

Information Required For Faculty Website

Personal Photo

Name:	Yasmine Ossama Ahmed Fouad
Title:	Associate Professor
Specialization:	Chemical Engineering
E-mail:	Yasmin.fouad@alexu.edu.eg
Education:	Ph.D in Chemical Engineering, Alexandria University, 2010 M.Sc in Chemical Engineering, Alexandria University, 2006 B.Sc in Chemical Engineering Engineering, Alexandria University, 2003
Teaching Experience:	<ul style="list-style-type: none">• Lecturing & teaching engineering chemistry for the preparatory year students.• Lecturing and teaching general chemistry to the first term students of specialized scientific programs.• Lecturing & teaching History of chemical engineering for the first year students.• Lecturing & teaching fundamentals of chemical engineering to the third term students of the Gas & Petrochemicals Specialized Scientific Program.• Lecturing & teaching environmental engineering for the third year students of the Chemical Engineering department.• Lecturing & teaching kinetics and reactions engineering for the seventh term students of the Gas & Petrochemicals Specialized Scientific Program.• Lecturing & teaching chemical reactions engineering for the third year students of the Chemical Engineering department.• Lecturing & teaching petroleum refining engineering for the final year students in the Chemical Engineering department.• Lecturing & teaching natural gas liquefaction for the final term students of the Gas & Petrochemicals Specialized Scientific Program.

	<ul style="list-style-type: none"> • Tutoring Final year Graduation projects in chemical engineering and environmental science in the Chemical Engineering department. • Tutoring Final year Graduation projects in natural gas and environmental science in the Gas & Petrochemicals Specialized Scientific Program. • Supervising master and PhD thesis.
Research Interests:	Mass Transfer, Electrochemistry, Water Treatment
Honors and Awards:	
Grants:	
Google Scholar:	link
Academic Activities & Committees:	<ul style="list-style-type: none"> • Former Responsible of the quality assurance and accreditation work of the Specialized Scientific Program of Gas & Petrochemicals Engineering. • Former Coordinator between the Quality Assurance Unit and the Chemical Engineering Department • Former member of the Scientific Committee of the Gas and Petrochemicals Specialized Program • Former Secretary of the Chemical Engineering Department Council • Journal Reviewer (Chemical Engineering Journal, Alexandria Engineering Journal, Chemical Engineering Research and Design, Desalination and Water Treatment, Energy Conversion and Management, Clean Technologies and Environmental Policies,..)
Personal Website:	

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yasmin.fouad@alexu.edu.eg	الايمل:
دكتوراه في الهندسة الكيميائية – جامعة الإسكندرية 2010 ماجستير العلوم في الهندسة الكيميائية – جامعة الإسكندرية 2006 بكالوريوس في الهندسة الكيميائية – جامعة الإسكندرية 2003	المؤهلات الدراسية:
الكيمياء الهندسية تاريخ علم الهندسة الكيميائية اساسيات الهندسة الكيميائية هندسة التفاعلات الكيميائية هندسة تكرير البترول اسالة الغاز الطبيعي الديناميكا الحرارية معالجة مياه الصرف	الخبرات التدريسية:
<ol style="list-style-type: none"> 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" JDST 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 (2 0 1 5) 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 FeSO4 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 	الأبحاث:

<p>wash station using electrocoagulation technique”, Environ Monit Assess (2015) 187:628</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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.</p> <p>17) A. Magdy, Y.O. Fouad, M.H. Abdel-Aziza, A.H. Konsowa, "Synthesis and characterization of Fe₃O₄/kaolin magnetic nanocomposite and its application in wastewater treatment". Journal of Industrial and Engineering Chemistry 56 (2017) 299–311.</p>	
	الجوائز:
	المنح:
<p>امين سر مجلس القسم (أغسطس 2010 - يوليو 2011) المنسق السابق لوحدة ضمان الجودة لقسم الهندسه الكيميائيه المنسق السابق لوحدة ضمان الجودة لبرنامج هندسة الغاز و البتروكيماويات عضو سابق فى اللجنة العلمية لبرنامج هندسة الغاز و البتروكيماويات مراجع للعديد من المجالات العلمية المتخصصة</p>	المهام الأكاديمية:
	الموقع الشخصي: