CURRICULUM VITAE

Personal Data

Name : Ibrahim Mohamed Shaker Abdel-Fatah

Date of Birth : November 22, 1962

Nationality : Egyptian

Marital Status : Married and three children

Mailing Address : Central Laboratory for Aquaculture Research, Abbassa, Abuo-Hammad, Sharkia Governorate, Egypt.

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Educational Background

B. Sc., Zagazig University, 1985

M. Sc. Zagazig University, 1993

Ph. D. El-Azhar University, 1999

Professional Positions

2009 - Present: Professor and head of Limnology Department, Central Laboratory for Aquaculture Research (CLAR).

2004 –2009: Associate Professor, Limnology Department, CLAR.

1999 – 2004: Researcher, Limnology Department, CLAR.

1994-1999: Research Associate, Limnology Department, CLAR.

1987-1994: Research Assistant, Limnology Department, CLAR.

Contributions to Research Projects

Sustainable Development of the Agricultures Resources and their Management in the Costal areas of Port-Said (Egypt), March, 2007- June, 2009.

Working in Lake Manzala project (UNDP) which dealt with assessment and evaluating of pollution in Lake Manzala and Bahr El-Bakar draining canal**,** this work was carried out cooperation with Canada and Monako Lab. During 1990-1994.

Working in El-Azhar project {NARP (70) E-5}. Dealing with using soil amendments in fish farms with faculty of Agriculture, El-Azhar Univ. During 1991-1994.

Working in CRSP project (Egypt PD/CRSP) pond Dynamic Aquaculture researching different systems of Aquaculture in fish farms. During 1991-1994.

Publications

1 - **Shaker, I. M**; M. Y. Abou Zeid and A. Batran (2013): Effect of using periphyton substrate (bamboo stems) on water quality, phytoplankton, zooplankton, periphyton and growth performance for tilapia, mullet and catfish in earthen ponds. Abbassa, Int., J. Aqua.Vol. 6 (No 1): 108-139.

1- **Shaker, I. M**; **A.H.** Mona and M. M. El-Gamal, (2010): Effect of some physico-chemical parameters on life cycle of *daphnia longispina*. Egypt. J. Aquat. Biol. & Fish., Vol.10, No.3: 156-173.

2- Ezzat, S.; **I.M. Shaker** and M. T. Mekawy (2009): Decreasing the heavy metals toxicity on African catfish (*Clarias gariepinus*) cultured in sewage wastewater by chlorella. Egyptian Journal of Applied Science, vol. 24(1) January: 13 – 30.

3– Abdel-Hakim, N.F.**; I.M. Shaker** and A. Batran, (2009): Comparative study on heavy metals contamination of the three fish species (*Solea aegyptiaca – Tilapia zillii – Mugill cephalus*) organs, water and sediment from Qarun Lake, Egypt. Abbassa, Int., J. Aqua. (1): 69-97.

4- **Shaker, I.M.; A.H.** Mona and A.A. Mahmoud (2009): Effect of periphyton substrate on water quality and growth performance of Nile tilapia in earthen ponds. Abbassa international journal for aquaculture, Special Issue for Global Fisheries & Aquaculture Research Conference, Cairo International Convention Center, 24–26 October 2009 pp 741-763.

5- **Shaker, I.M.;** M.H. Agouz, and A.A. Mahmoud (2009): Environmental impacts of fish cages in Lake Manzalla and growth performance of different fish species. Egypt. J. Aquat. Biol. & Fish., Vol.13, No.4: 293-308.

6- Shaker, I.M. (2008) Effect of using different types of organic manure (compost; chicken, Mycelium) and mineral fertilizer on water quality, plankton abundance and on growth performance of *Oreochromis niloticus* in earthen ponds. Abbassa Int .J. Aqua. 203-226.

7- **Shaker, I.M.A.** and A.M. Hamed, (2008): The effect of green algae and yeast diets on population growth for rotifers and cladocerans**.** African. J. Biol. Sci., 4 (1): 23-38.

8- **Shaker, I.M.A.; A.H.** Mona and M.M. Abd El Aal, (2008): Zooplankton as live food for fry and fingerlings of *Oreochromis niloticus* in concrete ponds. 8th International Symposium on Tilapia in Aquaculture, Vol. 2: 757-771.

