

Target Exploration

Energy Geosciences Research & Development



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28–30 September 2026

5th Edition: AAPG/EAGE Hydrocarbon Seals of the Middle East GTW

Kuwait City, Kuwait

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Workshop Objectives

Traditionally, seal evaluations focused mainly on thickness and its relation to sealing capacity. However, with the discovery of various trapping styles such as stratigraphic, combined structural-stratigraphic, and diagenetic traps, also with the rise of CO₂ storage projects, other factors must be investigated to de-risk seals and assess their effectiveness.

This workshop aims to highlight elements such as rock mineralogy and lithofacies variations, brittle-ductile behavior driven by texture and diagenesis, hydrocarbon phase properties and column height, structural reactivation and tilted fluid contacts, pressure regimes, and field dynamics during production. The workshop will showcase integrated, multidisciplinary techniques and workflows to quantify, predict, and evaluate seal effectiveness through regional case studies. The outcome will enhance collective understanding of hydrocarbon seals and improve CO₂ storage practices in the context of evolving energy demands. The program will feature oral presentations and posters on a wide range of topics, including integration of seismic interpretation, structural evaluation, core analysis, mineralogical and petrophysical characterization, geochemistry, geomechanics, pressure, and production data.

Workshop Themes

- Regional and intraformational seals with field analogues
- Sequence stratigraphy, facies, diagenesis, and their relationship to seal development
- Seal architecture and capacity in carbonate, evaporite, siliciclastic, and mixed sequences
- Static (capillary) and dynamic sealing capacity and hydrocarbon retention
- Integrating petrophysical, rock mechanics, seismic, and engineering data for seal assessment
- Impact of structural geology, geomechanics, and fluid tilting on seal behavior
- Fault seal capacity and implications for fluid flow modeling
- Evaluating seals for carbon capture and storage

Attendees & Benefits

This workshop is designed for geoscientists, petrophysicists, geomechanics specialists, and reservoir engineers involved in seal evaluation and analysis. Attendees will have the opportunity to exchange ideas, share their experiences, learn new techniques, and benefit from a wide range of takeouts including:

- Up-to-date insight into hydrocarbon seals in exploration and production
- Exposure to regional case studies and proven workflows for seal detection and capacity assessment
- An opportunity to network with peers, industry professionals, and academic researchers.

Pricing & Registration

Non-Member \$1,850, Member* \$1,650, Committee/Presenter \$1,550, Young Professional** \$850, Academia \$500, Student (Masters) \$350

Twenty Two Onshore and Offshore Blocks in the 2025 Libyan Bid Round

Libya has several onshore and offshore basins with vast proven and untapped oil and gas reserves and strategically located at the crossroads of global energy trade routes. Libya has a well-established and modern production infrastructure and exporting capabilities; Libya has been and remains a key player in the international oil and gas market. With on-going exploration and development activities this new round is poised to attract new investments and enhance Libya's status as a reliable global oil and gas supplier.

