



1. Name and Academic Rank: Yasmine Ossama Fouad, Professor, full time

2. Education: Degrees, Discipline, Institution and Date:

- Ph.D., Chemical Engineering, Alexandria University, 2010
- M.Sc., Chemical Engineering, Alexandria University, 2006
- B.Sc., Chemical Engineering, Alexandria University, 2003

3. Academic experience

- Beirut Arab University, September 2023 – present, Professor, full time, Chemical and Petroleum Engineering Department
- Alexandria University, September 2020 – present, Professor, Chemical Engineering Department.
- Beirut Arab University, January 2023—April 2023, Visitor Professor- Chemical and Petroleum Engineering Department
- Beirut Arab University, September 2022—December 2022, Visitor Professor- Chemical and Petroleum Engineering Department
- Beirut Arab University, February 2022—April 2022, Visitor Professor- Chemical and Petroleum Engineering Department
- Beirut Arab University, September 2021—December 2021, Visitor Professor- Chemical and Petroleum Engineering Department
- Beirut Arab University, January 2021—April 2021, Visitor Professor- Chemical and Petroleum Engineering Department
- Beirut Arab University, September 2020—December 2020, Visitor Professor- Chemical and Petroleum Engineering Department
- Beirut Arab University, September 2020—December 2020, Visitor Professor- Chemical and Petroleum Engineering Department
- Alexandria University, 2015-2020, Associate Professor, full time, Chemical Engineering department.
- Alexandria University, 2010-2015, Assistant Professor, full time, Chemical Engineering department
- Alexandria University, 2006-2010, Teaching Assistant, full time, Chemical Engineering department
- Alexandria University, 2003-2006, Demonstrator, full time, Chemical Engineering department

4. Non-academic experience

Member of the technical committee of aluminum and aluminum alloys specifications in LIBNOR (Lebanese Standards Institution), 2021-present.

5. Certification or Professional Registration

- Member of Association of Graduate engineers, Alexandria University
- The Order of Engineers

6. Current membership in Professional Organizations

- AIChE
- SPE



7. Honors and Awards

Graduated with High distinction from Alexandria University, 2003

8. Service activities

- 2023- present Chairperson of the Chemical and Petroleum Engineering department
- Member of the Faculty of engineering council for the academic year 2023-2024
- 2023- present Member of Quality Assurance committee
- 2021- present Member of the schedule and course offering committee
- 2010- present Reviewer in several international journals (Alexandria Engineering Journal, Energy Conversion and Management, Chemical Engineering Journal, Desalination and Water Treatment, Chemical Engineering Research and Design, Environmental Science and pollution research, Egyptian Journal of Chemistry...)

9. Research Interests

- Transport phenomena
- Water and wastewater treatment
- Electrochemistry
- Green corrosion inhibitors
- Biofuels

10. Journal Publications

- 1) Y.O.A. Fouad, A.H. Konsowa, H.A. Farag, G.H. Sedahmed " Performance of an electrocoagulation cell with horizontally oriented electrodes in oil separation compared to a cell with vertical electrodes ", Chem. Eng. J. 145 (2009) 436–440.
- 2) Y.O. Fouad, G. F. Malash, A.A. Zatout and G. H. Sedahmed, "Mass and Heat Transfer at an Array of Vertical Tubes in a Square Stirred Tank Reactor", CHERD 91 (2013) 234–243.
- 3) Y. O. Fouad, –Electrocoagulation of crude oil from oil-in-water emulsions using a rectangular cell with a horizontal aluminum wire gauze anode J DST 34 (2013) 214–221.
- 4) Y. O. Fouad –Separation of cottonseed oil from oil in water emulsions using electrocoagulation technique, AEJ 53 (2014) 199-204.
- 5) N.M. Atef, M.H. Abdel-Aziz, Y.O. Fouad, H.A. Farag, G.H. Sedahmed, –Mass and heat transfer at an array of horizontal cylinders placed at the bottom of a square agitated vessel, CHERD 94 (2015) 449-455
- 6) E-S. Z. El-Ashtoukhy, Yasmine. O. Fouad, Oil Removal from Oil-Water Emulsion by Electrocoagulation in a Cell with Rotating Cylinder Anode Electrochemistry, 82(11) (2014), 974–978
- 7) E-S.Z. El-Ashtoukhy, Y.O.Fouad, Liquid-liquid extraction of methylene blue dye from aqueous solutions using sodium dodecylbenzenesulfonate as an extractant, AEJ, 54 (2015) 77-81
- 8) Ola Abdelwahab, Yasmine Ossama Fouad, Nevine K. Amin, and Hagar Mandor, — Kinetic and Thermodynamic Aspects of Cadmium Adsorption onto Raw and Activated Guava (Psidium Guajava) Leaves, article in press, AIChE - Environmental Progress & Sustainable Energy 34 (2015) 351-358. DOI: 10.1002/ep.11991
- 9) Khaled Habib Ezzat, Yasmine Ossama, Nevin Kamal, Hassan Farag. –Risk assessment for Propane cooler in Natural gas Liquefaction Plant, Accepted, ACES, 5(2) (2015).



