

Mohamed Mohamed Abdel-Aal

Head of Aquaculture Department.

Central Laboratory for Aquaculture Research, Sharkia, Egypt.

Focal Point for Frame Work Program (FP7).

National consultant on Change Impacts on Aquaculture,

Food and Agriculture Organization of the United Nations, FAO in Egypt.

Doctor of Philosophy of Agricultural with extensive experience in fields related to fish such as aquaculture, nutrition and environmental impact assessment. Knowledgeable in scientific research methods, socioeconomic studies, project implementation, training, monitoring and evaluation and computer-based agriculture statistics.

EDUCATION

2009 Professor, Aquaculture.

2004 Assistant professor, Aquaculture.

1999 Ph.D. Aquaculture (Fish Nutrition).

Faculty of Agriculture, Cairo University.

Research continued the topic started in the M.Sc. and involved an attempt to use agriculture by-products and organic waste to provide nutrition for several species of fish. The goal of this research was to improve the socio-economic condition of fish farmers by providing non-traditional feeding which is cost-effective, easily accessible and environmental friendly while maintaining the nutritious value provided. Title of thesis was “ effect of using some commercial diets manure and agriculture by-products on the performance of *Tilapia nilotica* and *Cyprinus carpio*”

1996 M.Sc. Aquaculture (Fish Nutrition).

Faculty of Agriculture, Cairo University.

Thesis was entitled “ Effect of feeding rabbit manure , superphosphate-urea and commercial pelleted ration on *Cyprinus carpio*”.

1988 B.Sc. Animal production.

Faculty of Agriculture, Assiut University.

Related fields of study: Economics of Animal Production, Rural Sociology, Survey and Farm Buildings, Agricultural Accounting, Agricultural statistics, Animal Reproduction, Medical and Veterinary insects.

PROFFESIONAL EXPERIENCE.

1991-1992: Research Officer, Fisheries sector.

Conducted socioeconomic studies targeting fishermen of the lake Nasser area aiming at improving their living condition through enhancing income. Routine activities included: organizing fishing times; providing supplies; stock assessment; ice; fuel and services to fishermen prior to their departure on fishing trips; identifying main problem areas after their return and working with target population towards solving them. Supervised of distribution of harvest between fish industry and national consumption and directing the waste to be manufactured into feed. Coordinated efforts with the Fishing Society of Aswan, which provides assistance to fishermen in the form of motors for their boats, food supplies for fishing trips and ice for preserving harvest.

1992-1996: Assistant Researcher.

Central Laboratory for Aquaculture Research, Sharkia, Egypt.

1996-1999: Research Associate.

Central Laboratory for Aquaculture Research, Sharkia, Egypt.

Conducted experiments including water, chemical and analysis, data gathering and statistical analysis leading to Ph.D.

1999-2004: Researcher

Central Laboratory for Aquaculture Research, Sharkia, Egypt

Responsible for the supervision and training of assistant and associate researchers including academic supervision of postgraduate students. Conducting practical Lab and field experiments related to fish farming and its effects on the environment. Coordination of efforts between Central Laboratory for Aquaculture Research and related governments bodies to assist fish farmers in solving problems arising in fish farms. Training of students from in Faculty of Agriculture and other faculties on aquaculture.

2005-2009: Assistant Professor

Central Laboratory for Aquaculture Research, Sharkia, Egypt

2009-current: Professor, Head of Aquaculture Department

Central Laboratory for Aquaculture Research, Sharkia, Egypt

Overall responsibility for academic, management and scientific research areas of the Department. Supervision of 26 professional and administrative staff. Continue to academically supervise postgraduate students at Al-Azhar university , Zagazig University and Cairo University.

PUBLICATIONS.

(01) Fatma A.Hafez, Amal E.El-Sherbiny, Sohair A.Arafa and **M.M.Abdel-Aal** (1996). Effect of rabbit manure, superphosphate-urea and feed on water quality and performance of common carp. 3rd Vet. Med. Cong.Zagazig 8-10 October 1996.

(02) **Mohamed M.Abdel-Aal**.(2000): Performance of *Oreochromis niloticus*,*Mugil cephalus* and *Cyprinus carpio* reared in polyculture under different feeding system. Egypt.J.Aquat.Biol.&Fish.,Vol.4,No.4:351-361.

(03) **Mohamed.M.Abdel-Aal**,El-Hindawy, M.M.,Fatma.A.Hafez., M.A.Hassona. and A.A.Ismail.(2001).Effect of different fertilizers and artificial feeding systems on fish pond productivity.J.Egypt.Acad.Soc.Environ.Develop.,(A-Aquaculture) Vol.1, No.(2):61-75.

(04) Fatma A.Hafez, M.M.Hindawy,E.M.Hassona, **M.M.Abdel-Aal** and A.A.Hassan. (2002). Effect of fertilizers and artificial feeding on water parameters in Tilapia earthen ponds.Vet. Med.J., Giza Vol.50, No.2 ,221-237.