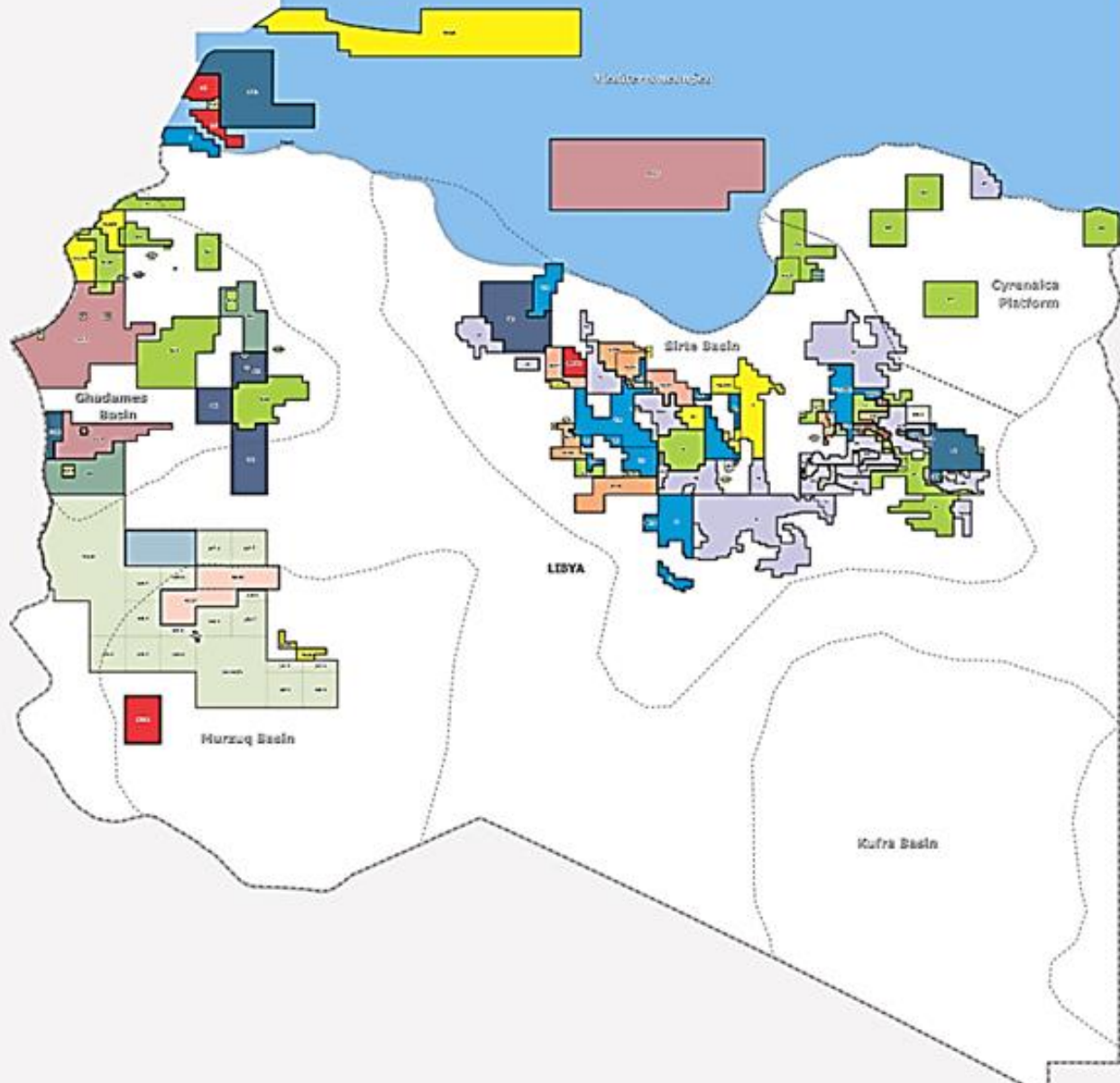
The Libyan Bid Round Road-show in London on 7 April 2025, at the Sheraton Grand Park Lane Hotel.

[For more information](#)

[New Round Summary \(2 Jan 2025\)](#)

[Target's Reports & Data on Libya](#)

Libya Exploration Concessions Map



- Arabian Gulf Oil Company
- ENI / British Petroleum
- ENI North Africa
- OMV
- PGNiG
- Repsol (Remsa)
- Sirte Oil Company
- Sonatrach
- Suncor
- Tatneft
- Total_TEP
- Waha Oil Company
- Wintershall Dea
- Wintershall Libya
- Zellaf

The Libyan Bid Round Road-show in London at the Sheraton Grand Park Lane Hotel on Monday 7 April, 2025.



