

C. V.

(I) Personal Data:

Name : Hossam Hassan Hussein Abbas.

Degree: Ph.D., Faculty of Science, Cairo University.

Place of work: National Research Center.

Position: Professor Doctor, Hydrobiology Department,
Veterinary Research Division, National Research Centre.

Birth Date: 18 / 11 / 1964.

Marital Status: Married and have two daughters and son.

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(II) Previous places of work:

1- Animal Production Research Institute (1988-1992).

2-Central Laboratory for Aquaculture Research - Abbassa (1992-2003).

Present place of work: Hydrobiology Department, Veterinary Research Division, National Research Centre (2003-up till now)

Language proficiency: English (excellent, writing, reading & speaking).

(III) Education:

- **B. Sc.** Faculty of Science, Zagazig University, (general grade: Very Good), 1986.
- **MSC.** In the field of aquaculture (Environmental physiology), Entitled with "Effect of lead on some physiological and biochemical aspects of Nile tilapia; *Oreochromis niloticus*", Faculty of Science, Cairo University, 1995. (German judgment).
- **Ph.D.** In the field of aquaculture Entitled with "The toxicological effects of copper and lead on some physiological aspects in two fish species, blue tilapia (*Oreochromis aureus*) and African catfish (*Clarias gariepinus*)", Faculty of Science, Cairo University, 1999 (Netherlands and German Judgment).

- **Associate Professor** in the field of Hydrobiology (NRC, 31/10/2004).
- **Professor Researcher** in the field of Hydrobiology (NRC, 3/1/2010)

(IV) Training Courses and Previous Experiences:

- 1- Board member in the unit of developing and husbandry of aquatic organisms, Hydrobiology Department, Veterinary Research Division, National Research Center.
- 2- Training course about integrated fish farming in **China** (1998) for four months.
- 3- Studies many courses about marine biology, osmality of the cell membrane and the adaptation of marine fishes, Faculty of Science, Cairo University.
- 4- Worked in “Animal Production Research Institute”, for five years (1988-1992).
- 5- Many courses in the principles of aquaculture, integrated fish culture, scientific writing and agricultural expert system. (1992-1998).
- 6- Courses in computer; DOS, MS word, Quattro pro., Windows 95, SAS, Word, Excel, Harvard graphics and SPSS....etc. (Excellent computer operator and statistical analysis).
- 7- English courses (TOEFL) in American University of Cairo (AUC).
- 8- Course about the environment and its relation with the animal health.
- 9- Course in the assessment methodology about the effect of insecticides on the animal and plant tissues.
- 10- Course about microanalysis technique and the agricultural insecticides.
- 11- Teach many lectures in some training courses in the Central Lab. for Aquaculture Research.
- 12- Sharing in the preparing of a memorandum of understanding for co-operation and co-ordination between Egypt and China in the aquaculture field. And export 10000 pure strain tilapia fries to China in 1999.
- 13- Training courses about internet (Basic & Professional).

- 14- Write some reports about aquaculture technique in the Egyptian Aquaculture Society newsletter.
- 15- Contribute and help in preparing many scientific thesis.
- 16- Course in the principles of the fish culture, spawning, rearing and culture of Nile tilapia and catfish.
- 17- Course in the Chinese language for three months.
- 18- Teach in some agriculture and science faculties.
- 19- Attend a symposium about "assessment of using sex reversal hormone in Nile tilapia production.
- 20- Have a good experience in the microanalyses technique and knew how deal with the scientific instrumental analyses and passed many training courses in that field.
- 21- Introduce the best report of the year for the ministry of agriculture about the official training course in China in 1998.
- 22- Teach in a training course titled "New technology in aquaculture" during the period from 16/5/2005 till 29/5/2005 at the training centre of National Research Centre.
- 23- Contribute in organizing many national and international conferences.
- 24- Editorial board member & reviewer of the following Journal(s): Journal of Applied Sciences, Journal of Biological Sciences, Pakistan Journal of Biological Sciences, Research Journal of Environmental Sciences, Research Journal of Environmental Toxicology, Asian Journal of Scientific Research.
- 25- Give a lecture about "The Future of Aquaculture in Egypt (Aquaculture as a National Project for Youth)" in Al-Ahram Science Club (Al-Ahram Newspaper-Egypt), 28 February, 2008.
- 26- Teach in an international training course titled "New application of biotechnology in fish production and its effect on product quality" during the period from 2/3/2008 till 13/3/2008 at the training centre of National Research Centre.
- 27- Participate as a lecturer in the international training course entitled "Malaria Control" during the period from 24-29 May, 2008 in National Research Centre with the contribution of the Egyptian Fund for Technical Cooperation with Africa. **Lecture title is** Control of mosquito breeding through Tilapia and Gambusia fish.

