



HODA FAROUK AHMED ZAHRAH

ASSOCIATED PROFESSOR

PERSONAL INFORMATION	Full Name: Affiliations: Address: Mobile No.: E-mail: Important links:	Hoda Farouk Ahmed Zahran Associated Professor – Environmental Studies Environmental and Natural Materials Research Institute (ENMRI) - hfzahran@gmail.com
EDUCATION	<ul style="list-style-type: none"> - DrPH. (Doctor in Public Health Sciences) majoring Environmental Chemistry and Biology, Environmental Health Department. High Institute of Public Health, Alexandria University, 2009. - D.PH. (Diploma in Public Health Sciences) majoring Environmental Chemistry and Biology, Environmental Health Department. High Institute of Public Health, University of Alexandria. Egypt. 2004, with grade "Very Good". - M.Sc. in Biotechnology Science (Biotechnology Department), Institute of High Graduate Studies & Research, Alexandria University. 2001. - B.Sc. in Physics& Chemistry, Faculty of Science, Alexandria University, 1994. 	
ACTIVITIES	<p>Scientific Activities</p> <p>Scientific Projects</p> <p>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.</p> <p>Conferences</p>	

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 **Water Biotech Conference**. October 9th -11th, 2012. National Research Center, Cairo, Egypt. (**Attendance** with **two published** abstracts including: **poster and oral presentation**)

. 10th International Conference of Egyptian Soil Science Society (ESSS), 4th International Conference of on- **Farm Irrigation and Agro climatology**. November 5th -8th, 2012, Ameria, 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**",

	<p>National Research Centre, Cairo, Egypt. December 2nd – 4th, 2013. (Attendance).</p> <p>. 10th International Conference on "<i>Future Horizon for Sustainable Environmental Development In Arab Countries and Facing the Challenges</i>". ICSCEIT, EEAA and EASED, Sharm El Sheikh, Egypt, December 21st -24th, 2013. (Attendance with one oral presentation)</p> <p>. 3rd International Conference for Forum for Arab Scientist (FAS) on "<i>Scientific Research & Development in Arab Countries and Facing the Challenges</i>". FAS, ICSCEIT, EEAA, Sharm El Sheikh, Egypt. April 5th -8th, 2014. (Participation).</p> <p>. 2nd International Conference on <i>Biotechnology and Environmental Safety</i>. May 6th- 8th, 2014. National Research Center, Cairo, Egypt (Participation).</p> <p>. 9th International Conference for <i>Environmental Sciences on "Natural Resources and Sustainable Development"</i>. June 25th, 2014. Faculty of Science, Zagazig University, Egypt (Poster).</p> <p>.The International Conference - <i>Towards Sustainable Environment</i> August 11th- 12th, 2014. Friends of Environment Association and Graduate Studies Research Institute, Alexandria University, Egypt (Attendance).</p>
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- . 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 (**Participant**).

- . 7th International Conference on ***Information and Communication Technologies in Agriculture, Food and Environment*** (HAICTA 2015) September 17th – 20th, 2015, **Kavala, Greece. (Poster)**.

- . ***Desert Technology 12th International Conference (DT 12)***. November 16th – 19th. 2015. Faculty of Agriculture, Cairo University, Egypt. (**2 Posters**).

- . 1st International Conference on ***Applied Chemistry- ICAC 2015***. November 18th – 19th,

2015, King Abdulaziz University, Jeddah. Saudi Arabia. (Attendance with oral presentation).

. 5th International Conference on *Aquatic Resources (ICAR - 2015) Challenges, Development & Sustainability*. November 29th – 30th, **2015**, National Institute of Oceanography and Fisheries (NIOF), Alexandria, Egypt. (**Attendance with oral presentation**).

. The 8th International Conference of High Institute of Public Health, *Alex Health 2016. Think Globally & Act Locally: Public Health Action in Challenging Times*. October 19th – 20th, **2016**, High Institute of Public Health, Alexandria University, Egypt. (**Poster**).

. The International Conference on *Biotechnology and Environment (ICBE)*. November 1st – 3rd, **2016**, Faculty of Agriculture, Alexandria University, Egypt. (**Attendance with oral Presentation and 2 posters**).

. The 6th International Chemistry Conference- *New Trends in Chemistry (6th ICC)*. November 8th – 10th, **2016**, Department of Chemistry, Faculty of Science, King Saud University. Riyadh. Saudi Arabia. (**Poster**).