9- Mousa, S.M. and **I.M. Shaker** (2008): Assessment of heavy metals pollution in water and sediments and their effect on

Oreochromis niloticus in the Nile northern delta lakes, Egypt**.** 8th International Symposium on Tilapia in Aquaculture, Vol. 1: 475-490.

10- **Shaker, I.M.;** M. Wafeek, and S.A. Mesalhy, (2008): Effect of water hyacinth and chlorella on water polluted by heavy metals and the biochemical and pathophysiological response of exposed fish. 8th International Symposium on Tilapia in Aquaculture, Vol. 1: 531-550.

11- Mona, M. H**.; I. M. Shaker**; El-Gamal, M.M. and A.H. Mona (2007): Impact of water resources on zooplankton distribution throughout different season. Impress in The International Conference on Biological Sciences (ICBS), Tanta University, Egypt. Proc.4th Int. Con.Biol. Sci. (Zool.), 373-386.

12- **Shaker, I.M.** and A.A. Mahmoud (2007): The biological load of silver carp cages in the river Nile and their effects on water quality and growth performance. Egypt. J. Aquat. Biol. & Fish., Vol.11, No. 2: 119-143.

13- **Shaker, I.M.** and S.M. Moussa (2007): Estimation of metal pollution status of Lake Edku through tissues analysis of cichlid fish. Egyptian Journal of Aquatic Biology and Fisheries. Special Issue for the International Arab African Fish Resources Conference & Exhibition 28-30 June 2007.

14- **Shaker**, **I.M.** (2006): Water hyacinth as a biological treatment for sewage wastewater in aquaculture earthen ponds. Egypt. J. Aquat. Biol.& Fish. V. 10, No. 1:1-20.

15- **Shaker**, **I.M.** and M.M. Abd El Aal, (2006): growth performance of fish reared under different densities in semi-intensive and extensive earthen ponds. Egypt. J. Aquat. Biol. & Fish ., Vol.10, No. 4: 109-127.

16- Ibrahim, A. M.; M. F.El-Shahat; N. F. Abdel-Hakim; **Shaker**, **I.M.** and S.M. Moussa (2004): Heavy metals accumulation in tissues of some cichlid species collected from lake Borollus during 2002. J. of Enviro. Sci. Vol. 8, No. 4: 1111-1125.

17- **Shaker**, **I.M.**; Z A. El-Nagdy and N.A. Ibrahim (2002) Effect of organic manure and artificial feeding on water quality and growth performance of mullet in earthen ponds in Sahl El-Teena, Egypt.

18- Abd-El-Hakim, N.F.; A.I. Ez-El-Rigal and **I.M. Shaker** (2001): Evaluation of the protein quality of frozen common carp (*Cyprinus carpio* L.). Egypt. J. Agric. Res., 79 (4).

19- **Shaker, I.M.** (2002): Effects of water hyacinth "*Eichhornia carssipes*" cultivation in fish pond on heavy metal accumulation in soil. Egypt. J. Agric. Res., 80 (2).

20- Dawah, A. M.; A. M. Khater; **I. M. Shaker** and N.A. Ibrahim (2002): Production of Scenedesmus Bijuga (Chlorophyceae) in Large Scale outdoor tanks and Its Use in Feed Monosex Nile Tilapia .J. Egypt. Acad. Soc. Environ. Develop. (B- Aquaculture) Vol.2,No. (1) 113-125.

21- **Shaker, I.M.**; N.A. Ibrahim,; A.M.A. Dawa and A.H. Zakar, (2002): Effect of Stocking Density On Water Quality And Mullet Growth In Earthen Ponds in Sahl El- Teena –Seni. Zagazig Univ. Fac. of Veterinary Medicine. Sixth Scientific Veterinary Medical Conference. 7-9 Sept. Hurghada, Red-Sea- A.R. Egypt.

22- El-Nagdy Zeinab, A. and **I.M. Shaker**, (2002): Evaluation of (Gypsum) calcium sulfate in aquaculture ponds. Egypt. J. Appl. Sci; 17 (5).

