



## Curriculum Vitae of Shereen M. Samir Abdel-Hamid

The Egyptian Academy for Engineering and advanced Technology  
(EAE & AT)

### Personal data:

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## EDUCATION

Prof. Dr. September-2020

*[Supreme Council of Universities – Egypt]*

Assoc. Prof. Promotion, March-2015

*[Supreme Council of Universities – Egypt]*

Ph.D. degree in Chemical Engineering, 2007

*[Faculty of Engineering, Alexandria University]*

Master Science in Chemical Engineering

*[Faculty of Engineering, Cairo University]*

Bachelor of Science in Chemical Engineering *[Faculty of Engineering, Cairo University]*

## PROFESSIONAL EXPERIENCE

### 1- [ September 2020- present]

Prof., Department of Chemical Engineering, The Egyptian Academy for Engineering and advanced Technology

### 2- [Feb. 2018 – September 2020]

Assoc. Prof., Department of Chemical Engineering, The Egyptian Academy for Engineering and advanced Technology

**4- [June 2017 – Feb. 2018]**

Assoc. Prof., Department of Chemical Engineering [Higher Technological Institute, Egypt].

**5-[Sep.2015 – June 2017]**

Assoc. Prof., Department of Chemistry, [King Abdulaziz Univ., Saudi Arabia]

**6-[Sep.2012 – Sep 2015]**

Assis. Prof., Department of Chemistry, [King Abdulaziz Univ., Saudi Arabia]

**7-[2007 – 2012]**

Lecturer, Department of Chemical Engineering [Higher Technological Institute, Egypt]

**8- [1997 – 2007]**

Teaching Assistant, Department of Chemical Engineering [Higher Technological Institute, Egypt]

## ACADEMIC POSITIONS

**1. [Jan. 2019- present]**

Head of Chemical Engineering Department, The Egyptian Academy for Engineering and advanced Technology (EAE & AT)

**2. [ Sep. 2015- June 2017]**

Head of the Quality and Development Unit at King Abdulaziz University, Saudi Arabia

**3. [ Sep. 2014- Sep. 2015]**

Deputy Supervisor, Quality and Development Unit, for the academic year 2014-2015

**4. [ Feb. 2020]**

External reviewer for petroleum and petrochemical program faculty of engineering  
Cairo university

**5. [ Sep. 2015- June 2016]**

Head of the Examinations Committee at King Abdulaziz University for the academic year 2015-2016

**6. [ Sep. 2013- June 2017]**

Coordinator of the preparatory year at King Abdulaziz University started from the academic 2013-2014 until the end of the academic year 2016-2017

## COMMITTEE MEMBERSHIP

1. Member of the board of directors of the Egyptian Academy for Engineering and Advanced Technology (Academic year 2021-2022)

2. Member of the Academic Affairs Organizing Committee of the Egyptian Academy for Engineering and Advanced Technology

3. Member of the Quality Committee of the Egyptian Academy for Engineering and

Advanced Technology

4. Member of the Committee for Education and Student Affairs at the Egyptian Academy of Engineering and Advanced Technology
5. Member of the Human Resources Committee of the Egyptian Academy for Engineering and Advanced Technology
6. Member of the preparation committee for the first employment forum at the Egyptian Academy of Engineering and Advanced Technology
7. Member of the Follow-up Committee to implement the preparatory development plans at King Abdulaziz University for the academic year 2016-2017
8. Member of the Academic Accreditation Committee, King Abdulaziz University, for the academic year 2016-2017

## **AWARDS and APPRECIATION CERTIFICATES**

1. 2019, Distinguished Teaching Award from The Egyptian Academy for Engineering and Advanced Technology, Egypt.
2. 2016, The Ideal Employee Award from King Abdul-Aziz University.
3. 2014, Excellence Award in Scientific Research from King Abdul-Aziz University
4. 2012, Excellence Award in Scientific Research from King Abdul-Aziz University

## **SCIENTIFIC RESEARCH ACTIVITIES**

### **1-Associated editor, Journal**

International Journal of Industry & Sustainable Development (IJISD, online ISSN 2682-4000)

### **2-Guest editor in “polymers” journal**

Special Issue "Functional Polymer Composites: Design, Preparation and Applications"

### **3-Master thesis, Supervision**

Sabah M.Farook, “Sustainable production of organic acids from biomass”, chemical Engineering Department, Minia University.(finished)

### **4-Ph.D., Reviewer**

Helwan University, Faculty of Science

### **5- Reviewer, Journal**

- Composites and biodegradable polymers
- Polymers

- International journal of industry and sustainable development
- Membrane
- Port said Engineering Research Journal
- Egyptian journal of chemistry