. The 16th Arab International Conference of *Materials Science "Materials and Society"*. December 3rd- 5th, 2016. The Arab Society of Materials Science. Under the Auspices of Alexandria University. (**Attendance**).

. The 3rd International Conference on "Biotechnology and Environmental Safety". March 14th – 16th, 2017, National Research Center, Giza, Egypt. **(Poster)**.

. The 1st International Conference of Chemical, Energy and Environmental Engineering. March 19th – 21st, 2017. School of Energy Resources, Environment, Chemical and Petrochemicals Engineering, Egypt- Japan University of Science and Technology (Egypt), Kyoto University and Tokyo Institute of Technology (Japan), Alexandria, Egypt. **(Attendance with oral presentation)**.

. 15th International Symposium of Bio- control and Biotechnology (ISBB 2017). October 17th – 20th, 2017, Faculty of Agriculture, Alexandria University, Egypt, King Mongkut`s Institute of Technology Ladkrabang, Thailand and Harbin Institute of Technology, Harbin, China. Hurghada, Egypt. **(Poster)**.

. 21st Conference of the Egyptian Society of Agricultural Engineering- **New Technology of Agricultural and Biosystems Engineering and Their Applications for Supporting Sustainable Development**- November 25th, 2017, Faculty of Agriculture, Alexandria University, Egypt. **(Attendance with oral presentation)**.

. International Arabic Conference "**Investment for Sustainability**". March 1st - 2nd, 2018.

Faculty of Agriculture, Encyclopedia of Arab - African Economic Integration. Azur Hotel,

Alexandria University, Egypt. **(Attendance with two presentations on: Applications of**

nano technology and agricultural investment & Occupational health and risk

management) .

.The 7th International Chemistry Conference- New trends in Chemistry (7th ICC).
November

12th – 14th, 2018. Department of Chemistry, Faculty of Science, King Saud University.
Riyadh. Saudi Arabia (**Participation as a Delegate**).

. International Symposium on Irrigation and Drainage in Arid and Semi- Arid Zones
(ISID

2018). December 3rd – 6th, **2018**. Kuwait Institute for Scientific Research, Kuwait.
(**Attendance with oral presentation**)

. 4th International Conference on ***Biotechnology and Environmental***

Safety – Technology & Innovative Options for Sustainable Management of Water

Resources in Egypt. February 27th- 28th, 2019. National Research Center, Cairo, Egypt.

(**Attendance with oral presentation**)

. 5th International Conference on ***New Horizons Towards Comprehensive Development***.

April 1st – 4th, 2019. Environmental Studies and Research Institute, University of Sadat
City, Hurghada, Egypt. (**Attendance with oral presentation**)

. 3rd International Conference on ***Biological and Environmental Sciences &***

Applications (ICBESA). February 6th- 8th, 2020. African Academy of Science, Aswan,
Egypt. (**Oral through video presentation**)

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 (5th IRCSME 2015)**, January 28th -29th, 2015, Dubai, UAE.
- . The organizing committee of the 4th International Conference on "**Oceanography & Marine Biology**", July 18th -19th, 2016, Brisbane, Australia.
- . The Technical Program Committee of International Conference on Science, **Management and Engineering (6th IRCSME 2016)**, November 16th -17th, 2016, Dubai, UAE.
- . The Technical Program Committee of International Conference on **Science, Management and Engineering (7th IRCSME 2017)**, April 19th -20th, 2017, Dubai, UAE.

. The Technical Program Committee of International Conference on **Science, Management and Engineering (8th IRCSME 2017)**, July 5th - 6th, 2017, Bangkok, Thailand.

. The Technical Program Committee of International Conference on International Research

Conference on **Science, Management and Engineering (9th IRCSME 2017)**, December 4th - 5th, 2017, Dubai, UAE.

. The Technical Program Committee of International Conference on International Research

Conference on **Science, Management and Engineering (10th IRCSME 2018)**, February 1st - 2nd, 2018, Dubai, UAE

. The Technical Program Committee of International Conference on International Research

Conference on **Science, Management and Engineering (11th IRCSME 2018)**, April, 18th - 19th, 2018, Dubai, UAE

. The Technical Program Committee of the International Conference on **Medicine Sciences**

and Bioengineering (ICMSB2018), June, 22nd - 24th, 2018, Suzhou, China.