- 28- Organize and Teach in a workshop titled "Definition of the genetic classification of fish and methods of maintaining the natives genetic strains" during the period from 1/3/2009 to 15/3/2009.
- 29- Teach in a training course for African Countries titled "Fish culture" during the period from 17/5/2009 to 4/6/2009 in National Research Centre.
- 30- Attend a symposium about "The biological control and its role in producing a safe food" in 9/6/2009, National Research Centre.

(V) Society's member:

- 1- The Egyptian German Society of Zoology.
- 2- The Egyptian Society of Aquaculture (Board member).
- 3- The Union of Arab Biologists Society.
- 4- Syndicate of Scientific professions.
- 5- Agricultural Research Centre Society.
- 6- Society of Physiological Sciences and their Applications.
- 7- Egyptian Veterinary Medical Association.
- 8- Member of the editorial board as a **technical editor** for Pakistan Journal of biological sciences (PJBS).
- 9- Member of the Egyptian Agribusiness Association (EAGA)

(VI) Scientific Activities

A. Conferences and Symposiums:

- 1- Contribute in a symposium about "Strategic environmental assessment" in 13 April 2000, at Cairo University, Faculty of Urban and Regional Planning.
- 2- Contribute in a symposium about "Protection of the environment from pollution" in 15 April 2000, at Academy of Scientific Research and Technology (Scientific Instruments Center).
- 3- Contribute in a conference about "Agricultural and Social Development and Preparing Youth Programs under the International Project of Sinai Development" from 16 - 20th May 2000. At Faculty of Agricultural Science of Arish, Suez Canal University.

- 4- Contribute in the 11th International Conference of the Egyptian-German Society of Zoology, Faculty of Science, South Valley University, Aswan Governorate - Egypt. "Development and Increasing the Production and the Maintenance of Human Health" (February, 2001).
- 5- Contribute in the 12th international conference of the Egyptian-German Society of Zoology, faculty of science-Mansoura University (Dimietta)-Egypt (3-7 March 2002).
- 6- Contribute in the 1st scientific conference of the Egyptian Aquaculture Society. Arish-North Sinai governorate-Egypt (13-15 December, 2002).
- 7- Contribute in the Al-Ahraam newspaper symposium about "Aquaculture in Egypt between facts and future" (2/3/2003).
- 8- Contribute in the Ain Shams university conference about "Marketing problems for the Egyptian fishes" (15-16 April 2003).
- 9- Contribute in the conference of the agricultural science faculty - Suez Canal University "Strategic investment of the underground water for fish aquaculture in the desert areas" (22-24 April 2003).
- 10-Contribute in the third international scientific conference about "The role of veterinary medicine for community" At Mansoura University in 29-30 April 2003.
- 11-Contribute in the 3rd Middle East conference (Conrad Hotel-Cairo) about "The new techniques in fish aquaculture, manufacturing of fish foods and fish nutrition. By Amanous Kahl company, (2-3 June 2003).
- 12-Contribute in the Ain Shams university conference about "Exportation of the Egyptian fishes" (What is beyond the horizon.....) (11-12 May 2004).
- 13-Contribute in the American Soybean Association Symposium about "Tilapia fish nutrition" In Four Seasons Hotel (5 June 2004).
- 14-Contribute in the scientific symposium about "Crayfish...The problem and the solution" (29/1/2005) at the National Research Centre.
- 15-Contribute in "workshop on formulating a strategic program to strengthen the Egyptian fishery sector" (23-24/2/2005) Stella Di Mare Hotel-Ain Sukhna-Egypt.
- 16-Contribute in the conference of the Central Lab. For Aquaculture Research (Abbassa Fish Farm About "The development of fish resources in Egypt between the present and the future" (1/3/2005) Abbassa-Abu- Hammad-Sharkia.

