Dr. Marwa Mohamed Ali

Lecturer in fish physiology, Animal production Department- Faculty of Agriculture- Benha university.

Personal information

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Sex Female | Date of birth 18/10/1982 | place of birth Cairo- Egypt | Nationality Egyptian

Education

Education	Institution	Date
PHD. Agriculture science - Thesis "Effect of using some organic acids salts on production performance and Immunity in African catfish".	Animal production department (**Fish production branch**), **Faculty of Agriculture, Ain shams university**	**2019**
M.Sc. Agriculture science - Animal physiology Thesis "Hatchery systems of Tilapia fish".	Animal production department (**Fish production branch**), **Faculty of Agriculture, Ain shams university**	**2008**
B.Sc. Agriculture science. " Fish production"	Animal Production department (**Fish production branch**), **Faculty of Agriculture, Ain shams university**	**2003**

EMPLOYMENT HISTORY

Experience / Activity	Place	Date
Membership in Research project "Blue Gene Bank of Tilapia"	National institute of Oceanographic and Fisheries, Funded by **Academy of scientific research and technology.**	2022 until Now
Lecturer in Fish Physiology	**Faculty of Agriculture- Benha university.**	2019 till now
Membership of Scientific Association	Egyptian Society of Animal Production (**ESAP**).	2023 till now
Agriculture Specialist (Appointing the first graduates)	**Ministry of Agriculture**- General Authorization of agriculture Reform- **projects of Animal production.**	2012-2019
MSc. Student (Research Assistant), member of a research grant.	awarded by "**Academy of scientific research and technology**". **Aquatic closed systems project**, **Faculty of Agriculture. Ain shams university.**	2004-2008

Participating in International &Regional Seminars, Training, and workshops:

2020: Workshop "**COVID-19`s Effects on Marine Life and Marine Activities**" International Ocean Institute (**IOI**) June 2020.

2020: Workshop "**New Perspectives for Egyptian Marine Resources**" International Ocean Institute (**IOI**) July 2020.

2020: Workshop "**Good manufacturing Practices in food industry**" **Military Veterinary Hospital**, August 2020.

2021: Workshop "**Marine Water Resources**" National institute of oceanography and fisheries &International Ocean Institute (**IOI**) For "**World Ocean Day 2021**" July 2021.

2021: Workshop "**Marine Mineral Resources**" National institute of oceanography and fisheries &International Ocean Institute (**IOI**) For "**World Ocean Day 2021**" July 2021.

2021: **USSEC** training "**Biosecurity and Aquatic Animal Health Management**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- March 2021.

2021: USSEC training "**Breeding: The role of Genetics improvement in Aqua**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- July 2021.

2021: USSEC training "**Management of Aquaculture Enterprises**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- July 2021.

2021: CURB training "Gene Expression analysis using Real-time PCR" Training Program. **Cairo university**- Biotechnology research Lab- August 2021.

2021: USSEC training "**IPRS Construction, Operation& Management**" Training Program. **Soy Excellence Center** – September 2021.

2021: USSEC training "**Fish Quality Control Processing& Value Addition**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- September 2021.

2021: USSEC training "**Fish Production & Management; Types of Production Systems Suited to Locally Important Commercial Species**" Training Program- **World Fish Center** and **US SOY program,** Egypt- October 2021.

2021: USSEC training "**Feed Manufacturing, Production& Nutritional Requirements of Fish &Shrimp**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- November 2021.

2021: USSEC training "**Sustainability, and Best Management Practices for Aquaculture**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- November 2021.

2021: USSEC training "**Health Management and Disease Prevention Practices**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- December 2021.

2021: USSEC training "**Aquaculture production systems; Types and Application Training program**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- December 2021.

2022: USSEC training "**Feed and Feeding Management on Farms**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- January 2022.

2022: Workshop "**Systematic Reviews and Meta-analyses**" **Nature Research Academies** workshop, **Dr. Jeffrey Robens** Editorial Development Manager Nature Research, January 2022.

2022: USSEC training "**Marine Fish Farming**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- February 2022.

2022: USSEC Training "**Hatchery Management and Disease - Free Seed Production**" Training Program- **Soy Excellence Center**, February 2022.

2022: USSEC training "**Fry Handling and Nursery Management**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- March 2022.

2022: USSEC training "**Management of Integrated Aquaculture- Agriculture Farming System**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- March 2022.

2022: • Passed and attended a training course on "Modern Methods in Evaluation" at the Center for Measurement and Evaluation - Benha University.

