

## CURRICULUM VITAE

**NAME** : Azza Abdel-Hamid Mohamed A. El-Ganainy

### **PERSONAL**

Date of Birth: November, 11<sup>th</sup>, 1960

Marital status: Married (Son and Daughter)

### **ADDRESS & TELEPHONE**

Address: National Institute of Oceanography & Fisheries , Suez branch,

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### **QUALIFICATIONS**

- **Ph.D.** Marine Biology. Marine Science Dep. Faculty of Science, Suez Canal University, Ismailia. Egypt. 1997.

Dissertation Title: Population Dynamics of Lizard Fishes (Synodontidae) From the Red Sea.

- **M.Sc.** Zoology Dep. Faculty of Science, Ain Shams University, Cairo. Egypt. 1992.

Thesis Title: Biological Studies on Lizard Fishes, *Saurida undosquamis* (Pisces : Synodontidae ) From the Gulf of Suez.

- **B.Sc.** Zoology & Chemistry. Faculty of Science, Ain Shams University, 1982.

Grade : Very Good.

## **EMPLOYMENT**

- 1- Fisheries biologist in Food and Agriculture Organization (FAO), 10/ 1982.
- 2- Research Assistant in the National Institute of Oceanography and Fisheries (NIOF), 11/ 1984.
- 3- Lecturer Assistant (NIOF) 6/ 1993.
- 4- Researcher (NIOF) 9/ 1997.
- 5- Associate Professor (NIOF) 8/2004
- 6- Professor (NIOF) 25/5/2010
- 7- **EU Expert** (Stock Assessment and Fisheries management Expert/Training Officer Europe Aid/126327/C/SER/YE Technical Assistance in Project Management and Fisheries Information System in Yemen (2009 - 2010).
- 8- Head of Fisheries Biology lab (NIOF) 1/8/2010

## **FIELDS OF INTEREST**

- Fisheries management.
- Stock assessment studies.
- Fish population dynamics.
- Fisheries Biology.
- Aquaculture.

## **PROFESSIONAL EXPERIENCE**

Contribution in the following research projects:-

- 1982 - 1984: FAO Project for the Development of Fisheries in Areas of the Red Sea and Gulf of Aden. RAB/83/023.
- 1985 – 1997: Project of fish stock assessment in the Red Sea.
- 1985 – 1992: Project of development of fish resources in Lake Bardawil.
- 1987 – 1989: Project of exploitation of lagoons in the Red Sea.
- 1994-1998: Project of the Conservation of south Red Sea.

- 2000-2002: Project of fish stock assessment in Suez Bay.
- Ecological survey of Bardawil Nature Protectorate, Fishes and Fisheries, 2002, Nature Conservation Sector, Egyptian Environmental Affairs Agency, Med Wet Coast, Global Environment Facility. Preparing the final report entitled " Fish and Fisheries of Bardawil lagoon".
- 2002-2003: Project funded by the Living Marine Resources, Strategic Action Program of PERSGA and preparing the final report entitled "Stock Assessment and Fisheries Management of Invertebrates with Special Reference to Shrimp and the Destructive Impact of Trawl Fishing in Egyptian Red Sea Coast, 2003.
- 2002-2004: Project of stock assessment and development of Lake Timsah and Bitter Lakes.
- 2005- 2007: Principle investigator of the Project of ecological and biological studies on coral reef fishes and the associated invertebrates in Aqaba and Suez Gulfs.
- 2005-2007: Project of Fisheries status of the demersal fishes in the front of River Nile delta of the Mediterranean coast.
- 2006-2008: Principle investigator of the Project of the enhancement of the role of women in the artisanal fishing communities to help in improving the livelihood of their families, funded by International Oceanographic Institute (IOI).
- 2006-2007 Coordinator and organizer of the training course for sorting, processing and marketing of shrimp in Bardawil and Brollous lakes communities.
- 2007-2010 Strategic Plan for the assessment of fisheries and environment of the Red Sea and Suez and Aqaba Gulfs.
- 2008- Project of Coastal Zone Management of the Red Sea.
- 2009- 2010 Coordinator and organizer of the training course in stock assessment and population dynamics for Fisheries officers and University staff in Yemen through the Europe Aid/126327/C/SER/YE Technical Assistance in Project Management and Fisheries Information System in Yemen.