(05) Abdel-Hakim,N.F.,FatmaA.Hafaz.,FatmaI.El-Namaky.,**M.M.Abdel-Aal**.,E.A.EL-Helali and M.O.El-Gendy.(2002):Effect of ude fertilizer and artificial feeds on performance of Common carp (*Cyprinus carpio* L.)reared in earthen ponds.Egyption J.Nutrition and feeds.5(2):185-205.

(06) Mahmoud,A.A.,**M.M.Abdel-Aal** and S.M.Kamal (2002): Effect of Dimssia plant (*ambrosia maritima*) on productivity,biochemical analysis and carcass traits for Grass carp.Proc.,1st Sc.Conf.Aqua, El-Arish 13-15 Dec.

(07) Bakeer,M.N.,S.M.Kamal, and **M.M.Abdel-Aal**.(2002). Effect of Dimssia plant (*ambrosia maritima*) on growth performance of Grass carp (*Ctenopharygodon idella*) reared in earthen ponds under different stocking densities. Proc.,1st Sc.Conf.Aqua,El-Arish13-15Dec.

(08) Mahmoud,A.A., S.M.Kamal ,**M.M.Abdel-Aal** and A.A.Salama.(2002): Effect of fish size at stocking on growth performance and final yield in monoculture system.Egypt.J.Agric.Res., NRC-1(2),pp:443-456.

(09) Fatma A.Hafez, Sohair A.Arafa., G.M.Abdul-Aziz, A.A.Hassan and **M.M.Abdel-Aal** (2003). Effect of commercial diets, manure and some agriculture by-products on performance of Nile Tilapia in polyculture system.Fifteenth Annoual Congaress Jonuary 26-30., 2003 Qena.Egypt.

(10) **Mohamed M. Abdel-Aal**.(2003): Effect of feeding frequency and application time on growth performance and feed utilization of nile tilapia in semi-intensive culture syatem .J.Egypt.Acad.Soc.Environ.Develop.,(B-Aquaculture) Vol.4, No.(2):81-96 .

(11) S. M. Kamal, **M. M. Abel-Aal** and R. A. Abou-seif. Growth performance of Nile tilapia *Oreochromis Niloticus* cultured in earthen ponds affected by varying feeding and fertilization inputs (2004) Egyptian. J.Nutrition and Feeds. 7 (2): 243- 252.

(12) Sayed.S.H.,**M.M.Abdel-Aal**,H.D.Tonsyand.,E.M.Ibrahim.(2004).Effect of stocking density and feeding levels on growth, feed utilization and body composition of Nile tilapia (*Oreochromis niloticus*) fry reared in brackish water. 1st .Int.Conf.Vet.Res.Div.NRC.

(13) **Mohamed M. Abdel-Aal**, A.A.mohmoud. and A.A. Hassan.(2004). Effect of stocking density on growth performance and body composition of Nile tilapia (*Oreochromis niloticus*) in rice fields. 1st.Int.Conf.Vet.Res.Div.NRC.

(14) Hassan, A. A. , **M. M. Abdel-Aal** and S. H. Sayed (2005).Effect of organic manures or chemical fertilizer on water parameters and growth

performance of Common carp (*Cyprinus carpio*) In rice fields. J. Agric. Sci. Mansoura Univ., 30(9):5071- 5079.

(15) Ibrahim M. Shaker Abed El-Fattah and **M.M. Abdel-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) **Mohamed M. Abdel-Aal** and Mohamed E. Ismail. (2006). Using the Grass carp *Ctenopharyngodon idella* for controlling submerged weeds in fish farm ponds. J. Egypt. Acad. Soc. Environ. Develop., (D- Environmental Studies) Vol. 7, No. (3): 139-148.

(17) **Mohamed M. Abde-Aal** (2007). Effect of dietary lipid levels on growth performance and blood parameters of the African catfish (*Clarias gariepinus*). Egypt. J. Aquat. Biol. & Fish., Vol. 11, No.4:109-120.

(18) **Mohamed M. Abde-Aal** (2007). Effect of composition ratio of Nile tilapia, *Oreochromis Niloticus* and Grey mullet, *Mugil cephalus* on their growth performance and economic return. African J. Biol. Sci., 3(3):1-8.

(19) kamal, S. M., S. Abdel Ghany and **M. M. Abel-Aal** (2008).Effect of nutrition and fertilization on production of Nile Tilapia (*Oreochromis Niloticus*) fingerlings in concrete ponds. 8th International symposium on tilapia in aquaculture.

(20) Ibrahim Mohamed Shaker Abd El Fattah, Mona Hamed Ahmed And **Mohamed Abdel-Aal** . (2008). Zooplankton as live food for fry and fingerlings of Nile tilapia (*Oreochromis niloticus*) and catfish (*Clarias gariepinus*) in concrete ponds. 8th International symposium on tilapia in aquaculture.

