

# Curriculum vitae



## Personal data:

Name : EMAN MOHAMED MOSTAFA  
Sex : Female  
Nationality : Egyptian  
Date of birth : 25\04\1979  
Address : Egypt/Cairo  
Mobile : 01002266740  
Marital status : Single  
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## Educational Role : (Researcher,production department, PVT Services Center ) ( Egyptian Petroleum Research Institute((EPRI)

- **Researcher in Nanomaterial's sciences for water and Solar Energy**
- **Researches in Renewable Energy**
- Identify the chemistry of oil and gas, petrochemical and petroleum geology and production both theoretically and practically

## Qualification:

### **2014- 2018 :**

- PHD Degree in Chemistry in Ain Shams University, Cairo, Egypt
- Reserach Title " Superheated Steam Generation using Solar System Prototype for recovery of Heavy Oil from Egyptian Reservoirs"

### **2014-2015 :**

- Diploma in Sciences and Engineering of Renewable Energy in Beni-Suef University, Faculty of Post graduated for Advanced Science, Egypt. Very Good Grade (79.73%) .

### **2013-2014:**

- Diploma statistical control and quality assurance in Cairo University , Egypt Very Good Grade (83.6 %)

### **2006 - 5/3/2011:**

- M.Sc. Degree in Inorganic and Analytical Chemistry in Al-Azhar University Cairo
- Research Title " Novel Cyclodiphosph(V)azane-thiolate and thiocarb- Onate Derivatives, Preparation, Identification and Biological Activity "

### **2005 – 2006:**

- Primary Master inorganic Chemistry and Analytical in Al-Azhar University Cairo

2004 – 2005:

- Diploma of Biochemistry and Analytical in Alexandria University , Egypt
- Grade Very Good

1999 – 2003:

- Faculty of Science, Chemistry (Special chemistry) in Al-Azhar University Cairo, Egypt
- Grade: Very Good with honour (81.82%)

#### Training Programmes :

**(19/05/ 2020):**

- Webinar on ((Artificial Intelligence in Energy Systems Entitled “Intelligent Energy Management in a City Leve)) in Environmental Center for Arab Towns, Cairo, Egypt.

**(03/05/ 2020):**

- Workshop on ((Introduction to Nanotechnology)) in Academy Jordan University of Science and Technology(EDRAAK), Cairo, Egypt

**(01/05/ 2020):**

- Workshop on ((Technology principles and professional means of communication)) Queen Rania Teacher, Cairo, Egypt.

**(21/04/ 2020):**

- Workshop on ((Training of Trainers (TOT) - Introductory Crash Course)) in The International Board of Certified Trainers(EDRAAK), Cairo, Egypt.

**(09/11/ 2019):**

- Workshop on (( TOT workshop )) in KAWADER, Cairo, Egypt.

**((3-5)/11/ 2019):**

- Workshop on ((Fundamentals of Manufacturing of Solar Thermal Heaters)) in UNIDO–industrial devolvement office , Cairo, Egypt.

**28/09/ 2019:**

- Workshop on (( Designing and Implementing mobile Reverse Osmosis Floating Desalination Platform)) in Egypte Desdalinatoin Reasearch Center (EDRC), Cairo, Egypt.

**9-11/09/ 2019:**

- Workshop on (( Quantum Chemistry Application to study Corrosion Inhibitors Performance using DFT)) in Egyptian Petroleum Research Institute (EPRI), Cairo, Egypt .

**1-2 /09/ 2019:**

- Workshop on ((The Leadership Challenge [Leadership Development for Research Managers])) Academy of Scientific Research and Technology , Cairo, Egypt.

**6-11/07/ 2019:**

- Workshop on ((Renewable Energy Summer School)) in Energy and Sustainable Economic Development ((ENED)), Cairo, Egypt ,

**21/04/ 2019:**

- Workshop on (( Towarda Supporting the Role of Woman inScience in Developing Countries)) inNnational Research Centre, Cairo, Egypt ,

**28/03/ 2019:**

- Workshop on (( How to get published)) in Egyptian Petroleum Research Institute (EPRI), Cairo, Egypt ,

