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## **HIGHLIGHTS OF QUALIFICATIONS**

- Chairperson of the Department of Aquatic Animal medicine and Management, Faculty of Veterinary Medicine, Cairo University.
- Holder of a Ph.D. in Aquatic Animal Health from College of Veterinary Medicine, Michigan State University, USA.
- Holder of a graduate diploma in Molecular Pathology from Michigan State University, USA.
- Holder of a Masters in Vet Sciences "Fish Diseases" from Cairo Univ.
- Holder of a B.V.Sc. degree from Faculty of Veterinary Medicine, Cairo University accredited to D.V.M. degree by the World Education Services, USA (May, 2004).
- Extensive teaching and research experiences in Aquatic Animal Health, Aquatic Animal Pathology, Aquatic Microbiology, Aquatic Toxicology, Environmental Pollution, Aquatic Molecular Diagnostics, and Aquatic Molecular Epidemiology.



- Section editor at the Turkish journal of Fisheries and Aquatic Sciences (TrJFAS) , Editor at the Journal of Fisheries and Aquatic Sciences, Developmental Biology and Tissue Engineering (JDBTE); African Journal of Pharmaceutical Sciences , Pharmacy (AJPSP), Research Journal in Microbiology and former executive editor of the International Journal of Veterinary Science and Medicine (IJVSM-Elsevier).
- Reviewer at Journal of Fish Diseases, Wildlife Disease (JWD), Aquaculture International, Fish & Shellfish Immunology , Cairo University Journal of Advanced Research (JAR) , Ecology and Ecotoxicology, Environmental Toxicology, Chinese Journal of Oceanology and Limnology (CJOL), African Journal of Biotechnology (AJB), Aquaculture Research Journal (ARJ) and Interdisciplinary Bio-Central (IBC).

## RELEVANT SKILLS AND EXPERIENCE

### Teaching Experience

#### ❖ Cairo University

- Teaching the curricular undergraduate fish disease course FDM406 (2006-Currently).
- Teaching / course coordinator for the curricular graduate courses Aquatic animal Medicine and Management, "Diseases of Crustaceans and Bivalves", "Biological Indicators of Fish Diseases", "Epidemiology of Fish Diseases", "Bacterial and Viral Diseases of Fish" and Aquatic Animal Immunology (2007-Currently).
- Teaching the elective undergraduate course FDM 12 "Special studies in Fish Diseases and Management" (2006-Currently).
- Participating in teaching the mandatory graduate course NDC 1000 "Scientific Research Skills and Ethics" (2012-2013-2016-2018-2019).
- Teaching the mandatory graduate course "Principles of Animal Research Ethics "to doctoral students of Faculty of Agriculture, Cairo University (2017-2019).
- Program coordinator for the Professional Veterinary Program of Aquatic Animal Medicine and Management (2019-2020)
- Program coordinator for the Undergraduate Distinctive Veterinary Program of Aquatic Animal Medicine and Management (2019-2020)



#### ❖ University of Tripoli

- Taught / course coordinator for the curricular undergraduate “fish disease and management” course.
- Taught / course coordinator for the curricular graduate curricular course “MVI 605 - Fish Diseases and Management II”.
- Taught / course coordinator for the curricular graduate curricular course “MVI 609- Advanced Aquatic Immunology”.
- Taught / course coordinator for the curricular graduate course “MVFI 610- Viral - Diseases of Fishes”
- Taught / course coordinator for the curricular graduate course “MVFI 606 - Diseases of Crustaceans and Bivalves”

#### ❖ Aquaculture and Fish Technology Institute (Suez Canal University)

- Teaching / course coordinator for the curricular graduate “Shellfish viral diseases” course (2017).
- Teaching / course coordinator for the curricular graduate “Fish viral diseases” course (2017).
- Teaching / course coordinator for the curricular graduate “Fish Health Management” course (2017).
- Teaching / course coordinator for the curricular graduate “Aquatic Animal Diseases Management (Masters students)(2018).
- Teaching / course coordinator for the curricular graduate “Management (Fish and Shellfish Diseases Management (Diploma students) (2018).
- Teaching / course coordinator for the curricular graduate “Aquatic Animal Diseases Management (Doctoral students) (2019).
- Teaching / course coordinator for the curricular graduate “Special Problems in Aquatic Animal Diseases Management (Masters students)(2019).