- 10) M. M. Gaber, Y. O. Fouad, H. A. Farag and G. H. Sedahmed –Intensification of the Rate of Diffusion Controlled Electrolytic Oxidation of FeSO_4 by Turbulence Promoters in a Stirred Tank Reactor in Relation to Wastewater Treatment, *CHERD* 97(2015) 100-108
- 11) E-S. Z. El-Ashtoukhy & N. K. Amin & Y.O. Fouad, –Treatment of real wastewater produced from Mobil car wash station using electrocoagulation technique, *Environ Monit Assess* (2015) 187:628
- 12) E-S. Z. El-Ashtoukhy, A.A. Mobarak and Y. O. Fouad, –Decolourization of Reactive Blue 19 Dye Effluents by Electrocoagulation in a Batch Recycle New Electrochemical Reactor, *Int. J. Electrochem. Sci.*, 11 (2016) 1883 – 1897
- 13) Taha, M. M., Fouad, Y. O., Abdel-Aziz, M. H., Konsowa, A. H. and Sedahmed, G. H. (2016), Mass and heat transfer behaviour of catalytic and electrochemical stirred tank reactors employing metallic screens lining as a reaction surface. *Can. J. Chem. Eng.*, 94: 1539–1547. doi: 10.1002/cjce.22515
- 14) Kamel, D.A., Farag, H.A., Amin, N.K., Fouad, Y. O., Biodiesel synthesis from non-edible oils by transesterification using the activated carbon as heterogeneous catalyst. *Int. J. Environ. Sci. Technol.* (2017) 14:785–794; doi:10.1007/s13762-016-1184-z
- 15) Abdel Fatah, M. S. Mansour, Y.O. Fouad, –Biodiesel production optimization from waste cooking oil using nano heterogeneous catalyst, *IJCBS*, 9(2016): 33-43
- 16) M.S. Helal, H. A. Farag, M. S. Mansour, Y. O. Fouad, –Experimental study of the diffusion controlled corrosion of copper in the bottom of a jet stirred reactor. *Brazilian J. Chem Eng.* 35 (01) (2018): 101-110.
- 17) A. Magdy, Y.O. Fouad, M.H. Abdel-Aziza, A.H. Konsowa, "Synthesis and characterization of Fe_3O_4 /kaolin magnetic nanocomposite and its application in wastewater treatment". *Journal of Industrial and Engineering Chemistry* 56 (2017) 299–311.
- 18) Dena A. Kamel, Hassan A. Farag, Nevin K. Amin, Ahmed A. Zatout, Yasmine O. Fouad, –Utilization of *Ficus carica* leaves as a heterogeneous catalyst for production of biodiesel from waste cooking oil. *Environmental Science and Pollution Research* (2019) 26:32804–32814
- 19) F. A. Albatati, Y. O. Fouad, M. H. Abdel-Aziz, M. S. E. Abdo, G. H. Sedahmed –Influence of Fe^{3+} Diffusion on the Rate of Corrosion of Carbon Steel Imbedded in Porous Media in Acidic Solutions. *Int. J. Electrochem. Sci.*, 15 (2020) 10751 – 10758
- 20) E-S.Z. El-Ashtoukhy, N.K. Amin, Y.O. Fouad, H.A. Hamad –Intensification of a new electrocoagulation system characterized by minimum energy consumption and maximum removal efficiency of heavy metals from simulated wastewater. *Chemical Engineering & Processing: Process Intensification* 154 (2020) 108026
- 21) F. A. Albatati, Y. O. Fouad, M. H. Abdel-Aziz, M. S. E. Abdo, G. H. Sedahmed –Influence of Fe^{3+} Diffusion on the Rate of Corrosion of Carbon Steel Imbedded in Porous Media in Acidic Solutions. *Int. J. Electrochem. Sci.*, 15 (2020) 10751 – 10758, doi: 10.20964/2020.11.49
- 22) Y. O. Fouad, A. M. Ahmed, M. H. Abdel-Aziz, G. H. Sedahmed –The Role of Mass Transfer in the Rate of Electropolishing of Conical Copper Cavities under Natural Convection. *Surface Engineering and Applied Electrochemistry*, 57(2021), No. 2, 217–221,
- 23) Amira M Elsobki, Yasmine O Fouad, Taghreed M Zewail, Ahmed A Zaatout, Elsayed Z El-Ashtoukhy, Mohamed H Abdel-Aziz, Gomaa H Sedahmed –Solid-Liquid Mass Transfer of an Array of Separated Parallel Corrugated Plates. *Chemical Engineering & Technology*, 45 (2022) No.12, 2195-2202.
- 24) M. A. Ragab, O. Abdelwahab, N. K. Amin, Y. O. Fouad, E-S. Z. El-Ashtoukhy & Mohamed Helmy Abdel-Aziz. Fig and olive leaf extracts as eco-friendly corrosion inhibitors for copper in hydrochloric acid solutions. *Sci Rep* 15, 33749 (2025). <https://doi.org/10.1038/s41598-025-95910-1>