

CURRICULUM VITAE
(C.V.)

Name : Hoda Farouk Ahmed Zahran

E. mail : hfzahran@gmail.com

Title : Dr.

Marital state : Single

Religion : Muslim

Sex : Female

Interests : Computer, Scientific books

Date of birth : 1973

Education

. B.Sc. in Physics& Chemistry, Faculty of Science, Alexandria University, 1994, with grade "Good".

. M.Sc. in Biotechnology Science (Biotechnology Department), Institute of High Graduate Studies & Research, Alexandria University. 2001.

Thesis titled in:

Biotechnological study the biodegradation process of chlorinated hydrocarbon pesticides by some potent bacteria

. D.PH. Environmental Chemistry and Biology, High Institute of Public Health, University of Alexandria. 2004, with grade "Very Good".

. **Ph.D. Environmental Chemistry and Biology, Environmental Health Department.**

High Institute of Public Health, Alexandria University. 2008- 2009.

Thesis titled in:

Biological *versus* Physio-chemical Denitrification of Drinking Groundwater in Lower Egypt

Job Experience

- . **Researcher**, Plant Production Department, Water Research, Arid Lands Cultivation Research Institute (ALCRI), City of Scientific Research and Technological Applications, Alexandria, Egypt, from 18th November, 2013 till now.
- . **Whole labs manager**, Environmental and Natural Resources Institute, Mubarak City for Scientific Research and Technology Applications, from 15th March 2009 till November 17th, 2014.
- . **Technical manager**, Central Lab for Scientific Services and Environmental Assessment, Mubarak City for Scientific Research and Technology Applications, Managing the lab technically in all analyses (chemical, microbiological, food analyses, measurements using GC, HPLC, TOC,...etc, from August 2007 till March 14th, 2009.
- . **Chemist**, Central Lab for Scientific Services and Environmental Assessment, Mubarak City for Scientific Research and Technology Applications, Performance for all types of chemical analyses especially all water types' analyses (wastewater, groundwater, drinking water, ...etc) and highly experience in working with sensitive equipments like: HPLC, GC, TOC, from August 2003 till July 2007.
- . **Physical technician**, Genetic Engineering Institute, Biomedical Technology Department, Mubarak City for Scientific Research and Technology Applications, **Physical technician**, operating and maintaining for equipments like (Flowcytometer (FACS), Gel electrophoresis, Digital microscope,... etc), from August 1995 till August 2003.
- . **Part time demonstrator**, Faculty of Science Alex University, Physics Department, teaching practical physics course for under Graduates (preparatory Faculty of Pharmacy, 1st and 2nd year of Faculty of Education, and 1st and 2nd year of Faculty of Science), from Jan. 1995 to June. 1995.
- . **Part time demonstrator**, Faculty of Education, Damanhour branch, Alex University. Physics & Chemistry Department, teaching practical physics course for under graduates (1st, 2nd, and 4th year of Faculty of Education), from Sep. 1994 to Jun.1995.

Research Experience

- . Biotechnological Studies on biodegradation of pesticides using bacteria
- . Environmental chemistry and biology
- . Biological and physicochemical denitrification for ground water in Lower Egypt.

Practical Experience

- Highly experienced in ground water (purification, analyses, treatment,... etc)
- Highly experienced in water type's analyses and treatment (either resources or purposes): rain water, surface water, drinking water, waste water; brackish water, water types in general
- Good experienced in most of all wastewater types treatment techniques.
- Good experienced in wastewater reuse in several fields (agriculture, industry, ... etc.)
- Good experienced in water purification plants
- Good experienced in food analyses; determination of parameters of food: fat, proteins, .etc.
- Good experienced in working with sensitive equipments HPLC, GC, TOC....
- Environmental consultant in solving industrial environmental pollution problems
- Most of air pollution measurements (noise, heat stress, emissions, PM₁₀, gases, stack emissions, illumination....)
- Good experienced in technical administration of central labs

Languages

- . Arabic (native language)
- . English (very good command written and speaking)
- . German (good command)

-Language Courses

- . Listening & Speaking course in British Council in Alexandria- Egypt, 1998.
- . German for beginners at the Institute of Graduate Studies & Research, University of Alex. From April, 2003 to March, 2004.
- . TOEFL local course, 2006, very good grade, Community Development Center, Alex University

Computer Skills

- . December 28th, 1998 to January 31st, 1999. Training course with very good grade in:

Introduction to SAS. Mubarak City for Scientific Research and Technology Applications, Alexandria, Egypt.

