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Educational Qualifications

Professor of parasitology, Faculty of Veterinary Medicine, Cairo University, Egypt.

Academic Positions

- + Professor, Parasitology Department, Faculty of Veterinary Medicine, Cairo University, 2001
- + Associate Professor, Parasitology Department, Faculty of Veterinary Medicine, Cairo University, 1996
- + Lecturer, Parasitology Department, Faculty of Veterinary Medicine, Cairo University, 1991
- + Assistant Lecturer, Parasitology Department, Faculty of Veterinary Medicine, Cairo University, 1988
- + Demonstrator, Parasitology, Faculty of Veterinary Medicine, Cairo University, 1984

Areas of expertise

- + Reviewing Articles, thesis and projects
- + For the Committee upgrading assistant professors and professors, Cairo University.
- + Members of the Egyptian Universities Promotion Committees, Section 98 (Microbiology-Parasitology) from 2019-2022.
- + Member of the Egyptian Universities Promotion Committees, Section 100 (Parasitology- Forensic -Pharmacology).
- + Member of the Egyptian Universities Promotion Committees, No. 13 Veterinary Studies sector Committee No. 100 (A) of Clinical Veterinary Science (Parasites - Microbiology)
- + For the Committee upgrading assistant professors and professors, Iraq.
- + Republic of Iraq, Ministry of Higher Education and Scientific Research, Southern Technical University (10/2016).

- ✚ Republic of Iraq, Ministry of Higher Education and Scientific Research, Al Mustansiriyah University (4/2017).
- ✚ For Committee upgrading assistant professors and professors, National Research Centre, Egypt.
- ✚ Member of the National Research Centre Permanent Veterinary Sciences Committee. Contributed to the promotion of Dr/ Taghreed Burhan Aladdin Ibrahim Ahmed. Researcher in Aquaculture Department, National Centre for Research. For the position of research assistant professor of the Aquaculture Research Department (2011-2017)
- ✚ External reviewer for other Universities in Egypt
- ✚ Thesis Submitted for Ph.D. Degree of Science in Zoology (Physiology) Faculty of Science, Zoology Department, Ain shams University, under title “**Molecular, Physiological and Pathological Studies on the Effect of Some Natural Products on Male Albino Rats Experimentally Infected with Cryptosporidium spp.**” by Tamer Helmi Abed El-Aziz Sayed-Ahamed (2015).
- ✚ Thesis Submitted for Master Degree of Science in Zoology (Entomology) Cairo University, Faculty of Science, Entomology Department, Egypt, under title: **Effect of midgut bacterial flora on the susceptibility of Culex quinquefasciatus Say to Hepatozoon parasite transmission under laboratory conditions** by Alaa Fouaad Abdel Rahman, Teaching Assistant, Medical and Veterinary Entomology (1/2016).

- ✚ Thesis Submitted for Ph.D. of parasitology, Faculty of Veterinary Medicine, Beni Seuf, Egypt, (1/2020).

- ✚ Thesis Submitted for Ph.D. of parasitology, Faculty of Veterinary Medicine, Beni Seuf, Egypt, (11/2021). **Distribution patterns of blood parasites in dogs**




✚ **Reviewer in**

- Committee of internal research projects National Research Centre, Research, and Projects Affairs, 2017
- Committee of Awards in the National Research Centre, Egypt.
- Committee of Awards in the Zagazig University, 2020.
- Committee of Awards in the Cairo University, Egypt. 2020-2021.

✚ Teaching Courses

- Theoretical lectures and practical of under grade ant student at level2 and 3; Helminthology, Protozoolgy and Entomology Courses as Cairo University staff for 30 years.
- Theoretical lectures and practical of the post grad anent studies in parasitological Sciences as Cairo University staff for 33years.
- Theoretical lectures and practical for veterinarians and agricultural, which has been prepared regional Centre for the safety and quality of food, Faculty of Veterinary Medicine, Cairo University, in coordination with the General Authority for Fish Resources Development and the Ministry of Agriculture during the period from 29/1 -24/2/2000
- Theoretical lectures and practical for veterinarians and associate countries of the Jordan and Palestine in the field of laboratory diagnosis to death of new born babies during the period from 17-29/6/2000.
- Theoretical lectures and practical pillow veterinarian doctors from the Directorate of Veterinary Medicine at Giza on the field of parasites cats and dogs during the period 4/12/2001.
- Theoretical lectures and practical of veterinarian doctors on the parasitic diseases of Rodent training from VACSERA Giza, Egypt. (2001).
- Theoretical lectures and practical in Arabic language to students from the State of Qatar Allow (Helminthes-tapeworms in 2009).
- Lectures and practical theory of veterinary training centre under the title of the most important parasites that infect Turkey and its prevention methods, Imbaba (2006-2008)
- Lectures and practical theory of veterinary training centre under the title of the most important parasites that infect Rabbits and its prevention methods, Imbaba (10/12/2010)
- Lectures of the veterinarians, agricultural and biologists under the title of the most important fish parasites and methods of control in Cultural Association of Social Cooperative in Sidi Bishr Alexandria Egypt. (2011-2012).
- Lectures and practical theory of veterinary training centre under the title of the most important parasites that infect rabbits and its prevention methods, Imbaba (2017)