## PRINCIPAL FUNDED RESEARCH PROJECTS

### PARTICIPATION

#### Investigator

Year	Project number	Support side	Project title
2013	(662- 018-D1434).	Deanship of Scientific Research - King Abdul-Aziz University Kingdom of Saudi Arabia	Effect of Al Ti6grain refiner on morphology, corrosion, and mechanical properties of the commercial purity AA1050 aluminum alloy

#### Co-investigator

Year	Project number	Support side	Project title
2020	1348	Scientific research academy	Manufacturing and characterization of new structural polymer – palm fiber composites and nano composites

### PARTICIPATION IN IN TRAINING COURSES AND WORKSHOPS

Training course/workshop	Place	Participation type
Fulfilling the teaching and learning standard in the program accreditation system	Ain Shams University Training and Development Center	Attendance
Fulfilling the standard for faculty members in the program accreditation system	Ain Shams University Training and Development Center	Attendance
Design & production courses on Moodle	E learning unit of Egyptian academy for engineering and advanced technology	Attendance
Test and evaluation systems	E learning unit of Egyptian academy for engineering and advanced technology	Attendance

International workshop on successful international experience of online education and challenges in light of the COVID -19	Academic center for conference and scientific publishing	Attendance
Teaching for students with special needs	Ain Shams University Training and Development Center	Attendance
Program and Course Specifications and Evaluation of ILOs for Higher Education institution stamped from NAQAA	National Authority for Quality Assurance and Accreditation of Education	Attendance
Self-evaluation for Higher education Institution stamped from NAQAAA	National Authority for Quality Assurance and Accreditation of Education	Attendance
Quality standards in the teaching process	Ain Shams University Training and Development Center	Attendance
Program accreditation system for higher education institutions	Quality Assurance and Accreditation Center, Ain Shams University	Attendance
Training course” how to prepare course Specification and course reports according to the requirements of the National Academic Accreditation Authority	King Abdul-Aziz University Kingdom of Saudi Arabia	Implementation
Electronic exams	Port Said University Training and Development Center	Attendance
Training course” Quality standards and academic accreditation requirements”	King Abdul-Aziz University Kingdom of Saudi Arabia	Implementation
Training course” how to write a research and article project	King Abdul-Aziz University Kingdom of Saudi Arabia	Implementation
Workshop” how to pass personal interview”	King Abdul-Aziz University Kingdom of Saudi Arabia	Implementation
Workshop "preparing the strategic plan "	King Abdul-Aziz University Kingdom of Saudi Arabia	Attendance
Teaching excellence education	King Abdul-Aziz University Kingdom of Saudi Arabia	Attendance

## PUBLICATIONS

### (i) Chapter in Book

- Petroleum Economics and Engineering, 3rd edition, Taylor & Francis, 2014

### (ii) International journals and conferences

1. Elhenawy, Y., Moustafa, G.H., Abdel-Hamid, S.M.S., Bassyouni, M., Elsakka, M.M."Experimental investigation of two novel arrangements of air gap membrane distillation module with heat recovery" Energy Report, 2022, 8, pp. 8563–8573
2. Nagat A Mostafa, Sabah Mohamed Farouk Shereen M S Abdelhamid, Aliaa M Monazie, Optimisation and characterization of bioadsorbent based on barley straw and coconut shell in Journal of Environmental Engineering and Science, November 2021
3. Sabah Mohamed Farouk Shereen M S Abdelhamid, Aliaa M Monazie, Evaluation of Utilizing Sulfonated Barely Straw and Coconut Shell Bio-Adsorbents in Removal of Methylene Blue Dye from Aqueous Solutions In PORT SAID ENGINEERING JOURNAL
4. Asmaa Elrasheedy, Mohammed Rabie, Ahmed El-Shazly, Mohamed Bassyouni, S.M.S. Abdel-Hamid and Marwa F. El Kady "Numerical Investigation of Fabricated MWCNTs/Polystyrene Nanofibrous Membrane for DCMD" Polymers, 2021
5. Mohamed Helmy Abdel-Aziz, Elsayed Zakaria El-Ashtoukhy, Mohamed Bassyouni, Ahmed Farouk Al-Hossainy, Eman M. Fawzay, **shereen M. S. Abdel-Hamid**."DFT and experimental study on adsorption of dyes on activated carbon prepared from appleleaves "Carbon letters 2020.
6. Elhenawy, Y., Hafez, G., **Abdel-Hamid, S.**, Elbany, M." Prediction and assessment of automated lifting system performance for multi-storey parking lots powered by solar energy. Journal of cleaner production 2020 Journal of Cleaner Production Journal of Cleaner Production
7. Sarah Elhady , Mohamed Bassyouni, Ramadan A. Mansour , Medhat H. Elzahar, **Shereen Abdel-Hamid** , Yasser Elhenawy and Mamdou Y. Saleh. Oily wastewater treatment using polyamide thin film composite membrane technology. membranes. 2020
8. Abd-Elmageed, A. A.I.; Al-Hossainy, A. F.; Fawzy, E. M.; Almutlaq, N.; Eid, M. R.; Bourezgui, A.; Abdel-Hamid, S. M. S.; Elsharkawy, N. B.; Zwawi, M.; Abdel-Aziz, M. ; Bassyouni, M. Slimane, A. B.; Zoromba, M. Sh. Synthesis, characterization and DFT molecular modeling of doped poly (para-nitroaniline-co-para-toluidine) thin film for optoelectronic devices applications . optical materials. 2020
9. Abdel-Hamid, S.M.S., Al-Qabandi, O.A., Elminshawy, N.A.S., Mira, H., Elhenawy, Y. Fabrication and characterization of microcellular polyurethane sisal biocomposites molecules. 2019

