

Hanaa Selim Ali Selim

23th El-Shaheed Ahmed Abd El-Aziz
,El-Salam Hotel St.Cairo, Egypt.
Telephone: (02)22974609
Mobile: (012)28826025-(011)15095326
E-mail: dr.hanaa_epri@hotmail.com

Professional Experience

2019	Researcher at Egyptian Petroleum Research Institute (EPRI).
2017	Researcher assistant at EPRI.
2013-2016	Chemist at EPRI.
2012	Assistant researcher at Egyptian Atomic Energy Authority (EAEA)
2011	Researcher at Academy of Scientific Research & Technology (ASRT)
2010	Medical Rep. in Egy Chem Company.
2009	Telesales in Aml Company. Telemarketing in UIG Company.
2008	Medical Rep. in Master Medical Company.
2007	Medical Rep. in Mega international Company.

Academic Record

University:	Ain Shams University
Faculty:	Faculty of science
Department:	B.SC. of Science
General Grade:	very good with honors (% 82.16)
Graduation Project:	Preparation and Characterization of Semiconductor
Graduation Date:	2007-2008
Master degree in Nanotechnology:	2012- 2013
Ph.D. degree in Renewable energy:	2018

Skills

Computer Skills:

- Developed Language and Computer Skills.
- Enhanced Presentation & Project Development Skills.
- Acquired basic business skills including: marketing, Sales, banking, accounting, business, correspondence.
- Excellent Knowledge of Internet.
- Very Good Knowledge of office packages.
- Good Knowledge of outlook.
- ICDL Certificate.
- TOFEL ITP Certificate.

Language Skills

- Native language Arabic
- Good command of both written and spoken English
- Tofel Certificate

Personal Data

12/1/1986
Egyptian
Single
Female

Hobbies

Karate and travelling

Additional Information

Publications

- Synthesis and Structural Characterization of ZnS Quantum Dots, Journal of Radiation Research and Applied Sciences 6 (2013) 93 – 106.
- Solid-state synthesis of ZnS nanoparticle via mechanical milling process, Nano Science and Nano Technology 8 (2014) 83-91.
- Fabrication and Characterizations of TiO₂/ZnO Nanocomposite: Improving Dye-Sensitized Solar Cell Efficiency, International Journal of Engineering Research and Management (IJERM), 4 (2017) 2349-2058.
- The effect of ZnO and it's nanocomposite on the performance of Dye-Sensitized Solar Cell, Journal of Nanoscience & Nano Technology 12(2018) 0974- 7494.
- A novel photoelectrode of NiO@ZnO nanocomposite prepared by pechini method coupled with PLD for efficiency enhancement in DSSCs, journal of Material Science-Poland 2(2018) 327–336.
- Chitosan/MCM-48 nanocomposite as a potential adsorbent for removing phenol from aqueous solution.M Fathy, Hanaa Selim, AEL Shahawy, RSC advances 10 (39), 23417-23430,2020.
- Elaboration of Fe₃O₄/ZnO nanocomposite with highly performance photocatalytic activity for degradation methylene blue under visible light irradiation.R Elshypany, Hanaa Selim, K Zakaria, AH Moustafa, SA Sadeek, SI Sharaa, Environmental Technology & Innovation 23, 101710, 2021.
- Magnetic ZnO crystal nanoparticle growth on reduced graphene oxide for enhanced photocatalytic performance under visible light irradiation.R Elshypany, Hanaa Selim, K Zakaria, AH Moustafa, SA Sadeek, SI Sharaa, Molecules 26 (8), 2269,2021.
- Large scale hybrid magnetic ZnFe₂O₄/TiO₂ nanocomposite with highly photocatalytic activity for water splittingMA Draz, HH El-Maghrabi, FS Soliman, Hanaa Selim, AA Razik, AE Amin, Journal of Nanoparticle Research 23 (1), 1-10,2021.

- Hybrid magnetic core–shell TiO₂@ CoFe₃O₄ composite towards visible light-driven photodegradation of Methylene blue dye and the heavy metal adsorption: isotherm and kinetic study. Mahmoud F Mubarak, Hanaa Selim, Rania Elshypany, Journal of Environmental Health Science and Engineering, 20 (1), 265-280, 2022.
- Tertiary nanocomposites of Metakaolinite/Fe₃O₄/SBA-15 nanocomposite for the heavy metal adsorption: isotherm and kinetic study. A El-Denglawey, MF Mubarak, Hanaa Selim, Arabian Journal for Science and Engineering 47 (1), 455-476, 2022.
- Fabrication of electro spun nylon6. 12/chitosan@ PES nanofibrous UF membrane towards dyes rejection from synthetic wastewater. Hanaa Selim, R Elshypany, SM El-Bahy, MF Mubarak, EO Taha, Polymer Bulletin, 1-23, 2022.
- Superior Photocatalytic Activity of BaO@Ag₃PO₄ Nanocomposite for Dual Function Degradation of Methylene Blue and Hydrogen Production under Visible Light Irradiation. Hanaa Selim, ER Sheha, Rania Elshypany, Patrice Raynaud, Heba H El-Maghrabi, Amr A Nada.
- Efficient Photo catalytic Degradation of Organic Pollutants over TiO₂ Nanoparticles Modified with Nitrogen and MoS₂ under Visible Light Irradiation. Heba M. El Sharkawy , Amira M. Shawky , Rania Elshypany, Hanaa Selim, Scientific Reports, 2023, 13(1), 8845.
- Conversion of Waste Cheap Petroleum Paraffinic Wax By-Products to Expensive Valuable Multiple Carbon Nanomaterials. AA Nada, FS Soliman, GAM Ali, A Hamdy, Hanaa Selim, MA Elsayed, Waste Recycling Technologies for Nanomaterials Manufacturing, 729-751.
- Hybrid magnetic core–shell TiO₂@CoFe₃O₄ composite towards visible light-driven photodegradation of Methylene blue dye and the heavy metal adsorption: isotherm and kinetic study. Mahmoud F Mubarak, Hanaa Selim, Rania Elshypany, 19/12/2022, London.