Projects

-  Participate in the research work of the project “Treatment of sewage water in Egypt using low cost, non-central methods to produce safe fish and animal proteins”. Cairo University in the period from (2013-2016).
-  Principal Investigator of the research project, “Application of Hydatid cyst fluid (Cystic Echinococcosis) Antigens as Diagnostic Kit Production for diagnosis of hydatidosis in human and animals in Egypt.” in the period from 2010-2013.
-  Member of the research team for the project "Vaccination against larvae of tapeworms in sheep (Cysticercosis) in the period from 2001-2003, this project of the Department of Foreign Affairs at the National Center for Research.

Awards

- ✚ Award from the Cairo University International publications from Dec 2012 to July 2020.
- ✚ Award of Dr / Mohamed Saied Soleiman, for the academic year 2006-2007 and 2010-2011 Fac. Vet. Med. Cairo Univ.

Training courses

- ✚ Attended a training course on the "Current applications of PCR and Hybridization" techniques" from 5-10 October 2002" Fac. Vet. Med., Cairo Univ.
- ✚ Attended a training course on the Application of ELISA technique for detection of food toxins and residues during the period of 10-20 May 2003 Fac. Vet Med., Cairo Univ.
- ✚ Attended a training course on the "Preparation of recombinant vaccine and diagnostic proteins" from 19-24 October 2003. Fac. Vet Med., Cairo Univ.
- ✚ Attended a training course on the "Polymerase chain reaction and its different applications" from 9-13 November 2008 Fac. Vet Med., Cairo Univ.
- ✚ Attended a training course on the "Evaluation and estimation of harmful and cellular immune response against causative agent" 16-20 Nov. 2008. Fac. Vet Med., Cairo Univ.

Professional Memberships

- ✚ Membership in the following scientific societies:
- ✚ Veterinary Medical Association.
- ✚ Egyptian Society for wildlife.
- ✚ Egyptian Society of Animal Science, Fac. Sci. - Ain Shams University.
- ✚ Egyptian Association for the Development of the revolution and preserve the fish for human health – Fac. of Sci. -Ain Shams University
- ✚ Egyptian Society of Parasitology– Fac. Med. - Ain Shams Univ.
- ✚ Parasitologists United Journal (PUJ).
- ✚ Scientific Journal, Faculty of Veterinary Medicine - Cairo University.
- ✚ Egyptian Veterinary Medical Association for Parasitology. Fac. Vet. Med. – Univ. of the Suez Canal.
- Egyptian Veterinary Medical Society of Parasitology Journal (EVMSPJ)
- Indian society for advancement of canine practice, 2005.
- Reviewers for of the Journal of Animal Science and Veterinary Medicine and Integrity Research Journals at large.
- Reviewers for the Journal of Veterinary Science and Medicine

International Conference

Scientific Conference attends the 9th international symposium of fish parasites in Valencia, Spain from 31 August to 4 September 2015.

Other activities

- # Expertise in the field of quality education
- # Workshop under the title: Visited field for the adoption of educational institutions, the status of quality assurance and accreditation in the period May 11, 2011, Faculty of Science - Cairo University.
- # Workshop under the title: community participation, Academic Advising Centre Quality Assurance and Accreditation, Faculty of Veterinary Medicine - Cairo University (09/01/2012).
- # Experience in writing books:
- # Participation in the book edited by the private course of Helminthology (256), who taught for students of the second level, Faculty of Veterinary Medicine - Cairo University.
- # Experience in developing E-Learning
- # Member of the team to be in the production of your E-Learning course of Helminthology (256), which has been produced by the National Centre for Education website - Cairo University for the academic year (2010-2011).