### **TEACHING EXPERIENCE:-**

- 1- 2000-2001: Fisheries biology lectures for the under-graduate students of the marine science department, Faculty of Science, Suez Canal University.
- 2- 2001-2002: Stock assessment lectures for the post-graduate students of the marine science department, Faculty of Science, Suez Canal University.
- 3- 2001- Preparing a student text book in population dynamics and stock assessment for the Advanced Marine Technical Schools in Egypt.
- 4- 2003-2004 Fisheries biology lectures for trainees in the Nile center for media.
- 5- 2004- Stock assessment lectures during a training course for Fisheries officers trainees from Yemen at the NIOF.
- 6- 2007- Fisheries biology lectures for the under-graduate students from El-Hodaida University (Yemen) at NIOF.
- 7- 2007- Stock assessment lectures during the training course for Fisheries officers trainees from State of Kuwait and preparing a Stock assessment handout notebook (in Arabic) in Marine Biology Department, Faculty of Science, Suez Canal University.
- 8- 2009-2010 Stock assessment and population dynamics lectures during the training course for Fisheries officers and University staff in Yemen (Aden, Huddeida and Mukalla).

### **MEMBERSHIP and COMMUNICATIONS**

- ❖ Naga, the ICLARM Quarterly, Manila, Philippine.
- ❖ Egyptian Society for the Development of Fisheries Resources and Human Health.
- ❖ Egyptian British Biological Society.
- ❖ **GFCM Transversal working group on selectivity** of Mediterranean gear technologists for assisting SAC in its recommendations on fishing management in Mediterranean Sea.

- ❖ Egyptian Academic Society for Development of Environment.
- ❖ **Associate editor** in the Journal of Fisheries and Aquatic Sciences, Pakistan.
- ❖ **International reviewer** for: UNESCO, Journal of Fisheries and Aquatic Sciences (Pakistan), African Journal of Food Sciences (South Africa), International Journal of Biological Sciences (UK – Egypt).
- ❖ Steering committee of the "fisheries development of the Suez Canal and Bitter and Timsah Lakes", General Authority for Fish Resources Development, since July 2007.
- ❖ Steering committee for the "fisheries development of the Gulf of Suez and Red Sea", General Authority for Fish Resources Development, since April 2008.
- ❖ Steering committee for the “Bluefin Tuna fisheries management of the Egyptian Mediterranean. General Authority for Fish Resources Development.
- ❖ Summit committee for assessment of the effect of overfishing in the Red Sea resources called “Hurghada announcement”.
- ❖ Statistical monitoring committee for preparation of the Egyptian Annual Fish Statistical Book since 2008.

### **MEETINGS ATTENDED**

- ❖ The Second Scientific Conference on Future Prospects of Fisheries Resources in Egypt held in the Arab Academy for Science & Technology Abu Kir, Alexandria, Oct. 20-22, 1998. "with oral presentation"
- ❖ The Third Scientific Conference on Future Prospects of Fisheries Resources in Egypt, held in Mansoura University, during 26-28 October 1999. " with oral presentation"
- ❖ The Fourth Scientific Conference on Future Prospects of Fisheries Resources in Egypt, held in Cairo during 17-19 October 2000. " with oral presentation"
- ❖ Sessions of the scientific committee for studying the phenomenon of the shrimp catch increase in Bardawil lagoon. 12-16 May 2002.
- ❖ Seminar of fish resources in Egyptian lakes organized by Suez Canal University, 12-13 May 2003.
- ❖ The International Conference on Biological Science -3, 28-29 April, 2004, held in Faculty of Science, Tanata University. " with oral presentation"
- ❖ The second regional forum "Sea to Sea" 13-16 Feb. 2005 Cairo, Egypt. For Integrated Coastal Zone Management, Biodiversity and Nature Conservation

- and Reduction of Marine Pollution. Organized by PERSGA." with poster presentation".
- ❖ The International Conference on Aquatic Resources of the Arab Region. 7-9 May 2005, held in Sheraton El-Montaza, Alexandria, Egypt. "oral presentation".
  - ❖ The advanced seminar of technological advances in fishing gear for sustainable management held in Zaragoza (Spain), 6-10 February 2006."oral presentation".
  - ❖ The International Conference on Aquatic Resources of the Arab Region. 13-16 May 2006, held in Sheraton El-Montaza, Alexandria, Egypt."poster presentation".
  - ❖ The 2006 ICES Annual Science Conference held in Maastricht, the Netherlands, 19-23 September 2006."oral presentation"
  - ❖ The organizing committee of " IOI meetings of committee of directors and governing board" held in Sheraton Hotel, Alexandria, Egypt during 4 to 8 November 2006.
  - ❖ Workshop organized by EEAA on the effect of environmental conditions on the fish stocks of Lake Timsah, during 19-20 December 2006." Keynote speaker "
  - ❖ The Arabian Sea International Conference on Aquaculture, Fisheries and Oceanography held in Kuwait Institute for Scientific research (10-13 February, 2007)."oral presentation".
  - ❖ The International Arab African Fish Resources Conference on Sustainable use and Management of Aquatic Resources held in Cairo International Convention center (28-30 June, 2007).
  - ❖ The 5<sup>th</sup> international conference on future horizon of sustainable environmental development and facing challenges in Arab countries (13-16 April, 2008).
  - ❖ The 1<sup>st</sup> national conference on fresh water Cray fish (8 May 2008), held at the Faculty of Science, Ain Shams University.
  - ❖ Workshop on Biostatistics and Biometrics (13 May, 2008) held at the Faculty of Science, Ain Shams University.
  - ❖ Workshop on ecological modeling techniques (14-22 May, 2008) held at the Faculty of Science, Ain Shams University.
  - ❖ Training course on methodologies for stock assessment conducted by FAO General Fisheries Commission for the Mediterranean in Cairo, Egypt, 22-26 June 2008.