Pakistan Offshore Bid Round



2025



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GEO LIBYA 4

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والدراسات الجيولوجية

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والطاقة

توطين التكنولوجيا
الجيولوجية الحديثة

دعم التنمية المستدامة
وحماية البيئة

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الدولي

محاور المؤتمر

استكشاف النفط والغاز

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امسح الرمز





برعاية

وزارة النفط

وتحت شعار

جيولوجيا الصحراء العراقية: المعرفة من اجل الموارد المستدامة

تقديم

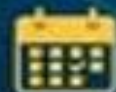
نقابة الجيولوجيين العراقية

بالتعاون مع

قسم الجيولوجيا التطبيقية في جامعة الانبار

المؤتمر الدولي الرابع لجيولوجيا الصحراء العراقية

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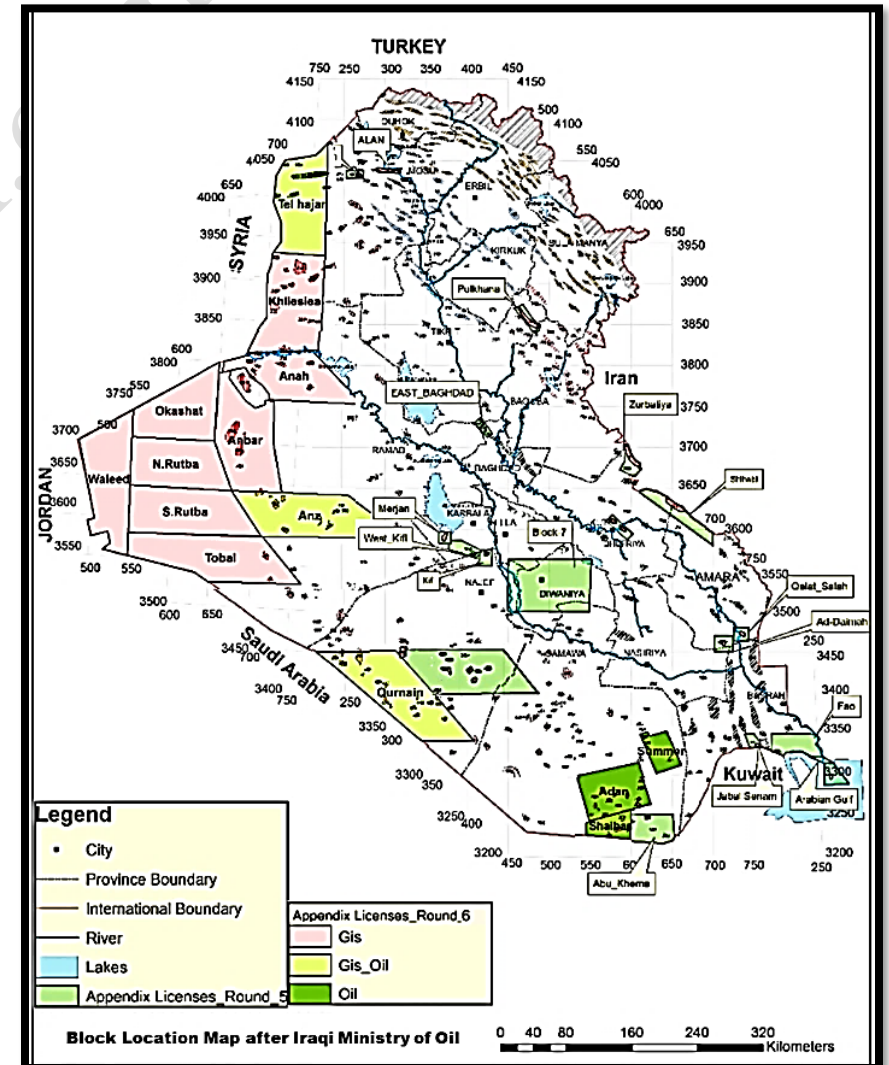


Results of Iraq's 5th, 5^{th+} & 6th Licensing Bid Rounds (11-13/5/2024)

Results of the 5th, 5^{th+} and 6th (First Gas) Licensing Bid Rounds of Iraq were announced on May 11-13, 2024 at the combined 3 bid rounds awards ceremony at the Ministry of Oil in Baghdad. Eleven out of the 14 awarded blocks on offer in the 5th and 5^{th+} Licensing Bid Rounds were awarded to seven mainly Chinese companies: 1. Abu Khaimah Field to Zhenhua Oil, 2. Dima Oil Field to KAR Group, 3. Alan Oil Field to KAR Group, 4. Block 7 to CNOOC, 5. Dhufriyah Oil Field to Anton Oil, 6. Fao Oil Discovery to UEG; 7. Jabal Sanam Oil Field to Geo-Jade, 8. Middle Furat cluster of Oil Fields to Zhongman ZPEC, 9. Northern Extension of East Baghdad Oil Field to Zhongman ZPEC, 10. Sasan (Sarjoon) Oil Field to KAR Group, and 11. Zurbatiya Block to Geo-Jade.

Only 3 out of the 14 blocks on offer in the 6th (First Gas) Licensing Bid Round were awarded to three of bidding companies: 1. Khleisia Block to KAR Group, 2. Quraynain Block to Zhenhua Oil and 3. Block Sumer to Sinopec.