23- Ez-El-Rigal, I. A.; I.M**. Shaker** and A.M. El-Ashram (2001): Effect of salting methods and storage temperature on quality of salted

Silver carp (*Hypophthalmixis molitrix*). Egypt. J. Agric. Res., 79 (3).

24-Abed El-Hakim, N.F.; **I.M. Shaker** and A.I. Ez-El-Rigal (2001): Effect of EDTA on some heavy metals in sewage wastewater used in aquaculture of *Oreochromis niloticus*. Egypt. J. Agric. Res., 79 (2).2001.

25-**Shaker, I.M.**; Y. Khtaab, and N.F. Abed El-Hakim, (2000): Azolla meal as a non-traditional feed ingredient for Oreochromis niloticus. Egypt. J. Agric. Res., 78(5).

26-**Shaker, I.M.**; A.I. Ez-El-Rigal; and H.A. El-Ghobashy (2000): Effect of EDTA on reducing of copper toxicity in water and *Oreochromis niloticus*. Egypt. J. Appl. Sci; 15 (5).

27- Badr, F.H.; A.I. Ez-El-Rigal; **I.M. Shaker**, H.A. El-Ghobashy (2000): Quality of fish protein concentrate prepared from common carp (*Cyprinus carpio* L.).Zagazig J. Agric., Vol. 27(6).

28- El-Nagdy Zeinab, A. and **I.M. Shaker**, (1997): Effect of drainage water on fish production and soil properties. Egypt. J. Agric. Res., 55, (3):256-271.

29- Green, P.; A. El-Nagdy Zeinab, and **I.M. Shaker**, (1994): Effect of stocking rate on growth and yield of Nile Tilapia. (Egypt project. Pond dynamics/ aquaculture collaborative research. Support program, Final report 1994.

Supervising of M.Sc. Thesis

1- Some Studies On Water Pollution of Manzalla Lake by Heavy Metals and Others and Effect of These on Stock Assessment of Fish. Faculty of Science, El Azhar University.

2- Environmental Studies on Water Quality in Fish Farm. Faculty of Science, El Azhar University.

3- Removal of Some Heavy Metals from Sewage Wastewater and Fish by Aquatic Plant and Phytoplankton. Faculty of Science, Zagazig University.
4- Effect of Duck Manure as Organic Fertilizer on Productivity of Silver Carp under Egyptian Conditions. Faculty of Agriculture, El Azhar University.
5- Field and Experimental Studies on the Effect of Some Fertilizers on Zooplankton Community in Abassa Fish Farm. Faculty of Science, Tanta University.
6- Effect Of Feeding Rate On Performance Of Nile Tilapia And Common Carp Reared In Concrete Ponds. Faculty of Agriculture, El Azhar University.
7- Studied On Weaning Of Seabass. Faculty of Agriculture, Banha University.
8- Studied On the correlation between water quality and phytoplankton in Qurun Lake. Environmental Science, Ain Shams University.

Supervising of PhD Thesis

1- Studies on Fish Production in Qarun Lake. Faculty of Agriculture, El Azhar University.
2- Some Studies on Water Quality, Water Pollution by Heavy Metals and Effects on Stock Assessment in Bardaweel Lake. Faculty of Science, El Azhar University.
3- Comparative Study On Zooplankton Community Collected From Different Irrigated Fish Farm And Mass Culture Of Their Dominant Species. Faculty of Science, Tanta University.

4- Impact of Inorganic Pollutants on Aquatic Environmental and Fish Performance in Lake Borollus. Environmental Science, Ain Shams University.
5- Studies on Some Plants Used For Fish Nutrition. Faculty of Agriculture, El Azhar University.
6- Nutritional and Physiological Studies on Fish. Faculty of Agriculture, Zagazig University.
7- Effect of Fertilizers and Artificial Feeding On Fish Production under Egyptian Conditions. Faculty of Agriculture, Zagazig University.
8- Environmental impact on water quality, plankton abundance, soil and heavy metals in Borollus Lake. Faculty of Agriculture, Alexandria University.
9- Biological load of fish cages in Nile River. Faculty of Science, Tanta University.
10- Zooplankton as a bio indicator for water pollution. Faculty of Science, El Azhar University.
11- Salt balance in aquaculture in Delta. Faculty of Agriculture, Cairo University.