- . DOS, Windows 95, 97, 2000, XP, Vista, Win Word, Access, Reflex, Power Point, Excel, Internet. Preparation for ICDL

Training courses attended

- . From April, 2008 to June, 2008, High Institute of Public Health, Alexandria University, Environmental Chemistry and Biology Department, Climatic changes and their effects on women and children, A study on the effects especially public health effects of climatic changes on both women and children, from April to June, 2008,
- . International Day for Environment. High Institute of Public Health, Alexandria University. Attendance a workshop on climatic changes on the environment, April 4th, 2008
- . Faculty of Science, Alexandria University, successfully completed a training program in: Diagnostic Medical Microbiology, from November 25th to 27th, 2007.
- . Scientific Mubarak City, Alexandria, Egypt Training course on: Principles for quality management system for testing and calibration laboratories according to **ISO 17025**, September 3rd to 27th, 2005.
- . High Institute of Public Health, Alexandria University, Egypt. Environmental Chemistry and Biology Department Physicochemical denitrification for ground water in Lower Egypt, Studying for geographical and environmental circumstances for the ground water in Lower Egypt, from 2005 to 2007.
- . Institute of High Graduate Studies & Research, Alexandria University, Egypt. Biotechnology Science (Biotechnology Department), Biodegradation of pesticides, Biotechnological Studies on using bacteria from brackish water to biodegrade chlorinated hydrocarbon pesticides, from 1999 to 2000,
- . Polymerase Chain Reaction (PCR) in Mubarak City for Scientific Research and Technology

Applications, Alexandria, Egypt, 1999.

. Management of Recombinant DNA. Mubarak City for Scientific Research and Technology Applications, Alexandria, Egypt. 1999.

. March 2nd to 6th, 1997. Complete course for 45 hrs in Principles of Genetic Engineering. Complete course for 45 hrs. Institute of High Graduate Studies and Researches, Alexandria University. Egypt.

Projects

Co PI for the funded project by Arab Science and Technology Foundation (Emirates) Titled in: **Biological and physio- chemical denitrification of groundwater in Lower Egypt, 2006-2007.**

Thesis Supervision

One of the supervisors of:

- **M. Sc. Thesis: Biochemistry department, Faculty of Science, Alexandria University. From 9/8/2011 Discussed 24/9/2014.**
Titled in: Evaluation of treated surface water by using marine and terrestrial plants on animal and plant metabolism.
- **(Internal supervisor) M. Sc. Thesis: Horticulture Department, Faculty of Agriculture, Damanhour University. Feb., 2014. (In progress)**
Titled in: Reducing cracking and enhancing coloration in wonderful Pomegranate.
- **M. Sc. Thesis: Environmental Studies & Research Institute (ESRI), Sadat City University. Mai 17th, 2014. (In progress)**
Titled in: Role of various agricultural waste products in organic pollutants removal from different contaminated water resources.
- **M. Sc. Thesis: Vegetables Crops Department, Faculty of Agriculture, Alexandria University. August, 2015. (In progress)**
Titled in: Effects of spacing, Humic acid and Boron on growth, seed production and quality of Broad Bean (*Vicia faba* L. var. *major*).

Published papers

A) Conference Proceedings:

. El-Bestawy, E.; Mansy, A.H.; Attia, A.M. & **Zahran, H.F.** **Inhibitory Effect and Biodegradation of Chlorinated Hydrocarbons by Selected Fresh Water Bacteria. Proceeding of Ain Shams University First Conference on Biotechnology, Cairo, December 22nd to 24th, 2001.**

. **Hoda Farouk Zahran.** Abstract on: **Wastewater reuse and agriculture (Review article).** **Proceeding of Water & Agriculture Conference. The Organizing Committee of the 5th Congress of Scientific Research outlook in the Arab world, Fez-Morocco, October 25th to 30th, 2008.**

. **Hoda Farouk Zahran.** Abstract on: **Usage of aquatic plants in wastewater treatment (Review article).** **Proceeding of 1st International Forum for Water, Damnhour branch, Alex University, May 24th - 25th, 2010.**

. **Hoda F. Zahran.** Abstract on: **Groundwater in Nile Basin Countries. Proceeding of Geology of the Nile Basin Countries Conference. March 20th -22nd, 2012. Bibliotheca Alexandrina, Alexandria.**

. Mohamed Hussein, Amer A. Amer, **Hoda F. Zahran**, and Safaa M. Ali. Abstract on: **Oil Spill Cleanup by Biosorbent using Agriculture Waste. Proceeding of Geology of the Nile Basin Countries Conference. March 20th -22nd, 2012. Bibliotheca Alexandrina, Alexandria, Egypt.**

. Hassan A.H. Ibrahim, Mohammed Youssef and **Hoda F. Zahran.** Abstract on: **Biodegradation of sodium lauryl sulfate (SLS) by bacterial consortium isolated from coastline of Alexandria. Proceeding of Geology of the Nile Basin Countries Conference. March 20th -22nd, 2012. Bibliotheca Alexandrina, Alexandria, Egypt.**

