

CURRICULUM VITAE

GENERAL INFORMATION

Name: Mahmoud
Surname: Mohamed Mohamed Abdel daiem
Gender: Male
Place and date of birth: Zagazig - Egypt, 4th Junary1983
Current profession: Assistant professor at the Civil Engineering Department, Engineering College, Shaqra University, KSA.
Permanence profession: Associate professor at Environmental Engineering Department., Faculty of Engineering, Zagazig University, Egypt.
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RESEARCH INTERESTS:

Preparation and application of carbon materials for treatment of water and wastewater, treatment of polluted water via physical, biological, chemical, advanced oxidation processes and integrated technologies between the different processes, solid waste management and treatment, biomass pellets and its application to produce energy via anaerobic digester or safe combustion, generation of electric power via solar and wind energy systems, climate change, Environmental Impact Assessment, and Life Cycle Assessment.

EDUCATION:

- Post-doctoral researcher at Inorganic Chemistry Department, Granada University (UGR), Granada, Spain, November 2012- to April 2013 and September 2013 to January 2015.
- Ph.D. degree from Civil Eng. Dept., UGR, Granada, Spain, from October 2008 to October 2012. **Ph.D.'s title** *'Integrated technologies based on the use of activated carbon and radiation to remove contaminants present in landfill leachates'* **Excellent with Honor Degree.**
- Diploma of advanced studies (Das) from the Civil Engineering Department, UGR, Granada, Spain, October 2008 to July 2010. Degree's title *'Adsorption of organic micropollutants present in landfill leachate on activated carbon.'* **Excellent with Honor Degree.**
- B.Sc. from Civil Engineering Department, Zagazig University (ZU), Zagazig, Egypt, September 2000 to July 2005. **Very Good with Honor Degree, 8.27/10** (4th among 550 students)

LANGUAGES:

Arabic: Native language
English: (Excellent Reading, Speaking, and Writing)
Spanish: (Very Good Reading, Speaking, and Writing)

ACADEMIC POSITIONS

- Supervisor of *Academic Accreditation Unit* at College of Engineering, **SU**, Dawadmi, KSA, November 2019 to present.
- Vice Head of Civil Engineering Department for Academic Accreditation Affairs at College of Engineering, **SU**, Dawadmi, KSA, June 2019 to June 2020.
- Associate professor at the Environmental Engineering Department, **ZU**, Zagazig, Egypt, October 2018 to present.
- Supervisor of *Research Support Unit* at College of Engineering, **SU**, Dawadmi, KSA, March 2018 to November 2019.
- Assistant professor at the Civil Engineering Department, **SU**, Dawadmi, KSA, December 2017 to present.
- Member of the Higher Committee for Research Equipment Inventory, **ZU**, representative for Faculty of Engineering from June to December 2017
- Coordinator for workshops prepared at the Environmental Engineering Department, **ZU**, Zagazig, Egypt, July 2016 to December 2017
- Assistant professor, part-time, at Faculty of Engineering & Technology, Arab Academy for Science, Technology & Maritime Transport (**AASTMT**), Cairo, Egypt, June to August 2016.
- Reviewer for the following journals:
Alexandria Engineering Journal, Chemical Engineering Journal, Environment International, Biomass and Bioenergy, Journal of Colloid and Interface Science, Journal of Environmental Management, Process Safety and Environmental Protection, Science of the Total Environment
- Coordinator of the scientific research standard at Faculty of Engineering, **ZU**, Zagazig, Egypt, May to August 2013 and September 2015 to November 2017.
- Assistant professor at the Environmental Engineering Department, **ZU**, Zagazig, Egypt, May 2013 to September 2018.
- Assistant lecturer at the Environmental Engineering Department, **ZU**, Zagazig, Egypt 2005 to 2008.