#### Diagnostic Experience

- Aquatic Animal Health Expert , Microbiologist , Molecular Laboratory Diagnostician at the Fish Diseases and Management Laboratory (FDML), a diagnostic lab that belongs to the faculty of Veterinary Medicine, Cairo University (2005 – Current).
- Microbiologist and Molecular Laboratory Diagnostician at Aquatic Animal Health Lab, in the Department of Pathobiology and Diagnostic Investigation, College of Veterinary



Medicine, Michigan State University: Performing all kinds of microbiological assays, DNA based molecular assays and treatment trials (2001 – 2005).

- Chief Aquatic Veterinarian in charge of diagnosis and control of marine fish diseases in Suez Canal Company for Fisheries and Aquaculture.

### **Consulting Experience and Community Outreach**

- Consultant/ Referee at the Egyptian National Academy of Science and Technology for the Aquatic Animal Health Specialty (2010-2018).
- Medical Advisor to the Vodachem group for Veterinary Pharmaceuticals and chemicals, Elnozha Elgadidah, Cairo, Egypt (2009-2010).
- Member of the Egyptian scholar's selection committee at the Department of Missions and Cultural Affairs – Egyptian Ministry of Higher Education (2010-2013)
- Founder and President of the Egyptian Society of Environment and Aquatic Animal Health (ESEAAH).
- Council member of the Strategic and planning committee at The Egyptian Center for the Advancement of Science, Technology and Innovation (ECASTI).
- Aquatic Veterinary Consultant to the National Project of Fish Farming / Suez Canal Company for Fisheries and Aquaculture (2017-Currently).
- International Aquatic Veterinary Consultant to the Marine Aquaculture Development II (MADE II), an Italian Egyptian governmental project funded by SIHAM (2018-Currently).
- Director of the technical support & scientific office, Makka Company for fish feeds, training and consultancy (2019-Currently).
- Vice President of the National Council for Oceanography and Fisheries , National Academy of Science , Egypt.

### **Computer and Statistical skills**

- Acquainted with computer writing skills
- Has a great experience in PowerPoint, Photoshop, Microsoft Office, Excel and Adobe Acrobat.
- Has moderate experience in using a few statistical programs e.g. SPSS, Sigmastat.



## EMPLOYMENT HISTORY

<b>Chairperson</b> <b>Department of Aquatic Animal Medicine &amp; Management</b> Faculty of Veterinary Medicine, Cairo University	2018-Present
<b>Professor of Aquatic Animal Medicine &amp; Management</b> Faculty of Veterinary Medicine, Cairo University	2016 - Present
<b>Associate Professor of Fish Diseases &amp; Management</b> Department of Poultry & Fish Diseases, Faculty of Veterinary Medicine, University of Tripoli	2013 – 2016
<b>Associate Professor of Fish Diseases &amp; Management</b> Department of Fish Diseases & Management Faculty of Veterinary Medicine, Cairo University Cairo, Egypt	2010 – 2016
<b>Lecturer of Fish Diseases &amp; Management</b> Department of Fish Diseases & Management Faculty of Veterinary Medicine, Cairo University Cairo, Egypt	2005 – 2010
<b>Aquatic Veterinarian</b> Fish Diseases & Management Lab Faculty of Veterinary Medicine, Cairo University Cairo, Egypt	2005 – Present 1997-2000
<b>Microbiologist and Molecular Laboratory Diagnostician</b> Aquatic Animal Health Laboratory College of Veterinary Medicine, Michigan State University, East Lansing, MI, USA	2003 - 2004
<b>Teaching Assistant</b> Aquatic Animal Health Lab , East Lansing, MI Department of Pathobiology and Diagnostic Investigation, College of Veterinary Medicine, Michigan State University, MI, USA	2002 - 2005
<b>Assistant Lecturer</b> Department of Fish Diseases & Management , Faculty of Veterinary Medicine, Cairo University	1997 - 2000



<b>Demonstrator</b> Department of Fish Diseases & Management Faculty of Veterinary Medicine, Cairo University	1993 -1997
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## EDUCATION