**27/03/2019 :**

- Workshop on” Quality In research” in National Training institute, Cairo, Egypt

**18/03/2019 :**

- Workshop on "Solar Energy Application for Sustainable Development" in National Research Center , Cairo, Egypt
- (10-11)/03/ 2019):**
- Workshop on ((Science diplomacy, Innovation and Entrepreneurship for sustainable development)) World Forum for Women in science(WISWB 2019),Cairo, Egypt.
- (02-03)/03/ 2019):**
- Workshop on ((Art of Sales and Marketing)) Better Lfe Center, Cairo, Egypt.
- 30 /12/ 2018):**
- Workshop on ((Nanomaterials for Environmental and Biomedical Applications ))faculty of Education , Ain Shams University, Cairo, Egypt
- (23-27)/12/ 2018):**
- Workshop on ((Skills of Preparing Future Leaders)) Sadat Academy for Management Scienes, Cairo, Egypt.
- (16-18)/12/ 2018):**
- Workshop on ((Planning and Sustainable Development)) Sadat Academy for Management Sciences, Cairo, Egypt.
- 09/12/2018:**
- Workshop on (( Recent Advances in Renewable Energy Technologies III)) in Beni-Suef University, Faculty of Post graduated for Advanced Science, Egypt.
- (27/11/ 2018):**
- Workshop on (( Problem Solving and Team Work Enhancement)) in DAAD Kairo Akademi, Cairo, Egypt.
- (25/11/ 2018):**
- Workshop on (( Water Desalination and Renewable Energy for Sustainable Development )) in Egypte Desalination Reasearch Center (EDRC), Cairo, Egypt.
- (09/7/ 2017):**
- Workshop on (( Research Processes :Overview and Principles )) in DAAD Kairo Akademi, Cairo, Egypt.
- (18-20)/04/ 2017 :**
- Workshop on (( New Trend in Cooling Towers Water)) in Egyptian Petroleum Research Institute((EPRI), Cairo, Egypt ,
- (17-19)/01/ 2017 :**
- Workshop on ((Utiization of Emulsion in Different Petroleum Applictions )) in Egyptian Petroleum Research Institute((EPRI), Cairo, Egypt .
- (25 /5/ 2017):**
- Workshop on (( Self-Maeketing)) in DAAD Kairo Akademi, Cairo, Egypt.
- (26 /2/ 2017):**
- Workshop on ((Proposal Writing Post Docs)) in DAAD Kairo Akademi, Cairo, Egypt.
- (6-8)/12/2016**
- Workshop on ((Next Generation of Polymer Nanocomposites for Sustainable Development in Egypt)) in Egyptian Petroleum Research Institute((EPRI), Cairo, Egypt.
- (19 /10/ 2016):**
- Workshop on ((How To Present Scientific Data)) in DAAD Kairo Akademi, Cairo, Egypt.
- (21 /8/ 2016):**

- Workshop on (( Basic First Aid and Clinical Skills)) in (E.C.C: European Cultura Center), Cairo, Egypt.
- (21-22)/11/2015:**
- The 1st intrenatonal Workshop on (( Recent Advances in Nanomaterials)) in Beni-Suef University, Faculty of Post graduated for Advanced Science, Egypt.
- (3-17)/11/2015:**
- Workshop on “Introduction of Nanotechnology” in Naqaa Foundation For Scientific Research Technology and Development, Giza, Egypt.
- 13 /11/ 2015:**
- Workshop on” Nanotechnology: From Physics to Applications”, Naqaa Foundation for Scientific Research Technology and Development, Giza, Egypt
- (21-23)/6/2014:**
- Workshop on “Solar energy and its Applications” in Arab Society of Materials Science (ASMS)Alexandria ,Egypt .
- (8/5/2014) :**
- Workshop on “data management using EndonotX7 software” in National Research Center , Cairo, Egypt
- (9-16)/4/2011 :**
- Workshop on “Career in HR Program” in Global Academy Training and Development, Ain Shams University, Cairo, Egypt
- 29/3/2011 :**
- Workshop on “Effective communication skills” (Mr.Ahmed koddous ) in International Center for Training and Consulting, Cairo, Egypt.
- 18/3/2011:**
- Workshop on “ Life cycle model ” (Dr .Ahamed Eldemlaowy) in A national initiative Yamsr, Cairo, Egypt
- 27/2/2011 :**
- Time management (Mr. Samy Yousef ) in A national initiative Yamsr , Cairo, Egypt
- 10/9/2007 TO 12/12/2007 :**
- Training in Biochemistry and microbiology departments in Medical Center of El-Asher Men Ramadan Cairo, Egypt.