. The Technical Program Committee of International Conference on International Research

Conference on **Science, Management and Engineering (12th IRCSME 2018)**, September, 20th – 21st, 2018, Dubai, UAE

Reviewers' audit

. Reviewing for 5 researches for the 2nd International Conference of Chemical, Energy and

Environmental Engineering (ICCEEE 2019)

. Reviewing for 2 researches for the 5th International Conference on Water Resources and

Environment (WRE 2019)

. Acting as a reviewer for **Chemosphere Journal** during 2018, ELSEVIER

. Acting as a reviewer for **Chemosphere Journal** during 2017, ELSEVIER

. 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 five 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).**

- . Reviewing for one research published in **African Journal of Engineering Research (AJER). (ISSN: 2354-2144) (Impact Factor = 3.178) Indexed by: DRJI & SJIF**

- . Reviewing for one research published in **International Journal of Agricultural Policy and Research (IJAPR). (ISSN 2350-1561)(Impact Factor = 0.564) (Index Copernicus Value: 7.32)**

- . Reviewing for one research published in **Journal of Agriculture and Crop Research (JACR). (ISSN: 2384-731x)**

- . Reviewing for one research published in **Physical Science International Journal**
Sciencedomain International Publisher.

- . A reviewer for **the 2nd International Conference on Agriculture and Biological Sciences (ABS2016), Shanghai, China.** Reviewing for 5 researches submitted to **(ABS2016).**

- . Reviewing for one research published in **Net Journal of Agricultural Science (NJAS).** (ISSN: 2315-9766).

- . Reviewing for one research published in **British Journal of Applied Science & Technology**, Sciencedomain International Publisher

- . **One of the Editorial Board Members of Journal of Marine Biology & Oceanography, SciTechnol - International Publisher of Science, Technology and Medicine.**
(<http://www.scitechnol.com/editorialboard-marine-biology-oceanography.php>)

- . Reviewing for one research published in **Chemosphere.** (ISSN: 0045-6535). Indexed in: Elsevier BIOBASE, Scopus.

- . Reviewing for one research published in **Human and Ecological Risk Assessment: An International Journal.** (Print ISSN: 1080-7039 Online ISSN: 1549-7860). Indexed in: ISI, Scopus and Science Citation Index.

- . International Scientific Committee and Editorial Board on Biotechnology and Bioengineering, International Science Index.

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 وفيروس 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. Alexandria, Egypt

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 العالمى لعام 2102
Organized by Arab Health & Safety Experts and Professionals.
- . May 2nd, 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,

	<p>Alexandria, Egypt. Teaching the workshop on: Wastewater reuse in Agriculture,</p> <p>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.</p> <p>Teaching a lecture entitled: Egyptian environmental legislations for reuse of wastewater in agriculture.</p> <p>. November 4th- 8th, 2012, Egyptian Syndicate of Scientific Professions. Attending a training course on: Water Treatment including: - Fresh water resources</p> <ul style="list-style-type: none"> - Water pretreatment - Filtration of water - Demineralized water - Reverse osmosis - Cooling towers and boilers treatment <p>. December 9th-12th, 2012, Egyptian Syndicate of Scientific Professions. Attending a training course on: Corrosion Inhibition in Industrial Fields</p> <p>. Feb. 24th - 25th, 2013, Faculty of Science, Alex University. Attending a workshop on: Water Analysis.</p> <p>. April 9th, 2013. Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt. Attending a workshop on: Knowledge</p>
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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.

. December 25th, 2015. Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt. **Attending a workshop on: Hydroponics, Introduction and Applications by Using Different Types of Water.**

. December 12th, 19th and 26th, 2015. Alexandria Research Center for Adaptation **ARCA**, Alexandria University, Egypt. **Attending a training workshop on: How to Develop a Project Proposal.**

. January 6th, 2016. National Academy of Sciences, Alexandria University and Damanour University, Egypt. **Attending and active involvement in: Awareness Workshop for Conducting Responsible Sciences.**

- . April 5th, 2016. Environment and Natural Materials Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt **Participation in 1st ENMRI International Workshop of Environment: Challenges& Solutions – Bibliotheca Alexandrina.**

- . May 24th, 2016. Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt. **Attending a workshop on: "Nutritional and Therapeutic Uses of Honey Bee Products" – 1. Bee Honey.**

- . September 26th, 2016. Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt. **Attending a workshop on: 1st Food Contaminants Workshop of Food Contaminants: Risk, Detection and Preservation.**