. Mohamed El. Sayed, Doaa Ahmed Ghareeb, **Hoda Farouk Zahran**, Marwa Fargon Hassan Abstract on: **Using of terrestrial plants in reducing of organic and inorganic pollutants of surface water streams. Proceeding of The First International Water Biotech Conference. October 9th -11th, 2012. National Research Center, Cairo, Egypt.**

. Mohamed Hamed Elsheikh, Sanaa Soliman Kabil, **Hoda Farouk Zahran**, Mohamed El- Shahat Ebid. Abstract on: **Effect of irrigation with agricultural drainage water on growth, elements content and enzymatic activity of olive cultivars` seedling. Proceeding of The First International WaterBiotech Conference. October 9th -11th, 2012. National Research Center, Cairo, Egypt.**

. Mohamed El. Sayed, Doaa Ahmed Ghareeb, **Hoda Farouk Zahran**, Marwa Fargon Hassan Abstract on: **Removal Efficiency of Terrestrial & Marine Plants for Trihalomethans formed in Drinking Water Decantation Process. Proceeding of 10th International Conference On "Future Horizon For Sustainable Environmental Development In Arab Countries and Facing the Challenges". December 21st -24th, 2013. ICSCET, EEAA and EASED, Sharm El Sheikh, Egypt.**

. **Hoda Farouk Zahran.** Abstract on: **The possibility of recycling and treatment of solid and liquid wastes for reuse in agriculture. Proceeding of 10th International Conference On "Future Horizon For**

Sustainable Environmental Development In Arab Countries and Facing the Challenges". December 21st -24th, **2013**. ICSCEIT, EEAA and EASED, Sharm El Sheikh, Egypt.

. Nashwa H. Mohamed, **Hoda F. Zahran**. Abstract on: Evaluation of growth and some properties for some tree species irrigated with treated sewage water. Proceeding of 3rd International Conference for Forum for Arab Scientist (FAS) On "Scientific Research & Development in Arab Countries and Facing the Challenges". April 5th -8th, **2014**. FAS, ICSCEIT, EEAA, Sharm El Sheikh, Egypt.

. Marwa Farouk Elkady, Hassan Shokry Hassan, **Hoda Farouk Zahran**. Abstract on: Evaluation of synthesized zinc oxide nanopowder for nitrate decontamination from polluted water. Proceeding of 3rd International Conference for Forum for Arab Scientist (FAS) On "Scientific Research & Development in Arab Countries and Facing the Challenges". April 5th -8th, **2014**. FAS, ICSCEIT, EEAA, Sharm El Sheikh, Egypt.

. Marwa Farouk Elkady, Hassan Shokry Hassan, **Hoda Farouk Zahran**. Abstract on: Utilization of Nano- zinc oxide for nitrate sorption from aqueous solutions. Abstract book of 2nd International Conference on Biotechnology and Environmental Safety. May 6th - 8th, **2014**. National Research Center, Cairo, Egypt.

. Mohamed El. Sayed, Doaa Ahmed Ghareeb, **Hoda Farouk Zahran**, Marwa Fargon Hassan. Abstract on: Role of terrestrial plants used in surface water streams treatment on main animal organ functions. Proceeding of 9th International Conference for Environmental Sciences On "Natural Resources and Sustainable Development. June 25th, **2014**. Faculty of Science, Zagazig University, Egypt.

. **Hoda Farouk Ahmed Zahran**. Abstract on: Effect of bedrock chemical composition on groundwater (Review). Abstracts book of The 15th Arab International Conference of Materials Science "Materials for Water Applications". December 2nd- 4th, **2014**. The Arab Society of Materials Science. Under the Auspices of Alexandria University.

. **Hoda Farouk Ahmed Zahran**. Abstract on: Groundwater and agriculture in Africa (Review). Proceeding of 11th International Conference On "Future Horizon For Sustainable Environmental Development In Arab Countries and Facing the Challenges". December 20th- 23rd, **2014**. ICSCEIT, EEAA and EASED, Haughada, Egypt.

. **Hoda Farouk Zahran**. Abstract on: Watershed areas and agriculture (Review). Proceeding of 4th International Conference for Forum for Arab Scientist (FAS) on "Scientific Research & Development in Arab Countries and Facing the Challenges". April 14th- 17th, **2015**. FAS, ICSCEIT, EEAA, Sharm El Sheikh, Egypt.

. **Hoda Farouk Zahra**. Abstract on: Climatic change impacts on Egyptian water resources used for agricultural sector, an overview. Abstract book of Symposium on Egypt's water resources development and preservation of pollution. September 6th – 7th, **2015**. National Institute of Oceanography and Fisheries (NIOF), Alexandria, Egypt.