- ❖ Workshop of the transversal working group on selectivity organized by Ifremer de Sete, France 2-4 July 2008.
- ❖ Conference of Integrated development of Aquatic Resources Held in Ain Shams University 9/10/2008.
- ❖ The International Conference on Biological Science 5-6 November 2008, held in Faculty of Science, Tanata University.
- ❖ Second International Conference on Aquatic Resources (ICAR- 2008) 22-25 November 2008, Alexandria. "oral presentation".
- ❖ Workshop of the effect of overfishing on marine resources of the Red Sea, held in Sharm El-Sheikh 23/12/2008. Keynote speaker.
- ❖ Training course on advanced methodologies for stock assessment conducted by FAO General Fisheries Commission for the Mediterranean (GFCM) held in Zaragoza, Spain 14-18 March 2009.
- ❖ Workshop of the effect of overfishing on marine resources of the Red Sea, held in Hurghada 9/6/2009. Keynote speaker
- ❖ Transversal workshop on selectivity improvement, by-catch reduction and alternative gears organized by GFCM in Alexandria, Egypt 25-27 October 2010.

### **REPORTS:**

- 1- The final report "the ecological survey of Bardawil Nature Protectorate, Fishes and Fisheries, 2002," submitted to the Nature Conservation Sector, Egyptian Environmental Affairs Agency.
- 2- The final report "Stock assessment and fisheries management of invertebrates and impacts of trawl fishing in the Red Sea and Gulf of Aden" in 2003. Submitted to PERSGA.
- 3- The final report "Fishery status of the economic bivalves and gastropods in the Red Sea (2005), (In Arabic) submitted to the General Authority for Development of Fish Resources (GADFR), Egypt.
- 4- The progresses report "Ecological studies on coral reef fishes and the associated invertebrates in Aqaba and Suez Gulfs", (2005). Submitted to the NIOF.

- 5- The annual report "the enhancement of the role of women in the artisanal fishing communities to help in improving the livelihood of their families" (October, 2006). Submitted to IOI.
- 6- The annual report "the enhancement of the role of women in the artisanal fishing communities to help in improving the livelihood of their families" (October, 2007). Submitted to IOI.
- 7- The annual report "the enhancement of the role of women in the artisanal fishing communities to help in improving the livelihood of their families" (October, 2008). Submitted to IOI.
  
- 8- Synopsis on Mediterranean gears legislation. ICES-FAO WGFTFB

#### **ENVIRONMENTAL IMPACT ASSESSMENT STUDIES**

- 1- "The impact of oil pollution resulting from the oil spill of the Liberian ship "Gregorosa 1" on the environment and fishes of small bitter lakes" September 2006.
- 2- "The impact of oil pollution resulting from the oil spill of the Liberian ship "Gregorosa 1" on the fish farms in Shandoura region" October 2006.
- 3- The impact of oil pollution resulting from the oil spill of the Liberian ship "ANNA B C" on the fisheries of bitter lakes, Timsah Lale and Suez Canal" January 2007
- 4- "The impact of oil pollution resulting from the oil spill of the Kuwaiti ship "Al-Samedoun" on the environment and the marine organisms of Suez Canal" March 2007.
- 5- "The impact of grounding of the Chinese ship "CSCL HAMBURG" on the WoodHous coral reef area in Tiran Strait, Red Sea. April 2010.
- 6- "The impact of grounding of the Norflok Express ship on the reef of Shoqair area in the Gulf of Suez. May, 2010.