- 17-Contribute in workshop entitled "Follow up of strengthening the Egyptian fishery sector" in 4/4/2005 (Marriot Hotel-Zamalek-Cairo-Egypt) under the supervision of the Royal Netherlands Embassy and the Office of the Agricultural Counselor in Cairo and the Egyptian Agribusiness Association (EAGA).
- 18-Contribute in the American Soybean Association Symposium about "ASA Fish Nutrition" In Four Seasons Hotel (5 June 2005).
- 19-Contribute in The Second International Conference of the Veterinary Research Division under the theme of "Role of Veterinary Medicine in Developing Animal, Poultry and Fish Resources" during the period 27-29/6/2005 in the National Research Center.
- 20-Symposium about "Intensive aquaculture in Egypt" in Faculty of agriculture, Ain Shams University in 19/9/2005.
- 21-Symposium about "Exporting of the Egyptian Marine fishes" in the Academy of Scientific Research and Technology, Cairo Egypt, in 21/9/2005.
- 22-Contribute in the symposium of "Culture of Marine Shrimp in Egypt-Problems and Challenges" in 17/5/2006 at Faculty of Agriculture, Ain Shams University, Cairo, Egypt.
- 23-Contribute in the conference of Egyptian Agribusiness Association (EAGA) about "Fish Sector and Marine products- The opportunities and Challenges" in 25/5/2006 at Four Seasons hotel, Cairo Egypt.
- 24-Contribute in the symposium of "Updating of fish feed industry & fish feeding tomorrow" from 10/6/2006 to 11/6/2006 at Faculty of Agriculture, Alexandria University.
- 25-Contribute in a symposium entitled "Fish Cages and Nile River" in 14/6/2006 at the Academy of Scientific Research and Technology, Ministry of Scientific Research.
- 26-Contribute in the 1st Exhibition and Conference 'Eshraka' for Construction and Building the desert, during the period from 26/7/2006 to 29/7/2006, at Golf El-Solimania, Cairo-Alexandria desert road.
- 27-Contribute in the second international conference of Environmental Research Division on Environmental Science and Technology, 4-6/9/2006 at National Research Centre, Cairo, Egypt.
- 28-Contribute in organizing the second international conference of Egyptian Aquaculture Society (EgAS) about "Future perspectives for

Egyptian aquaculture development", 5-7/9/2006 at Palma Beach, Abu Sultan, Ismailia governorate, Egypt.

- 29-Contribute in the American Soybean Association (ASA) conference, titled "ASA-IM 11th Annual Regional Soybean conference, 9-10/9/2006 in JW Marriott Hotel, Mirage city, Cairo, Egypt.
- 30-Take part in the Workshop of Egyptian Agribusiness Association (EAGA) to establish a detailed plan work for developing the fish sector in 2007, at Stella Di Mare Hotel- Ain Sukhna-Egypt in 13-15 September, 2006.
- 31-Attend the second international conference of "Genetic Engineering and its Applications" Organized by the Egyptian Society of Genetics, 14-17 November, 2006, Sharm El-Sheikh, South Sinai, Egypt.
- 32-**Contribute in the Road for Nobel Project (Recently Centre of excellence for Advanced Sciences), National Research Centre from 2006 till now.** And contribute in establishing the fish farm of the National Research Centre at El-Nobaria.
- 33-Contribute in the 3rd international scientific conference of the Veterinary Research Division, National Research Centre, Cairo, Egypt, December 5-6, 2006 (Reporter of Posters Session).
- 34-Contribute in the 4th international scientific conference of the Arab Republic of Syria about "Scientific Research Outlook & Technology" (SRO 4) with an accepted oral presentation paper "Accumulation and distribution of copper and zinc in both water and some vital tissues of two fish species (*Tilapia zillii* and *Mugil cephalus*) of Lake Qarun, Fayoum province, Egypt" from 11-14 December, 2006, at the Umayyad Palace, **Damascus, Syria**.
- 35-**Candidate for acquisition** of the National Research Centre Award for Scientific encouragement.
- 36-**Obtain Award for the best research paper** (1000 USA\$) in The Arabian Seas International Conference on Science and Technology of Aquaculture Fisheries and Oceanography in the Arabian Seas. Kuwait Institute for Scientific Research 10-13 February, 2007, Kuwait. The paper title is "Assessment of the Adverse Effects of Thiobencarb and Dithiopyr Herbicides on the Nile Tilapia, *Oreochromis niloticus*". Iman M.K. Abumourad, Hossam H. Abbas, Ashraf E. badawi and Mohamed M. Authman.

