



كلية الطب البيطري  
جامعة القاهرة

## وحدة ضمان الجودة



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### Curriculum Vitae

#### personal Information

Name Dr. Alaa Eldin Abdel Mouty Eissa  
Title Associate Professor of Fish Diseases and Management  
Date of Birth 28-12-1969  
Place of Birth Giza  
Citizenship Egyptian



#### Contact Information

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Current Address Department of Fish Diseases and Management, Faculty of Veterinary Medicine, Cairo University, Giza 12211 Egypt

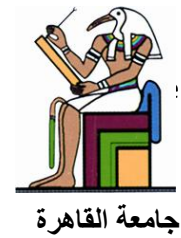
#### Educational Qualifications

Ph.D. in Aquatic Animal Health / Molecular Pathology ( College of Veterinary Medicine, Michigan State University) >>>>>>2005





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Aquaculture. Sharm El-Sheikh, Egypt 13 – 15 December 2006.

- **International Publication Award of Cairo University** for the years 2006, 2007, 2008, 2009 and 2010.
- **National Encouragement Award in Agricultural Sciences** from the Supreme Council of the Egyptian Academy of Science and Technology for the year 2008.
- **Scientific Distinction Award in Interdisciplinary and Multi-specialty Sciences** from the Supreme Council of Scientific Research of Cairo University for the year 2010.

### **Areas of experience**

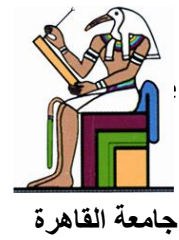
- Aquatic Animal Health / Aquatic Animal Pathology
- Molecular Pathology / Molecular Diagnostics
- Aquatic Ecology / Aquatic Ecotoxicology
- Fish / Shellfish Immunology
- Environmental Pollution
- Aquatic Animal Epidemiology
- Wildlife Conservation
- Impact of climatic changes on aquatic environment

### **Professional Memberships**

- Member of the Egyptian Society of Natural Toxins (2008 - Present)
- Member of the World Society of Aquaculture (2007- Present)
- Member of the International Society of Aquatic Animal Epidemiology (2007- Present)
- Member of the Agriculture and Biotechnology Network of Africa (ABNETA) (2006-Present)
- Member of Michigan State University Alumni Association (2005-Present).
- Member of Egyptian Society of Animal Management (2006-Present)
- Member of Egyptian Society of Animal Reproduction and Fertility (2005- Present)
- Member of American Fisheries Society (2003-Present)



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- Member of Egyptian Veterinary Syndicate (1993-Present)
- Member of Egyptian Veterinary Medical Association (1993-Present)
- President and founder of the Egyptian Society of Environment and Aquatic Animal Health (ESEAAH)
- Associate Editor in the African Journal of Pharmaceutical Sciences and Pharmacy (AJPSP).
- Associate Editor in Nature and Science journal.
- Editor in the Journal of Developmental Biology and Tissue Engineering (JDBTE).
- Associate Editor in Ecologia
- Associate Editor in Research Journal of Veterinary Sciences
- Associate Editor in Fisheries and Aquatic Sciences
- Associate Editor in Current Research in Bacteriology
- Reviewer at the Journal of Wildlife Disease (JWD)
- Reviewer at Cairo University Journal of Advanced Research (JAR)
- Reviewer at the Chinese Journal of Oceanology and Limnology (CJOL)
- Reviewer at the African Journal of Pharmaceutical Sciences and Pharmacy (AJPSP)
- Reviewer at Aquaculture Research Journal (ARJ)