## COMPUTER SKILLS:

- **Operating systems: Windows/Dos**
- Database: MS Access
- Statistics & Maths: Excel      Statistica   SPSS
- General: MS Office      Power point
- Fisheries software: FiSAT      Multifan   ASPIC

## PUBLICATIONS

- 1- Ibrahim, M.A., **A.A. El-Ganainy** and S.G.El-Etreby, 1998. Status of the trawl fishery in the Foul Bay, Red Sea . *Bull. NIOF, Egypt. vol. 24: 339-348.*
- 2- **El-Ganainy, A.A** and K.F.El-Boray, 1999. Population Dynamics of *Liza carinata* (Valenciennes, 1836) From the Gulf of Suez, Egypt. *The Third Scientific Conference on Future Prospects of Fisheries Resources in Egypt, 26-28 October 1999.*
- 3- Kilada, R. and **A.A.El-Ganainy**, 1999. Stock Assessment of The Gaint Clam (*Tridacna maxima*) In the Egyptian Red Sea. *Egypt. J. Aquat. Biol. & Fish., 3 (4): 145-156.*
- 4- Ahmed, A.I. and **A.A. El-Ganainy**, 2000.- On the Population Dynamics of Three Sparid Species From South Sinai Coast, In The Gulf of Suez, Red Sea. *Egypt. J. Aquat. Biol. & Fish., Vol. 4 No. 4, 235-246.*
- 5- **El-Ganainy. A.A.** and Ahmed, A.I. 2002 .- Growth, Mortality and Yield per recruit of the rabbit fish *Siganus rivulatus* from the eastern side of the Gulf of Suez, South Sinai Coast, Red Sea. *Egypt. J. Aquat. Biol. & Fish., Vol. 6 No. 1, 72-82.*
- 6- **El-Ganainy. A.A.**, Mostafa, E.T. and Omran, M.E. 2002.- Fishery Status of the Grey Mullet (Pisces: *Mugilidae*) From Bardawil Lagoon, Egypt. I- Age and Growth of *Mugil cephalus* *Egypt. J. Aquat. Biol. & Fish., Vol. 6 No. 1, 57-71.*
- 7- **El-Ganainy, A. A.**, 2003. Assessment of the lizard fish *Saurida undosquamis* (Richardson) fishery in the Gulf of Suez, Red Sea. *Bull. Nat. Inst. Oceanogr. & Fish., ARE. Vol. 29: 1-15.*
- 8- **El-Ganainy, A. A.**, 2003. Food and feeding habits of the lizard fish *Saurida undosquamis* (Richardson, 1884) with special reference to its biological interaction with clupeids in the Gulf of Suez. *Egyptian J. Zool., 41: 327-340.*
- 9- **El-Ganainy, A. A.** and S. F. Mehanna, 2003. Resource assessment and management prospective of two nemipterid species (*Nemipterus japonicus* and *N. zysron*) in the Gulf of Suez. *Bull. Nat. Inst. Oceanogr. & Fish., ARE. Vol. 29: 16-31.*