<b>Ph.D. in Aquatic Animal Medicine</b> Department of Pathobiology and Diagnostic Investigation College of Veterinary Medicine, Michigan State University , East Lansing, MI, USA <b>Dissertation topic:</b> Bacterial Kidney Disease in Michigan Salmonids	2005
<b>Professional Diploma of Molecular Pathology</b> Medical Technology Program, Michigan State University , East Lansing, MI, USA	2005
<b>Masters of Veterinary Sciences</b> Department of Fish Diseases & Management Faculty of Veterinary Medicine, Cairo University, Cairo, Egypt. <b>Thesis Topic:</b> Effect of <i>Aspergillus ochraceus</i> mould and its extracted metabolites on the health status of some freshwater fishes in Egypt	1997
<b>Bachelor of Veterinary Sciences (D.V.M)</b> The Faculty of Veterinary Medicine, Cairo University	1993

## MEMBERSHIP OF PROFESSIONAL ORGANIZATIONS

- Member of American Fisheries Society (2003-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 Egyptian Veterinary Syndicate (1993-Present)
- Member of Egyptian Veterinary Medical Association (1993-Present).



- Member of the Cairo University Supreme Committee of Animal Research Ethics (2017- Present).
- Member of the Egyptian Society of Natural Toxins (2008 – Present)
- Vice President of the National Committee of Oceanography and Fisheries (2020- Present)
- Member of the National Council of Animal, Poultry and Fish Wealth (2021- Present)

### **REVIEWER JOB:**

- Aquaculture International (AIJ)
- Journal of Wildlife Disease (JWD)
- Fish & Shellfish Immunology
- Cairo University Journal of Advanced Research (JAR)
- Chinese Journal of Oceanology and Limnology (CJOL)
- African Journal of Pharmaceutical Sciences and Pharmacy (AJPSP)
- Aquaculture Research Journal (ARJ)
- Interdisciplinary Bio-Central (IBC)
- Ecology and Ecotoxicology (EETJ)
- Journal of Fish Diseases (JFD)
- Journal of Fisheries and Aquatic Sciences (JFAS)
- Egyptian Journal of Aquatic Research (EJAS)

### **EDITORIAL JOB:**

- Section Editor in Turkish Journal of Fisheries and Aquatic Sciences.
- Lead Guest Editor for special issue in BioMed Research International.
- Executive Editor for the "Middle East Journal of Veterinary Sciences and Medicine"
- Editor in the African Journal of Pharmaceutical Sciences and Pharmacy.
- Editor in the Journal of Developmental Biology and Tissue Engineering.



- Associate Editor in Ecologia
- Technical Editor in Research Journal of Veterinary Sciences
- Technical Editor in Fisheries and Aquatic Sciences
- Technical Editor in Current Research in Bacteriology
- Member at the Asian Council of Science Editors
- Former executive editor of the International Journal of Veterinary Science and Medicine (IJVSM-Elsevier).

## ACADEMIC AWARDS

- Awarded the **Ideal Student Award** of the faculty of the Veterinary Medicine, Cairo University in February 1992.
- Awarded the **Prize of the Research Distinction** at the Fish Disease session of the First Scientific Conference on Modern Attitudes in Aquaculture. Sharm El-Sheikh, Egypt 13 – 15 December 2006.
- Awarded the **International Publication Award of Cairo University** for the years 2006 - 2020.
- Awarded the **National Encouragement Award in Agricultural Sciences** from the Supreme Council of the Egyptian Academy of Science and Technology for the year 2008.
- Awarded the **Scientific Distinction Award in Interdisciplinary and Multi-specialty Sciences** from the Supreme Council of Scientific Research of Cairo University for the year 2010.
- Awarded the **Scientific Distinction Award in Agricultural Sciences** from the Supreme Council of Scientific Research of Cairo University for the year 2016.

## PROJECTS

1. Principle Investigator of a 200 K – 24 months 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 – finished by June





2012. The project was funded by the Science and Technology Fund Sector at Cairo University, Egypt. The following publication was the end result of the project's profound research: A.E. Eissa H .A. Hussein and M.M. Zaki. Detection of Avian Influenza (H5N1) In Some Fish and Shellfish from Different Aquatic Habitats across Some Egyptian Provinces.*LifeSci J* 2012; 9(3):2702-2712] (ISSN: 1097-8135).