. Mahmoud Nasr and **Hoda Farouk Zahra**. Performance Evaluation of Agricultural Drainage Water Statistically – A case study. Proceeding of 7th International Conference on Information and

B) Journals

- Hassan A.H. Ibrahim, **Hoda F. Zahran** and Mohammed Youssef. **2012**. Microbial degradation of sodium lauryl sulfate (SLS) using bacterial consortium isolated from coastline of Alexandria city. Bulletin of High Institute of Public Health. 42(2): 185- 207. **ISSN: 1110-0036**.
- Mohamed Hussein, Amer A. Amer, **Hoda F. Zahran**, Safaa M. Ali, Mohamed Elgohary and Mahmoud Nasr. **2013**. Agricultural waste as a biosorbent for oil spills. International Journal of Development. 2(1): 127-135. **ISSN: 2314-5536**.
- Mohamed H. ElSheikh, Sanaa S. Kabil, **Hoda F. Zahran** and Ahmed S. Elsabagh. **2014**. Vegetative Growth, Leaf Mineral Contents and Enzymatic Activity of Two Olive Cultivars in Response to Irrigation with Agricultural Drainage Water. World Applied Sciences Journal. 30 (4): 413-419. (**Scopus**)
- Mohamed El. Sayed, Doaa Ahmed Ghareeb, **Hoda Farouk Zahran** and Marwa Fargon Hassan. **2014**. Efficiency of some terrestrial and marine plants for removal of trihalomethanes formed in drinking water decantation process. International Journal of Development. 3(2):111-117. **ISSN: 2314-5536**
- Mahmoud Nasr and **Hoda Farouk Zahra**. **2014**. Using of pH as a tool to predict salinity of groundwater for irrigation purpose using artificial neural network. Egyptian Journal of Aquatic Research. 40 (2): 111–115. (**Scopus**)
- Nashwa H. Mohamed and **Hoda F. Zahran**. **2014**. Evaluation of growth and some properties for some tree species irrigated with treated sewage water. International Journal of Development. 3(1): 67-78. **ISSN: 2314-5536**.
- Mohamed El. Sayed, Doaa Ahmed Ghareeb, **Hoda Farouk Zahran** and Marwa Fargon Hassan. **2014**. Role of terrestrial plants used in surface water streams treatment on main animal organ functions. Bulletin of the Faculty of Science, Zagazig University. Special Publication for 9th International Conference for Environmental Sciences on "Natural Resources and Sustainable Development. 551- 567. **ISSN: 1110- 1555**.
- **Hoda Farouk Ahmed Zahran**. **2014**. Effect of bedrock chemical composition on groundwater (Review). Proceedings of the 15th Arab International Conference of Materials Science "Materials for Water Applications". The Arab Society of Materials Science. Under the Auspices of Alexandria University. pp: 5-13.
- Mahmoud Nasr, **Hoda Farouk Zahran**. **2015**. Assessment of agricultural drainage water quality for safe reuse in irrigation applications-a case study in Borg El-Arab, Alexandria.

Journal of Coastal Life Medicine. 3(3): 241-244. ISSN: 2309- 6152 (Online) CODEN: JCLMC4.

- Marwa Farouk Elkady, Hassan Shokry Hassan, **Hoda Farouk Zahran**. 2015. Fertilized Nitrate Removal from Polluted Water Using Nano-Rod Zinc Oxide for Reusing In Plants Irrigation. European Journal of Scientific Research. 129(3): 274- 287. (Scopus)
- **Hoda Farouk Zahran**. Abstract on: Usage of seawater in agriculture: An overview. 3rd International Conference On "Oceanography". June 22nd -24th, 2015. Philadelphia, USA. J Marine Sci Res Dev 2015, 5:2 <http://dx.doi.org/10.4172/2155-9910.S1.010>

Essays

إطلاقات على التنوع البيولوجي- الإصدار الخامس بالملتقى البيئي الخامس ويوم الأرض العالمي- ٢٠١٠ (In Arabic).

Conferences

A) Attended Conferences

- *Water & Agriculture Conference*. The Organizing Committee of the 5th Congress of Scientific Research outlook in the Arab world, October 25th -30th, 2008. Fez-Morocco (Poster).
- 3rd International Conference on *Health, Environment and development*. High Institute of Public Health, University of Alexandria, Alexandria, Egypt November 12th -13th, 2008. (Attendance and Oral presentation)
- *Sustainable Development Indicators Conference*. Bibliotheca Alexandrina. December 7th -8th, 2009. (Attendance).
- Alexandria International *Biodiversity Symposium*, Faculty of Science and Bibliotheca Alexandrina, November 9th -10th, 2010. (Attendance)
- TWAS-ARO 7th Annual Meeting-Water, *Nuclear and Renewable Energy: Challenges versus Opportunities*. Bibliotheca Alexandrina, Alexandria, Egypt which was held from December 28th - 29th, 2011. (Attendance).
- *Geology of the Nile Basin Countries Conference*. March 20th -22nd, 2012. Bibliotheca Alexandrina, Alexandria, Egypt. (Attendance with three published abstracts including two oral presentations)