[Click here for analysis of 5th, 5^{th+} and 6th Licensing Bid Rounds of Iraq](#)



New Oil & Gas Discovery in Offshore Kuwait

KUNA (July 14 2024) – Kuwait Oil Company (KOC) announced discovery of huge commercial quantities of light oil and associated [gas](#) at the offshore Al-Nokhatha field, located east of Kuwait's Failaka Island.

The initial estimated area of the field is approximately 96 square Kilometres, marking a significant breakthrough in Kuwait's exploration of hydrocarbon resources in its marine area according to the KOC's statement to KUNA.

The daily production from Al-Nokhatha well is around 2,800 barrels of light oil and 7 million cubic meters of associated gas, KOC explained. Preliminary estimates suggest the hydrocarbon reserves at this well to be about 2.1 billion barrels of light oil and 5.1 trillion standard cubic feet of gas, equal to approximately 3.2 billion barrels of oil equivalent, it said.

These initial findings indicate huge potential to further enhance and increase hydrocarbon resource quantities in various layers and reservoirs within the discovered field, KOC added.

The launch of the current marine exploration project was based on two-dimensional seismic surveys of the area, along with geophysical and geological studies to understand the earth's layers and compositions, identify and secure the best drilling sites, and prepare for logistical operations, KOC mentioned.

KOC revealed that the marine area, representing about one-third of Kuwait's total land area and covering more than 6,000 square kms in the first phase includes drilling six exploratory wells for oil and gas, with subsequent stages to be determined based on the drilling results. The importance of the offshore exploration project as a national endeavour to enhancing Kuwait's hydrocarbon reserves sustainability and meeting global demand, aiming to elevate Kuwait's status as a reliable global oil and gas producer and place it prominently on the regional map of leading offshore operators adhering to international standards. Additionally, the project contributes to developing new technical skills in drilling and offshore production, creating varied employment opportunities for national talents, it pointed out. Based on initial test results, a developmental plan will be established to commence actual production from the field at the earliest opportunity, boosting KOC's production capacity and laying another cornerstone for achieving its 2040 strategy, it indicated. KOC confirmed that this discovery was the result of cohesive collaboration across its sectors, continuous support from Kuwait Petroleum Corporation's (KPC) management, and on-going cooperation with all relevant government entities, paving the way for the successful exploration and investment in oil and gas drilling operations in the area.

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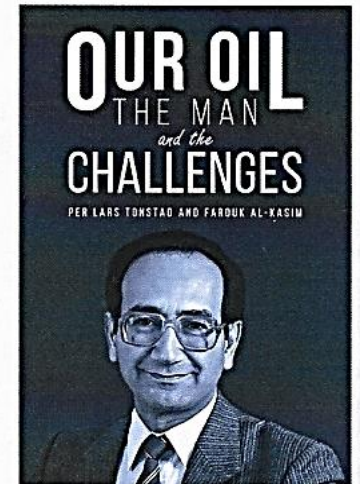
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EB £3.50 9781528965743

Farouk Al-Kasim has been called the "Iraqi who saved Norway from oil", and the "greatest value creator in Norway ever." (Financial Times).

When he was 16 years old, he was sent to London to study geology. He met a girl from Norway, and they married. Under dramatic circumstances the family had to run away from Iraq, and Farouk became the key man in Norwegian oil administration.

He has travelled worldwide to encourage other countries to secure oil and gas for the benefit of the country and its people.



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تلوث بيئة العراق باليورانيوم المنضب



دكتورة سعاد ناجي الحزراوي
استاذة مشاركة في الهندسة البيئية



مكتوبة سعاد ناجي الحزراوي

تلوث بيئة العراق باليورانيوم المنضب



تلوث بيئة العراق باليورانيوم المنضب

يخدم هذا الكتاب نتائج ابحاث البحوث التي تم ايجازها في مجال التلوث البيئي التي نتجت عن استخدام الولايات المتحدة الأمريكية وبمباركتها منظمة اليورانيوم المنضب بشكل مكثف ضد العراق والاسلام والسلم في العراق في ظل من حرب الخليج الاولى عام 1991 وغزو واحتلال العراق عام 2003.