MEMBERSHIP:

- Member of the Engineering Syndicate of Egypt.
- Member of the Spanish Carbon Group GEC (Grupo Español del Carbón)
- Member at Research group "Environmental Technology" under the supervision of **Prof. Montserrat Zamorano Toro** at the School of Engineering, Civil Engineering Department, **UGR**, Granada, Spain, since October 2008 to present.
- Member at Research group "Carbon Materials for Advanced Treatments of Water and Wastewater" under the supervision of **Prof. José Rivera-Utrilla** at the Faculty of Science, Inorganic Chemistry Department, **UGR**, Granada, Spain, since October 2008 to present.
- Participated in staff mobility for teaching from partner counties in the framework of the Erasmus + program **KAI –Agreement Number: 2017-1-RO01-KA107-036041** at Petru Maior, the University of Tirgu Mures (**UTM**) in Romania (**04-10 October 2017**). Contribution ID: 2c04fbf9-56ad-4120-883d-83d78e12f243
- Participated in the EU project under **TEMPUS JEP-31007-2003** programs with Germany and Italy with the title "E-learning system for water and environmental studies" (from December 2005 to August 2007). Trained two times at **ZU**, Zagazig,

Egypt, and the third one was at RWTH Aachen University (AU), Aachen, Germany (July 2007).

- Member at Centre for Environmental Studies and Consultation (CESC), Suez Canal University (SCU), Ismailia, Egypt, 2007 to 2013.
- In collaborate with Faculty of Science, Faculty of Pharmacy, and Engineering School at **UGR, Spain**, Faculty of Science at **SCU, Egypt**, Faculty of Engineering & Technology at **AASTMT, Egypt**, and Faculty of Engineering, **AU, Germany**, Faculty of Engineering, Petru Maior at **UTM, Romania**, and college of Engineering, at **SU, Saudi Arabia**.

EMPLOYMENT HISTORY:

- October 2015 – December 2016: Part-time, **Enviro Civic Company** as Expert in **Environmental Engineering Projects**, Cairo, Egypt.
- January 2007 – July 2008: Part-time, **Enviro Civic Company** as **Environmental Engineer**, Cairo, Egypt.
- December 2005 - October 2006: Part-time, **Pyramids Consultant Engineering** as **Environmental and Civil Engineer**, Zagazig, Egypt.
- July 2005 - December 2005: Part-time, **Consultant for Investigation & Design** as **Civil Engineer**, Cairo, Egypt.

PUBLICATIONS (h. index 9):

1. **Structure- properties relationship in activated carbon synthesized from rice straw for electronic application**, *Mahmoud M. Abdel daiem*, Abdullah A. Alotaibi, Eid M. Alosime, Boubaker Zaidi, Noha Said, Polich Journal of Environmental Studies, 2020, 29 (5), 1-13 (**ISI, IF: 1.186**)
2. **The effects of submerged biofilter on water quality of polluted drains in Egypt**, *Mahmoud M. Abdel Daiem*, Noha Said, Emad H. El-Gohary, Ahmed Hamdi Mansi, Hany F. Abd-Elhamid, International Journal of Civil and Structural Engineering, 2020, 6 (2), 52-55
3. **Rice straw characteristics and its potential energy in Valencia (Spain)**, Noha Said, Montserrat Zamorano Toro, Ahmed Hamdi Mansi, *Mahmoud M. Abdel Daiem*, International Journal of Advancements in Mechanical and Aeronautical Engineering, 2020, 6 (2), 15-19.
4. **Analysis of Energy and Greenhouse Gas Emissions of Rice Straw to Energy Chain in Egypt**, Noha Said, Adel Alblawi, Ibrahim A. Hendy, *Mahmoud M. Abdel Daiem*, Bioresources, 2020, 15 (1), 1510-1520 (**ISI, IF: 1.396**)
5. **Adsorption Mechanism and Modelling of Hydrocarbon Contaminants onto Rice Straw Activated Carbons**, *Mahmoud M. Abdel daiem*, Manuel Sánchez-Polo, Noha Said, Ahmed S. Rashed, Nehal Kamal, Polich Journal of Chemical Technology, 2019, 21 (4), 1-12, (**ISI, IF: 0.975**)
6. **Potential energy from residual biomass of rice straw and sewage sludge in Egypt**, *Mahmoud M. Abdel daiem*, Noha Said, Abdelazim M. Negm, Procedia Manufacturing, 22 (2018) 818–825. (**SJR, IF: 0.313**)
7. **Removal of compounds used as plasticisers and herbicides from water by means of gamma irradiation**, José Rivera-Utrilla, *Mahmoud M. Abdel daiem*, Manuel Sánchez-Polo, Raúl Ocampo-Pérez, Jesús J. López-Peñalver, Inmaculada Velo-Galaa, Antonio J. Mota. Science of the Total Environment, 2016, 9–570, 518–526 (**ISI, IF: 4.90**)