- BioVision Alexandria. *New Life Science: Linking Science to Society*. April 22nd -25th, **2012**. Bibliotheca Alexandrina, Alex, Egypt. (**Attendance**)
- The First International *WaterBiotech Conference*. October 9th -11th, **2012**. National Research Center, Cairo, Egypt. (**Attendance with two published : poster and oral presentation**)
- 10th International Conference of Egyptian Soil Science Society (ESSS), 4th International Conference of on- *Farm Irrigation and Agroclimatology*. November 5th -8th, **2012**, America, Alexandria, Egypt (Towards Optimal Utilization of Soil and Water Technologies). (**Attendance**)
- 4th International Conference on "*Challenges Facing Health*", High Institute of Public Health, Bibliotheca Alexandrina, Alexandria, Egypt November 7th -8th, **2012**. (**Attendance**)
- Annual conference for Instruction department, Faculty of Engineering, Pharos University, Alexandria, Egypt. December 24th, **2012**- *Towards Better Environmental Engineering- (Teaching a lecture titled in: Relation between Environmental Laws and Civil Engineering)*.
- International Conference on "*Global Climate Change, Biodiversity and Sustainability: Challenges and Opportunities*", Arab Academy for Science, Technology& Maritime Transport, Abu Qir, Alexandria, Egypt. April 15th -18th, **2013**. (**Attendance**)
- The First International Conference "*Food and Agriculture: New Approaches*", National Research Centre, Cairo, Egypt December 2nd – 4th, **2013**. (**Attendance**).
- 10th International Conference on "*Future Horizon for Sustainable Environmental Development In Arab Countries and Facing the Challenges*". ICSCEIT, EEAA and EASED, Sharm El Sheikh, Egypt, December 21st -24th, **2013**. (**Attendance with two oral presentations**)
- 3rd International Conference for Forum for Arab Scientist (FAS) on "*Scientific Research & Development in Arab Countries and Facing the Challenges*". FAS, ICSCEIT, EEAA, Sharm El Sheikh, Egypt. April 5th -8th, 2014. (**Attendance with two oral presentations**)

- 2nd International Conference on *Biotechnology and Environmental Safety*. May 6th- 8th, 2014. National Research Center, Cairo, Egypt (**Poster**).
- 9th International Conference for *Environmental Sciences on "Natural Resources and Sustainable Development"*. June 25th, 2014. Faculty of Science, Zagazig University, Egypt (**Poster**).
- The International Conference - *Towards Sustainable Environment* August 11th- 12th, 2014. Friends of Environment Association and Graduate Studies Research Institute, Alexandria University, Egypt (**Attendance**).
- The 15th Arab International Conference of *Materials Science "Materials for Water Applications"*. December 2nd- 4th, 2014. The Arab Society of Materials Science. Under the Auspices of Alexandria University (**Attendance with oral presentation**).
- The International Conference *"Agriculture and Environment for Sustainable Development"*. May 25th- 27th, 2015. Agricultural and Biological Research Division- National Research Center, Cairo, Egypt (**Attendance**).
- 3rd International Conference on "Oceanography". June 22nd -24th, 2015. **Philadelphia, USA.** (**Oral presentation through video lecture**).
- 10th International *Environmental Sciences* Conference for on *"Renewable Energy and Sustainable Development to Preserve the Environments"*. July 26th – 27th, **2015**. Faculty of Science, Zagazig University, Egypt (**Attendance**).
- 7th International Conference on *Information and Communication Technologies in Agriculture, Food and Environment* (HAICTA 2015) September 17th – 20th, **2015, Kavala, Greece.** (**Poster**).

B) Conferences organization membership

- The organization committee of the 3rd International Conference for FAS On “Scientific Research & Development in Arab Countries and Facing the Challenges“, April 5th -8th, 2014, Sharm El Sheikh, Egypt.

- The organization committee of the 11th International Conference On “Future Horizon for Sustainable Environmental Development in Arab Countries and Facing the Challenges“, December 20th -23rd, 2014, Haurghada, Egypt.
- The Technical Program Committee of International Conference on Science, Management and Engineering (IRCSME 2015), January 28th -29th, 2015, Dubai, UAE.

Reviewers audit

- One of the **reviewers** for researches published in **International Conference on Science, Management and Engineering (IRCSME 2015)**. January 28th -29th, 2015, Dubai, UAE.
- One of the **reviewer members** for researches published in **Archives of Agronomy and Soil Science Journal, Taylor & Francis Publisher**. (Reviewing for four researches till now).
- **One of the Executive Editorial Board Members of Journal of Coastal Life Medicine (JCLM)**. <http://www.jclmm.com/board.htm>
- **One of the Editorial Board Members of Journal of Hydraulic Engineering, David Publishing Company**.
- Reviewing for one research published in **Journal of Phylogenetics & Evolutionary Biology**. ISSN: 2329-9002. USA.
- Reviewing for one research published in **Journal Environmental Monitoring and Assessment, Springer Publisher**.
- Reviewing for one research published in **Merit Research Journal of Medicine and Medical Sciences (MRJMMS)**. (ISSN: 2354-323X) (ISI Impact Factor = 0.678) (GIF 2013: 0.615) (GIF 2014: 0.786)