- 37- Contribute in a workshop about "Intellectual property protection between legislation and implementation" organized by League of Arab States from 24-26 April 2007 at League of Arab States building, Cairo.
- 38- Contribute in a workshop about "Egyptian Aquaculture Strategy Stakeholder Workshop" organized by World Fish Center and Ministry of Agriculture and Land Reclamation from 6-7 May 2007 at Foreign Agriculture Relations, Dokki, Giza, Cairo.
- 39- Contribute in a workshop on "Cage Aquaculture in Egypt" organized by American Soybean Association and Egyptian Agribusiness Association (EAGA) during the period from 12-13 May 2007 at Four Season Hotel, Cairo.
- 40- Contribute in the 9th international conference on the biogeochemistry of trace elements (9th ICOBTE) with an two accepted papers (As Posters) entitled " The effect of sublethal doses of cadmium on the disposition of some trace elements and liver function in common carp (*Cyprinus carpio* L.)" **and** " The role of Vitamin C in reducing toxicity of cadmium metal on Nile tilapia *Oreochromis niloticus*" from 15-19 July, 2007, **Beijing, China.**
- 41- Contribute in a seminar titled "Sustainable aquaculture in Egypt; developing the export value chain" during the period from 1-2 September 2007 at Aida ballroom, Marriott Hotel Zamalek, Cairo, Egypt, under the auspices of The Egyptian Agribusiness Association and The Embassy of the Kingdom of the Royal Netherlands.
- 42- Contribute in the 2nd scientific conference of the Egyptian Society for water, Aquaculture and Environment "The sustainable development of aquaculture" from 13-14 January, 2008, at the Guest house of Ain Shams University, Cairo, Egypt.
- 43- Attend and contribute in organizing a workshop about "Genetic biomarkers as indicators for pollution in fish" from 5-7 February, 2008 at the National Research Centre, Giza, Cairo, Egypt.
- 44- Attend and contribute in organizing the 4th International Conference of the Veterinary Research Division under the theme of "Veterinary Medicine and Consumer Protection", from 26-28 February, 2008 at the National Research Centre, Giza, Cairo, Egypt.
- 45- Attend and contribute in The International Conference on The Economic Importance of Fisheries and their Impact on Public Health, 8-10 March 2008 **Muscat, Sultanate of Oman.**
- 46- Attend the 3rd international conference of environmental research division under the theme of "Environmental Science & Technology,

Egypt 2008" from 1-3 April, 2008 at the National Research Centre, Giza, Cairo, Egypt.

- 47- Attend and contribute in The 6th International Conference on "Biotechnology and The Safety of The Environment", 21-28 August 2008 **Istanbul, Turkey**. (With accepted paper entitled: Assessment study about using underground water for tilapia culture for the first time in El-Bahria Oasis desert, Egypt).
- 48- Attend the Eighth International Symposium on Tilapia in Aquaculture (ISTA VIII) "From the Pharaohs to the Future". During the period from 12-14/10/2008 at Cairo International Convention Center (CICC), Egypt. Under supervision of World Aquaculture Society.
- 49- Attend s Symposium about "The future of ht fish culture in El-Deeba triangle- Domitta governorate" at the Academy of Scientific Research and Technology (1/4/2009).
- 50- Attend and organize the first international conference on Biotechnology and Environmental safety during the period from 14-16 April, 2009 in National Research Centre, Giza, Cairo, Egypt.
- 51- Attend a symposium about the biological resistance and its role in producing a safe food, 9/6/2009, National Research Centre.
- 52- **Recorded in Marquis Who is Who in the world, 2011, 28th Edition.**
- 53- Contribute as a conference secretary and speaker of the Fifth International conference of Veterinary Research Division under the theme of "Advanced Techniques for the Development and Protection of Animal Resources" February 22-24-2-2010 in National Research Centre.
- 54- Review article about "Morph-Biological studies on crayfish with its impact on freshwater fishery" 70 pages, 2004.
- 55- State of the Art about "Adverse environmental factors affecting aquaculture in freshwater" 115 pages, 2009.
- 56- Attend and passed a training course entitled "Feasibility study and evaluation of projects" organized by the global centre for human investment, from 6-10 February, 2010, The new Alexandria Library, Alexandria, Egypt.
- 57- Attend and passed a training course entitled "Treatment of solid and liquid wastes in the industry" organized by the global centre for human investment, from 13-17 February, 2010, Cairo, Egypt.
- 58- Attend and organize the international symposium on "Recent global trends in Aquaculture" 8 June, 2010, Faculty of Agricultural and Environmental Science, Suez Canal University, North Sinai governorate, Egypt. In addition, present a general lecture entitled "The future of aquaculture in Arab Republic of Egypt".