2. Principle Investigator of a 100 K – 6 months research' project "The use of processed animal protein (PAP) in fish meal free diets for monoculture / monosex tilapia: A step towards the Egyptian blue revolution". The project started at January 2018 and has finished by January 2019. The project was funded by the Science and Technology Fund Sector at Cairo University, Egypt.
3. Principle Investigator of a 200 K – 18 months research' project "The national disaster of marine fish mass mortalities: possible etiologies and proposed control strategies". The project started at February 2021. The project was funded by the Science and Technology Fund Sector at Cairo University, Egypt. The following publication was the end result of the project's profound research: Catastrophic mass mortalities caused by Photobacterium damsela affecting farmed marine fish from Deeba Triangle, Egypt. *Aquaculture Research*. (2021) <https://doi.org/10.1111/are.15284>

## Books Publishing

- ❖ I have written / coauthored two educational books that are being taught to the bachelor students at Faculty of Veterinary Medicine, University of Tripoli, Libya:
  - Handbook of Fish Diseases (ISSN: 978-9959-53-111-7)
  - Practical Manual of Fish Diseases (ISSN: 978-9959-53-111-7)
- ❖ I have written / coauthored a professional aquatic veterinary guide in viral diseases of fish and shellfish under the title :
  - Selected Topics in Viral Diseases of Fish and Shellfish (Published through Lap Lambert Publishing Corporation).



- Clinical and Laboratory Manual of Fish Diseases (Published through Lap Lambert Publishing Corporation).

## THESES AND DISSERTATIONS SUPERVISION / REFEREEING

- I have supervised a total number of 15 Master theses and 7 Ph.D. dissertations in the field of fish diseases, aquatic animal microbiology and aquatic molecular diagnostics.
- I have refereed 8 masters / doctoral theses other than those I have supervised.

## SUPERVISION OF THE STUDENT ACTIVITIES

- Acted as an advisor to the very popular student group “**Smart Vet**” which was inaugurated in 2006. Smart Vet was engaged in many social, cultural and athletic student activities from 2006 through 2012.
- Official Advisor to the **Scouts and Public Services** committee of the faculty of Veterinary Medicine at Cairo University (2010-2012).

## CONFERENCES AND WORKSHOPS

- 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, 22 – 24  
December 2009.
- 19) Elsevier – Cairo University Scholarly Editing workshop. Cairo University New Central  
Library. Cairo University, Giza, Egypt, 14 December 2009.
- 20) 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
- 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) Fish Mass Mortalities in the Egyptian Waters. 4<sup>th</sup> Scientific Congress of the Egyptian  
Society of Animal Management (ESAM) .Giza – Rass Sadr, Egypt 25 -28 October 2010.
- 23) Cairo University First International Symposium for Scientific Research. Cairo University  
Convention Conference Center. Cairo University, 13 – 16 December 2010.
- 24) 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.
- 25) 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.
- 26) “ Quality Standards in Teaching “ A training workshop that was organized by the Faculty  
and Leadership Development Center of Cairo University – Cairo University 21-23 March ,  
2011.



- 27) "Molecular Biology " workshop organized by Zoology Department, Faculty of Science , Damietta branch of Mansoura University, Damietta, Egypt , 27 April 2011.
- 28) "Influenza pandemics and Aquatic Animals: Ecological and Epidemiological perspectives" presented 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.
- 29) "First report of type A - Avian Influenza in red swamp crayfish (*Procambrus clarkii*) from earthen pond facilities in Sharkiya Province, Egypt" presented 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.
- 30) Organized and lectured at the First Annual Workshop of the Egyptian Society of Environment and Aquatic Animal Health (ESEAAH) which came under the theme: Impact of Aquatic Animal Diseases on the Aquatic Environment: Health, Ecological and Epidemiological Perspectives . Faculty of Veterinary Medicine Convention Center, Cairo University , Giza , Egypt- 10 – 15 September 2011.
- 31) "Isolation of *Candida albicans* during an environmental catastrophe of fish mass mortality at Mariotteyah stream, Egypt" presented at The Fourth Global Fisheries & Aquaculture Conference at the International Agricultural Convention Center (IACC), Dokki, Egypt - 3 – 5 October 2011.
- 32) "Academic Program & Course Description " A workshop that was organized by Quality Assurance and Accreditation Center , Cairo University , Giza , Egypt- 23 January 2012.
- 33) " Reference and Data Management Using EndNote® X5 Software" A workshop that was hold at the Department of Zoology, Faculty of Science , Cairo University , Giza , Egypt - March, 12 , 2012.
- 34) Organized a workshop to discuss the results of the Cairo University funded research project titled " Investigating the possible roles played by shrimps , freshwater crayfish and fish in the spread of Avian Influenza (H5N1) at the Egyptian territory" , Faculty of Veterinary Medicine Convention Center, Cairo University , Giza , Egypt - February 15-16, 2012.
- 35) Organized and lectured at the 2<sup>nd</sup> Workshop of the Egyptian Society of Environment and Aquatic Animal Health (ESEAAH) which came under the theme: Laboratory Bacteriological Approach for Common Bacterial Diseases of Marine Fish and



Crustaceans. National Institute of Oceanography and Fisheries, Suez, Egypt- April 8-12, 2012.