Workshops & Training Courses

A) Attendance

- April 26th, 2009, Egyptian Environmental Affairs Agency, Alexandria, Attending a workshop on: **The second version of the guide for the basics of environmental impact assessment for the projects**, (Egyptian Environmental Affairs Agency, Ministry of Environmental Affairs).
- May 26th -27th, 2009, Scientific Mubarak City, Alexandria, Egypt. Attending a workshop on: **The elemental analysis using the ICP instrument and its applications**
- June 17th, 2009, Department of Soil and Water Sciences, Faculty of Agriculture, Alex University, Egypt. Attending the **World day to combat desertification 2009**.
- July 6th -7th, 2009, Scientific Mubarak City, Alexandria, Egypt, **Teaching the workshop on: Industrial wastewater and environmental laws- Your Factory and the environment training program. (3 lectures, 1.5 hrs each)**
 - **Identification of the environmental laws**
 - **Required analyzed Parameters**
 - **Sampling and preservation of wastewater samples before analyses**
- July 25th -28th, 2009, Faculty of Specific Education, Alex University, Egypt, Cooperated with Cahrite` & Hohenheim Universities, Germany, and Johns Hopkins University-USA, **Participation in: The 1st International Alexandria workshop " Woman and child health: Food and environmental pollution"**
- August 11th - 12th, 2009, Scientific Mubarak City, Alexandria, Egypt and Egyptian AIDS Society, New Borg El-Arab City, Alexandria, Egypt, **Attending a workshop on: مكافحة مرض الايدز وفيرس نقص المناعة المكتسبة**
- August 20th, 2009, High Institute of Public Health, Alexandria University, Egypt, **Attending a symposium on: Integrated environmental hospital waste management day.**

- October 11th -13th, 2009, Agricultural Services Center, Faculty of Agriculture- Saba Basha, Alexandria University, Egypt and Mubarak City for Scientific Research and Technology Applications, Alexandria, Egypt . **Attending a training course on: Modern Ways in Quality Management.**
- October 21st -22nd, 2009, Mubarak City for Scientific Research and Technology Applications, Alexandria, Egypt. **Attending a workshop on: Middle East - Microwave Assist Technology (MAT) in Materials Processing.**
- November 18th -19th, 2009, Mubarak City for Scientific Research and Technology Applications and Ministry of Trade & Industry (KAIZEN), Alexandria, Egypt. **Attending a training course on: Quality Assurance.**
- Feb. 6th -12th, 2010, Egyptian Syndicate of Scientific Professions. **Attending a training course on: Modern techniques in desalination.**
- March 1st -3rd, 2010, Mubarak City for Scientific Research and Technology Applications, Alexandria, Egypt. **Attending a workshop on: How to write a proposal Part I.**
- March 20th – 21st, 2010, Arab Environment Association, **Participation with good efforts in 4th Egyptian World Water Festival.**
- May 24th -25th, 2010, Damnhour branch, Alex University, **Attending the 1st International Forum for Water and teaching 2 lectures:**
 - **Usage of aquatic plants in wastewater treatment**
 - **Biodegradation techniques for organic compounds in different water bodies**
- July 14th, 2010, Damnhour branch, Alex University, **Attending a workshop on: Recommendations on International Forum for Water.**
- August 7th, 2010, Faculty of Science, Alex University. **Attending a workshop on: Water Analyses.**

- August 21st, 2010, Faculty of Science, Alex University. **Attending a workshop on: Chemical Analyses in Pharmaceuticals Industry.**
- September 4th, 2010, Faculty of Science, Alex University. **Attending a workshop on: Water Treatment.**
- September 25th, 2010, Faculty of Science, Alex University. **Attending a workshop on: Gas Chromatography – Mass Spectra GC- MS.**
- October 30th, 2010, Faculty of Science, Alex University. **Attending a workshop on: Petrochemical Industries.**
- December 25th, 2010, Damnhour University, Faculty of Science, **Attending a workshop on: Desalination and Renewable Energy.**
Teaching one lecture: Water desalination technology (process and troubleshooting)
- June 1st- 4th, 2011, Faculty of Agriculture, Saba Basha, Alexandria University, **Successfully completed a 30- hour Occupational Safety and Health Training Course in Construction Industry Safety and Health Administration (OSHA) according to OSHA- USA standard.**
- July 11th - 13th, 2011, Faculty of Science, Alex University. **Have been successfully completed a workshop on: Water Desalination, Treatment and Analysis.**
- July 22nd – 24th; 29th- 30th, 2011, Faculty of Science, Alex University. **Have been successfully completed a training course on Laboratory Quality Management System (QMS) ISO 17025:2005- Internal Auditor Training Course.**
- Feb. 7th, 2012, Faculty of Science, Alex University. **Have been successfully completed a workshop on: Atomic Absorption Spectrophotometry (AAS) and UV-Vis Spectrophotometry in Water Analysis.**
- April 23rd – 26th, 2012, Faculty of Agriculture, Saba Basha, Alexandria University, **Successfully completed a 30- hour Occupational Safety and Health Training**

Course in General Industry Safety and Health Administration (OSHA) according to OSHA- USA standard.