- 59- Attend and organize the third international scientific conference on "Marketing constraints for the Egyptian fishes" 3-5 August, 2010, Suez Canal University, North Sinai governorate, Egypt. Moreover, present a general lecture entitled "Problems of transporting and handling of fish after harvesting".
- 60- **Deputy Head of Hydrobiology Research Department**, Veterinary Research Division, National Research Centre, from September 2010 till now.
- 61- Participate in the 3rd Scientific Conference for Research on Fisheries and Aquaculture in the Middle East and North Africa from 29 November to 1 December, 2010 Building of Foreign Agricultural Relations, International Center for Agriculture, Dokki, Giza, Arab Republic of Egypt.
- 62- Participate in the first International Conference on biodiversity of the aquatic environment "Towards a diverse and sustainable world" from 13-15 December, 2010, **Lattakia, Syria**. (I participated with a scientific paper entitled "Effect of culture period length on growth performance of newly hatched fries and over-wintered tilapia fish fingerlings; *Oreochromis* spp."), Also I was a session chairman entitled "Aquaculture and Fish Biology".
- 63- Participate in "the 4th global fisheries & aquaculture research conference and the 15th conference of Egyptian society of fisheries development" from 3-5 October, 2011, Giza, Cairo.
- 64- **Certificate of Merit for excellence** in research output for 2011 from the National Center for Research.
- 65- Participate in "the 5th global fisheries & aquaculture conference" from 1-3 October, 2012, Faculty of Agriculture, Cairo University, Giza, Cairo.
- 66- Participate in the 16th Scientific Conference of The Egyptian Society for the Development of Fish Wealth and Maintaining Human Health "10 October, 2012, Guest house, Ain Shams University, Cairo.
- 67- Participate in the International Conference about "Land-Sea Interactions in the Coastal Zone" (LANDSI) from 6-8 November, 2012, **Jounieh-Lebanon** (I participated with a scientific paper).
- 68- My biographical profile has been selected by **Marquis Who's Who** for inclusion in the new **30th Pearl Anniversary Edition of Who's Who** in the World based on the reference of my outstanding achievements.
- 69- Contribute in composing a book entitled "Eco-Toxicology and Eco-Technology". 2012, Discovery Publishing House PVT. LTD, New Delhi-110002, India. WWW.discoverypublishinggroup.com.
- 70- Participate in workshop about "Chemical Risk Management Training" from 21-22 November, 2012, National Research Centre, Cairo, Egypt.

- 71- Submit a lecture about "Fish production in Egypt as a good project for youth" In Al-Ahram Newspaper, 29/11/2012.
- 72- Contribute in composing a book entitled " Freshwater Ecosystem and Xenobiotics". 2013, Discovery Publishing House PVT. LTD, New Delhi-110002, India. WWW.discoverypublishinggroup.com.
- 73- Participate in the sixth International Conference of Veterinary Research Division " Development and Protection of Animal Wealth " from 21-23 May, 2013, National Research Center, Cairo, Egypt. Also I was a member of the scientific committee of the conference and session reporter in the aquaculture session".
- 74- Participate in the national workshop on “Innovation is your way to achieve food security” which hold in the League of Arab states at Cairo, Egypt, by co-operation with Arab Organization for Agricultural Development, during the period from 3-4/ 12/2013. With a presentation lecture entitled “Integrated fish farming in the desert- The promising alternative”

B. Research Activities and Published Papers:

- 1-“Changes in body weight gain of blue tilapia; *Oreochromis aureus* during long-term exposure to sublethal concentrations of formalin”. **Source:** Egypt. J. Agric. Res., 78(4), 2000.
- 2-“Effect of copper and lead toxicity on some physiological characteristics of blue tilapia; *Oreochromis aureus* and African catfish; *Clarias gariepinus* exposed to copper and lead”. **Source:** J. Egypt. Ger. Soc. Zool., Comparative Physiology, 34(A):225-244, 2001.
- 3-“Effect of some heavy metals pollutants on some biochemical and histopathological changes on blue tilapia; *Oreochromis aureus*”. **Source:** Egypt. J. Agric. Res., 80(3), 2002.
- 4-“Preliminary observation on the effect of Damssisa plant (*Ambrosia mortima*) on some physiological parameters of grass carp (*Ctenopharyngodon idella*)”. **Source:** 1st Scientific Conference of the Egyptian Aquaculture Society, Faculty of Environmental Agricultural Sciences, El-Arish- North Sinai-Egypt, 13-15, December, 2002.
- 5- “Bioconcentration of copper and cadmium in some tissue organs of Tilapia nilotica; *Oreochromis niloticus*”. **Source:** J. Egypt. Vet. Med. Assoc., 63(5):47-60, 2003.
- 6- “Hematological and biochemical changes in *Oreochromis aureus* and *Clarias gariepinus* exposed to mixture of copper and lead salts”. **Source:** J. Basic Appl. Physiol., 3(1):89-106, 2004.

