



Basic information		معلومات أساسية
Name: Taher Elsebaey Taher Elfakharany Dept.: Mining and Petroleum Engineering Current Job Title: Associate professor		الاسم: طاهر السباعي طاهر الفخراني القسم: هندسة التعدين والبتترول الوظيفة الحالية: أستاذ مساعد
Date of Birth:	23/03/1977	تاريخ الميلاد:
phone number	01117878244-0225414626	رقم التليفون:
E-mail:	Taher.elfakharany@azhar.edu.eg elfakharany@aucegypt.edu.eg	البريد الإلكتروني:
Academic qualifications		المؤهلات العلمية
Associate prof of Drilling Engineering(2018) PhD degree: Major: Drilling oil and gas wells University – Country – Year Azerbaijan state oil academy – Azerbaijan - 2010 Title: A study and development of advanced technology and techniques of unoriented deviation and distribution wells inclination in cluster.		أستاذ مساعد هندسة حفر ابار البترول والغاز الدكتوراة: هندسة حفر ابار البترول والغاز جامعة – الدولة – عام الحصول اكاديمية النفط – أذربيجان - 2010 عنوان الرسالة باللغة العربية: دراسة وتطوير التكنولوجيا المتقدمة وتقنيات الانحراف غير الموجه وتوزيع الابار المائلة في الكلستر .
Master's degree: Drilling oil and gas wells University – Country – Year AL Azhar University – Egypt - 2005 Title: Cuttings transport in directional wells using stationary drill pipe		الماجستير: هندسة حفر ابار البترول والغاز جامعة – الدولة – عام الحصول الازهر – مصر - 2005 عنوان الرسالة باللغة العربية: نقل كاسورات الحفر في الابار الاتجاهية باستخدام انابيب حفر ثابتة
Bachelor's degree : Major petroleum Engineering University – Year Al-Azhar University – 2000(Excellent with honor degree)		البكالوريوس: التخصص هندسة البترول جامعة – عام الحصول جامعة الازهر – قسم التعدين والبتترول – 2000(ممتاز مع مرتبة الشرف)
Career progression		التدرج الوظيفي
Prof.: d/m/y Ass. Prof.: 27/09/2018 Lecturer: 25/5/2010		أستاذ: يوم/شهر/عام أستاذ مساعد: 2018/9/27 مدرس: 2010/05/25

Ass. Lecturer: 21/7/2005 Demonstrator: 09/12/2001	مدرس مساعد: 2005/7/21 معيد: 2001/12/9
Research interest	الاهتمامات البحثية
Directional and Horizontal drilling- High pressure high temperature wells, Well control – Off shore drilling ,Multilateral wells ,casing design, cementing design, drill string design and drilling fluids	حفر الابار الاتجاهية والافقية – الابار عالية الضغط و عالية الحرارة – الحفر البحري و سوائل الحفر
Scopus Profile	الملف الشخصي على سكوباس
https://www.scopus.com/results/results.uri?numberOfFields=0&src=s&clickedLink=&edit=&editSaveSearch=&origin=searchbasic&authorTab=&affiliationTab=&advancedTab=&scint=1&menu=search&tablin=&searchterm1	
Researchgate Profile	الملف الشخصي على بوابة البحث
https://www.researchgate.net/profile/taher.elfakharany	
Google Scholar Profile	الملف الشخصي على الباحث العلمي من جوجل
Scholarships and funded research projects	المنح العلمية والمشاريع البحثية الممولة
PhD scholarship Azerbaijan state oil academy -2006	
Awards	الجوائز
<p>جائزة حيدر علييف (رئيس الدولة) لطلاب الدكتوراه - المركز الاول عالميا كمشرف على طلاب جمعية مهندسي البترول بالازهر عام 2019 والمركز الثاني 2020 والمركز الاول على مستوى مصر 2020- المركز الاول عالميا عام 2021 One patent (centralizer ,2010)</p>	
Scientific publishing	النشر العلمي
Research articles	مقالات بحثية
<p>1— The Effect of Torque and Drag on the Drill String in Vertical and Directional Wells by Using Drilling Simulator, Mohamed Sobhi Ibrahim Elsayed and Taher Elfakharany, IJSET- international Journal of Innovative Science, Engineering & Technology, Vol,8 Issue 11, November 2021. ISSN(Online)2348-7968- Impact Factor(2020)-6.72.</p> <p>2- The Innovative integration of wellbore Strengthening and Managed- Pressure Drilling Redraw the Line Between Undrillable and Drillable – Case Study from Offshore Mediterranean Deep water. Mahmoud El-husseiny, Taher Elfakharany and Samir Khalid, SPE Annual technical conference and Exhibition held in dubai, UAE, 21-23 September 2021- SPE 206230-MS.</p> <p>3- Comparative study of Managed Pressure Drilling application in deep water gas wells –case study from offshore Eastern Mediterranean of Egypt. Mahmoud El-husseiny, Samir Khalid ,Taher elfakharany and yehia al-Nadi, SPE/IADC Middle East Drilling Technology Conference and exhibition, Abu Dhabi, May 25-27 2021 , paper No 202192-MS-onePetro.</p> <p>4- Well control challenges of shallow gas at Faras field in agiba Petroleum Co. in the Western Desert, Egypt(case</p>	

