

## Curriculum Vitae

### *Personal Information*

**Name:** Mahmoud Mehani Oan AbouOkada  
**Title:** Lecturer of Aquatic Animal Medicine and Management  
**Date of birth:** 5 February 1987  
**Place of birth:** Mutubas –Kafr El Sheikh  
**Marital status:** Married  
**Citizenship:** Egyptian



### *Contact Information*

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### *Educational Qualifications*

1. **BVSc.**, Faculty of Veterinary Medicine, Cairo University, 2010.
2. **M.V.Sc.**, Aquatic Animal Medicine and Management, Faculty of Veterinary Medicine, Cairo University, 2013.
3. **Ph.D.** Aquatic Animal Medicine and Management, Faculty of Veterinary Medicine, Cairo University, 2017.

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### *Thesis Title*

1. **Master thesis:** Studies on Some Bacterial Diseases among Seabream and Seabass
2. **Ph.D. thesis:** Advanced Studies on Control of Some Bacterial Diseases Affecting Seabream and Seabass

### *Academic and technical Positions*

1. **Demonstrator**, Aquatic Animal Medicine and Management, Faculty of Veterinary Medicine, Cairo University from 2011 to 2013.
2. **Assistant lecturer**, Aquatic Animal Medicine and Management, Faculty of Veterinary Medicine, Cairo University, from 2013 to 2017.
3. **Lecturer**, Aquatic animal Medicine and Management, Faculty of Veterinary Medicine, Cairo University, from 2017 till now.
4. **Staff member** for teaching Computer Course and Biostatistics for undergraduate and postgraduate students, Faculty of Veterinary Medicine, Cairo University from 2014 till now.
5. Fish Farms and Hatcheries supervisor and consultant for fresh and marine fish farms in Kafr El Sheikh, Damietta and other provinces.
6. Technical Support Fish Feed and fish feed additives, Ibex fish feed, 56 Alexandria Desert Road, Abu Al Matamir, Egypt, from 2013- 2015.

### *Areas of experience*

- Aquatic Animal Diseases (Bacterial, Viral, parasitic, mycotic and non-infectious disorders).
- Fish Immunology (Non-specific and specific immunological assay/ Fish cell mediated and humeral immune responses), Fish Biology and Aquatic Animal Health and

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aquaculture sustainability.

- Molecular biological techniques (PCR – Extraction of DNA and RNA – Real time PCR – RT PCR – RT-qPCR and other molecular techniques).
- Experimental infection models and laboratory virulence challenge models.
- Fish therapy, Chemotherapeutics, Disinfectant, Preparation of inactivated polyvalent vaccine, Fish Vaccination, Probiotics and prebiotics, and other therapeutic interventions.
- Fish Feed, Fish Feed formulation and preparation, Fish feed additives and Fish nutrition.
- Fish and shellfish farms and hatcheries management, the feasibility study for fish farms and hatcheries.
- Fish breeding (Tilapia, Carp, seabass and seabream) and ornamental fish breeding.
- Food hygiene, Food technology, Fish processing and technology.
- Biostatistics, Experimental designs and sample size determination.
- Computer science, Computational Biology and Bioinformatics.

### *Computer and Biostatistics Skills*

1. ICDL certificate from Scientific Computation Center, Cairo University 2012.
2. Advanced ICDL certificate from Scientific Computation Center, Cairo University 2013.
3. Excellent in Microsoft Office Excel (Macros and Pivot tables), Microsoft Office Word, Microsoft Power Point, Microsoft Access and Operating system (windows XP, 7, 8, 8.1 and 10).
4. Biostatistics and data analysis Certificate from Faculty of Veterinary Medicine, Cairo University, 2013.
5. Advanced Biostatistics and data analysis (SPSS and Stat) Certificate from Institute of Statistical Studies and Research, Cairo University, 2013.

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6. Experimental study designs and biostatistical analysis for more than fifty theses and researches from 2014 till now.