2022: International celebration: "**World Oceans Day**" Intergovernmental Oceanographic Commission, Community & Environmental Development Committee, **National institute of oceanography and fisheries**- June 2022.

2022: USSEC training "**Fish Trade and Export Opportunities**" Training Program. **Soy Excellence Center** In cooperation with **World fish**- Egypt- November 2022.

2022: International workshop "Healthy Culture of Tilapia for African Countries" sponsored by the International Cooperation Department of the Ministry of Agriculture and Rural Affairs of the People's Republic of China Freshwater Fisheries Research Center of Chinese Academy of Fishery Sciences. From December 12, 2022, to December 21, 2022, in **Wuxi, the People's Republic of China.**

2023: LetPup Learning Nexus "**Productive and Successful Communication with Journal Editors**" Educational Webinar- **LetPub by Accdon LLC- the Committee on Publication Ethics (COPE)-** November 2023.

2023: International training webinar "How to validate your CASA." Microptic S.L, **Dr. Nuria** Medarde **(Barcelona) - Spain.** May 2023.

2023: workshop on "Using the Thinqi platform" which was held via the MS platform. Teams **- E-Learning Center - Benha University.**

2024: SEC' s Aqualture training **"Fish Health Management and Biosecurity"** Training Program **Soy Excellence Center** – February 2024.

2024: Training course on "Strategic Planning" at the Faculty and Leadership Capacity Development Center - Benha University.

2024: Training course on "Marketing Scientific Research" at the Faculty and Leadership Capacity Development Center - Benha University.

2024: Training course on "Integrity and Transparency" at the Faculty and Leadership Capacity Development Center - Benha University.

2024: Training course on "Credit Hour Systems" at the Faculty and Leadership Capacity Development Center - Benha University.

2024: Training course on "Question Banks and Electronic Tests" at the Faculty and Leadership Capacity Development Center - Benha University.

Participating in International &Regional Conferences:

2022: International scientific conference: "**Conference of applied science and climate change challenges (BFSCCAS)**". The 3rd International scientific conference, faculty of science, Benha university.

2023: International conference: "**Future of livestock and food security**". The 6th, 20th international conference of animal and fish production department, faculty of agriculture, Alexandria University.

Skills

Specification	Skills
Aquaculture – Fish nutrition	Fish handling, fish feeding, diet formation & formulation.
Nutritional analysis	Proximate analysis-growth Parameters.
Aquaculture – Fish physiology	Blood sampling, hematology, DNA and RNA Extraction
Aquaculture – Fish spermatological analysis	Physical, quantity & quality sperm parameters (Motility, vitality, morphology & DNA Fragmentation)
Statistical Analysis software	SAS, SPSS, R. program
Computer skills	(Office programs- ACSSES, Data base, internet, IT)
Presentation skills	Presentations from 2004 till now, Graphical abstract and research poster.