study.

Emad Eissa, Taher elfakharany and Samir Mohamed,
Petroleum and Coal Journal- May 10,2021.

5- Comparison between Well Control Methods During Oil Well Drilling for Small and Large Open Hole in Egypt Western Desert by Using Drilling Simulator,

Mahmoud Fathi1,2*, Yahia M. Al-Nady1, Taher El-Fakharany*petroleum and coal,2020.

6- Implementation Drilling with Casing ROP Optimization with Multi Regression Mathematical Model in KHALDA co. Fields in the Western Desert, Egypt,

Mostafa Ibrahim1, Taher El Fakharany, Mohamed S. Farhat and Mohamed Maher, petroleum and coal, 29-4 -2020

7-Comparison Study between Drilling with Casing and Conventional Drilling Techniques in the Western Desert Mostafa Ibrahim, Mohamed S. Farhat and Taher El Fakharany, **petroleum and coal**,4-2-2020.

8- A Unique Performance Optimization Methodology Leads to Remarkable Improvement in Drilling Operations (success case history)

(International Advanced Research Journal in Science, Engineering and Technology, Vol. 5, Issue 2, February 2018).

9— Formulating Environmentally Friendly Oil- Base Mud Using Soybean Oil,

Taher El Fakharany, Ahmed Abdel Geliel, Hadir Salhin, International advanced Research Journal in Science, Engineering and Technology, (IARJSET),2017.

10 – Formulating Environmentally Friendly Oil Base Mud Using Jatropha Oil,

Taher El Fakharany, Roshdy Khaled and Amr Mahmoud, International advanced Research Journal in Science, Engineering and Technology, (IARJSET),2017.

11- SYSTEMIC APPROACH TO MINIMIZE STUCK PIPE INCIDENTS IN OIL WELLS,

H. Abd Elsalam, Y. ElNady, T. Elfakharany and A. S. Dahab, Journal of Al-Azhar University, Engineering Sector (JAUES), 2016.

12-- The Extraction Process of Diesel from the Drill Cuttings samples by using a Mixture of Toluene – GPR and Petroleum Ether- AR solvents,

Taher Elfakharany and Tarek M. Aboul-Fotouh, Journal of scientific and Engineering Research, 2016.

13- Enhancing Water Base Mud Properties using Different Nano-materials,

Taher Elfakharany and Ayman Badawy, Journal of Al-Azhar University, Engineering Sector (JAUES), 2015

14-COMPARISON BETWEEN UNDERBALANCE AND CONVENTIONAL OVERBALANCE DRILLING IN THE GULFOF SUEZ USING A DRILLING SIMULATOR .

Taher Elfakharany, International Journal of Advancement in Engineering, Technology and Computer Sciences (IJAETCS), 2014

15-A new approach of the bow spring centralizer with (BHA) in directional wells, Al-Azhar Engineering Eleventh international conference, December 21-23 2010.

16-The technology of preventing collision of deviated wells in cluster under the conditions of continental shelf, Journal of Al-Azhar University Engineering sector, VOL.5, 2010.

17-Investigation works of the bow spring centralizer with (BHA) in directional wells, Journal of Al-Azhar University Engineering sector, VOL.5, 2010.