List of Publication

2021

- Bassma S.M. Elsayy, Ahmed M. Nassar, H. A. R. B. F. V., M. M. S. Sezayi Ozube, O. M. Kandil, and **O. A. Mahdy (2021)**: "Rapid Detection of Equine Piroplasms using multiplex PCR 2 and First genetic characterization of Theileria haneyi in Egypt.", *Pathogens*, 2021, 10 (11), 1414.
- Attia, M. M., M. Abdelsalam, R. M. S. Korany, and **Mahdy, O. A.** (2021): "Characterization of digenetic trematodes infecting African catfish (*Clarias gariepinus*) based on integrated morphological, molecular, histopathological, and immunological examination", *Parasitology Research*, 120 (9), pp. 3149–3162.
- **Mahdy, O. A.**, and M. M. Attia, (2021): "Comparative micro-morphological and phylogenetic analysis between *Rhinoestrus purpureus* and *Rhinoestrus usbekistanicus* (Diptera: Oestridae) larvae and its adults", *International Journal of Tropical Insect Science*, vol. 41, issue 241, pp. 250, 2021.
- Salem, M. A. I. A., S. A. Z. Maogood, M. I. Abdelsalam, and **Mahdy O. A.** (2021): "Comparative morpho-molecular identification of *Clinostomum phalacrocoracis* and *Clinostomum complanatum* metacercaria co infecting Nile tilapia in Egypt", *Egyptian Journal of Aquatic Biology & Fisheries*, vol. 25(1), issue 1110 – 6131, pp. 371 – 385 , 2021.

- **Mahdy, O. A.**, S. Z. Abd El-Maogood, M. Abdelsalam, S. M., H. A. Abdelrahman, and M. A. Salem (2021): "Epidemiological study of fish-borne zoonotic trematodes infecting Nile tilapia with first molecular characterization of two heterophyid flukes", *Aquaculture Research*, vol. 52, issue 1355557X, pp. 4475–4488, 2021.
- Attia, M. M., and **Mahdy, O. A.** (2021): "Evaluation of the cell mediated immune responses using quantitative Real-time Polymerase Chain Reaction during the infestation of *Rhinoestrus usbekistanicus* (Diptera: Oestridae) in equine", *International Journal of Tropical Insect Science*, 41(4), pp. 3147–3153.
- Attia, M. M., and **Mahdy, O. A.** (2021): "Fine structure of adult fly and different stages of larvae of camel nasal bot; *Cephalopina titillator* (Diptera: Oestridae)", *International Journal of Tropical Insect Science In press*, 2021.
- **Mahdy, O. A.**, M. Abdelsalam, S. A. Z. Maowgood, and M. S. M. I. A. and Salem (2021): "First genetic confirmation of Clinostomidae metacercariae infected in *Oreochromis niloticus* in Egypt", *Aquaculture Research*, 2021.
- Zaki, A. A., Attia, A. F., Ismael, and **Mahdy, O. A.** (2021): "Prevalence, genetic, and biochemical evaluation of immune response of police dogs infected with *Babesia vogeli*", *Veterinary world*, vol. 14(4), issue 09728988, pp. 903-913

2020

- Kandil, O. M., K. A. Abdelrahmana, M.S. Mahmouda, and **Mahdy O.A.** (2020): "Cystic echinococcosis: Development of an intermediate host rabbit model for using in vaccination studies", *Experimental Parasitology*, vol. 208, pp. 107800, 2020.
- Mousa, W. M., A. A. Wahaab, S. M. E. Gameel, and **Mahdy O. A.** (2020): Genetic characterization of hydatid cysts of different intermediate hosts. *Helminthologia*, Vol .57 ,3; 185-195. <https://doi.org/10.2478/helm-2020-0031>, 2020.
- **Mahdy, O. A.**, W. A. Mousa, S. A. - E. zaeid Mawodood, and S. A. Radi, (2020): Molecular characterization and phylogenetic analysis of *Toxocara* species in dogs, cattle and buffalo in Egypt. *Helminthologia* 57(2):83-90 DOI: [10.2478/helm-2020-0013](https://doi.org/10.2478/helm-2020-0013), Egypt, 2020.
- **Mahdy, O. A.**, M. A. Mahmoud, and M. Abdelsalam, (2020): "Morphological characterization and histopathological alterations of homologs Heterophyid metacercarial coinfection in farmed mullets and experimental infected pigeons", *Aquaculture International*, 28(6), pp. 2491–2504.

