



Curriculum Vitae



Personal Identity:		
Given name	Amira Alaa El-Dein Zakaria Mostafa Omar	
Surname	Omar	
Sex	Female	
Date of birth	1 st -April -1982	
Nationality	Egyptian	
Place of work	Department of Fish Diseases and Management, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt	
Current Position	Associate Professor of Fish Diseases and Management	
Address of work	El-Geish Street - 33516, Kafr El-Sheikh, Egypt	
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Marital state	Married + 3 children	
Academic Qualifications	B.V.Sc	Tanta University, Kafrelsheikh Branch; 2004. Veterinary Medical Science. with grade of very good with honor grade
	M.V.Sc	Kafrelsheikh University, 30/6/2008. Fish Diseases and Management.
	Ph.D	Kafrelsheikh University, 29/12/2014.



		Fish Diseases and Management.
Professional Positions	Demonstrator	From 2005 till 29/6/2008
	Assistant Lecturer	From 30/6/2008 till 28/12/2014
	PhD scholarship	Joint supervision, Hiroshima university, Japan From 3/11/2012 till 30/10/2013.
	Lecturer	From 29/12/2014 till now.
	Postdoctoral research fellowship	University of Stirling, Institute of Aquaculture, Scotland, UK from 28/9/2018 to 28/12/2018
	Associate Professor	28/1/2020 to now
E-mail:	amira_vet2007@yahoo.com amira.vet2015@gmail.com amira.mostafa@kfs.edu.eg	
Major Specialization:	Veterinary Medical Sciences	
Minor Specialization:	Fish Diseases and Management	

Education:-

Sept. 2000 to May-2004	Undergraduate student, Faculty of Veterinary Medicine, Tanta University, Kafrelsheikh branch, Egypt
May-2004	Obtained License for Veterinarian
June-2008	Obtained Master's degree of Veterinary Medicine, Kafrelsheikh University, Egypt
June-2008 to Nov. 2012	Doctor Course Student (Fish Diseases and Management), Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
Nov.-2012 to Oct.-2013	PhD student, Hiroshima University, Japan.
Dec.-2014	Obtained PhD's degree of Veterinary Medicine, Kafrelsheikh University, Egypt



Employment history:-

2005 to 2008	Demonstrator, Department of Fish Diseases and Management, Faculty of Veterinary Medicine, Tanta University, Kafrelsheikh branch, Egypt
2008 to 2014	Assistant Lecturer, Department of Fish Diseases and Management, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
2012 to 2013	PhD student, Hiroshima University, Japan.
2014 to 27/1/2020	Lecturer, Department of Fish Diseases and Management, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
28/1/2020 to now	Associate Professor, Department of Fish Diseases and Management, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt

Languages:

- **English:** Full proficiency
- **Arabic:** Native speaker

Theses:

Master: Studies On Spring Viremia Disease In Fresh Water Fish In Kafr El-sheikh Governorate, 2008.

PhD: Molecular characterization of Aeromonas hydrophila strains isolated from diseased marine and fresh water fish, 2014.

Publications:

1. **Gado, M.S.M.; Saad, T.T. and Alaa El-Dein, A. (2015):** Primary isolation and characterization of spring viremia of carp virus (SVCV) from cultured fish in kafrel-sheikh governorate. American Journal of Life Science Researches, 3(1):128-139.
2. **Zayed, M. M.A.; Khalil, R.H.; Saad, T.T. and Omer, A. A.Z. (2015):** Role of Some Herbs in Controlling Aflatoxicosis in Cultured Oreochromis niloticus. World Journal of Fish and Marine Sciences, 7 (4): 325-333.