18-Study work of the elasticity of bow spring centralizer in directional wells, International conference of PhD aspirant, Baku, 2008.

19-Drilling the first horizontal wells in field Kraoakh with setting casing in the horizontal section, Journal ELMI ASASLARI, Baku, 2008.

20-Methods of calculation of (BHA)s with the bow spring centralizer when drilling directional wells, Azerbaijan oil industry Journal ,2008.

21-Effect of Oil Base Mud Properties on cuttings transport in directional wells, the 9th International Mining, Petroleum and Metallurgical Engineering Conference February 21-24, 2005, Cairo University.

Scientific conferences	مؤتمرات علمية
<ol style="list-style-type: none"> 1. Cairo university (2005) 2. Al azhar university (2010) 3. Suez university (2019) 4. 	
<p>Employment:</p> <p>2021 –present: Associate Professor of Petroleum Engineering, Department of Mining and Petroleum Engineering, Faculty of Engineering, AL Azhar University, Egypt.</p> <ul style="list-style-type: none"> • 2017- Assistant Professor of Petroleum Engineering, Department of Petroleum and Energy Engineering, Faculty of Engineering, AUC, Egypt. • 2016- Assistant Professor of Petroleum Engineering, Department of Petroleum Engineering and Gas Technology, Faculty of Engineering, BUE, Egypt. • 2015- 2016, Adjunct Lecturer, Department of Petroleum and Energy Engineering, Faculty of Engineering, AUC, Egypt. • 2014- 2015, Adjunct Lecturer, Department of Petroleum and Energy Engineering, Faculty of Engineering, AUC, Egypt • 2013- 2014, Adjunct Lecturer, Department of Petroleum and Gas Technology Engineering, Faculty of Engineering, BUE, Egypt • 2012- 2013, Adjunct Lecturer, Department of Petroleum and Gas Technology Engineering, Faculty of Engineering, BUE, Egypt. • 2012- 2013, Adjunct Lecturer, Department of Petroleum Engineering, Faculty of Engineering, FUE, Egypt. • 2011- 2012, Adjunct Lecturer, Department of Petroleum Engineering, The Higher institute for Engineering and Technology, Egypt. • 2010-2014, Assistant Professor of Petroleum Engineering , Department of Mining and Petroleum Engineering, Faculty of Engineering, AL Azhar University, Egypt. <p>5.</p>	
<p>Training Courses:</p> <ul style="list-style-type: none"> • Introduction to Drilling fluids, Egyptian international Training center , for Petrobel (Belayem Petroleum Company”, Maadi, Cairo, 2011. • Oil well cementing ,El Dar Al-Arabeyia Training Center for Petrobel (Belayem Petroleum Company”, Dokki, 2011. • Casing Design , El Dar Al-Arabeyia Training Center for GUPCO (Gulf of Suez Petroleum Company”,Dokki ,2011. • Drilling Bit selection, Egyptian international Training center , for Petrobel (Belayem Petroleum Company”,Maadi, 2012. • Drill string design in vertical and directional wells, Egyptian international Training center , for Petrobel (Belayem Petroleum Company”,Maadi, 2012. • Drilling fluids Design , El Dar AlArabeya Training center for Yemen Petroleum Authority-Dokki, 2011. • 2016: Teaching Enhancement Certificate I , The American University in Cairo, Egypt. 	

- 2014: **Research Design Skills**” Quality Assurance & Training Center, Al-Azhar University.

2014: **Student Evaluation**” Quality Assurance & Training Center, Al-Azhar University

- 2014 : ” **Self Institution Assessment**” Quality Assurance & Training Center, Al-Azhar University
- 2014: **Effective Presentation Skills**” Quality Assurance & Training Center, Al-Azhar University
- 2014: **Curriculum Mapping and Course Description**” Quality Assurance & Training Center, Al-Azhar University
-

Teaching:

- Directional drilling.
- Horizontal Drilling wells - Bottom hole assemblies equipment’s and selection.
- Off shore drilling- Multi lateral wells
- Underbalanced drilling technique.
- High pressure high temperature wells (HPHT).
- Casing program - cementing program.
- Drill string program.
- Drilling fluids program
- Well completions
- Drilling problems
- Factors affecting rate of penetration (ROP)