8. **Anaerobic co-digestion of wastewater activated sludge and rice straw in batch and semi-continuous modes**, Nabil N. Atta, Amro A. El-Baz, Noha Said, *Mahmoud M. Abdel daiem*, Journal of Fundamentals of Renewable Energy and Applications, 2016, 6 (2), 01-07 (**Without IF**)
9. **Single, competitive, and dynamic adsorption on activated carbon of compounds used as plasticisers and herbicides**. *Mahmoud M. Abdel daiem*, José Rivera-Utrilla., Raul Ocampo-Pérez., Manuel Sánchez-Polo, Science of the Total Environment, 2015, 537, 335-342 (**ISI, IF: 3.976**)
10. **Influence of densification parameters on quality properties of rice straw pellets**, Noha Said, *Mahmoud M. Abdel daiem*, Angela García-Maravera, Montserrat Zamorano, Fuel Processing Technology, 2015, 138, 56-64 (**ISI, IF: 3.847**)
11. Landfills and Recycling Centers: Processing Systems, Impact on the Environment and Adverse Health Effects, Chapter 4, **Integrated Technologies Based on the use of Activated Carbon and Radiation to Remove Contaminants Present in Landfill Leachates**, R. Ocampo-Perez, J. Rivera-Utrilla, *M. M. Abdel daiem*, M. Sánchez-Polo, Editor Novapublishers, 2015, 69-109. **ISBN: 978-1-63463-824-1 (Book Chapter)**
12. **Reduction of ash sintering precursor components in rice straw by water washing**, Noha Said, *Mahmoud M. Abdel daiem*, Angela García-Maravera, Montserrat Zamorano, Bioresources, 2014, 9 (4), 6756-6764 (**ISI, IF: 1.425**)
13. Sources, Principle Pathways and Mechanisms and Damage/Repair Capabilities, Chapter 10, **Degradation of emerging aromatic micropollutants by UV-based oxidation processes**, M. Sánchez-Polo, J. Rivera-Utrilla, R. Ocampo-Perez, J.J. López-Peñalver, I. Velo-Gala, *M. M. Abdel daiem*, Editor Novapublishers, 2014, 221-250. **ISBN: 978-1-63321-093-6 (Book Chapter)**
14. **Enhancing Wastewater Treatment by Commercial and Native Microbial Inocula with Factorial Design**, Sahar El-Shatoury, Amro Elbaz, *Mahmoud Abdel daiem*, Daa El-Monayeri. Life Science Journal, 2014, 11 (7), 736-742 (**ISI, IF: 1.650**)
15. **Comparative study of the photodegradation of bisphenol A by HO[•], SO₄^{•-} and CO₃^{•-}/HCO₃^{•-} radicals in aqueous phase**, Manuel Sánchez-Polo, *Mahmoud M. Abdel daiem*, Raúl Ocampo-Pérez, José Rivera-Utrilla, Antonio J. Mota. Science of The Total Environment, 2013 463–464, 423-431 (**ISI, IF: 3.163**)
16. **Treatment of water contaminated with Diphenolic acid by gamma radiation in the presence of different compounds**, *Mahmoud M. Abdel daiem*, José Rivera-Utrilla, Raúl Ocampo-Pérez, Manuel Sánchez-Polo, Jesús J. López-Peñalver. Chemical Engineering Journal, 2013, 219, 371–379 (**ISI, IF: 4.058**)
17. **Role of activated carbon in the photocatalytic degradation of 2, 4-Dichlorophenoxyacetic acid by the UV/TiO₂/Activated carbon system**, José Rivera-Utrilla, Manuel Sánchez-Polo, *Mahmoud M. Abdel daiem*, Raúl Ocampo-Pérez. Applied Catalysis B: Environmental, 2012, 126, 100–107 (**ISI, IF: 5.825**)
18. **Modeling adsorption rate of organic micropollutants present in landfill leachates onto granular activated carbon**, Raúl Ocampo-Pérez, *Mahmoud M. Abdel daiem*, José Rivera-Utrilla, *José D. Méndez-Díaz*, Manuel Sánchez-Polo. Journal of Colloid and Interface Science, 2012, 385, 174–182 (**ISI, IF: 3.172**)
19. **Environmental impact of phthalate acid esters and their removal from water and sediments by different technologies - A review**, *Mahmoud M. Abdel daiem*, Raúl Ocampo-Pérez, José Rivera-Utrilla, Manuel Sánchez-Polo, *José D.*