### **Professional Qualifications**

#### Conferences

- 1) First record of *Renibacterium salmoninarum* isolation from the Sea Lamprey (*Petromyzon marinus*). Presented in the 29<sup>th</sup> Annual Eastern Fish Health Workshop. Session 2 (Unusual Diagnostic Cases). Atlantic Beach, North Carolina, USA (2004).
- 2) Furunculosis in the Sea Lamprey (*Petromyzon marinus*) in Lake Ontario. Presented in the 30<sup>th</sup> Eastern Fish Health Workshop. General Session 2 (Diagnostic Case Report Part II). Kearneysville, West Virginia, USA (2005).
- 3) Clinical Infection with *Aeromonas salmonicida* in Adult Great Lakes Sea Lamprey (*Petromyzon marinus*). Poster session. In the Annual Meeting of Great Lakes Fisheries Commission. East Lansing, Michigan, USA (2005).
- 4) First Joint Scientific Congress of the Egyptian Society of Animal Management (ESAM) and Egyptian Veterinary Nutrition Association (EVNA) " The role of Veterinary Medicine in Animal, Poultry , and Fish Wealth Development" .Giza, Egypt 30-31 October 2006.

- 5) A contribution on myxosoma Infection in Cultured *Oreochromis niloticus* in Lower Egypt. Presented in the first annual conference of the Central Laboratory for Aquaculture (Modern Attitudes in Tilapia Aquaculture), Sharm Al-Sheikh, Egypt 13 – 15 December 2006.
- 6) Fertility and Fertility Disorders in Fish Populations. Presented at the 19<sup>th</sup> Annual Conference of the Egyptian Society for Animal Reproduction and Fertility. Hurghada, Egypt (2007).
- 7) First International Conference of Faculty of Veterinary Medicine, Cairo University “Emerging Zoonotic Diseases and Human Health”. Sharm El Sheikh 24 - 27 April, 2007.
- 8) Second Scientific Congress of the Egyptian Society of Animal Management (ESAM) .Giza, Egypt 29 -31 October 2006.
- 9) Third Scientific Congress of the Egyptian Society of Animal Management (ESAM) .Giza, Egypt 27 - 29 October 2008.
- 10) “The Use of Molecular Tools in Diagnosis of Fish Diseases” in the 1<sup>st</sup> workshop of Biotechnology and Genetics in Aquatic Animals in the Nobel Project at NRC, Dokki, Egypt (2008).
- 11) 8<sup>th</sup> International Tilapia Aquaculture Symposium (ISTA 8) at Cairo International Conventional Center, Egypt, 13-15 October 2008.
- 12) Third International Conference on Natural Toxins (ESNT) at Police Club, El-Gejera, Cairo, Egypt, 16-18 December 2008.
- 13) "The Use of Molecular Tools in Diagnosis of Bacterial Fish Diseases". Presented at the 21<sup>th</sup> Annual Conference of the Egyptian Society for Animal Reproduction and Fertility. Hurghada, Egypt, 7-11 February 2009.
- 14) "A comparative study on spawning-induction agents, Ovaprim and Carp Pituitary Extract in the Common Carp (*Cyprinus carpio*).Presented at the 21<sup>th</sup> Annual Conference of the Egyptian Society for Animal Reproduction and Fertility. Hurghada, Egypt, 7-11 February 2009.
- 15) 9<sup>th</sup> International Tilapia Aquaculture Symposium (ISTA 9) at Cairo International Conventional Center, Egypt, 24-26 October 2009.
- 16) Second International Conference of Faculty of Veterinary Medicine, Cairo University “CURRENT CHALLENGES AND FUTURE PROSPECTS OF VETERINARY MEDICINE” Hurghada 19 - 22 October, 2009.
- 17) “RNA, DNA and Proteins” in the 1<sup>st</sup> workshop of Principals and Applications of Biotechnology at the Training Center, NRC, Dokki, Egypt (October 2009).
- 18) Cairo University Fifth International Conference of Scientific Research and its Applications. Cairo University Convention Conference Center. Cairo University, ١2 – 24 December 2009.