10. Bassyouni, M., Abdel-Aziz, M.H., Zoromba, M.S., Abdel-Hamid, S.M.S., Drioli, E A review of polymeric nanocomposite membranes for water purification *Journal of Industrial and Engineering Chemistry* 2019
11. Zoromba, M.S., Abdel-Aziz, M.H., Bassyouni, M., El-Ashtoukhy, E.-S.Z., Abdel-Hamid, S.M.S Synthesis of o-aminophenol-m-phenylenediamine copolymer: an eco- friendly approach *Journal of Polymer Research* 2019
12. Bassyouni, M.I., Abdel-Hamid, S.M.S., Abdel-Aziz, M.H., Zoromba, M.S Mechanical and viscoelastic study of functionalized MWCNTs/epoxy/Kevlar composites *Polymer Composites* 2018
13. Abdel-Aziz, M. H., A. F. Al-Hossainy, A. Ibrahim, SA Abd El-Maksoud, M. Sh Zoromba, M. Bassyouni, S. M. S. Abdel-Hamid, A. A. I. Abd-Elmageed, I. A. Elsayed, and O. M. Alqahtani. "Synthesis, characterization and optical properties of multi-walled carbon nanotubes/aniline-o-anthranilic acid copolymer nanocomposite thin films." *Journal of Materials Science: Materials in Electronics* 29, no. 19 (2018): 16702-16714.
14. Bassyouni, M., Imtiaz Ali, and S. M. S. Abdel-Hamid. "Study of thermokinetic properties of graphite micro-platelet-enriched vinyl ester composites." *Journal of Thermal Analysis and Calorimetry* 131, no. 2 (2018): 1055-1065
15. Shereen Abdelhamied MS., Effect of AlTi6 grain refiner on morphology, corrosion and mechanical properties of the commercial purity AA1050 aluminum Alloy." *Metallurgical Research & Technology* 114, no. 3 (2017): 309.
16. Zoromba, M. Sh, S. Alghool, S. M. S. Abdel-Hamid, M. Bassyouni, and M. H. Abdel-Aziz. "Polymerization of aniline derivatives by K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> and production of Cr<sub>2</sub>O<sub>3</sub> nanoparticles." *Polymers for Advanced Technologies* 28, no. 7 (2017): 842-848.
17. Bassyouni, M., Imtiaz Ali, and S. M. S. Abdel-hamid. "Study of thermokinetic Properties of graphite micro-platelet-enriched vinyl ester composites." *Journal of Thermal Analysis and Calorimetry*: 1-11, 2017
18. Bassyouni, Mohamed, Shereen Abdel-Hamid, Mohamed H. Abdel-Aziz, and M. ShZoromba. "Characterization of Vinyl Ester/Jute Fiber BioComposites in the Presence of Multi-Walled Carbon Nanotubes." In *Key Engineering Materials*, vol. 730, pp. 221-225. Trans Tech Publications, 2017.
19. Bassyouni, Mohamed Ismail, Shereen M-S. Abdel-Hamid, Mohamed Helmy Abdel-Aziz, and Mohamed Shafick Zoromba. "Mechanical and viscoelastic study of functionalized MWCNTs/epoxy/Kevlar composites." *Polymer Composites*, 2017.
20. Javaid, Umair, Zaffar M. Khan, M. B. Khan, M. Bassyouni, SM-S. AbdelHamid, M.H. Abdel-Aziz, and Syed W. ul Hasan. "Fabrication and thermomechanical characterization of glass fiber/vinyl ester wind turbine rotor blade." *Composites Part*