### *Language Skills*

1. **Arabic:** Native language.
2. **English:** Very good command of written and spoken English.
  - **TOEFL 2012**, very good written, spoken and understand.
  - **IELTS score 6** at British Council (2015).
3. **Germany: A1.**

### *Personal skills*

- Ambitious and self-confident and hard worker.
- I have initiative ideas and could work under challenging time constraints.
- Get on well with people at all levels, easily making good working relationships.
- Experience working in a multidisciplinary group with demonstrated abilities to communicate with individuals from diverse background.
- Self-motivated and able to work both independently, and as an effective partner within the team.
- Decision making and time management.
- Adaptable, multi-tasking and quick to learn new skills.
- Analytical and detail oriented.
- Have good communication and presentation skills.

### *Training courses*

1. Trained at the Egyptian veterinary hospital (Alabasia).
2. Trained at Animal Hygiene Research Institute.
3. Trained at animal gynecological research institute

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4. Trained at Research Central Laboratory Fisheries in El-Abbassa- Sharkia-Egypt.
5. Use of technology in teaching, Faculty and Leadership Development Center (FLDC), 2011.
6. E-Learning, Faculty and Leadership Development Center (FLDC), 2011.
7. International publishing of Scientific research, Faculty and Leadership Development Center (FLDC), 2012.
8. Effective presentation skills, Faculty and Leadership Development Center (FLDC), 2012.
9. Fish hatcheries, Construction methods and the problems facing, Arab Organization for Agricultural Development, League of Arab States, 2012.
10. Optimal nutrition and confront problems in fish farms, Arab Organization for Agricultural Development, League of Arab States, 2012.
11. Modern methods of shrimp farming, Arab Organization for Agricultural Development, League of Arab States, 2012.
12. The use of modern medicines in fish farms and hatcheries, Arab Organization for Agricultural Development, League of Arab States, 2012.
13. Quality standards in teaching, Faculty and Leadership Development Center (FLDC), 2013.
14. Exams and student evaluation system, Faculty and Leadership Development Center (FLDC), 2013.
15. Biostatics and Statistical analysis using SPCC, faculty of veterinary medicine, Cairo University, 2013.
16. Strategic planning, Faculty and Leadership Development Center (FLDC), 2015.
17. Managing research teams, Faculty and Leadership Development Center (FLDC), 2016.
18. Creative thinking, Faculty and Leadership Development Center (FLDC), 2016.
19. Research ethics, Faculty and Leadership Development Center (FLDC), 2017.
20. Legal and Financial Aspects in University Environment, Faculty and Leadership Development Center (FLDC), 2017.
21. DAAD module: Fundraising Skills and Best Practices, 2018.
22. Attending “Course Description” workshop at Quality Assurance and Accreditation Unit,

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faculty of veterinary medicine, Cairo University, 2018.

23. Workshop “Establishment and improving fish farms and hatcheries and recent methods of spawning (especial emphasize on intensive mariculture)”, Faculty of Veterinary Medicine, Cairo University.
24. Trained at marine fish hatchery at 21<sup>st</sup> km, Alexandria with Eng. Mohamed Saad, director of hatchery, on artificial breeding of seabass and seabream, 2018.
25. Course “Basic concepts of molecular biology and PCR techniques”, Center for Biotechnology Research and Services (CBRS), Faculty of Veterinary Medicine, Cairo University, 2018.
26. Bioinformatics Software Workshop: “Tools for Genome Annotation and Protein Function Prediction.” Instructed by Prof. Dr. Andreas Tauch, Head of Administrative Office “German Bioinformatics Network (de.NET)”, Center for Biotechnology (CeBiTec), Bielefeld University, Germany. At Center for Biotechnology Research and Services (CBRS), Faculty of Veterinary Medicine, Cairo University, 2018.
27. Attending seminar entitled “Does Tilapia Lake Virus (TiLV) incriminated in summer mortalities of Egyptian Nile Tilapia?”, at Fish Farming and Technology Institute, Suez Canal University, 2018.
28. Training course and workshop DAFINET (Danish Fish Immunology Research Center and Network), Techfish and Parafish control entitled “Control of parasitic diseases in aquacultured fish –innate and acquired resistance”, University of Copenhagen, Denmark at April 30<sup>th</sup>, 2019.
29. Attending workshop entitled “The biosecurity and biosafety in animal farms”, Faculty of Veterinary Medicine, Mansoura University, May 19<sup>th</sup>, 2019.
30. Attending lecture entitled “Isothermal Amplification and Nanopore Sequencing as Rapid Methods for Outbreak Identification and Disease Control”, Egyptian Society of Virology, Faculty of Veterinary Medicine, Cairo University, Egypt, July 24<sup>th</sup>, 2019.