2019

- Saad, S. M., A. M. Salem, O. A. Mahdy, and E. S. Ibrahim, "Prevalence of metacercarial infection in some marketed fish in Giza governorate, Egypt", *Journal of the Egyptian Society*, vol. 49(1), pp. 129-134, 2019.

2018

- Mahdy, O. A., W. M. Mousa, M. R. Genedy, S. Z. Abdel-Maogood, and S. Abdel-Radi, "DIAGNOSIS OF TOXOCARA VITULORUM INFECTION (ASCARIDIDA: NEMATODA): USING SELECTED PURIFIED ANTIGENS", *Journal of the Egyptian Society of Parasitology*, vol. Vol. 48 (2), issue 0253-5890, pp. 271 – 276, 2018.
- Attia, M. M., M. M. Khalifa, and O. A. Mahdy, "The prevalence of *Gasterophilus intestinalis* (Diptera: Oestridae) in donkeys (*Equus asinus*) in Egypt with special reference to larvicidal effects of neem seed oil extract (*Azadirachta indica*) on third stage larvae", *Open Veterinary Journal*, vol. 8(4), issue 2218-6050, pp. 423-431, 2018.

2017

- Mahdy, O. A., W. M. Mousa, S. Z. Abdel-Maogood, S. Abdel_Radi, and M. M. El-Bahy, "Characterization of immunogenic protein fractions of Sheep Cysticercosis in Cairo, Egypt", *J HELLENIC VET MED SOC.*, vol. 68(3), issue 2585-3724, pp. 291-298
- Mahdy, O. A., S. Zayed A. Maogood, F. F. Mohammed, and M. A. I. A. SALEM, "Effect Of *Verbesina Alternifolia* And *Mentha Piperita* Oil Extracts On Newly Excysted *Metacercaria* Of *Euclinostomum Heterostomum* (Rudolphi, 1809) (Digenea: Clinostomatidae) From Naturally Infected Kidneys Of *Tilapia Zillii* In Egypt", *Journal of the Egyptian Society of Parasitology*, vol. Vol. 47, No. 3, issue 1110-0583, pp. 515 – 523, 2017.
- WAHEED M. MOUSA, O. A. Mahdy, A. Z. Z. A. M. ABDEL-WAHAB, and S. O. H. A. I. L. A. M. EL-GAMEEL, "EVALUATION OF HUMERAL IMMUNITY AGAINST THREE HYDATID CYST ANTIGENS OF CAMELS USING SECONDARY CYST DEVELOPMENT IN RABBIT MODEL", *Journal of the Egyptian Society of Parasitology*, vol. Vol. 47, No. 3, issue 1110-0583, pp. 623– 631
- Mahdy, O. A., W. M. Mousa, S. Z. Abdel-Maogood, and S. H. I. M. A. A. ABDEL-RADI, "EVALUATION OF THE PROTECTIVE VALUE OF SOME TOXOCARA VITULORUM ANTIGENS IN RATS", *Journal of the Egyptian Society of Parasitology*, vol. 47(2), issue 1110-0583, pp. 293-301
- Ibrahim, T. B., and O. A. Mahdy, "In vitro and In vivo Effects of *Carica papaya* Seed Extract on the Ultrastructure of the Tegument of *Prohemistomum vivax* (Sonsino, 1892) (Trematoda: Prohemistomatidae)", *International Journal of Zoological Research*, vol. 13, issue 1811-9778, pp. 45-53, 2017.

- Mahdy, O. A., M. M. Attia, M. S. Khattab, and N. M. K. Saleh, "In vivo effect of *Carica papaya* seeds extract on *Aspiculuris tetraptera* in mice (*Mus musculus*) colonies", *Wulfenia journal*, vol. 24, issue 1561-882X, pp. 149-164, 2017.
- Attia, M. M., O. A. Mahdy, and N. M. K. Saleh, "Prevalence of *Linguatula serrata* (Order: Pentastomida) nymphs parasitizing Camels and Goats with experimental infestation of dogs in Egypt", *International Journal of Advanced Research in Biological Sciences*, vol. 4(8), issue 2348-8069, pp. 197-205, 2017.
- Wahab, A. A., S. A. Z. Maogood, and O. A. Mahdy, "Scanning Electron Microscopic Changes In *Habronema Muscae* After In Vitro Exposure To Plant Extract (*Verbesina Alternifolia*)", *Journal of the Egyptian Society of Parasitology*, vol. 47(1), issue 1110-0583, pp. 47- 54, 2017.