- 10- Mehanna, S. F. and **A. A. El-Ganainy**, 2003. Population dynamics of *Sardinella jussieui* (Valenciennes, 1847) in the Gulf of Suez, Egypt. *Indian J. of Fisheries*, 50 (1): 67-71.
- 11- **El-Ganainy, A. A.**, 2004. Biological characteristics and fishery assessment of the lizard fish *Saurida undosquamis* from the Red Sea, Egypt. *Egypt. J. Aquat. Biol. & Fish.*, 8(2):93-113.
- 12- **El-Ganainy, A.A.**, Wafaa S. Sallam and M.H.Yassien, 2004. Population Dynamics of the Mantis Shrimp *Erugosquilla massavensis* (Crustacea: Stomatopoda) from the Eastern Mediterranean Sea, Egypt. *Proc. I.C.B.S.*, 3 (1): 88-100.
- 13- **El-Ganainy, A.A.**, M.H.Yassien and E.I. Awad, 2005. Bottom trawl discards in the Gulf of Suez, Egypt. *Egyptian Journal of Aquatic Research*, Vol. 31, special issue, 240 – 255.
- 14- **El-Ganainy, A.A.**, Sabra, M.M. and M. Zaki, 2006. Biology and toxicity of the Puffer fish *Lagocephalus sceleratus* from the Gulf of Suez *Egyptian Journal of Aquatic Research*, Vol. 32 No (1): 283-297.
- 15- **El-Ganainy, A.A.**, M.H.Yassien and M.H. Hassan, 2006: Population structure of two endangered holothurian species from the Gulf of Aqaba, Red Sea, Egypt. *Egyptian Journal of Aquatic Research*, Vol.32, No. 2:11-27.
- 16- **El-Ganainy, A.A.** and M.H.Yassien, 2007. Stock assessment and management implications of three penaeid species in the Gulf of Suez, Red Sea, Egypt. *IJOO*, Vol 2 (3)
- 17- Al Mamry, J. M; **A.A. El Ganainy**; I. McCarthy; C. Richardson; and S. Ben Meriem, 2007. Age, growth and reproductive biology of the spangled emperor, *Lethrinus nebulosus*, Lethrinidae (Frosskal, 1775) from the Arabian Sea, Oman. *Egyptian Journal of Aquatic Research*, vol. 33(1): 395-410.
- 18- **El-Ganainy, A.A.**, Gerges, M. A.; Yassien, M. H.; Hasanin, M. A. and Sabra, M. M., 2007. Introducing an active role of women in small-scale fisheries: A primary experience in an artisanal fishing community in Egypt. *PACEM IN MARIBUS XXXII CONFERENCE 5-8 NOVEMBER 2007*.
- 19- **El-Ganainy, A.A.** and M.M. Sabra, 2008. Age, Growth, Mortality and Yield per Recruit of the Filefish *Stephanolepis diaspros* (Fraser-Brunner, 1940) (Pisces: Monacanthidae), in the Gulf of Suez, Egypt. *Journal of Fisheries and Aquatic Science* 3 (4): 252-260.
- 20- **El-Ganainy, A.A.** and Hassan, A.A. 2008 Biology and fishery of two cichlid species (*Oreochromis niloticus* and *O. aureus*) from Lake Timsah. Egypt. *J. Egypt. Acad. Soc. Environ. Develop.*, 9 (2): 93-103.
- 21- **El-Ganainy, A.A.** and Riad, R. 2008. Population structure of the Octopus *Octopus defilippi* (Verany, 1851) from the Gulf of Suez. *Egypt. J. Aquat. Biol. & Fish.* 12 (2): 81-91.

- 22- **El-Ganainy, A.A.** and Sabra , M. M. 2008. Population biology and assessment of the striped piggy *Pomadasy's stridens* in the Bitter lakes, Suez Canal. *Egyptian Journal of Aquatic Research*, Vol. 34 No (2): 372-382.
- 23- **El-Ganainy, A.A.**, Mamdouh, A. Fahmy and Mohamed H. Yassien, 2008. Fisheries management plane for Bardawil Lagoon, Northern Sinai, Egypt. Special issue of IOI publications in occasion of the International year of reef (IYOR) 2008.6-9 pp.
- 24- **Azza, A. El-Ganainy**, 2008. The Enhancement of the Role of Women in the Artisanal Fishing Communities to Help in Improving the Livelihood of Their Families. Accepted for publication in UNDP VOL.
- 25- **El-Ganainy, A.A.**, Abeid, M. L.; Abdel-Rahman, A. Yassien, M. H. 2008. Impact of intensive collection of reef fishes for aquarium trade on coral communities and reef fish assemblages in the Gulf of Suez. *Egyptian Journal of Aquatic Research*, Vol. 34 No (2):356-371.
- 26- Yassien, M.H. and **El-Ganainy, A.A.** and Hasan, M.H. 2009. Shellfish fishery in the north western part of the Red Sea. *WJFMS*, 1 (2): 97-104
- 27- **El-Ganainy, A.A.** and M.M. Sabra, 2009. Population characteristics of *Tilapia zillii* (Gervais, 1848) in Lake Timsah, Suez Canal, Egypt. *Egyptian Journal of Aquatic Research*. Vol. 35 (1):177-191
- 28- **El-Ganainy, A.A.**, M.H. Yassien and M.H. Hassan, Spatial variation in the population structure of the giant clam *Tridacna squamosa* from the Gulf of Aqapa, Red Sea. (in press).
- 29- Sabra, M. M. and **A. A. El-Ganainy**, 2009. Observation on Biological traits of striped goatfish (*Upeneus vittatus*) and freckled goatfish (*Upeneus tragula*) from the Gulf of Suez, Egypt. *World Journal of Fish and Marine Sciences*, 1(2): 121-128.
- 30- Yassien, M.H., **Azza A. El-Ganainy** and Wafaa S. Sallam, 2009. Age, growth and mortality rates of *venerupis aurea* from Timsah Lake, Suez Canal. Egypt. *Egyptian Journal of Aquatic Research*, Vol. 45 No (3):317-324.
- 31- **El-Ganainy, A.A.**, and M.M. Sabra, Preliminary assessment of the round herring, *etrumeus teres*, stock in the Gulf of Suez, Red Sea, Egypt. Accepted for publication in the J. of Fish Biology.