



Ahmad Abd Elhady Elkamel

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Dept. of Aquatic Animal Medicine and Management
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- Qualifications:**
1. Outstanding management, organizational, communication, team leading, and IT skills.
 2. Excellent English proficiency skills with superb verbal, writing and reading abilities
 3. National and international networking with scientific bodies and research centers
 4. Remarkable skills in molecular genetics, immunology, and tissue culture.

- Education:**
1. Ph.D, Louisiana State University, USA, 2002
“Pathogenic Mechanisms of *Photobacterium damsela* subsp. *piscicida* in Hybrid Striped Bass”
<http://etd.lsu.edu/docs/available/etd-0414102-234031>
 2. BVSc, Assiut University, Egypt, 1993.

Administrative Experiences:

1. Dept. Head of Aquatic Animal Medicine and Management (2018-2024)
2. Director of the Aquatic Animal Medicine Unit (2018-2023)
3. Manager of the Training and Career Development for Faculty Staff Division, Education Enhancement Center, Assiut University (2008-2010)
4. Coordinator of “Career Center”, Faculty of Veterinary Medicine, Assiut University (2009-2016).

Administrative Achievements:

1. Establishing the Dept. of Aquatic Animal Medicine and Management in 2017
2. Establishing the Aquatic Animal Medicine Unit in 2018
3. Leading the team of the Aquatic Animal Medicine Unit to get internationally certified, ISO17025
4. Leading the team of Aquatic Animal Medicine and Management Dept to win the “best research lab in Assiut University” award for the year 2021

Present Position: Professor of Aquatic Animal Medicine and Management.

Tasks and responsibilities: I help teach the fish diseases and management courses for undergraduate and post graduate students. I supervise master and PhD programs, and conduct research in the field of fish diseases and immunology.

Duration: Jan. 2013 – present

Previous Positions:

1. Associate Professor of Aquatic Animal Medicine and Management, Dept. of Animal Medicine, Faculty of Veterinary Medicine, Assiut University.

Duration: Sep. 2007 – Jan. 2013

2. Instructor of Aquatic Animal Medicine, Dept. of Animal Medicine, Faculty of Veterinary Medicine, Assiut University.

Duration: Sep 2002 – Sep 2007

3. Demonstrator (TA) of Aquatic Animal Medicine, Dept. of Animal Medicine, Faculty of Veterinary Medicine, Assiut University.

Duration: April 1994 – Sep 2002

Fellowships:

1. Distinguished scholar award, from February 2011 to August 2011 at the Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University.

2. Junior scientist development visit program, from April 2006 to September 2006 at the Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University.

Research Interest:

Explore fish bacterial pathogenesis and potential virulence factors at the molecular level, bacterial genetics and fish immunology and vaccines.

Research Experience:

My research involves studying the pathogenesis of fish bacterial pathogens and the potential virulence factors at the molecular level. I apply new and advanced techniques in molecular biology. Signature Tagged Mutagenesis, *in vitro* killing assays using fish macrophages and Transmission Electron Microscopy are some of the techniques that I am applying to explore the molecular basis of the interaction between the bacteria and the host.

Selected publications:

1. Bakry, K.A., Emeish, W.F., Embark, H.M., **Elkamel, A.A.** and Mohammed, H.H., (2024). Expression profiles of four Nile Tilapia innate immune genes

- during early stages of *Aeromonas veronii* infection. *Journal of Aquatic Animal Health*, 00, 1–17
2. Alamira Marzouk Fouad, **Ahmad A Elkamel**, Sherif Ibrahim, Mansour El-Matbouli, Hatem Soliman, Ebtsam Sayed Hassan Abdallah (2022). Control of spring viremia of carp in common carp using RNA interference. *Aquaculture* 559:738417
 3. Fouad AM, Soliman H, Abdallah ESH, Ibrahim S, El-Matbouli M, **Elkamel AA** (2019). In-vitro inhibition of spring viremia of carp virus replication by RNA interference targeting the RNA-dependent RNA polymerase gene. *J Virol Method.* 263:14-19
 4. Matthew L. Rogge1, Lidiya Dubytska1, Tae Sung Jung, Judy Wiles, **Ahmad A. Elkamel**, Amelia Rennhoff, Dang Thi Hoang Oanh, and Ronald L. Thune (2013). Diseases of Aquatic Organisms. Comparison of Vietnamese and US isolates of *Edwardsiella ictaluri*, 106: 17–29
 5. **Ahmad A. Elkamel** and Gamal M. Mosaad (2012). Immunomodulation of Nile Tilapia, *Oreochromis niloticus*, by *Nigella sativa* and *Bacillus subtilis*. *Journal of Aquaculture Research & Development*, 3:147 doi:10.4172/2155-9546.1000147
 6. **Ahmad A. Elkamel** and Amr M. Mohamed (2012). Differential Identification of *Flavobacterium sp.* by Sequence Analysis of Genus-Specific Hypervariable 16S-23S rDNA Intergenic Spacer Target. *World Journal of Fish and Marine Sciences*, 4 (6): 597-603.
 7. Natha J. Booth, **Ahmad A. Elkamel**, Ronald. L. Thune (2006). Intracellular Replication of *Edwardsiella ictaluri* in Channel Catfish Macrophages. *Journal of Aquatic Animal Health*, 18: 101-108
 8. **Ahmad A. Elkamel** and Ronald L. Thune (2003). Invasion and Replication of *Photobacterium damsela* subspecies *piscicida* in Fish Cell Lines. *Journal of Aquatic Animal Health*, 15: 167-174
 9. **Ahmad A. Elkamel**, John P. Hawke, William G. Henk, and Ronald L. Thune (2003). *Photobacterium damsela* subspecies *piscicida* Is Capable of Replicating in Hybrid Striped Bass Macrophages. *Journal of Aquatic Animal Health*, 15: 175-183

Awards and Honors:

1. Best paper presented in the 4th Global Fisheries and Aquaculture Research Conf., Cairo, 2011. Nocardiosis in the Red Swamp Crayfish, *Procambarus clarkii*.
2. One of the best six papers published in 2003 in The Journal of Aquatic Animal health, USA. “*Photobacterium damsela* subspecies *piscicida* Is Capable of Replicating in Hybrid Striped Bass Macrophages” *Journal of Aquatic Animal Health*, 15: 175-183
3. 2nd Place Award for poster presentation in Ph.D. graduate student category in The Phi Zeta Research Emphasis Day (2001).