List of Publication

1) **Ismaeel Ali Ismaeel, Marwa M. Ali, Abd-Elkarim I. Elsayed and Mohamed S. Hassaan. (2025). "Combined effects between dietary selenium forms and dietary protein levels on performance, intestinal structure, hemato-biochemical indices, and immune response of Nile tilapia". Annals of Animal Science Sciendo, 0, no. 0 (2025): https://doi.org/10.2478/aoas-2025-0053.**
2) **Marwa M. Ali., Elboray, K. F., Megahed, E. T., Abu-Taleb, H. T., Elsayed, A. E., Mohammady, E. Y., Amer, M. S., Morsi, S. A., Abbas, E. M., Hassaan, M. S., & Elsaied, H. (2025). Ameliorative potential of dietary supplements, ZnO-K, citrus essential oil, and pumpkin seed oil, on sperm quality in Nile tilapia: Insights from CASA, DNA integrity, antioxidant enzymes, and gene expressions. *Fish physiology and biochemistry*, *51*(4), 114. https://doi.org/10.1007/s10695-025-01529-4**
3) **Mohamed R. Soaudy, Eman Y. Mohammady, Mohamed A. Elashry, Marwa M. Ali, Hoda A.S. Elgarhy, Janice Alano Ragaza, Mohamed S. Hassaan (2024). The modulatory impact of Arabic gum and lecithin on the efficiency of cold-stressed Nile tilapia (Oreochromis niloticus).Aquaculture Reports, Volume 38,2024,102332,ISSN 2352-5134, https://doi.org/10.1016/j.aqrep.2024.102332.**
4) **Mohamed R. Soaudy, Eman Y. Mohammady, Marwa M. Ali, Mohamed A. El Ashry, Mohamed S. Hassaan.2021. Potential effects of dietary ZnO supported on kaolinite (ZnO-K) to improve biological parameters, reproduction indices, lipid profile and antioxidant enzymes activities for broodstock of Nile tilapia (*Oreochromis niloticus*). Animal Feed Science and Technology, November 2021, 115117. https://doi.org/10.1016/j.anifeedsci.2021.115117.**
5) **Soaudy M. R., Mohammady E. Y., El Ashry M. A., Marwa M. Ali., Ahmed N. M., Hegab H. EL Garhy., Hassaan, M. S. 2021. Possibility mitigation of cold stress in Nile tilapia under biofloc system by dietary propylene glycol: Performance feeding status, immune, physiological responses and transcriptional responses of delta-9-desaturase gene. Aquaculture, 538, 736519.** https://doi.org/10.1016/j.aquaculture.2021.736519
6) **Abdel-Moez, A. M., Ali, M. M., M. M., El-gandy, G., Mohammady, E. Y., Jarmołowicz, S., El-Haroun, E., Hassaan, M. S. 2024. Effect of including dried microalgae *Cyclotella menegheniana* on the reproductive performance, lipid metabolism profile and immune response of Nile tilapia broodstock and offspring. Aquaculture Reports, 36, 102099.**https://doi.org/10.1016/j.aqrep.2024.102099.
7) **Marwa M. ALI., El Ashry, M. A., Mohammady, E. Y., Soaudy, M. R., El-Garhy, H. S., El-Erian, M. A., Mustafa, A., Abouelsoud, M., Ragaza, J. A., El-Haroun, E. R. & Hassaan, M. S. 2023. Dietary**

Alpha-Monolaurin for Nile Tilapia (*Oreochromis niloticus*): Stimulatory Effects on Growth, Immunohematological Indices, and Immune-Related Gene Expressions. Aquaculture Research, 2023, 3155447. https://doi.org/10.1155/2023/3155447.

8) **El Ashry, M. A., Mohammady, E. Y., Soaudy, M. R., Ali, M. M., El-Garhy, H. S., Ragaza, J. A., Hassaan, M. S. 2024. Growth, health, and immune status of Nile tilapia *Oreochromis niloticus* cultured at different stocking rates and fed algal β-carotene. Aquaculture Reports, 35, 101987. https://doi.org/10.1016/j.aqrep.2024.101987.**
9) **Eman Y. Mohammady, Mohamed R. Soaudy, Marwa M. Ali, Mohamed A. El Ashry, Abd El Karim Mohamed, Sylwia Jarmolowicz and M. S Hassaan.2023. Response of Nile tilapia under biofloc system to floating or sinking feed and feeding rates: Water quality, plankton community, growth, intestinal enzymes, serum biochemical and antioxidant status. Aquaculture Reports, volume29 (2), April 2023, 101489.**
10) **Ahmed M. Abdel-Moez, Marwa M. Ali, Samir A. Ali, Mohamed S. Hassaan, Magdy A. Soltan, Gaffar M. El-Gendi. 2022. Effects of Algal Diets Supplementation on Reproductive Performance Parameters of Nile Tilapia Broodstock. Annals of Agric. Sci., Moshtohor ISSN 1110-0419 Vol. 60(3) (2022), 779 – 786. https://assjm.journals.ekb.eg**
11) **MARWA M. Ali, A. A. EL GAMAL, M. A. AMER and M. F. OSMAN. 2007. Effect of different brood stock density and size on fry production of Nile Tilapia, *Oreochromis niloticus*. Journal of Agriculture science (AUJAS), Ain shams university., Cairo, Egypt special Issue,64(2) https://ajs.journals.ekb.eg/**
12) **AMER, M. A., A. A. EL GAMAL, M. F. OSMAN and MARWA M. Ali. 2009. Some factors affecting fry production of the NILE TILAPIA, Oreochromis niloticus. Abbassa International. Journal of Aquaculture (1):47-67. ISSN 1687-7638.**
13) **Marwa M. A., M. A. Amer and M. F. Osman. 2018. Effect of dietary blended organic acid on growth, digestibility and immunity of African catfish (*Clarias garipenus*). Arab University. Journal of Agriculture science (AUJAS), Ain shams university., Cairo, Egypt, special Issue,26(2). https://ajs.journals.ekb.eg/**