Conferences

- The 22nd International Conference on Petroleum Mineral Resources and Development 26-28 February 2019, Cairo, Egypt.

- Intersol 2019-3rd EAI International Conference on Innovations and Interdisciplinary Solutions for Underserved Areas.
- Conference Name: 19th international conference on Petroleum, Mineral Petroluem Resources and Development, Egyptian Petroleum Research Institute, 22-24 February 2016, Cairo, Egypt.
- Conference Name: 20th international conference on Petroleum, Mineral Petroluem Resources and Development, Egyptian Petroleum Research Institute, cairo, Egypt.
- Conference Name: 22th international conference on Petroleum, Mineral Petroluem Resources and Development, Egyptian Petroleum Research Institute, 26-28 February 2019, Cairo, Egypt.
- Conference Name: 2nd international conference on water resources in Arid Areas 2020, Novamner 9-11,2020, Muscat,oman.
- Conference Name: 18th international conference on radiation science and applications, 10-13 November 2021, Hurghada, Egypt-the Egyptian society of
- radiation science and applications
- Conference Name: the Egyptian Fifth International Conference in Chemistry (25th Egyptian Conference in chemistry), 25-28 october,2022, Marsa Alam Resort.
- Conference Name: The 4th International Conference of The Advanced Materials Technology and Mineral Resources Research Insitiute.14-15 February, 2023, National Research Center, Cairo, Egypt.
- Conference Name: Radiation Research of Polymer Chemistry Conference, 12-14 March ,2023, Egyptian Atomic Energy Authority, Egypt.
- Conference Name: International Conference of Environment& Climate Change Research Institute.23-24 May, 2023, National Research Center, Cairo, Egypt.

Workshops

- Next Generation of Polymer Nanocomposites for Sustainable Development in Egypt 7-8 December 2016.
- The 1st Workshop on Nanomaterials for Environmental and Biomedical Applications held on Faculty of Education, Ain Shams University, Roxy, Cairo, Egypt, 30-12-2018.
- Renewable Energy summer school, held on Academy of scientific Research & technology & Cairo, during 6-11 July, 2019.
- Optimizing green environment: Climate Change, Soil, Air, Energy, Plant, Waste Remediation & Reuse. Sponsored By FRAME Project Science & Technology Development Fund of Egypt (STD F), Monday; 17th of October, 2022.
- The professional workshop "From papers to patents: Innovation Roadmap" organized by EKB and delivered by Clarivate - Web of Science, 7/11/2022.
- Material Characterization workshop in 14-15 February, 2023, National Research Center, Cairo, Egypt.

Training Courses

- Training program in Science and Technology "Granted the Academy of Scientific Research", 2013.
- Training of Nanotechnology program at Egyptian Petroleum Research Institute, 2016.
- Uses of Ion selective Electrodes for the Determination of some Pollutant Metal ions, 1-7-2017.
- Utilization of Emulsions in Different Petroleum Applications, 19-01-2017.
- Successfully completed the following module " Focus on Peer Review" At Nature Master classes online course 31 August, 2020.
- Guide to reference managers: How to effectively manage your references on Monday 31 August, 2020.
- How select the right journal to submit your journal? Hold on Helwan University on Tuesday 1st September, 2020.
- How select the right journal to submit your journal? Hold on National Research center, Cairo, Egypt, September, 10 th & 16th, 2020.

- Increasing grant success rates with funding insights, discovery and decisions on: September 17, 2020.
- Renewable energy, Latest Research Topics and Trends that was held on the Egyptian Knowledge Bank Tuesday 22 th September 2020.
- Make your data reusable - It's Not FAIR! Improving Data Publishing Practices in Research on Researcher Academy, Thursday 24 thSeptember, 2020.
- Research Tips & Techniques - How to improve your research skills that was held on Egyptian Knowledge Bank, Wednesday 30th September 2020.
- Tips for scientific publishing on Helwan University, October 3th 2020.
- Tips and Tricks to write and apply a successful Research proposal, Hold on National Research center, Cairo, Egypt, October,4 th &5 th ,2020.
- Understanding the peer review and publication processes – How to get published that was held on the Egyptian Knowledge Bank, Tuesday 13th October 2020.
- Mendely course at Egyptian Petroleum Research institute, (EPRI) November 25 th, 2020.
- Enhance your Research with Elsevier, Hold on National Research center, Cairo, Egypt, November, 26th ,2020.
- Researcher Career Journey and Challenges at EKB on Monday 14 June, 2021.
- Questionnaire design in scientific research, IFAD - Scholars and Academics Platform and IFAD Academy, 21 August, 2022.
- Methodological procedures for big data analysis in scientific research, IFAD - Scholars and Academics Platform and IFAD Academy, 2nd October, 2022.

Seminars

- The Seminar includes: The theoretical Science And the new Designs regarding the new technologies and techniques, 19-9-2017.
- Ain Shams University seminars from 2016 to 2021.