- 7- "The toxicological effects of water pollution on the Nile tilapia fish (*Oreochromis niloticus*) collected from four sites along the River Nile". **Source:** J. Egypt. Vet. Med. Assoc., 63(5):307-323, 2003.
- 8- "Some Studies on the effects of different water temperatures and salinities on growth performance of Nile tilapia (*Oreochromis niloticus*) fingerlings". **Source:** J. Basic Appl. Physiol., 3(1):107-120, 2004.
- 9- "Accumulation of copper and lead mixture in blood and some selected organs of blue tilapia (*Oreochromis aureus*) and African catfish (*Clarias gariepinus*)". **Source:** Egypt. J.Aquat.Biol. &Fish., 8(1):181-202, 2004.
- 10- "The effect of different artificial feeding periods on production, some biochemical and physiological traits of Nile tilapia and its economical efficiency". **Source:** J. Egypt. Acad. Soc. Environ. Develop., 4(2):45-61, 2003.
- 11- "Studies on the reproductive biology of freshwater black bayad; *Bagrus docmac* in Lake Nasser, Aswan, Egypt". **Source:** Egypt. J.Aquat.Biol. &Fish., 9(3):41-58, 2005.
- 12- "Rice-Fish-Azolla integrated culture systems". **Source:** J. Egypt. Acad. Soc. Environ. Develop., 6(2):65-85, 2005.
- 13- "Effect of different kinds of fertilizers and artificial feeding on *Tilapia nilotica* fish (*Oreochromis niloticus*) production". **Source:** J. Basic Appl. Physiol., 5(2): 169-205, 2006.
- 14- "Acute Toxicity of Ammonia to Common Carp Fingerlings (*Cyprinus carpio*) at Different pH Levels". **Source:** Pakistan Journal of Biological Science, 9(12):2215-2221, 2006.
- 15- "Toxicity and efficacy of lidocaine as an anesthetic for Nile tilapia; *Oreochromis niloticus*". **Source:** Online Journal of Veterinary Research (Australia), 10(1):31-41, 2006.
- 16- "Studies on metacercarial infestations in some freshwater fishes". **Source:** Journal of the Egyptian Aquaculture Society, 1:1-13, 2006.
- 17- "Effect of different levels of dietary vitamin C supplementary on growth indices and some physiological and biochemical responses in African catfish: *Clarias gariepinus*". **Source:** J. Basic Appl. Physiol., 6(1):35-50, 2007.
- 18- "Studies on the effect of Thiobencarb herbicide on some biological, physiological, biochemical, histological and genetic aspects of Nile tilapia, *Oreochromis niloticus*". **Source:** Egypt. J.Aquat.Biol. &Fish., 11(1):123-150, 2007.
- 19- "Accumulation and distribution of copper and zinc in both water and some vital tissues of two fish species (*Tilapia zillii* and *Mugil cephalus*) of Lake

- Qarun, Fayoum province, Egypt". **Source:** Pakistan Journal of Biological Science, 10(3):2106-2122, 2007.
- 20- "Vitamin C and cadmium toxicity in fish *Oreochromis niloticus*". **Source:** Online Journal of Veterinary Research (Australia), Volume 11 (1): 54-74, 2007.
- 21-"Study the effect of hexavalent chromium on some biochemical, cytotoxicological and histopathological aspects of the *Oreochromis* spp. Fish". **Source:** Pakistan Journal of Biological Science, 10(22):3973-3982, 2007.
- 22- -"Toxicity assays applied to wastewater of 10th of Ramadan industrial city, Egypt". **Source:** Bulletin of National Research Centre, Egypt, 32(6):635-645, 2007.
- 23-"Toxicity of Dithiopyr herbicide to Nile tilapia (*Oreochromis niloticus*): Singly and in combination with Thiobencarb". **Source:** Journal of Veterinary Medicine Association, 68(1):33-58, 2008.
- 24- "Effect of sublethal doses of cadmium on the disposition of zinc and copper elements and liver function in common carp (*Cyprinus carpio* L.)". **Source:** Bulletin of National Research Centre (Bull. NRC, Egypt, 33(1):69-78, 2008).
- 25- " Assessment Study about Using Underground Water for Tilapia Culture for the First Time in El-Bahria Oasis, Egypt". **Source:** Nutrition and Health (England), 19(4):237-256, 2008.
- 26- "Effects of accumulated selenium on some physiological parameters and oxidative stress indicators in Tilapia fish (*Oreochromis* spp.)". **Source:** American Eurasian Journal for Agriculture and Environmental Sciences, 5(2):219-225, 2009.
- 27- Iman M.K. Abumourad; Hossam H. Abbas; Ashraf A.El-Badawi and Mohammad M. N. Authman (2010): Toxicological assessment of thiobencarb and dithiopyr on Nile tilapia. **Source:** Online Journal of Veterinary Research, 14(2):233-245, 2010.
- 28- "Effect of culture period length on growth performance of newly hatched fries and over-wintered tilapia fish fingerlings; *Oreochromis* spp." **Source:** INOC-Tischreen University, International Conference on Biodiversity of the Aquatic Environment, 258-266, 2010.
- 29- "Assessment the impact of 17 α -methyltestosterone hormone on growth, hormone concentration, molecular and histopathological changes in muscles and testis of Nile tilapia; *Oreochromis niloticus*". **Source:** Life Science Journal 8(3):329-342, 2011.
- 30- " An Evaluation of the Effect of 17 α -Methyltestosterone Hormone on some Biochemical, Molecular and Histological Changes in the Liver of

