Abuowarda, M. M.**, Abdel-Shafy, S., El-Khateeb, R. M., Hoballah, E. M., 2019. In vitro acaricidal effect of *Melia azedarach* and *Artemisia*



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- herba-alba* extracts on *Hyalomma dromedarii* (Acari: Ixodidae): embryonated eggs and engorged nymphs. Journal of Parasitic Diseases, pp.1-15.
15. Mahmoud, N. E., Fahmy, M. M., **Abuwarda, M. M.**, Zaki, M. M., Ismael, E., Ismail, E. M., 2019. Influence of water quality parameters on the prevalence of *Livoneca redmanii* (Isopoda; Cymothoidae) infestation of Mediterranean Sea fishes, Egypt. International Journal of Veterinary Science, 8(3), 174-181.
 16. Mahmoud N.E., Fahmy, M.M., **Abuwarda, M.M.**, zaki, M.M., Ismail, E.M., Ismael, E.S., 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., 49(1): 235 – 242.
 17. Magdy, S., **Abuwarda, M.M.**, Farag, H., Elsayed, M. and Haleem, M.A., 2018. Insights into the use of natural products in control of ticks and fleas infesting dogs in Egypt. Journal of The Egyptian Veterinary Medical Association, 78 (4): 691-707.
 18. Mahmoud N.E., MM Fahmy, **M M Abuwarda.**, 2018. Infected Mugiliid Fry: A source of Invasion of Lake Qarun (Fayoum: Egypt) by Parasitic Isopods. The 9th scientific International Conf. of Egyptian Veterinary Medical Society of Parasitology Journal, pp. 75-76.
 19. **Abuwarda, M.M.**, AbuBaker, H.O., Aljuaydi, S.H., Ismael, E., 2017. Molecular epidemiology and diagnosis of leishmaniasis in Egypt. The 26th International Conference of the World Association for the Advancement of Veterinary Parasitology, WAAVP 2017, Kuala Lumpur, Malaysia. Abstract No: 5523, P: 541.
 20. **Abuwarda, M.M.**, Fahmy, M. M., Mousa, W.M., Zaied, S., 2017. Immunoprotective efficacy of purified midgut antigens of *Hyalomma anatolicum anatolicum* in Egypt. The 26th International Conference of the World Association for the Advancement of Veterinary Parasitology, WAAVP 2017, Kuala Lumpur, Malaysia. Abstract No: 2643, P: 251.
 21. Mahmoud, N.E., Fahmy, M.M., **Abuwarda, M.M.**, 2017. Studies on fish-borne zoonotic parasites in economically important fishes in Egypt. The 26th International Conference of the World Association for the Advancement of Veterinary Parasitology, WAAVP 2017, Kuala Lumpur, Malaysia. Abstract No: 2830, P: 350.
 22. Mahmoud, N.E., Abdlwahab, A.M, **Abuwarda, M.M.**, Khattab M.S., Ramadan, R. M., 2017. Further studies on Cymothoid isopods of some fish species from lake qarun, Egypt. Egyptian Veterinary Medical Society of Parasitology Journal, 13, 15-24.



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23. Mahmoud, N.E. Mousa, W. M., **Abuowarda, M.M.**, Hasanin, E.S., 2017. Gill parasites of some wild and cultured marine fish in Egypt. Egyptian Veterinary Medical Society of Parasitology Journal, 13, 1-14.
24. Mohamed, H.S., Fahmy, M. M., Attia, M.M., El Khateeb, R.M., Shalaby H.A., **Abuowarda, M.M.**, 2017. Immunological evaluation of some antigens of *Lucilia sericata* larvae. Journal of Parasitic Diseases, 41(4), pp.1086-1092.
25. Mahmoud, N.E., Fahmy, M.M., **Abuowarda, M.M.**, 2017. An Investigation of Cymothoid Isopod Invasion in Lake Qarun Fishes with Preliminary Trial for Biological Control" International Journal of ChemTech Research, 10 (2): pp. 409-416.
26. **Abuowarda M. M.**, Fahmy M.M., 2017. Demodectic mange caused by four *Demodex* species in different dog breeds in Egypt. 14th Scientific conference (6th international), 2017, pp. 32
27. Mahmoud, N.E., Fahmy, M.M., **Abuowarda, M.M.**, Khattab, M.S., 2016. Parasitic Cymothoid Isopods and their Impacts in Commercially Important Fishes from Lake Qarun, Egypt. International Journal of ChemTech Research, 9(12): pp 221-229.
28. **Abuowarda, M.M.**, M. M. Fahmy, Mousa W. M., Zaied, S.A., Iman, B., 2015. Histology and transmission electron microscopy (TEM) of salivary glands and gut in adult female *H. a. anatolicum* fifteen days feeding on A rabbits immunized by midgut antigen. Int. J. Adv. Res. Biol. Sci., vol. 2(6): issue 2348-8069, pp. 200–214.
29. **Abuowarda, M.M.**, Fahmy, M.M., Sahar, M. Z., 2013. Morphological description of four *Demodex* species (*D. canis*, *D. injai*, *D. cornei* and unidentified *Demodex* species) infecting dogs in Egypt and experimental trials for transmission", *International Symposia on Entomology*, Orlando, Fl, USA, 2:2, pp. 79.
30. Fahmy, M.M., **Abuowarda, M.M.**, 2013. Prevalence and pathology of canine demodectic mange among different dog breeds in Egypt, *130th OMICS group conference, Entomology, Ornithology & Herpetology: Current Research open access, ISSN:2161-0983.S1.004.*, Orlando, Florida, USA, 2:2, pp. 78.



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