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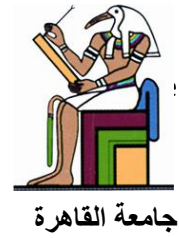
- 19) The impact of global climatic changes on the aquatic environment. Urban Environmental Pollution - UEP 2010 "Overcoming Obstacles to Sustainability and Quality of Life". Boston, USA. June 20-23, 2010
- 20) First Record of Mycobacteriosis in the dusky grouper, *Epinephelus marginatus* (Lowe, 1834) in Egyptian coastal waters. Proceedings of the World Aquatic Veterinary Medical Association Annual Conference, Athens, Greece, 11 -14 July 2010.
- 21) Fish Mass Mortalities in the Egyptian Waters. 4th Scientific Congress of the Egyptian Society of Animal Management (ESAM) .Giza – Rass Sadr, Egypt 25 -28 October 2010.
- 22) Cairo University First International Symposium for Scientific Research. Cairo University Convention Conference Center. Cairo University, 13 – 16 December 2010.
- 23) The 6<sup>th</sup> Annual meeting of The Academy of Sciences for the Developing World - Arab Regional Office (TWAS-ARO) "*Linking Research Institutions, Universities, and Industry in the Arab World*". Bibliotheca Alexandrina, 22-23 December 2010.
- 24) "Influenza pandemics and Aquatic Animals: Ecological and Epidemiological perspectives" at the Third International Conference of Faculty of Veterinary Medicine, Cairo University "Veterinary Medicine at the interface of Ecosystem conservation and Public Health", Hurghada, 16 – 18 May 2011.
- 25) "First report of type A - Avian Influenza in red swamp crayfish (*Procambrus clarkii*) from earthen pond facilities in Sharkiya Province, Egypt" at the Third International Conference of Faculty of Veterinary Medicine, Cairo University "Veterinary Medicine at the interface of Ecosystem conservation and Public Health", Hurghada, 16 – 18 May 2011.
- 26) "Isolation of *Candida albicans* during an environmental catastrophe of fish mass mortality at Mariottayah stream, Egypt" at The Fourth Global Fisheries & Aquaculture Conference at the International Agricultural Convention Center (IACC), Dokki, Egypt , 3 – 5 October 2011.

### Training courses

- Toxicological Pathology (University of Guelph / Canada -2001)
- Advanced Principles of Toxicology (University of Guelph / Canada -2001)
- Chemical Hygiene and Laboratory Training Course (Michigan State University / USA -2003)
- Biological Safety and Laboratory Training Course (Michigan State University/ USA -2003)
- Tumor Biology of Fishes (American Fisheries Society – USGS National Fish Health Lab -2004)
- Research Ethics (Michigan State University / USA -2004)



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- Elsevier – Cairo University Scholarly Editing workshop. Cairo University New Central Library. Cairo University, Giza, Egypt, 14 December 2009.
- Electronic Course Design (E-Learning Center – Faculty of Engineering / Cairo University - 2009)
- Financial Operations Required for Research Projects (Cairo University Research Administration – 2010)
- AMIDEAST/Cairo University first workshop in a series of International Relations Development in University Study Abroad Programs. Faculty of Engineering Social Center- Cairo University, 29-30 December 2010.
- Quality Standards in Teaching (Faculty and Leadership Training Center – Cairo University- 2011)

### Computer Skills

- Acquainted with computer writing skills.
- Has a great experience in PowerPoint, Photoshop, Microsoft Office, Excel and Adobe Acrobat.

### Language Skills

- Speaks, writes and reads English very fluently.

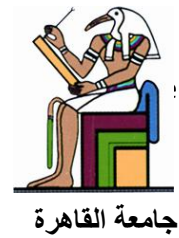
### **Projects:**

Principle Investigator of a 200 K – 18 months duration funded research project “Investigating the roles played by shrimp, freshwater crayfish and fish in the spread of Avian Influenza H5N1 under the Egyptian Territory”. The project started at February 2010. The project funded by the Science and Technology Fund Sector at Cairo University, Egypt.