- Nile Tilapia; *Oreochromis niloticus*". **Source:** Life Science Journal 8(3):343-358, 2011.
- 31- "Seasonal variations and prevalence of some external parasites affecting freshwater fishes reared at Upper Egypt". **Source:** Life Science Journal 8(3):397-400, 2011.
 - 32- "Study on clinopathological and biochemical changes in some freshwater fishes infected with external parasites and subjected to heavy metals pollution in Egypt"
Source: Life Science Journal 8(3): 401-405, 2011.
 - 33- "Assessment study on the use of pawpaw; *Carica papaya* seeds to control *Oreochromis niloticus* breeding". **Source:** Pakistan Journal of Biological Science, 14(24):1117-1123, 2011.
 - 34- "Effect of seasonal temperature changes on thyroid structure and hormones secretion of white grouper (*Epinephelus aeneus*) in Suez Gulf, Egypt". **Source:** Life Science Journal 9(2):700-705, 2012.
 - 35- "Assessment of metal status in drainage canal water and their bioaccumulation in *Oreochromis niloticus* fish in relation to human health. **Source:** Environmental Monitoring and Assessment, 185: 891-907, 2103.
 - 36- "Effect of selenite and selenate pollution on water quality and meat pollution on Nile tilapia". **Source:** Arabian Aquaculture 2013 & Exposition, Faculty of Agriculture (Saba Basha) Alexandria University, Alexandria, Egypt, 26-27 June 2013.

(VII) Patents:

- 1- I have registered a new patent entitled "New design for the fish ponds in desert" with a registration number 386 in 24/7/2007 at Academy of Scientific Research and Technology, Egypt.

(VIII) Projects:

- 1-Contribute in a project titled "Phylogenetic by molecular marker in local strains of fish ". (*Sponsored by Academy of Scientific Research and Technology*).
- 2- Contribute in a project titled "Phylogenetic of local fish species to produce genetically engineered fish". (*Sponsored by National Research Center*).
- 3- Contribute in a project titled "Control of bacterial and parasitic diseases in freshwater fish". (*Sponsored by National Research Center*).

- 4- Contribute in a project titled "Production of transgenic fish tolerant to saline water and pollution and health hazards associated with accumulation of viruses on human". (*Sponsored by the ministry of international co-operation*).
- 5- Contribute in a project titled "Biogenic amines formation and bacterial contribution in cured fishery products". (*Sponsored by National Research Center*).
- 6- Contribute in a project titled "Biotechnology for sustainable and enhancement of fish productivity in Egyptian aquaculture". (*Sponsored by National Research Center*).
- 7- Contribute in a project titled "Control of prevailing diseases of cultured freshwater shrimp *Macrobrachium rosnbergii* in Egypt". (*Sponsored by the ministry of international co-operation*).
- 8- Contribute in a project titled "Improvement of cultured freshwater tilapia *Oreochromis niloticus* production by control of prevailing external parasitic diseases in Egypt". (*Sponsored by National Research Center*).

(IX) Scientific Articles and Social contributions:

***Wrote many scientific articles in the newsletter of the Egyptian Aquaculture Society (EgAS):**

- 1- Volume October 2002 from page 12 to 14 titled "Daily management (Routine management) for fish farms ponds".
- 2- Volume May 2004 from page 65 to 67 titled "Factors affecting carrying capacity and stoking density".
- 3- Volume September 2006 from page 54 to 57 titled "Crayfish in Egypt".
- 4- Wrote a scientific article entitled "Problems of Crayfish" volume 11:22-24, 2010, in ASMAK Magazine, Middle East and South Africa.

***Wrote many scientific articles in the Egyptian newspapers:**

- 1- El-Ahram newspaper (Friday reportages) in 27/5/2005 page number 13 titled "Crayfish ...New Nile invader".
- 2- Horrity magazine volume 799 in 29/5/2005 pages 32-33 titled "Pollution affects the vitality and reproduction of fish".
- 3- El-Mostakbal Magazine, Volume 15 in October 2005 titled "Culturing of fish in El-Wahat Elbaharia desert".