ويطرح الكتاب من خلال اول ابحاثه لمسؤول تكبيرات هذه الحرب على البيئة الطبيعية والحيوية والسكان في العراق نتيجة استخدام مختلف الأسلحة الثلاثة ومن بينها أسلحة اليورانيوم المنضب الانتحارية والذات انفجار هذه المقاتلات الحربية والتسلح بها من مواقع العمليات الحربية التي شهدت المعارك بالسكان وبمخارجها حسم الامداد من خلال المرافقة الجوية والسفينة العراقية وتلك التي تنضم للخطوط الجوية التي تجرد عنها ومنها امسلة منسوبة بالامر من السطحية والفرعية والتسوية المتكيفة واحتلال المجرم السلمي والظلم بين سيطرة السطحية المتكيفة.

وأشير الى عرض اهم الاسباب التي توجب تصدق الزحف البيئي في العراق وينتج عنه من تطور التصنيع وحملات الاحكام والحصار المستمرة من الأبحاث التي جرائت العتد وغيره مما حاصر التأثيرات التي لا زالت مستمرة ونسبة نحو الاموال.



(تقديم لكتاب (تلوث بيئة العراق باليورانيوم المنضب

صدر عن دار نشر الذاكرة في عمان كتاب (تلوث بيئة العراق باليورانيوم المنضب) وتم عرضه في معرض عمان الدولي للكتاب في الاردن بتاريخ 11 تشرين اول 2024 , للباحث الاستاذ

المشارك في الهندية البيئية الدكتورة سعلد ناجي العزاوي

ويقدم هذا الكتاب نتائج اهم البحوث التي تم اجراؤها في مجال التلوث الاشعاعي الذي نتج عن استخدام الولايات المتحدة الامريكية وبريطانيا اسلحة اليورانيوم المنضب بشكل مكثف ضد الانسان والبيئة

في العراق في كل من حرب الخليج الاولى عام 1991 وغزو واحتلال العراق عام 2003

ويتضمن الكتاب من خلال اول ثمان فصول تأثيرات هذه الحروب على البيئة الطبيعية والحضرية والسكان في العراق نتيجة استخدام مختلف الأسلحة الفتاكة ومن ضمنها أسلحة اليورانيوم المنضب

الاشعاعية واليات انتقال هذه الملوثات الخطيرة وانتشارها من مواقع العمليات الحربية الى المدن المأهولة بالسكان ودخولها جسم الانسان من خلال العواصف الترابية والسلسلة الغذائية وكذلك

تقدير المخاطر الصحية التي نتجت عنها ومنها اصابة مئات الالاف بالامراض السرطانية واللوكميا والتشوهات الخلقية وإعتلال الجهاز المناعي والعقم بين سكان المناطق الملوثة

وأخيرا تم في الفصل التاسع والأخير عرض لأهم الأسباب التي أدت لتسارع الزحف الصحراوي في العراق وماتنتج عنه من تدهور اقتصادي وجفاف الاهوار والهجرة المستمرة من الأرياف الى مراكز

المدن وغيرها من التأثيرات التي لازالت مستمرة وتسير نحو الأسوأ مع الأسف

ومؤلف الكتاب الدكتورة سعاد ناجي العزاوي حاصلة على بكالوريوس في الهندسة المدنية من جامعة الموصل و شهادتي الماجستير والدكتوراة من جامعة كولورادو للمناجم في الهندسة الجيوبئية من

الولايات المتحدة الامريكية. عادت للعراق من اميركا في عام 1991 وعملت عضو هيئة تدريسية في كلية الهندسة في جامعة بغداد ثم مؤسس ورئيسة قسم الهندسة البيئية للدراسات العليا في جامعة

بغداد , وكذلك رئيسة لجنة استحداث كلية هندسة الخوارزمي في كلية الهندسة جامعة بغداد عام 2001 واول امرأة عميدة لكلية هندسة في العراق

اشرفت الدكتورة سعاد ناجي العزاوي على انجاز 24 اطروحة ماجستير ودكتوراة في الهندسة البيئية في مواضيع التلوث الصناعي والاشعاعي ونمذجة انتقال الملوثات في المياه الجوفية والسطحية.