- . November 23rd -24th, 2016, Damnhour University, **Attending the 2nd International Forum for Climate and Water- "Scientific Research and Sustainable Development for Water Resources in Egypt".**

- . February 12th – 16th, 2017, Egyptian Syndicate of Scientific Professions in Alexandria, **Successfully attending a training course on: "Water Treatment, Stream Boilers and Cooling Systems".**

- . February 26th – 27th, 2017, National Institute of Oceanography and Fisheries (NIOF), Alexandria, Egypt, **attending a workshop on: "Desalination of seawater as a national target".**

- . April 19th, 2017. Food Technology Department. Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt. **Attending a workshop on: "Dairy Industry in Egypt: Problems and Challenges"**.

- . July 9th- 10th, 2017. Faculty of Science, Alexandria University. **Attending a workshop on: "Water desalination and treatment using nanotechnology"**.

- . July 18th- 20th, 2017. Alexandria Research Center for Adaptation **ARCA**, Alexandria University, Egypt. **Attending a workshop on: "Basics of Applied Statistics"**.

- . August 8th, 2017. Engineering Group for Advanced Technology and City of Scientific Research and Technological Applications, Alexandria, Egypt. **Attending a workshop on: "Solai X the complete solution"**.

- . August 15th- 17th, 2017. Alexandria Research Center for Adaptation **ARCA**, Alexandria University, Egypt. **Attending a workshop on: "Statistical Inference"**.

- . September 13th- 14th, 2017. Electron Microscopy Unit, Faculty of Science Alexandria University. **Successfully Completing a Training Course entitled: "Analysis and Measurements of Various Chemical Elements using: Inductively Coupled Plasma Optical Emission Spectroscopy (ICP- OES)"**.

- . November 15th, 2017. Electron Microscopy Unit, Faculty of Science, Alexandria University. **Successfully Completing a Training Course entitled: "Uses of Electron Microscopy in Bacterial and Viral Examination"**.

. November 26th, 2017. **Conference of the Egyptian Society of Agricultural Engineering-**

New Technology of Agricultural and Biosystems Engineering and Their Applications
for Supporting Sustainable Development, Faculty of Agriculture, Alexandria
University,

Egypt. **Attending a field visit and workshop on: "Photovoltaic system"**

. January 21st, 2018. Central Lab Unit. Faculty of Science, Alexandria University.

Attending a workshop on: "Atomic Absorption Techniques: Instrumentation and Applications"

. April 3rd– 5th, 2018. Federation of Egyptian Industries, Environmental Compliance
Office. **Attending a training on: "Chemical Safety, Security and Supply Chain
Management"**. Alexandria, Egypt.

. April 10th, 2018. **Attending a workshop on: "Electrospinning Technique from
Fundamental into Nanotechnology Applications"** Held by City of Scientific Research
and Technological Applications (SRTA-City) in Cooperation with Arab center of
Nanotechnology, Alexandria, Egypt

. April 14th– 15th, 2018. Electron Microscope Unit. Faculty of Science, Alexandria
University. **Attending a workshop on: "Water Treatment, Desalination
Technologies
for Industrial Applications"**

. April 29th– 30th, 2018. Alexandria Research Center for Adaptation **ARCA**, Alexandria
University, Egypt. **Attending a workshop on: "Stakeholder Engagement and**

Participatory Climate Adaptation"

. May 12th, 2018. **Attending a workshop on: "Second workshop to raise awareness of the**

risks and management of POPs". Bibliotheca Alexandrina. Alexandria, Egypt

. June 25th, 2018. **Attending a workshop on: "Biodiversity: Application on Measurement**

& Statistical Analysis of Biological Data" Held at City of Scientific Research

and Technological Applications (SRTA-City) in Cooperation with Arab Society for Fungal

Conservation, Alexandria, Egypt.

. July 19th, 2018. **Attending an Information day and working session on: "BLUEMED**

Strategic Research and Innovation Agenda (Sria) Initiative on Blue Jobs and Growth

in the Mediterranean Area. Held in Arab Academy for Science, Technology and Maritime Transport (AASTMT), Alexandria, Egypt.

. January 27th, 2019. **Attending a workshop on: "Safety Precautions in Laboratories and**

Industries" Held in City of Scientific Research and Technological Applications (SRTA-

City) Alexandria, Egypt.