- April 28th, 2012, Bibliotheca Alexandrina, Alex, Egypt. **Attending the Forum of :**
ملتقى اجعل السلامة اسلوب حياتك – ضمن فاعليات يوم السلامة العالمي لعام ٢٠١٢
Organized by Arab Health & Safety Experts and Professionals.
- 2nd Mai, 2012. Faculty of Science, Alexandria University, **Attending the 6th Environmental Forum and World Earth Day 2012, titled in: Integrated Management of Solid Waste.**
- August 15th, 2012, Faculty of Science, Alex University. **Have been attended a workshop on: Petrochemical Industry.**
- November 6th, 2012, City of Scientific Research and Technological Applications, Alexandria, Egypt. **Teaching the workshop on: Wastewater reuse in Agriculture**, Held parallel with "The Annual International Conference" of the High Institute of Public Health-Alexandria University "Challenges Facing Health". November 7th -8th, 2012. City of Scientific Research and Technological Applications, Alexandria, Egypt.
Teaching a lecture entitled: Egyptian environmental legislations for reuse of wastewater in agriculture.
- November 4th -8th, 2012, Egyptian Syndicate of Scientific Professions. **Attending a training course on: Water Treatment including:**
 - Fresh water resources
 - Water pretreatment
 - Filtration of water
 - Demineralized water
 - Reverse osmosis
 - Cooling towers and boilers treatment
- December 9th -12th, 2012, Egyptian Syndicate of Scientific Professions. **Attending a training course on: Corrosion Inhibition in Industrial Fields**
- Feb. 24th - 25th, 2013, Faculty of Science, Alex University. **Attending a workshop on: Water Analysis**

- April 9th, 2013. Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt. **Attending a workshop on: Knowledge and Culture of ISO.**
- November 23rd, 2013. Faculty of Science, Alex University. **Have successfully completed a training course on: The uses of Electron Microscopy.**
- December 14th, 2013, IGSR Biotechnology Society, Institute of Graduate Studies and Researches, Alexandria University, Egypt, **Attending a symposium on: Environmental Biotechnology.**
- January 18th, 2014. Faculty of Science, Alex University. **Have successfully completed a training course on: The use of Electron Microscopy in Nano Technology.**
- March 18th, 2014. Agricultural Environmental Sustainable Developing Association. Faculty of Agriculture, Alex University. **Attending a symposium on: Quinoa as a new promising plant in Egypt.**
- November 16th – 18th, 2014. Institute of High Studies and Researches, Alex University and The Arab International Federation for Arbitration. **Attending training in: Arbitration in Environmental Disputes.** (12 hours for training).
- December 1st, 2014. Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt. **Attending a workshop on: Data analysis and modeling using CoStat statistical software.**
- Feb. 10th, 2015. Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt. **Attending the 1st Mycotoxins workshop on: Modern detection of Mycotoxins in Food and Feed.**
- April 20th, 2015. Genetic Engineering and Biotechnology Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt. **Attending a workshop on: Nanotechnology and its biological applications.**

- May 8th – 11th, 2015, Alex, Egypt. Environmental Protection Agency, USA and Bibliotheca Alexandrina. **Successful competition of: The Risk Assessment Training and experience (RATE) Program- The 1st Regional Training Course on Risk Assessment.**
- May 11th, 2015. Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt. **Attending a workshop on: Moringa, its Food and Medical Importance.**
- June 9th, 2015. High Institute of Public Health, Alexandria University, Alexandria, Egypt. **Attending a workshop on: Food Safety & Nutrition Interrelations.**
- June 14th, 2015. National Research Center-, Cairo, Egypt- STDF funded project of: The expansion of planting of El- Nokl trees in Sinai and hub of the Suez Canal. **Attending a workshop on: Planting El- Nokl trees in Sinai, and hub of the Suez Canal and down to self-sufficiency.**
- June 8th – 9th and July 26th – 30th, 2015. National Institute of Oceanography & Fisheries and City of Scientific Researches & Technological applications, Alexandria, Egypt- Under the auspices of Council for Research Centers and Institutes (CRCL) – Ministry of Scientific Research. **Participation and Contribution on Capacity Building Workshop.**
- September 6th – 7th, 2015. National Institute of Oceanography and Fisheries (NIOF), Alexandria, Egypt. **Attending a Symposium on: Egypt's water resources development and preservation of pollution. Teaching a lecture entitled: Climatic change impacts on Egyptian water resources used for agricultural sector, an overview.**