ونشرت أكثر من 50 بحثا ودراسة فنية تخصصية في مواضيع التلوث الاشعاعي والصناعي والمياه والتربة في العراق ومنها التلوث باسلحة اليورانيوم المنضب الذي استخدمته اميركا ضد البيئة

. والسكان جنوب العراق واثبتت مع ثلاث فرق بحثية اخرى بالقياسات الموقعية والمختبرية وجود التلوث في المناطق السكنية غرب البصرة

حازت جوائز علمية عديدة في داخل العراق وخارجه منها جائزة (Nuclear Free Future Award)

العلمية من جامعة (Von Tyle Geophysics Awards) في ميونخ بألمانيا في أكتوبر عام 2003. كذلك حاصلة على جائزتي (Franz Moll) من المؤسسة العلمية العالمية

كولورادو للمناجم في اميركا عامي 1989, 1990. وجوائز مجلس الوزراء في العراق للملاكات العلمية المتميزة بالبحوث لثلاث سنوات متتالية للاعوام 1998, 1999, 2000. ولديها براءتي

اختراع مشتركة في التقنيات المتقدمة لإزالة الملوثات الصناعية الخطرة في العراق . غادرت العراق نتيجة استهداف حياتها بسبب طبيعة بحوثها وخطف اولادها بعد احتلال العراق عام 2003

وعملت في عدة دول عربية خارج العراق بعد رفضها الرجوع لاميركا بطلب من استاذها المشرف في الجامعة التي تخرجت منها. ومع كل هذه المعاناة شاركت في اكثر من 20 مؤتمر دولي بعد

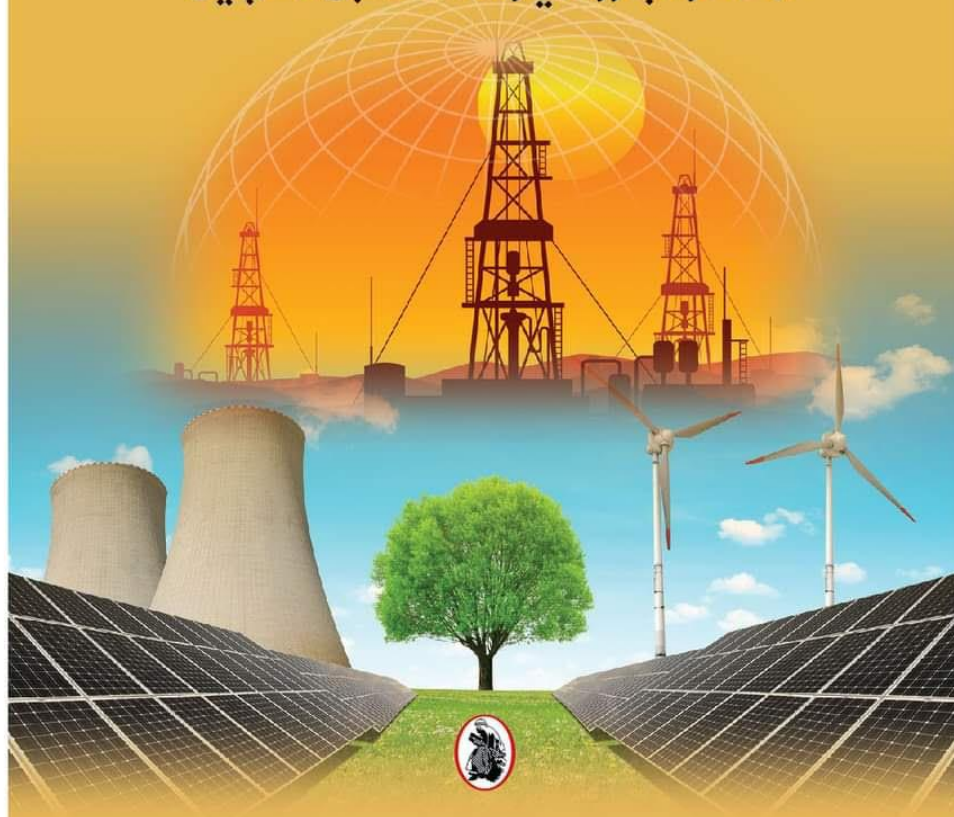
الاحتلال تلقي بحوثها و تدافع عن حقوق البيئة والسكان في العراق والمطالبة بالتعويضات ومساهمة المجتمع الدولي بتنظيف بيئة العراق من التلوث الاشعاعي