### Publication and Conference

- " Modeling and simulation of Parabolic Trough to Generate Superheated Steam for recovery of heavy Oil using MATLAB software”. 10<sup>th</sup>International Conference Arab Union for Sustainable Development &Eneviromen and Under the auspices of League of Arab States ( 9-10 September 2019).
- " Synthesis and Thermal conductivity of Iron vanadium oxide-Iron oxide Hybrid Nanofluid in Flat Plat Prototype Solar Collector”. 3<sup>rd</sup>International Conference for Women in Science network ( 12-14 March. 2019) (WISWB 2019)
- " Modeling and Simulation of a Stand-alone Parabolic Trough Solar to Generate Superheated Steam for recovery of Heavy Oil. The 22<sup>nd</sup> International Conference on Petroleum, Mineral Resources and Development.( 26-28 Feb. 2019)(EPRI).

- " Construction and evaluation of solar collector prototypes in different weather conditions. The 21<sup>st</sup> International Conference on Petroleum, Mineral Resources and Development.( 20-22 Feb. 2018)(EPRI).
- " Construction and evaluation of solar collector prototypes in different weather conditions. The 21<sup>st</sup> International Conference on Petroleum, Mineral Resources and Development.( 20-22 Feb. 2018)(EPRI).
- "Enhancement the Efficiency of Flat Plate Collector for Solar Energy Conversion by heat transfer fluid based nanomaterial. The 20<sup>th</sup> International Conference on Petroleum, Mineral Resources and Development.( 20-22 Feb. 2017)(EPRI).
- "Enhancing the Stability of Ethylene Glycol Based Nanoparticle" ,16th Arab International Conference on Materials Science Materials for society (Alexandria 3-5 Dec 2016).
- Science for Sustainable construction and Energy(( SSCE ),(14&15) November 2016, Arab Union for Sustainable Development &Environment and Under the auspices of League of Arab States.
- Six International Conference of the Arab Federation for Sustainable Development and the Environment( 8-10) May 2016,(IEUS), Arab Union for Sustainable Development &Environment& Ain-Shams University, Cairo, Egypt.
- 5<sup>th</sup> Anniversary of ANSOLE (2011-2016): International Conference on Renewable Energy (INCORE2016) (3-6 February 2016) ,Zewail City of Science and Technology, 6th of October City, Egypt.
- "Novel cyclodiphosph(v)azane-Thiolate and Thiocarbonate Derivatives, Preparation,Identification and Biological Activity" the book's ISBN (978-3-659-96623-1) in LAP LAMBERT Academic Publishing.
- "Studis in Cyclodiphosph(V)azanes: Reactions of Some Hexacyclochlorocyclo-diphosph(V)azenes(I) withe Dithiolate Deravatives",8thInternational ScientificConference,AIAzharUniversity(AZHARSCIENCE),Enviroment,Devlopment, and Bioinformatics,26-28 Mach2012,Cairo,Egypt

#### Previous Experience:

- ✓ (2013-till now) Researcher in Egyptian Petroleum Research Institute(EPRI) ,Production Department, Centre PVT
- ✓ (2005- 2013) chemistry, Faculty of Oral & Dental medicine). Working in Misr International University .
- ✓ (2019-2020) Teaching engineering materials at El Salam Technical Integrated Cluster for Military Production

#### Memberships:

- **membership of Organization for Women Science for the Developing world (OWSD)**
- **membership of league of Arab African youth.**
- **membership of Project 1,000 African commander**

- **The Arab Society Of Material Science**, Institute of Graduate Studies and Research, Alexandria University ,Alexandria, Egypt.
- **Membership Arab Center for Nanotechnology**,Egypt.
- **Naqaa Nanotechnology Network NNN**, Giza,Egypt
- **Arab Union for Sustainable Development and Environment**
- **membership of the Royal Society of Chemistry.**

#### Languages:

- Arabic mother tongue.
- English very good(studying English course in MITU Academy).
- Having TOEFL, Cairo University , Egypt

#### Computer Skills

- ICDL Course
- Program SPSS software.
- Program MATLAB software
- Professional MS office user

#### Personal skills

- Team leader skills.
- Hard-working.
- Able to work under stress
- Self-development.
- Self-confident.

Dear Sir:

I am a chemist and working as Researcher in EPRI, I have a good experience in materials sciences, nanomaterial's, inorganic, analytical and photochemistry and its application in the identification of structure and function of nanoselective coating and nanofluid heat transfer material which used in solar energy. I am able to research and analysis on water, renewable energy and energy efficiency trends and technologies in the Arab and African States .

My main target is using the principles and characteristics of chemistry and Engineering to apply it in economics of renewable energy my curriculum vita enclosed for your reference and I would be pleased to discuss any information with you in more detail at an interview. In the meantime, please do not hesitate to contact me for further information. I am looking forward to hear from you with a positive consideration.

Yours faithfully,

*Eman Mohamed Mostafa*