. October 27th, 2019. **Attending a workshop on: "Impact of Climate Change on**

Olive

Production in Egypt" Held in Faculty of Agriculture- Alexandria University in Cooperation FAW Organization, Alexandria, Egypt.

. May 12th, 2020. **Attending for an online webinar on: "HPLC System Optimization" –**

organized by eLearning phenomenex.

May 27th, 2020. **Attending for an online webinar on: "Food and Water Microbiological**

Analysis" – organized by ACERTA Academy.

. May 27th, 2020. **Attending for an online webinar on: "Occupational Health & Safety**

Management ISO 45001: 2018" – organized by ACERTA Academy.

. May 28th, 2020. **Attending for an online webinar on: "Brief about ISO 17025: 2017" –**

organized by ACERTA Academy.

. May 28th, 2020. **Attending for an online webinar on: "Quality Management System ISO**

9001: 2015" – organized by ACERTA Academy.

. May 29th, 2020. **Attending for an online webinar on: "Management Systems for Educational Organizations ISO 21001: 2018" – organized by ACERTA Academy.**

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.

. December 25th, 2015. Active contribution and organizing a workshop on:
Hydroponics, Introduction and Applications by Using Different Types of Water. Arid Land Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt.

. February 4th, 2016. **Teaching** a lecture entitled: **Natural Materials in Waste Water Treatment**. In **Environmental applications for Technological Applications training course**, Electron Microscopic Unit, Faculty of Science, Alexandria University, Alexandria, Egypt.

. March 29th, 2016. Active contribution and organizing a workshop on: **Research Ethics: Basics and Principles**. City of Scientific Research and Technological Applications, Alexandria, Egypt.

. May 5th, 2016. Organizing and actively participated in the preparation, execution and teaching a workshop entitled: **Towards a Good Research**. Medical Technology Center for Research and Services, Medical Research Institute, Alexandria University, Alexandria, Egypt. **Teaching** a lecture entitled: **Types of Authorships**

. May 25th, 2016. Participation in organizing a workshop entitled: **Climate changes and Agricultural sector: impacts, vulnerability and adaptation**. Organized by

Alexandria

Research Center for Adaptation **ARCA**, Alexandria University, Egypt.

. August 8th - 9th, 2016. Participation as an organizer in a workshop entitled: **Global Concepts of Scientific Research**. Organized by Faculty of Agriculture, Alexandria University, Egypt.

. September 28th- 29th, 2016. Participation as an organizer in a workshop entitled: **Global Concepts of Scientific Research**. Organized by Faculty of Agriculture, Alexandria University, Egypt.

. January 4th, 2017. Active contribution and organizing a workshop on: **Towards a Good Research**. Arid Lands Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt.

. January 24th, 2017. Participation as an organizer in workshop on: **How to get a Scholarship**. Responsible Science Center. Alexandria, Egypt.

. May 15th, 2017. Active contribution and organizing a workshop on: **Towards a Good Research**. Arid Lands Cultivation Research Institute. City of Scientific Research and Technological Applications, Alexandria, Egypt.

. November 11th, 2017. Participation by an oral presentation on: **Types of Authorships**

Genetic Engineering and Biotechnology Research Institute (GEBRI). City of Scientific Research and Technological Applications, Alexandria, Egypt

. February 21st, 2018. Organizing the international workshop on: **“Adsorption Water Desalination using MOF Materials”**. Held by City of Scientific Research and Technological Applications (SRTA-City) in Cooperation with University of Birmingham, UK. Alexandria, Egypt.

. September 1st – 12th, 2019. Supervision of a summer school entitled: **“Agricultural water management”**. Held in City of Scientific Research and Technological Applications (SRTA-City).

Administrative Activities

List your Administrative Activities here...
(Activity Title, Description & Date)

Administrative committees at SRTA City

- Member of a committee of technical properties for new equipments, 2020.
- Member of a committee to collect and prepare for new equipments and raise efficiency, 2019.
- Head of the Committee to examine the scientific devices to determine the status of the Institute 2018.
- Head of the technical decision committee on the direct purchase offers of the Institute 2018

- Head of the technical decision committee on the direct purchase offers of the Institute 2016
- Chairmanship of the technical decision committee for the auction of office furniture of the Institute 2014
- Member of a committee to prepare for a one-day workshop "Towards New Horizons for Cooperation with Industry 2018
- Member of the Central Committee for Organization and Preparation of Workshops – Conferences - Seminars - Lectures - Seminars - Training Courses 2017
- Member of the committee to develop the specifications and values of the tender of the Institute's chemicals 2015
- Member of the Committee to determine the efficiency of the computer supplier from the company PCLINK Institute 2015

Labs manager, Environmental and Natural Resources Institute, Mubarak

City for Scientific Research and Technology Applications, from March 15th, 2009 till November 10th, 2013.