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### *Other activities*

1. Preparation of inactivated polyvalent vaccine and application by intra-peritoneal injection, prolonged bath immersion, dip immersion and with feed and then calculate the protection rate through relative percent survival (RPS%).
2. Diagnosis and treatment of winter mortalities affecting seabass intensive farms located on El Manzala, Damietta governorate in 2017.
3. Participated with my colleagues as Aquatic Animal Medicine and Management committee in diagnosis and treatment of mass mortalities affecting tilapia farms located on Edku, Beheira governorate in 2014.
4. Participated with my colleagues as Aquatic Animal Medicine and Management committee in diagnosis and treatment of mass mortalities affecting tilapia farms located on Kafr El-Sheikh governorate in 2017.
5. Participated with my colleagues as Aquatic Animal Medicine and Management committee in diagnosis and treatment of mass mortalities affecting tilapia farms located on Bahr El-Baqar, Port Said and EL-Sharkia Governorates in 2018.
6. Participated with my colleagues as Aquatic Animal Medicine and Management committee in diagnosis and treatment of mass mortalities affecting marine fish (seabream, seabass and mugil) farms located on Deeba triangle zone, Damietta governorate in 2019.
7. Certified trainer in Faculty of Veterinary Medicine, Cairo University for Microsoft Office package and Biostatistics.
8. Staff member and course coordinator for teaching computer course (101) and biostatistics for undergraduate and postgraduate students in Faculty of Veterinary Medicine, Cairo University, from 2014 till now.
9. Participated in Afro-Asian personal training in field of fish diseases and management.
10. Have taught the practical session of fish disease and management course for fourth year

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students and Animal Production student, Faculty of Agriculture, Cairo University.

11. Participated in VET SMS Project for Student's results, 2012 – 2013
12. Leader of Vet SMS project for Student's results from 2013 till 2018.
13. Leader of vet electronic registration for student from 2014 till 2016.
14. Medical sales representative from 2010 to 2011 as full time and as part time from 2016 to 2017.

### *Conferences*

1. Organizing the annual scientific conference of fish diseases and management department (2016) at faculty of veterinary medicine, Cairo University.
2. Attending 3<sup>rd</sup> international conference on “**Biotechnology and environmental safety**” that was held at National Research Center, Giza, Egypt at 2017.
3. Attending the 7<sup>th</sup> international conference (the 13<sup>th</sup> scientific conference) of the faculty of veterinary medicine, Cairo University, Egypt “**One health: animal, human and environment, recent applications**”, Stella dimare sea club hotel (Ain Sokhna) August 5-8<sup>th</sup>, 2018.
4. Attending 7<sup>th</sup> international conference of virology “**Emerging and re-emerging viral diseases**”, international collaboration for control, November 27-30<sup>th</sup>, 2018, Desert rose resort, Hurghada, Egypt.

### *List of publications*

1. Abdel-Aziz, M., Eissa, A.E, Hanna, M. and Abou-Okada, M. Identifying some pathogenic *Vibrio/Photobacterium* species during mass mortalities of cultured Gilthead seabream (*Sparus aurata*) and European seabass (*Dicentrarchus labrax*) from some Egyptian coastal provinces. *International Journal of Veterinary Science and Medicine* (2013) 1(2), 87–95.



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2. **Abou-Okada, M.,** Abdel-Aziz, M. and Hanna, M. Characterization of *Vibrio parahemolyticus* retrieved from seabream (*Sparus aurata* L.) during clinical outbreaks at a semi-intensive fish farm. *International Egyptian Veterinary Medical Association (2017)* 77(4), 879-889.
3. **Abou-Okada, M.,** Abdel-Aziz, M. and Hanna, M. Characterization and pathogenicity of *Vibrio alginolyticus* isolated from cultured gilthead seabream. *International Egyptian Veterinary Medical Association (2017)* 77(4), 865-877.