- 36) Lectured at “Advanced techniques in Molecular Biology” A workshop that was organized by Zoology Department, Faculty of Science, Damietta branch of Mansoura University, Damietta, Egypt - May 8, 2012.
- 37) “ How to develop a Project Proposal” A training workshop that was organized by Alexandria Research Centre for Adaptation (ARCA), Alexandria University , Alexandria, Egypt – June 13-14, 2012.
- 38) Attended a module titled “Developing a personality of leadership” of the further domain “Advanced Training for Alumni” within DAAD Kairo Akademie, DAAD, Zamalek, and Cairo, Egypt – July 11, 2012.
- 39) Lectured at the regional workshop “New Techniques for Shrimp Culture” that was organized by League of Arab Nations, Arab Organization for Agricultural Development, Faculty of Veterinary Medicine, Cairo University, Giza, Egypt, 9 -11 September, 2012.
- 40) Attended “ Performance Evaluation and Bibliometrics” a workshop that was organized by the Academy of Scientific Research & Technology and Elsevier corporation, Academy of Scientific Research & Technology, Kasr Ainy , Cairo , Egypt , September 23, 2012.
- 41) Lectured a lecture titled “Aquaculture and aquatic disease surveillance in Egypt “at Workshop on finfish animal health and risk analysis in finfish aquaculture” Hosted by GFCM of FAO, Larnaca m Cyprus, October 1-5, 2018.
- 42) Lectured a lecture titled “ Enigmatic Syndrome of Egyptian Fish Mass Mortalities: Practical Models from Kafr Elsheikh and Damietta Provinces.” At “ Aqua Pond Nutrition Diseases and Management" hosted by The U.S. Soybean Export Council (USSEC) and the United Soybean Board (USB), Novotel Hotel - Airport Cairo – Egypt, September, 16<sup>th</sup> – 18<sup>th</sup> 2019
- 43) Lectured two lectures titled” Water Quality in Aquaculture” “ Biosecurity in fish farms and hatcheries” at the “ Fish Management Open sessions” hosted by VetBook veterinary charity organization, 16 November , 2019.



## PUBLICATIONS

### A.E. EISSA, A.EISSA, ALAA ELDIN EISSA, ALAA E. EISSA

- 1) 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.
- 2) 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).
- 3) 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).
- 4) 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
- 5) Isolation of *Flavobacterium psychrophilum* from sealamprey, *Petromyzon marinus* L., with skin lesions in Lake Ontario. **Journal of Fish Diseases**. Volume 29, 2006, pp. 629–632
- 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 (*Petromyzonmarinus*) with furuncle-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





- 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 Mortality of Coho Salmon (*Oncorhynchus kisutch*) in their Early Life Stages. **Aquaculture Research and Development (JARD)**. S2:004. doi:10.4172/2155- 9546.S2-005, 2011
- 23) High Prevalence of Buccal Ulcerations in Large Mouthbass, *Micropterus salmoides* (Centrarchidae) from Michigan Inland Lakes Associated with *Myxobolus* 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** 4, 734 -760.(2012)
- 27) Isolation of *Candida albicans* during an environmental catastrophe of fish mass mortality at Marioutteyah stream, Egypt” **Proceedings of the Fourth Global Fisheries & Aquaculture Conference**, Dokki, Egypt, 3 – 5 October 2011.
- 28) “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.
- 29) “First report of type A - Avian Influenza in red swamp crayfish (*Procambarus 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.
- 30) 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)



- 31) Field assessment of the mid-winter mass kills of trophic fishes at Mariotteya stream, Egypt: chemical and biological pollution synergistic model. **Chemosphere**. 90, 1061–1068 (2013)
- 32) Detection of Avian Influenza (H5N1) In Some Fish and Shellfish from Different Aquatic Habitats across Some Egyptian Provinces. **Life Science Journal**. 9(3):2702-2712 (2012).
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