- Méndez-Díaz. Journal of Environmental Management, 2012, 109, 164–178 (ISI, IF: 3.057)
20. **Adsorption/Bioadsorption of Phthalic Acid, an Organic Micropollutant Present in Landfill Leachates, on Activated Carbons**, José D. Méndez-Díaz, Mahmoud M. Abdel daiem, José Rivera-Utrilla, Manuel Sánchez-Polo, Isidora Bautista-Toledo. Journal of Colloid and Interface Science, 2012, 369, 358–365 (ISI, IF: 3.172)
 21. Resume of the PhD thesis was published in Spanish Carbon Group (**Grupo Español del Carbón, GEC**) volume 28, June 2013, <http://www.gecarbon.org/boletin.asp> (Without IF)
 22. **Calibration and simulation of activated sludge model in an arid climate: case study in Egypt**, Ibrahim A. Hendy, Ahmed Abdo, Nabil N. Atta, Amal N. Nasr , Mahmoud M. Abdel daiem, Under review (2019)

SCIENTIFIC CONFERENCE:

1. **Mahmoud M. Abdel Daiem**, Noha Said, Emad H. El-Gohary, Ahmed Hamdi Mansi, Hany F. Abd-Elhamid, *The effects of submerged biofilter on water quality of polluted drains in Egypt*, NINTH INTERNATIONAL CONFERENCE ON ADVANCES IN CIVIL, STRUCTURAL AND MECHANICAL ENGINEERING - CSM 2019” ROME, ITALY, 07-08 DECEMBER, 2019. (Oral, English).
2. Noha Said, Montserrat Zamorano Toro, Ahmed Hamdi Mansi, **Mahmoud M. Abdel Daiem**, *rice straw characteristics and its potential energy in Valencia (Spain)*, NINTH INTERNATIONAL CONFERENCE ON ADVANCES IN CIVIL, STRUCTURAL AND MECHANICAL ENGINEERING - CSM 2019” ROME, ITALY, 07-08 DECEMBER, 2019. (Oral, English).
3. **Mahmoud M. Abdel daiem**, *Renewable energy from residual biomass in Egypt*, Workshop IMHOTEP-HYGRID 2017, Hydrogen energy and fuel cells, Zagazig University, Egypt, November 14-15, 2017. (Oral, English).
4. H. F. Abd-Elhamid, **M. M. Abdel daiem**, E. H. El-Gohary, Z.Abou Elnaga, *Safe reuse of treated wastewater for agriculture in Egypt*, EXCEED-SWINDON EXPERT WORKSHOP, Water Efficient Cities", Marrakesh, Morocco, November 03-08, 2017. (Oral, English).
5. **Mahmoud M. Abdel daiem**, Keynote: *Integrating technologies for removal of contaminants present in landfill leachates*, The 11th International Conference, INTER-ENG 2017, Interdisciplinarity in Engineering, "Petru Maior" University of Tîrgu-Mureş, Tîrgu-Mureş, Romania, October 05-06, 2017. (Oral, English).
6. **Mahmoud M. Abdel daiem**, Noha Said, Abdelazim M. Negm, *Potential energy from residual biomass of rice straw and sewage sludge in Egypt*, The 11th International Conference, INTER-ENG 2017, Interdisciplinarity in Engineering, "Petru Maior" University of Tîrgu-Mureş, Tîrgu-Mureş, Romania, October 05-06, 2017. (Oral, English).
7. **Mahmoud M. Abdel daiem**, Ahmed Farouk AbdelGawad, *Home-Scale Vertical-Axis Wind Turbine for Electricity Generation*, 2nd IUGRC International Undergraduate Research Conference, Military Technical College, Cairo, Egypt, July 24-27, 2017. (Oral, English).
8. **Mahmoud M. Abdel daiem**, Ahmed Farouk AbdelGawad, *Running a Home Water Filter Using Solar Energy*, 2nd IUGRC International Undergraduate Research Conference, Military Technical College, Cairo, Egypt, July 24-27, 2017. (Oral, English).