- B: Engineering 91 (2016): 257-266.
21. Abdel-Aziz, M. H., M. Bassyouni, S. A. Gutub, E-SZ El-Ashtoukhy, SM-S. Abdel-Hamid, and G. H. Sedahmed. "Removal of cyanide from liquid waste by electrochemical oxidation in a new cell design employing a graphite anode." *Chemical Engineering Communications* 203, no. 8 (2016): 10451052.
  22. S. M. S. Abdehamid Ahmed, "Optimizing the sludge treatment conditions of municipal wastewater", *International Journal of Engineering Trends and Technology (IJETT)*, V28(3),134-139 October 2015. ISSN: 2231-5381.
  23. M. Bassyouni, S. Gutub and Shereen M.S Abdel-hamid. Dissolved solids adsorption of freshwater using synthesized bio-foam composite, *Life Sci J* 2013;10 (2):464-471.
  24. S. M. Abdel-hamid, M. Bassyouni, and H. K. Abdel-Aal Thermodynamic analysis on the role of hydrogen sulfide for non-catalytic partial oxidation (NCPO) of sour natural gas, *British Journal of Engineering and Technology*, Vol. 1, No. 4, pp 18-26, January 2013.
  25. M. Bassyouni, Saud A. Gutub, Umair Javaid, Muhammad Awais, Shafiq urehman S. M.-S Abdel- Hamid , , M.H. Abdel-Aziz, A. Abouel-Kasem, Hani Shafeek, Assessment and Analysis of Wind Power Resource Using Weibull Parameters, *Journal of energy exploration and exploitation*, 2015, v (33), pp 105-122
  26. Hussein Abdel-Aal, M. Bassyouni, Maha Abdelkreem, Shereen AbdelHamid and Khaled Zohdy. Feasibility Study for a Solar-Energy Stand-Alone System: (S.E.S.A.S.). *Journal of Smart Grid and Renewable energy (SRGE)*, 2012.
  27. M. Bassyouni , S. Gutub, Shereen M.-S. Abdel-Hamid. Using CES-Edu in Chemical and Materials Engineering. 4th International Materials Education Symposium 12-13th April 2012 at the University of Cambridge, UK.6
  28. M. Bassyouni, I. Taha, Shereen M.-S. Abdel-hamid and L. Steuernagel "Physico- Mechanical Properties of Chemically Treated Polypropylene Rice Straw bio-Composites". *Journal of Reinforced Plastics and Composites*, March 2012 31: 303-312
  29. M. Bassyouni and Shereen M.S Abdel-hamid. "Synthesis and PhysicoMechanical Characterization of Reinforced Microcellular Polyurethane-Sisal Biocomposites". 33 Australasian Polymer Symposium, in Hobart, Tasmania, Australia from 12-15 February 2012.
  30. Hussein Abdel-Aal, M. Bassyouni, Shereen M.-S. Abdel-Hamid and Maha Abdelkreem, May-2010. Resources of Fossil and Non-Fossil Hydrogen in the Middle East Can Make Fuel Cells an Attractive Choice for Transportation: A Survey Study, 18th World Hydrogen Energy Conference 2010, Essen, Germany.
  31. Tarek Mousa and Shereen M.-S. Abdel-hamid. Mathematical model for biomass yield and biosurfactant production by *Nocardia amarae*, *Journal of new aspects of fluid mechanics, heat transfer and environment*, ISSN: 17924596, ISBN: 978-960-474-215-8 pp. 27-33, 2010.
  32. Maha Abdel-Kreem, M. Bassyouni, Shereen M.-S. Abdel-hamid& Hussein Abdel-Aal, 2009.



- The Role of GTL Technology as an Option to Exploit Natural Gas Resources. *The Open Fuel Cells Journal*, *The Open Fuel Cells Journal*, 2009, 2, 5-10
33. Hussein Abdel-Aal, M. Bassyouni, Shereen M.-S. Abdel-hamid and Maher Soliman, 26-28/2009. On the Non Catalytic Partial Oxidation of Sour Natural Gas (NCPO): Thermodynamic Analysis on the Role of Hydrogen Sulfide World Hydrogen Technologies Convention-, New delhi, India.
  34. Hussein Abdel-Aal, M. Bassyouni and Shereen M.-S. Abdel-hamid, March 2009. Co-production of Hydrogen and Sulfuric Acid from Sour Natural Gas: a Novel Approach. 11th International Mining, Petroleum and Metallurgical Engineering conference & Exhibition.
  35. M. Bassyouni, Taha I., Shereen M.-S. Abdel-hamid and Steuernagel L Effect of Maleic Anhydride Grafted Polypropylene on the Behaviour of Rice Straw Polypropylene Composites. 11th International Mining, Petroleum and Metallurgical Engineering Conference & Exhibition., March 2009
  36. Tarek Mousa and Shereen M.-S. Abdel-hamid. Optimization of cultural conditions for biosurfactant production from *Nocardia amarae*, *Journal of Applied Sciences Research*, 2(11), 2006