- 4- El-Ahram Economy newspaper in 16/10/2005 page number 14 titled "Crayfish The slanderer...Threat the Nile resource...And the experts determine the right way to cook it".
- 5- El-Akhbar newspaper in 17/3/2005 page 11 titled "Desert fish...The promisor alternative.
- 6- El-Ahram newspaper (Friday reportages) in 17/3/2006 page number 41 titled "Fish culture in desert...Successful experiment".
- 7- El-Masry El-Youm newspaper in 13/10/2007 page number 6 titled "Obstacles of fish culture in Egypt".
- 8- Two lectures in El-Ahram Newspaper association (Al-Ahram Science Clubs) about *Aquaculture in Egypt (28/2/2008) and * Freshwater Crowfish and how to deal with it (26/6/2008).
- 9- Eshraka Magazine, Volume 33 from page 66 to 67 titled "Culturing of fish in desert is the only alternative".
- 10- El-Resala magazine, Volume October 2005 Page number 31 titled "Culturing of fish in El-Wahat Elbaharia desert".
- 11- Co-operate with Mustafa Mahmoud Society to establish an integrated fish farm by using Well water for the first time in El-Wahat Elbaharia desert.
- 12- Co-operate with the Biology department of the American University in Cairo in producing some scientific papers and scientific guidance for the department's students.
- 13- Al-Gamaheer newspaper in 11/2/2009 page number 4 titled "Present Situation of Fishes in Egypt".
- 14- El-Akhbar newspaper in 8/3/2010 (Page 17) titled "Social community converts a very poor village to an industrial city in the middle of mountain"
- 15- El-Ahrar newspaper in 16/4/2010 (half page about my achievements)..
- 16- Eshraka Magazine, Volume 43/July 2010 from page 32 to 33 titled "Adverse environmental factors affecting aquaculture in freshwater".
- 17- El-Akhbar newspaper in 17/7/2010 (Page 3 of the attachment) titled "Crayfish of the poor people destroy Bilharzias".
- 18- El-Ahram newspaper (Sunday) in 24/3/2013, entitled "Carp fishes".

***Radio and Television activities:**

- 1- Three serial episodes for El-Manara T.V. Channel (Egyptian T.V.) about Aquaculture in Egypt.
- 2- Two serial episode for the oriented Radio broadcasting station (Egyptian Radio) to Latin American Countries about the encouragement of the immigrants investors to invest their money in the field of aquaculture in Egypt.
- 3- Four serial episode for the General Program Radio station (Egyptian Radio) about the pollution and its direct effect on fishes and indirect effect on human being, and about culturing fish in the desert.
- 4- An episode for the university and the Environment program in El-Nile T.V. Channel for High Education (Egyptian T.V.) about Aquaculture in Egypt and the effect of herbicides on fish cultured in rice fields (12/9/2007).

***Teaching in many summer training courses for the students of faculties of science:**

- 1- During the period from 16/7/2005 till 27/7/2005.
- 2- During the period from 2/7/2006 till 13/7/2006.
- 3- During the period from 1/7/2007 till 15/7/2007.
- 4- During the period from 6/7/2008 till 17/7/2008.
- 5- During the period from 11/7/2010 till 15/7/2010.
- 6- During the period from 24/7/2010 till 28/7/2010.
- 7- During July month, 2011.
- 8- During July month, 2012.

(X) Reviewer and Editorial board member in:

- 1- Journal of applied Science.
- 2- Journal of Biological Science.
- 3- Pakistan Journal of Biological Sciences.
- 4- Research Journal of Environmental Sciences.
- 5- Research Journal of Environment Toxicology.
- 6- Asian Journal of Scientific Research.
- 7- American Sciences Journal, Marsland Press Publication, Brooklyn, NY 11212, USA.

- 8- (WJFMS) World Journal of Fish and Marine Science (ISI).
- 9- (WASJ) World Applied Science Journal.
- 10- (AEJAES) American Eurasian Journal of Agricultural & Environmental Science (ISI).
- 11- (GV) Global Veterinaria Journal (ISI and SCOPUS)
- 12- (JVMAH) Journal of Veterinary Medicine and Animal Health
- 13- (WJZ) World Journal of Zoology
- 14- (AJBAS) African Journal of Basic & applied Sciences
- 15- (AEJSR) American-Eurasian Journal of Scientific Research
- 16- (MEJSR) Middle East Journal of Scientific Research (ISI)
- 17- Life Science Journal, Marsland Press Publication, Brooklyn, NY, USA.
- 18- Global Journal of Biotechnology and Biochemistry.
- 19- (JOMES) Journal of Oceanography & Marine Environmental System.
- 20- (GJBB) International Journal of Tropical Biology and conservation.
- 21- (WJAS) World Journal of Agricultural Science.
- 22- (WASJ) World Applied Science Journal.
- 23- (GJER) Global Journal of Environmental Research.
- 24- (WJEP) World Journal of Environmental Pollution.

(XI) Present Work:

- 1- Metal interactions and its effects on fish aquaculture.
- 2- Effect of some new pesticides on fish production.
- 3- The role of phytoplankton in reducing the harmful wastes (Metals, herbicides...etc.) from the aquatic environment.
- 4- Transportation of Genes and the maintaining of the local pure strains.
- 5- Supervisor on two Ph. D. and four master degrees students.
- 6- Using of untraditional source of protein in fish nutrition.
- 7- Studies about the spawning of some marine fishes.
- 8- Using of some safe plant extracts in sex reversal of Tilapia.