9. **Mahmoud M. Abdel daiem**, Ahmed Farouk AbdelGawad, *Biogas production from mixing wastewater activated sludge with rice straw, animal manure, or fruits wastes in batch modes*, 2nd IUGRC International Undergraduate Research Conference, Military Technical College, Cairo, Egypt, July 24-27, 2017. (Oral, English)
10. **Mahmoud M. Abdel daiem**, Nabil N. Atta, Amro A. El-Baz, Noha Said, *Anaerobic co-digestion of wastewater activated sludge and rice straw in batch and continuous modes*, TICO. Zagazig University, Zagazig, Egypt (March 20-21, 2017) (Poster, English)
11. **Mahmoud M. Abdel daiem**, Ahmed Farouk AbdelGawad, *Biogas production from mixing wastewater activated sludge with rice straw, animal manure, or fruits wastes in batch modes*, TICO. Zagazig University, Zagazig, Egypt (March 20-21, 2017) (Poster, English)
12. **Mahmoud M. Abdel daiem**, Ahmed Farouk AbdelGawad, *Desalination of water by using the technology of reverse osmosis*, TICO. Zagazig University, Zagazig, Egypt (March 20-21, 2017) (Poster, English)
13. **Mahmoud M. Abdel daiem**, Ahmed Farouk AbdelGawad, *Electric power generation from a vertical wind turbine*, TICO. Zagazig University, Zagazig, Egypt (March 20-21, 2017) (Poster, English)
14. Velo-Gala, J. Rivera-Utrilla, M. Sánchez-Polo, J.J. López-Peñalver, **M.M. Abdel daiem**, R. Ocampo-Pérez, *Papel del carbón activado en la degradación fotocatalítica de contaminantes de las aguas*, XII Reunión Del Grupo Español Del Carbon (GEC). Madrid, Spain, (Octubre 20-23, 2013) (Oral, Spanish)
15. J. Rivera-Utrilla, **M.M. Abdel daiem**, M. Sánchez-Polo, R. Ocampo-Pérez, J. D. Méndez-Díaz, M. I. Bautista-Toledo, *Adsorción/bioadsorción de contaminantes presentes en lixiviados de vertederos sobre carbones activados*, XII Reunión Del Grupo Español Del Carbon (GEC). Madrid, Spain, (Octubre 20-23, 2013) (Poster, Spanish)
16. **Mahmoud M. Abdel daiem**, José Rivera-Utrilla, José D. Méndez-Díaz, Manuel Sánchez-Polo, Isidora Bautista-Toledo, *Adsorption/bioadsorption of pollutants from industrial wastewater onto commercial activated carbons*, 2nd International Conference Sustainable Water Supply & Sanitation. Cairo, Egypt (December 03-05, 2012) (Oral, English).
17. **Mahmoud M. Abdel daiem**, José Rivera-Utrilla, Manuel Sánchez-Polo, Raul Ocampo-Pérez, *Photocatalytic degradation of 2,4-dichlorophenoxyacetic acid in aqueous phase in the presence of TiO₂ and activated carbon*, 2nd International Conference Sustainable Water Supply & Sanitation. Cairo, Egypt (December 03-05, 2012) (Poster, English).
18. R. Ocampo-Pérez, **M.M. Abdel Daiem**, J. Rivera-Utrilla, M. Sánchez-Polo, *Degradation of cytarabine and bisphenol A in aqueous phase by advanced oxidation processes based on ultraviolet radiation*, Integral Water Cycle: Present and Future (ANQUE International Congress of chemical engineering). Sevilla, Spain (June 24-27, 2012) (Poster, English).
19. R. Ocampo-Pérez, **M.M. Abdel Daiem**, J. Rivera-Utrilla, M. Sánchez-Polo, J. J. López-Peñalver, *Degradation of cytarabine and diphenolic acid in aqueous solution by gamma radiation*, Integral Water Cycle: Present and Future (ANQUE International congress of chemical engineering). Sevilla, Spain, (June 24-27, 2012) (Poster, English).