3. **Moustafa E. M.; Omar A. A. & Abdo W. S. (2016):** Insight into the virulence-related genes of *Edwardsiella tarda* isolated from infected freshwater fish in Egypt. [World's veterinary journal](#), 6 (3): 100-108, September 25.
4. **Omar A. A., Moustafa E. M. & Zayed M. M. (2016):** Identification and Characterization of Virulence- Associated Genes from Pathogenic *Aeromonas Hydrophila* Strains. [World's veterinary journal](#), 6 (4): 185-192, December 25.
5. **Amira Alaa El-Dein Omar, Eman Moustafa Moustafa, Etab M. Abo-Remela and Mohamed Mamdouh Zayed (2017):** Prevalence, Molecular Characterization, Pathogenicity and Antimicrobial susceptibility of *Pseudomonas fluorescens* isolated from *Oreochromis niloticus*. [Life Science Journal](#), 14(8). Pp: 53-61.
6. **Dawood, M. A.O.; Koshio, S.; El-Sabagh, M.; Billah, M.M.; Zaineldin, A. I.; Zayed, M.M. and Omar, A.A. (2017):** Changes in the growth, humoral and mucosal immune responses following β -glucan and vitamin C administration in red sea bream, *Pagrus major*. [Journal of Aquaculture](#), (470): 214–222.
7. **Marwa F. Abd El-Kader, Eman M. M. Moustafa and Amira A.Z. Omar (2017):** Assessment of single and combined co-infection of *Aeromonas hydrophila* and *Vibrio parahaemolyticus* on disease pathogenicity in *Oreochromis niloticus*. [The 1st International conference & exhibition sustainable development of Aquaculture. Abbassa International Journal for Aquaculture](#), 1: 104-130.
8. **Khalil R. H, Diab A. M, Shakweer M. S , Ghetas H. A, Khallaf M M and Omar A. AE-D (2018):**New perspective to control of tenacibaculosis in sea bass *Dicentrarchus labrax* L. [Aquaculture Research](#), 49(2):1–9.
9. **Khalil R. H, Shakweer M. S, Ghetas H. A, Khallaf M., El Shanat S. and Omar A. AE-D , (2018):**Seasonal Parasitic Infestations and their Close Relationship to Immune Suppression in Cultured Sea Bass (*Dicentrarchus labrax* L) and Sea Bream (*Sparus auratus*). [Biomedical Journal of Scientific & Technical Research](#), 6(4):1-9.
10. **Zizy I. Elbially, Doaa H. Abdelhady, Amira A. Omar, Mohamed M. Zayed, Mustafa Shukry (2018):** Effect of Using Sodium Carbonate Peroxyhydrate (OXY-SOS™) as an Alternative Source of Oxygen on Different Parameters in Nile Tilapia (*Oreochromis Niloticus* L.). [AJVS.](#), 59(1): 25-36.