Abroad Scientific Missions

- **August 28th to September 16th, 2014, Successfully complete the study in International Training Workshop on Soil & Water Conservation and Dry- Land Farming in Developing Countries, Yangling Demonstration Zone, International Exchange Center, Shaanxi, Ministry of Science and Technology, People`s Republic of China**

B) Organization & Coordination

- Owner for the idea of the training program of: **Your factory and the environment, 2009.** Mubarak City for Scientific Research and Technology Applications, Alexandria, Egypt.
- July 6th -7th, 2009, Organization and coordination of a workshop on:
Industrial wastewater and environmental laws- Your Factory and the environment training program. Mubarak City for Scientific Research and Technology Applications, Alexandria, Egypt.
- March 14th - 16th, 2010. Active contribution and organizing a workshop:
Advances in Molecular Biology. Mubarak City for Scientific Research and Technology Applications, Alexandria, Egypt and cooperation with Sigma scientific services Co. and Fermentas life science Co.
- August 4th -5th, 2010, Active contribution and organizing a workshop on:
Quality and Environmental Management. Mubarak City for Scientific Research and Technology Applications, Alexandria, Egypt.
- December 25th, 2010, Faculty of Science, Damnhour University, Participation with Committee of Development and International Cooperation “**CDIC**” in organizing of a workshop on: **Desalination and Renewable Energy.**
- June 1st - 4th, 2011, Faculty of Agriculture, Saba Basha, Alexandria University, **Participation and organization in a training course in Occupational Safety and Health Administration (OSHA) 30- hours Construction Industry Safety& Health Training according to OSHA- USA standard- Carrying acknowledge card stamped from OSHA authorized trainer construction standard I.D#: -0121801 for completing this course.**
- April 23rd – 26th, 2012, Faculty of Agriculture, Saba Basha, Alexandria University, **Participation and organization in a training course in Occupational Safety and Health Administration (OSHA) 30- hours General Industry Safety& Health Training according to OSHA- USA standard-**

- June 25th – 27th, 2012, Active contribution and organizing a workshop on:
Detection of Pathogenic Bacteria in Water and Food. Genetic Engineering& Biotechnology Research Institute City of Scientific Researches and Technological Applications, Alexandria, Egypt.
- November 6th, 2012, Owner for the idea and organizing of a workshop on:
Wastewater Reuse in Agriculture, Held parallel with "The Annual International Conference" of the High Institute of Public Health-Alexandria University "Challenges Facing Health". November 7th - 8th, 2012. City of Scientific Researches and Technological Applications, Alexandria, Egypt.
- Feb. 3rd, 2013. Active contribution and organizing a workshop on: **Bio- Fuel Production.** Genetic Engineering& Biotechnology Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt in cooperation with YONSEI University, South Korea.
- April 9th, 2013. Active contribution and organizing a workshop on: **Knowledge and Culture of ISO.** Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt.
- April 30th, 2014. Successfully organized a symposium on: **SurPASSElectrokinetic Analyzer.** In a cooperation with Atef Habib Risk Co. for Industrial Supplies @ National Research Center, Cairo, Egypt.
- December 1st, 2014. Active contribution and organizing a workshop on: **Data analysis and modeling using CoStat statistical software.** Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt.
- May 11th, 2015. Active contribution and organizing a workshop on: **Moringa, its Food and Medical Importance.** Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt.

Activities

- **Internal Auditor for Laboratory Quality Management System (QMS) ISO 17025:2005**
- **Carrying acknowledge card stamped from OSHA authorized trainer construction standard I.D#: -0121801 for completing the course of Construction Industry Safety and Health Administration (OSHA) according to OSHA- USA standard – 30 hours.**
- **Carrying certified card stamped from Arab Qosh authorized trainer construction standard I.D#: GL- 1001 for completing course of OSHA General Industry Safety& Health 30 Hours.**
- **Documented Arabic Arbitrator in The Arab International Federation for Arbitration.**
محكم معتمد

Labs` setup and organization

- Good participation in setting up (not my idea) of **an Air pollution lab**, with others` participation, Environmental Research and Natural Resources Institute, Scientific Mubarak City, Alexandria.

Social activities

- Member of Faculty of Science Alumni Association Alexandria University, Egypt.
- Member of Arab Environmental Association, Alexandria, Egypt.
- Member of Water Technology Association, Alexandria, Egypt
- Member of World Association of Soil and Water Conservation (WASWAC), China.
- Member of Agricultural and Environmental Sciences Development Association, Alexandria, Egypt.
- Member of the Arab Society of Material Science, Alexandria, Egypt

Consultation

Solving environmental problems causing pollution coming from some industrial companies - as a consultant