20. J. Rivera-Utrilla, M. Sánchez-Polo, **M.M. Abdel daiem**, R. Ocampo-Pérez., *Enhancement of the catalytic activity of TiO₂ by using activated carbon in the photocatalytic degradation of cytarabine and 2,4-dichlorophenoxyacetic acid in aqueous phase*, The annual world conference on carbon. Krakow, Poland (June 17-22, 2012) (Oral, English).
21. **M.M. Abdel daiem**, J. Rivera-Utrilla, J. D. Méndez-Díaz, M. Sánchez-Polo, M. I. Bautista-Toledo, R. Ocampo-Pérez., *Adsorption of organic micropollutants present in landfill leachates on activated carbons*, The annual world conference on carbon. Krakow, Poland (June 17-22, 2012) (Poster, English).
22. **M.M. Abdel daiem**, J. Rivera-Utrilla, J. D. Méndez-Díaz, M. Sánchez-Polo, M. I. Bautista-Toledo., *Adsorption of phthalic acid, an organic micropollutant present in landfill leachates, on activated carbons*, Xth International Symposium on Environment, Catalysis and Process Engineering (ECGP'10). Fez, Morocco (Abril 24-25, 2012) (Oral, English).
23. **M.M. Abdel daiem**, J. Rivera-Utrilla, M. Sánchez-Polo, R. Ocampo-Pérez., *Enhancement of the catalytic activity of TiO₂ by using activated carbon in the photocatalytic degradation of pharmaceutical and herbicide contaminants*, Xth International Symposium on Environment, Catalysis and Process Engineering (ECGP'10). Fez, Morocco (Abril 24-22012) (Oral, English).
24. **M.M. Abdel daiem**, J. Rivera-Utrilla, M. Sánchez-Polo, *Potenciación de la actividad catalítica del TiO₂ mediante el uso de carbón activado en la degradación fotocatalítica de contaminantes orgánico*, Reunión Del Grupo Español Del Carbón (GEC). Badajoz, Spain, (Octubre 23-26, 2011) (Oral, Spanish).
25. **M.M. Abdel daiem**, J. Rivera-Utrilla, M. Sánchez-Polo, *Eliminación de contaminantes presentes en lixiviados de vertederos urbanos mediante adsorción sobre carbón activado*, Reunión Del Grupo Español Del Carbon (GEC). Badajoz, Spain, (Octubre 23-26, 2011) (Oral, Spanish).
26. J. Rivera-Utrilla, M. Sánchez-Polo, J. D. Méndez-Díaz, **M.M. Abdel Daiem**, M.I. Bautista-Toledo, *Removal of organic micropollutants present in wastewaters and leachates by advanced oxidation processes*, Integral Water Cycle: Present and Future (VII ANQUE International congress). Oviedo, Spain, (June 13-16, 2010) (Oral, Spanish).
27. **M .M. Abdel daiem.**, Méndez-Díaz J.D., Sánchez-Polo M., Rivera-Utrilla J., *Estudio de procesos avanzados de oxidación y adsorción sobre carbonos activados en la eliminación de microcontaminantes orgánicos procedentes de lixiviados*, Reunión del Grupo Español del Carbon (GEC). Gerona, Spain, (May 9-12, 2010) (Oral, Spanish).