11. **Mahmoud A.O. Dawood, Mustafa Shukry, Mohamed Mamdouh Zayed, Amira Alaa El-Dein Omar, Amr I. Zaineldin, Mohammed F. El Basuini (2019):** Digestive enzymes, immunity and oxidative status of Nile tilapia (*Oreochromis niloticus*) reared in intensive conditions. [Slov Vet Res](#), 56 (Suppl 22): 99–108.
12. **Ahmed Mansour, Nadia B. Mahfouz, Mona M. Husien, Amira A. E. Z. M. Omar and Eman M. Moustafa (2019):** Molecular characterisation and pathogenicity evaluation of *Aeromonas hydrophila* strains isolated from cultured tilapia *Oreochromis niloticus* in Egypt. [Indian J. Fish.](#), 66(2): 93-100
13. **Eman M Moustafa, Mahmoud AO Dawood, Doaa H Assar, Amira A Omar, Zizy I Elbially, Foad A Farrag, Mustafa Shukry, Mohamed M Zayed (2020):** Modulatory effects of fenugreek seeds powder on the histopathology, oxidative status, and immune related gene expression in Nile tilapia (*Oreochromis niloticus*) infected with *Aeromonas hydrophila*. [Aquaculture](#), 515: 734589.
14. **Mahmoud AO Dawood, Safaa E Abdo, Mahmoud S Gewaily, Eman M Moustafa, Moustafa S SaadAllah, Marwa F AbdEl-Kader, Awatef H Hamouda, Amira A Omar, Rasha A Alwakeel (2020):** The influence of dietary β -glucan on immune, transcriptomic, inflammatory and histopathology disorders caused by deltamethrin toxicity in Nile tilapia (*Oreochromis niloticus*). [Fish & Shellfish Immunology](#), 98: 301-311.
15. **Abd-Allah A. Mokhbatly, Doaa H. Assar, Emad W. Ghazy, Zizy Elbially, Sally A. Rizk, Amira A. Omar, Alkhateib Y. Gaafar and Mahmoud A. O. Dawood (2020):** The protective role of spirulina and β -glucan in African catfish (*Clarias gariepinus*) against chronic toxicity of chlorpyrifos: hemato-biochemistry, histopathology, and oxidative stress traits. [Environmental Science and Pollution Research](#), <https://doi.org/10.1007/s11356-020-09333-8>.
16. **Abdel-Hay M. Abdel-Hay, Wasseem Emam, Amira A. Omar, Wael F. Eltras and Radi A. Mohamed (2020):** The effects of rearing water depths and feed types on the growth performance of African catfish (*Clarias gariepinus*). [Aquaculture Research](#), 51:616–622.
17. **Haneen A. Ghazy, Abeer F. El-Nahas, Shawky A. Mahmoud, Hanan A. Fahmy, Ramadan A. El-Domany, Hoda E. Mahmoud and Amira A. Omar (2020):** Characterization of *Pseudomonas aeruginosa* ghost and evaluation of its immune proficiency in Nile tilapia (*Oreochromis niloticus*). [Aquaculture International](#), 28:2517–2529.



18. **Mostafa Ali Elmadawy, Walied Abdo, Amira Alaa El-Dein Omar, and Nadia B. Mahfouz (2020):** S-Methyl Cysteine Protective Effects in *Oreochromis Niloticus* Fish Contaminated by Thiobencarb Herbicide. **World Vet J.**, 10(4): 551-561.
19. **Eman M. Moustafa, Marwa F. Abd El-Kader, Montaser M. Hassan, Ahmed F. Fath El-Bab, Amira Omar, Foad Farrag, Ahmed G. Gewida, Mohamed F. Abd-Elghany, Mustafa Shukry, Rasha A. Alwakeel (2020):** Trial for use nanoselenium particle with different dietary regime in *Oreochromis niloticus* and *Mugil cephalus* polyculture ponds: Growth efficiency, haematological, antioxidant, immunity and transcriptional analysis. **Vet Med Sci.**, pp:1–12.
20. **Eman M. Moustafa, Foad A. Farrag, Mahmoud A. O. Dawood, Khalid Shahin, Ahmad Hamza, Olivier Decamp, Radi Mohamed, Mabrouk Elsabagh, Mahmoud Eltholth, Amira A. Omar (2021):** Efficacy of *Bacillus* probiotic mixture on the immunological responses and histopathological changes of Nile tilapia (*Oreochromis niloticus*, L) challenged with *Streptococcus iniae*. **Aquaculture Research.**, 52:2205–2219.
21. **Marwa F. Abd El-Kader, Mustafa Shukry, Mahmoud A. O. Dawood, Mohamed M. Hassan, Foad Farrag, Amira Omar, Hanan B. El-Sawy, Mohamed A. Abd Alaziz, Hazem S. Hamouda, Mohamed F. Abd -Elghany, Eman M. Moustafa (2021):** Ameliorative effect of dietary lipopolysaccharides on *Oreochromis niloticus* juveniles submitted to aflatoxin B1-induced oxidative stress and bacterial challenge. **Aquaculture Research**, 52:3660–3676.