. **Technical manager**, Central Lab for Scientific Services and Environmental Assessment,

Mubarak City for Scientific Research and Technology Applications, Managing the lab Technically for all analyses (chemical, microbiological, food analyses, measurements using GC, HPLC, TOC,...etc, from August 2007 till March 14th, 2009.

Extra-curriculum Activities

List your Extra-curriculum Activities here...

Social and International activities

. Member of World Association of Soil and Water Conservation (WASWAC), China

- . 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 Agricultural and Environmental Sciences Development Association, Alexandria, Egypt.
- . Member of the Arab Society of Material Science, Alexandria, Egypt
- . Member of the Arab Society for Fungal Conservation, Egypt

Consultation

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

Labs`setup and organization

. Strong participation in setting up of **an Environmental Measurements lab (Air pollution**

lab), Environmental and Natural Materials Research Institute, General Authority of City

of Scientific Researches and Technological Applications, Alexandria, Egypt.

. Good participation in setting up of **an Environmental Measurements lab**

(Air pollution lab), Genetic Engineering & Biotechnology Research Institute, City of Scientific Researches and Technological Applications, Alexandria, Egypt.

	<p>Activities</p> <p>. Internal Auditor for Laboratory Quality Management System (QMS) ISO 17025:2005</p> <p>. 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.</p> <p>. 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.</p> <p>. Documented Arabic Arbitrator in the Arab International Federation for Arbitration. محكم معتمد</p>
<p>GRANTS & AWARDS</p>	<p>List your Grants here... (start with the most recent) (Grant's Name – Date – Location)</p> <hr/> <p>Awards List your Awards here... (start with the most recent) (Award's Name – Date – Location)</p>
<p>LIST OF PUBLICA TIONS</p>	

A) Journals

. Aziza A. Abd – Elaziz, Abdel – Aziz M. khalaf- Allah, Mostafa N. Feleafel, Talaat H. Suleiman and **Hoda F. Zahran**. 2019. Effects of Spacing, humic acid and boron on growth, seed production and quality of Broad Bean (*Vicia faba var major* L). Alex. J. Agric. Sci. 64(3): 207- 217.

. M.R. El-Aassar, Hala Fakhry, Ahmed A. Elzain, **Hoda Farouk**, Elsayed E.Hafez. 2018.

Rhizofiltration system consists of chitosan and natural *Arundo donax* L. for removal of basic red dye. International Journal of Biological Macromolecules. 120(B): 1508-1514.

(Scopus & ISI)

. A. M. Allam, M. K. Mohamed, **H. F. Zahran**, M. H. ElSheikh, G. B. Abdelnour. 2018.

Agricultural wastes as a potent adsorbing agent for some organic pollutants from aqueous

Solutions. Bioscience Research. 15(3): 1826-1831. **(Scopus)**

. Z.Sh. El Khaliefa, **H. F. Zahran**, M. H. ElSheikh. 2018. Economic Analysis of the Effect

of Climate Change on Yield of Wheat crop in Egypt: Case Study Temperature Change.

Bioscience Research. 15(3):1845-1851 **(Scopus)**

. Mohamed H. El-Sheikh, **Hoda F. Zahran**. 2017. **Abstract on: Effect of chilling**

accumulation on fruit yield of olive trees in Egypt. International Science Index International Journal of Environmental and Ecological Engineering. 4(6).

<http://waset.org/abstracts/63113>

. Mahmoud Nasr and **Hoda Farouk Zahran**. 2016. **Performance evaluation of agricultural drainage water using modeling and statistical approaches**. Egyptian Journal of Aquatic Research. 42 (2): 141–148. (Scopus)

. Mahmoud Nasr and **Hoda Farouk Zahran**. **Performance Evaluation of Agricultural Drainage Water Statistically – A case study**. **Proceedings of 7th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2015) September 17th – 20th, 2015, Kavala, Greece**. urn:nbn:de:0074-1498-7, Vol-1498: 367- 370. ISSN: 1613- 0073. Available at: <http://ceur-ws.org/Vol-1498/> (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>

. 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. **2015/2016 RG Journal impact 0.63**
https://www.researchgate.net/journal/1450-202X_European_Journal_of_Scientific_Research

. 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

. **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.