HONORS, AWARDS, AND TRAINING:

- Certificate for the **Best Paper Award** in the “Ninth International Conference on Advances in Civil, Structural and Mechanical Engineering - CSM 2019” Rome, Italy, 07-08 December, 2019, paper title: *The effects of submerged biofilter on water quality of polluted drains in Egypt*.
- Certificate of participation as a member of the Higher Committee for Research Equipment Inventory, **ZU, October 2017**
- Dean's Excellence Award for academic accreditation works, **ZU, January 2017**.
- Self-Management **DAAD Cairo, ZU, 23-11-2016**
- How to Present Scientific Paper **DAAD Cairo, ZU, 16-04-2016**

- Deal with changes **DAAD Cairo, ZU, 12-03-2016**
- A prize of international publication from ZU for 2013 to 2016.
- Resume of the Ph.D. thesis published in Spanish Carbon Group (**Grupo Español del Carbón, GEC**) volume **28, June 2013**, <http://www.gecarbon.org/boletin.asp>
- First one of the top 20 Articles, June 2013 "**Who Is Publishing In My Domain**" journal (WiPiMD) in the Domain of Article 22796723, Since (2012) Environmental impact of phthalic acid esters and their removal from water and sediments by different technologies - a review. Abdel daiem et al., 2012 Oct 30;109:164-78.
- **Certificates from SU as a trainer**
 1. "Introductory lecture on Research Support Unit (RSU) " 15/01/2019
 2. "Building and Managing a Research Team and the Success Factors " 03/02/2019
 3. "How to benefit from the Saudi Digital Library " 12/02/2019
 4. "Basics and Skills of Designing Posters and Visual Presentations" 17/02/2019
- **Certificates from SU as a trainee**
 1. "The benefits of Having an online research profile " 10/02/2019
 2. "Plagiarism Checker" 19/02/2019
 3. "Managing references using (EndNote)" 24/02/2019
- **Certificates from ZU as trainee**
 1. "Use of Technology in Teaching" 30-31/12/2012
 2. "Managing Research Teams" 25-26/12/2012
 3. "Research Project Local and Global Competitiveness" 23-24/12/2012
 4. "Strategic Planning" 18-19/12/2012
 5. "Preparation of University Lecturer" 02-12/12/2012
 6. "Financial Affairs in University Environment" 04-07/07/2007
 7. "Effective Communication Skills" 26-28/06/2007
- **Ph.D. Scholarship from Ministry of Science and Innovation, Spain** 2008 to 2012
- **Certificate from EU for E. Learning System, Germany.** 2006 to 2007.
- **Engineering Syndicate, Egypt.** Excellence award for undergraduate students, 2005.
- **Education Syndicate, Egypt,** Excellence award for undergraduate students, 2006.
- **ZU, Egypt.** Excellence award for undergraduate students, 2006.
- **Certificate from Ministry of Water Sources & Irrigation training, Toshka, Egypt,** 2003 and 2004.
- **Certificate from ARDAMAN – ACE Giza, Egypt,** 2004.

TEACHING EXPERIENCE for BSc, MSc, and Ph.D. programs

Undergraduate	Univ.	Postgraduate	Univ.
Surface and Groundwater Hydrology	SU	Water Pollution	ZU
Water and wastewater treatment	SU	Unit operations for Treatment	ZU
Water Supply and Drainage system	SU	Liquid Industrial and Waste Treat.	ZU
Industry and Environment	SU	Advanced Separation Methods.	ZU
Introduction to Environmental Eng.	SU	Renewable Energy Sources	ZU
Water Desalination	SU	Solid Waste Management and	ZU
General Chemistry	SU	Treatment	
Wastewater Treatment	ZU	Environmental Issue and Egyptian	ZU
Water Treatment	ZU	Environmental Law	
Environmental Impact Assessment	ZU	Urban Infrastructure Development	ZU
General Chemistry	ZU	for Sustainability	

Mahmoud M. Abdel daiem, Eng., Das, PhD
Associate Professor at Environmental Engineering Dept.,
Faculty of Engineering, Zagazig University, Egypt

REFEREES

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Assoc. Prof. Noha Said Elhadi, Environmental Engineering Department, Granada University, Spain, 0034662259379, nsaid_2020@ugr.es