Attended conferences:

1. Scientific meeting entitled (Diseases Problems of Fish Farms), Kafr El-Sheikh University, May 18, 2014, Egypt.
2. Kafr EL-Sheikh, Vet. Med. J., 4th Scientific Congress. 12-14 May, 2016, Alexandria, Egypt
- 3 The 1st International conference & exhibition sustainable development of Aquaculture. Abbassa 20-22 November 2017,.Cairo, Egypt.
4. Kafr EL-Sheikh, Vet. Med. J., 5th Scientific Congress. 5-9 March, 2019, Hurghada, Egypt.

Skills

Analysis and problem solving	Project organisation.
Ability to work in a team.	Community and social skills
Time management.	Written and oral communication
Self-management	Research and training skills.
Microsoft office and statistics	Fish immunology, Microbiology, Molecular diagnostics.



Training programs:

1. Holding **ICDL** certificate from nearly 7 years ago.
2. Holding international **TOEFL** certificate, Tanta branch on January-2010
3. Obtaining several training programs of **FLDP** and **IFLDC** such as:

1. University Staff Qualifying.	10. Time and work stress management.
2. Codes of Ethics.	11. Thinking.
3. Developing Thinking skills.	12. Legal aspects in University Environment.
4. Legal Aspects of Universities.	13. Effective Presentation Skills
5. Effective Communication.	14. Using of technological Teaching.skills
6. Scientific Research.	15. Exams Systems and students Evaluation.
7. Effective Teaching.	16. Scientific conferences Preparation.
8. Competitive Research Projects.	17. Credit Hours.
9. Advanced Scientific Research.	

- 4 Obtaining several training programs of **ICTT** application of regulations and control subjects.
- 5 Participant in the **4th Scientific Conference of the Faculty of Veterinary Medicine, Kafrelsheikh University** on 12th-14th-May-2016.
- 6 Participant in the **Scientific Symposium entitled "Disease problems in fish farms of Kafrelsheikh Governorate"** hold in the Faculty of Veterinary Medicine, Kafrelsheikh University on 18th-May-2014.
- 7 Participant in The 2nd meeting for (**Aquaculture Development Group**) of The Egyptian Veterinary Medical Syndicate held on 5th August, 2017.
- 8 Participant in The 1st **Aquaculture Workshop** of The Egyptian Veterinary Medical Syndicate held on 9th September, 2017.
- 9 Teaching the course fish diseases and management to students of Faculty of Agriculture, Kafrelsheikh University.2015-2017
- 10 Teaching the **course fish diseases and management to Algerian master students** 2017/2018
- 11 Attendance of **Fish welfare course**, institute of aquaculture, Stirling University 8/11/2018
- 12 **Postdoctoral research fellowship**, University of Stirling, Institute of Aquaculture, Scotland, UK from 28/9/2018 to 28/12/2018
- 13 Participant in the **5th Scientific Conference of the Faculty of Veterinary Medicine, Kafrelsheikh University** on 5th-9th-March-2019.
- 14 Attend the course of **training of trainers (TOT)** on the web of science database, which was held in the period from 14-15 september 2019 at the conference center in the university city of cairo university.



Memberships:

- 1-Member of the Egyptian Veterinary Medical Syndicate.
- 2- Member of the Egyptian Association for Parasitology.
- 3- Member of the Arab Society for Aquaculture.

Projects:

1. Participant in a project (Behavioural prophylaxis informing improved culture system design and management for enhanced fish health and sustainable intensification of Egyptian tilapia industry) funded by the British Council bet. Stirling University, Institute of aquaculture, Scotland, UK and Kafrelsheikh University, Egypt from 2016 to 2018.
2. Participant in a projet (Understanding gene-environment interactions in the Tilapia, *Oreochromis niloticus*, to develop of health and welfare biomarkers for point of care diagn) funded by the Transnational Access (TNA) scheme of the EU AquaExcel 2020 project in Stirling University, Institute of Aquaculture, Scotland, UK. 2018.

Signature

Dr.Amira Alaa El-Dein Zakaria Mostafa Omar

Associate professor of Fish Diseases and Management, Department of Fish Diseases and Management, Faculty of Veterinary Medicine, Kafr El-Sheikh University, Egypt.