. 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.**

. 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.**

. Mahmoud Nasr and **Hoda Farouk Zahran. 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**)

. El-Bestawy E, Mansy AH, Attia AM and **Zahran H. 2014.** Biodegradation of Persistent Chlorinated Hydrocarbons Using Selected Freshwater Bacteria. J Bioremed Biodeg 5(4): 226. **ISSN: 2155-6199 JBRBD**, <http://dx.doi.org/10.4172/2155-6199.1000226> - (**Google Schooler**) **Impact factor: 2.01**
<https://www.omicsonline.org/open-access-journals-impact-factors.php#impact-factor>

. 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**

. 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 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**

. 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**.

Citation

Scopus **26**

Google Scholar **61**

h- index

Scopus **3**

Google Scholar 4

B) Conference Proceedings

. Lamiaa A. Amer and **Hoda F. Zahran**. Abstract on: **Prediction models for climate change resulted from gases emitted from e – waste burning process.** 3rd International

Conference on **Biological and Environmental Sciences & Applications (ICBESA).**

February 6th- 8th, 2020. Natural Sciences Publishing Cor., Aswan, Egypt.

. Hoda F. Zahran. Abstract on: **Agri- Environmental Indicators (AEI).** 5th International

Conference on *New Horizons Towards Comprehensive Development*. April 1st – 4th,

2019. Environmental Studies and Research Institute, University of Sadat City, Hurghada,

Egypt.

• Lamiaa A. Amer and **Hoda F. Zahran**. Abstract on: **3D TECHNOLOGIES in LAKE RESTORATION**. 4th International Conference on *Biotechnology and Environmental Safety* – Technology & Innovative Options for Sustainable Management of Water Resources in Egypt. February 27th- 28th, 2019. National Research Center, Cairo, Egypt.

- . Ahmed A. El-Shafei, Mohamed Helmy, **Hoda F. Zahran**, Dina El Nozahy. Abstract on: **Treatment of Agricultural Drainage Water via Electrocoagulation Technique for Irrigation Purposes in Arid and Semi- Arid Lands.** International Symposium on Irrigation and Drainage in Arid and Semi- Arid Zones (ISID 2018). December 3rd – 6th, **2018**. Kuwait Institute for Scientific Research, Kuwait.
- . Mahmoud Nasr and **Hoda Farouk Zahran**. Lecture on: **Determination of Agricultural Waste Trace Elements Content for Reuse in Irrigation Process.** 21st Conference of the Egyptian Society of Agricultural Engineering- **New Technology of Agricultural and Biosystems Engineering and Their Applications for Supporting Sustainable Development-** November 25th, 2017, Faculty of Agriculture, Alexandria University, Egypt.
- . **Hoda Zahran**, Ahmed Al Sawy, Shaimaa Lazem. Abstract on: **Monitoring of Groundwater Under Climate Changes in Northern Egypt and Related Impacts in Agricultural Sector using GIS.** **Proceeding** of 15th International Symposium of Bio-control and Biotechnology (ISBB 2017). October 17th – 20th, **2017**, Faculty of Agriculture, Alexandria University, Egypt, King Mongkut`s Institute of Technology Ladkrabang, Thailand and Harbin Institute of Technology, Harbin, China. Hurghada, Egypt.
- . Ali I. Abido, Mohamed H. ElSheikh, **Hoda F. Zahran**, Ahmed H. Mohammed. Abstract on: **Nano fertilizers in agricultural sector.** **Proceedings** of the International Egyptian

Czech Conference on Nanotechnology Applications (IECCNA2017). October 10th-11th,

2017, Faculty of Agriculture, Cairo University, Giza, Egypt.

. Elsayed E. Hafez, M. ElSheikh, M. R. El-Aassar, **Hoda F. Zahran**, H. Fakhry. Abstract on: **Applications of membrane based green materials in TDS removal from aqueous solutions. Proceedings** of the 1st International Conference of Chemical, Energy and Environmental Engineering. March 19th – 21st, 2017. School of Energy Resources, Environment, Chemical and Petrochemicals Engineering, Egypt- Japan University of Science and Technology (Egypt), Kyoto University and Tokyo Institute of Technology(Japan), Alexandria, Egypt.