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### Publications:

Journal's Publication		Conference's Publication		Authors			Total
Local	International	Local	International	Single	Shared		
					Internal	External	
1	19	1	8	2	13	13	29

### List of publications:

- 1) Isolation of *Flavobacterium psychrophilum* from sea lamprey, *Petromyzon marinus* L., with skin lesions in Lake Ontario. **Journal of Fish Diseases**. Volume 29, 2006, pp. 629–632
- 2) Bacterial Kidney Disease (BKD) In Michigan Salmonids. **Doctoral Dissertation**. College of Veterinary Medicine, Michigan State University, East Lansing, Michigan, USA (ISBN: 0-542-32305-2). 2005
- 3) Furunculosis in the Sea Lamprey (*Petromyzon marinus*) in Lake Ontario. **Proceedings of the 30th Eastern Fish Health Workshop**. General Session 2 (Diagnostic Case Report Part II). Kearneysville, West Virginia, USA (2005).
- 4) Clinical Infection with *Aeromonas salmonicida* in Adult Great Lakes Sea Lamprey (*Petromyzon marinus*). Poster session. **Annual Meeting of Great Lakes Fisheries Commission**. East Lansing, Michigan, USA (2005).
- 5) First record of *Renibacterium salmoninarum* In Sea Lamprey (*Petromyzon marinus*) From the Great Lakes Basin. **Journal of Wildlife Diseases**. Volume 42, Number 3, 2006, pp. 556-560





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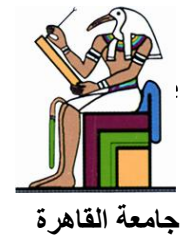


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- 6) A contribution on myxosoma Infection in Cultured *Oreochromis niloticus* in Lower Egypt. **Nature and Science**. Volume 4, Number 4, 2006, pp. 40-46
- 7) An Overview on Bacterial Kidney Disease. **Life Science Journal**. Volume 3, Number 3, 2006, pp. 58-78
- 8) Isolation of *Aeromonas salmonicida* from sea lamprey (*Petromyzon marinus*) with furuncule-like lesions in Lake Ontario. **Journal of Wildlife Diseases**. Volume 43, Number 4, 2007, pp. 618–622
- 9) Prevalence and Shedding of *Renibacterium salmoninarum* In Brook Trout (*Salvelinus Fontinalis*) in Michigan. **Nature and Science**. Volume 5, Number 1, 2007, pp.8 -17
- 10) Fertility and Fertility Disorders in Fish Populations. **Aquaculture Health International**. Issue 10, 2007, pp.15
- 11) Field trial evaluation of povidone iodine as an effective disinfectant for different stages of returning spawners salmon. **Life Science Journal**. Volume 4, Number 3, 2007, pp. 87 – 93
- 12) *Yersinia ruckeri* infection in cultured Nile tilapia (*Oreochromis niloticus*) from semi-intensive fish farm in Lower Egypt. **African Journal of Aquatic Science**. Volume 3, Number 3, 2008, pp. 283–286.
- 13) An approach to radiographic imaging as a tool for documenting the deformities associated with *Aspergillus ochraceus* mould and its extracted metabolites in some cultured freshwater fishes. Abstract. **Proceeding of the Third International Conference on Natural Toxins**. El-Gezera, Cairo, Egypt, 16-18 December 2008.
- 14) Diagnostic Testing Patterns of *Renibacterium salmoninarum* in Spawning Salmonid Stocks in Michigan. **Journal of Wildlife Diseases**. Volume 45, Number 2, 2009, pp. 447– 456
- 15) A comparative study on spawning-induction agents, Ovaprim and Carp Pituitary Extract in the Common Carp (*Cyprinus carpio*). **Proceeding of the 21<sup>th</sup> Annual Conference of the Egyptian Society for Animal Reproduction and Fertility**. Hurghada, Egypt, 7-11 February 2009.
- 16) Identification of some skeletal deformities in some freshwater teleost raised Egyptian aquaculture. **Chemosphere**. Volume 77, 2009, pp. 419– 425
- 17) Recovery of *Renibacterium salmoninarum* from naturally infected salmonine stocks in Michigan using a modified culture protocol. **Cairo University Journal of Advanced Research**. Volume 1, 2009, pp. 95-101
- 18) Assessment of acute and chronic toxicity of sodium cyanide on some Egyptian freshwater fishes. **Proceedings of the 2nd Global Fisheries and Aquaculture Research Conference, Cairo International Convention Center**, 24-26 October 2009 pp. 113-127.
- 19) Assessment of *Renibacterium salmoninarum* Infection in Four Lake Whitefish (*Coregonus clupeaformis*) Stocks from Northern Lakes Huron and Michigan. **Journal of Great Lakes Research**. Volume 36, 2010, pp. 29-37
- 20) *Flavobacterium columnare* / *Myxobolus tilapiae* concurrent infection in the earthen pond reared Nile tilapia (*Oreochromis niloticus*) during the early summer. **Interdisciplinary Bio Central (IBC)**. Volume 2, Number 2, 2010, pp. 1-9