(21) **Mohamed M. Abdel-Aal** (2008). Effect of over-wintering and water depth on growth performance of Nile Tilapia (*Oreochromis Niloticus*) 8th International symposium on tilapia in aquaculture.

(22) kamal, S. M.; **M. M. Abel-Aal** and S. Abdel Ghany (2008). Effect of effective microorganisms on water quality and the productive performance of Nile tilapia reared in fiberglass tanks. Egypt .J. of Appl. Sci., 23(IIB) 386-392.

(23) Safwat A. Abdel- Mageed, **Mohamed M. Abdel-Aal** and Salah M. Kamal (2009). Application of rumen content as organic fertilizer in male Nile Tilapia (*Oreochromis Niloticus*) fingerlings production ponds. J. Egypt. Acad. Soc. Environ. Develop., 10 (1): 23-32.

MEMBERSHIP IN SCIENTIFIC SOCIETIES.

Member:

- 1- Egyptian Journal of Nutrition and feeds.
- 2- Egyptian Aquaculture Society.
- 3- Journal of Egyptian Academic Society for Environmental Development.
- 4- Egyptian Society for Animal Reproduction and fertility.
- 5- Egyptian Journal of Aquatic biology and Fisheries.

Attended various conferences dealing with issues of lake and wildlife preservation, pollution and fishermen's problems including wastewater.

WORKSHOPS, SEMINARS AND TRAINING COURSES.

1990-Present. Numerous national events related to fish farming and environment (Available on request).

1995. International training course on Integrated fish farming .Network of Aquaculture Center in Asia-Pacific(NACA), China.

2003. “ Enhancing Managerial Skills “ For Top Management., Economics and Communication Institute of Management. American University in Cairo

2009. Project design and proposal writing, advanced level.

2005. Training course on German language at Goethe in Cairo.

2006. Training course on German language at Bildung & Integration e.V. in Berlin, Germany.

2008. Training course on German language at Hartnackschule in Berlin, Germany.

2012. Proposal writing gerls within the DAAD Kairo Akademie.

LANGUAGES. Arabic : Mother Tongue
English: Spoken and written
German: Spoken and written

PERSONAL. Born: October 17, 1966 Aswan, Egypt.
Egyptian Citizen.
Marital Status; Married.

Correspondence Address.

Central Laboratory for Aquaculture Research
(CLAR), Abbassa, Abou-Hammad, Sharkia, Egypt.

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Mobile : 002-01223282570

E-Mail : profmabdelaal@gmail.com



FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
Terms of Reference for Consultant/PSA

Name: Mohamed Mohamed Abdel-Aal	
Job Title: National Consultant on Change impacts on aquaculture	
Division/Department: FNEGY	
Programme/Project Number: UNJP/EGY/022	
Location: Cairo and 3 project sites	
Expected Start Date of Assignment: ASAP	Duration: Two weeks spread over three months
Reports to: Name: Mr. M. Acouri	Title: FAOR in Egypt

GENERAL DESCRIPTION OF TASK(S) AND OBJECTIVES TO BE ACHIEVED

Under the overall supervision of the FAO Representative in Egypt, the technical supervision of the Chief, Land and Water Division (NRL), and in close collaboration with the National Project Coordinator (NPC), international experts, national consultants and the team of local experts, the expert will be responsible for drafting an assessment report on **“ASSESSMENT OF CLIMATE CHANGE IMPACTS ON AQUACULTURE”** including the following:

- Assess local conditions in the main areas of fish production, Growth trends in aquaculture and GDP
- Food security and fish
- Assess the availability of locally available materials to be used for assembling the fish production.
- Describe the design and the specifications of the climate change impacts on the fish production and livelihoods of fishers.
- Aquaculture zoning and monitoring
- Studying the effects of climate change and other factors on fish production and livelihoods of fishers in the study area
- Identification and implementation of low-cost appropriate technologies to mitigate the effects of climate change on the fish production and livelihoods of fishers.
- Adaptive measures, Institutional, technology transfer policy and planning.

KEY PERFORMANCE INDICATORS

Expected Outputs:	Required Completion Date:
<p>EXPECTED OUTPUTS</p> <ul style="list-style-type: none"> • Addresses the potential impacts of climatic change on the aquaculture sector and to a lesser extent the contribution of aquaculture to climate change • Identify major constraints and opportunities including developmental avenues in managing aquaculture activities and their environmental impacts 	



THE AMERICAN UNIVERSITY IN CAIRO
SCHOOL OF BUSINESS, ECONOMICS AND COMMUNICATION
INSTITUTE OF QUALITY MANAGEMENT

CERTIFICATE

This is to certify that

MOHAMED MOHAMED ABD EL-AAL

has attended a program of study in

*“ Enhancing Managerial Skills “
For Top Management*

In the period from: 6 To: 31 May 2003 (48 Hours Training)

S. A. Latif

Director/IQM



Date June, 2003