. **Hoda F. Zahran**. Abstract on: **Agricultural Sector Mitigations for Climate Changes Effects. Abstract book** of the 3rd International Conference on "Biotechnology and Environmental Safety". March 14th– 16th, 2017, National Research Center, Giza, Egypt.

. **Hoda Zahran**. Abstract on: **How green chemistry connects to sustainable agriculture:**

A review. Abstract book of the 6th International Chemistry Conference- New Trends in Chemistry (6th ICC). November 8th – 10th, 2016, Department of Chemistry, Faculty of Science, King Saud University. Riyadh. Saudi Arabia.

. Dalia M.M. Yacout, Naglaa F. Soliman, **Hoda F. Zahran**. Abstract on: **Potentials of a sustainable olive industry in Egypt. Proceeding book** of the International Conference on Biotechnology and Environment. November 1st– 3rd, 2016, Faculty of Agriculture, Alexandria University, Egypt.

- . **Hoda F. Zahran**, Naglaa F. Soliman and Dalia M.M. Yacout. Abstract on: **Optimal conditions for olive trees cultivation. Proceeding book** of the International Conference on Biotechnology and Environment. November 1st – 3rd, **2016**, Faculty of Agriculture, Alexandria University, Egypt.

- . Naglaa F. Soliman, Dalia M.M. Yacout, **Hoda F. Zahran**. Abstract on: **Sustainable development of the Northwestern coastal zone of Egypt: economic, social and environmental perspectives. Proceeding book** of the International Conference on Biotechnology and Environment. November 1st– 3rd, **2016**, Faculty of Agriculture, Alexandria University, Egypt.

- . **Zahran H.** Abstract on: **Overview on Sustainable Water Resources and Communities. Abstract book** of the 8th International Conference of High Institute of Public Health, Think Globally & Act Locally: Public Health Action in Challenging Times. October 19th– 20th, **2016**, High Institute of Public Health, Alexandria University, Egypt.

- . Mahmoud Nasr and **Hoda Farouk Zahran**. Abstract on: **Artificial Intelligence for Agricultural Drainage. Book of Abstracts** of the 5th International Conference on Aquatic Resources (ICAR- 2015) Challenges, Development & Sustainability. November 29th – 30th, **2015**, National Institute of Oceanography and Fisheries (NIOF), Alexandria, Egypt.

- . Mahmoud Nasr and **Hoda Farouk Zahran**. Abstract on: **Agricultural Drainage Water Treatment using Artificial Neural Network- A review. Book of Abstracts**

of 1st International Conference on Applied Chemistry- ICAC 2015. November 18th – 19th, 2015, King Abdulaziz University, Jeddah. Saudi Arabia.

. **Hoda Farouk Zahran** and Kh. M. Darwish. Abstract on: **Management of Watershed Areas. Abstracts` book of** Desert Technology 12th International Conference (DT12). November 16th – 19th. 2015. Faculty of Agriculture, Cairo University, Egypt.

. **Hoda Farouk Zahran**. Abstract on: **Africa, Groundwater Protection for Arid Lands Vegetation. Abstracts` book of** Desert Technology 12th International Conference (DT12). November 16th – 19th. 2015. Faculty of Agriculture, Cairo University, Egypt.

. Mahmoud Nasr and **Hoda Farouk Zahran**. Abstract on: **Performance Evaluation of Agricultural Drainage Water Statistically – A case study. Abstracts` book of** 7th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2015) September 17th – 20th, 2015, Kavala, Greece.

. **Hoda Farouk Zahran**. Abstract on: **Climatic change impacts on Egyptian water resources used for agricultural sector, an overview. Abstracts` 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.

. **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 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, Haurghada, 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.

. El-Bestawy, Mansy A.H., Attia A. M. and **Zahran H.F.** Abstract on: **Inhibitory effect and biodegradation of chlorinated hydrocarbons by selected freshwater bacteria**. Abstracts book of 5th World Congress on Biotechnology. June 25th- 27th, **2014**. Valencia, Spain.

. 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 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.

. 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 Water Biotech Conference.** October 9th -11th, **2012.** National Research Center, Cairo, 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.

. **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, Egypt.

. 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.

. **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 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**.

. 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**.

Essays

(In Arabic) إطلالات على التنوع البيولوجي - الإصدار الخامس للملتقى البيئي الخامس ويوم الأرض العالمي 2010 - كلية العلوم - جامعة الاسكندرية