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- 21) First Record of Mycobacteriosis in the dusky grouper, *Epinephelus marginatus* (Lowe, 1834) in Egyptian coastal waters. **Proceedings of the World Aquatic Veterinary Medical Association Annual Conference, Athens, Greece, 11 -14 July 2010.**
- 22) Characterization of Novel *Flavobacterium* spp. Involved in the Early Mortality Syndrome of the Coho salmon (*Oncorhynchus kisutch*). **Journal of Aquatic Animal Health.** 2010 (Under review)
- 23) High Prevalence of Buccal Ulcerations in Large Mouthbass, *Micropterus salmoides* (Centrarchidae) from Michigan Inland Lakes Associated with *Myxobolus* *lugubris* Leidy 1851 (Annelida : Hirudinea). **Parasite**, 2011, volume 18, pp. 79-84
- 24) The impact of global climatic changes on the aquatic environment. **Procedia Environmental Sciences.** 4 (251-259), 2011.
- 25) Assessment of the immune status of Nile tilapia (*Oreochromis niloticus*) experimentally challenged with toxogenic / septicemic bacteria during treatment trial with Florfenicol / Enrofloxacin. **World Journal of Fish and Marine Sciences.** 3 (1): 21-36, 2011
- 26) Spread of the Emerging Viral Hemorrhagic Septicemia Virus Strain, Genotype IVb, in Michigan, USA. **Viruses** (under review).
- 27) Field assessment of the mid winter mass kills of trophic fishes at Mariotteya stream, Egypt: chemical and biological pollution synergistic model. **Chemosphere** (Submitted)
- 28) Isolation of *Candida albicans* during an environmental catastrophe of fish mass mortality at Mariotteyah stream, Egypt” **Proceedings of the Fourth Global Fisheries & Aquaculture Conference**, Dokki, Egypt, 3 – 5 October 2011.
- 29) “Influenza pandemics and Aquatic Animals: Ecological and Epidemiological perspectives” **Proceedings of The Third International Conference of Faculty of Veterinary Medicine, Cairo University “Veterinary Medicine at the interface of Ecosystem conservation and Public Health”**, Hurghada, 16 – 18 May 2011.
- 30) “First report of type A - Avian Influenza in red swamp crayfish (*Procambrus clarkii*) from earthen pond facilities in Sharkiya Province, Egypt” **Proceedings of The Third International Conference of Faculty of Veterinary Medicine, Cairo University “Veterinary Medicine at the interface of Ecosystem conservation and Public Health”**, Hurghada, 16 – 18 May 2011.
- 31) Epidemic mortalities in the dusky grouper, *Epinephelus marginatus* (Lowe, 1834) in Egyptian coastal waters. **Egyptian Journal of Aquatic Biology and Fisheries.** Vol. 15, No. 3: 111-122 (2011)