W A L I D K H A D D U R I



د. وليد خدوري

الطاقة الأحفورية والمستدامة الحاضر البترولي والمستقبل الهجين



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ENERGY: FOSSIL, SUSTAINABLE
PRESENTLY - PETROLEUM, FUTURE - HYBRID



د. وليد خدوري

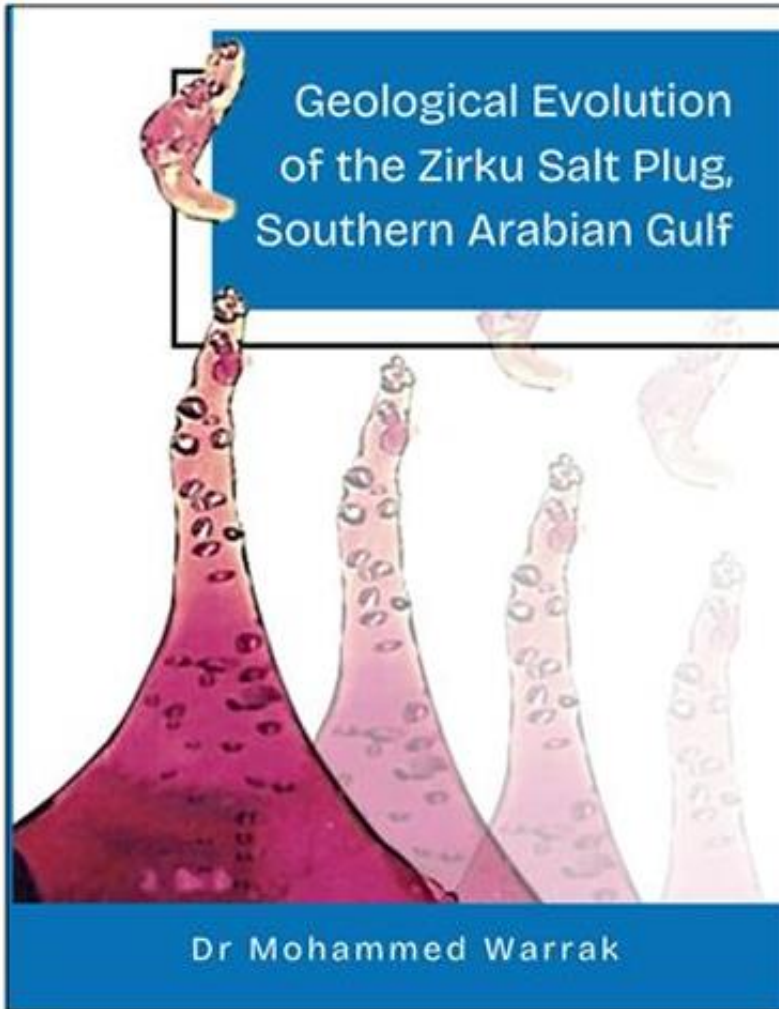
الطاقة الأحفورية والمستدامة الحاضر البترولي والمستقبل الهجين

يبحث الكتاب في الجوانب الجيوستراتيجية للنفط خلال القرن العشرين، بالذات ما يتعلق منها بالأقطار العربية والأسباب وراء الاعتماد المتزايد لاستهلاك النفط عالمياً. ويتطرق الكتاب أيضاً إلى التطورات التاريخية الجارية في قطاع الطاقة، والجهود لمكافحة تغير المناخ، وما يترتب عليها من استعمال طاقات متعددة لزيادة الاستهلاك العالمي للطاقة. وكيف أن تجرّبي الجائحة كوفيد - 19 والغزو الروسي لأوكرانيا قد برهننا على ضرورة الاعتماد على الطاقات الهجينة من الأحفورية والمستدامة.



Geological Evolution of the Zirku Salt Plug, Southern Arabian Gulf

Paperback – 10 May 2025 by Dr Mohammed Warrak (Author)



The Zirku salt plug is unique amongst the other ten emergent salt plugs in the southern Arabian Gulf, as it is the only salt plug where the exotic sedimentary and igneous rocks exposed in its core, the 'Hormuz Series', constitute a coherent succession formed of mappable lithological units. Its rugged topography (the highest peak reaches 163 m) and deep valleys exposes rock sections that enabled the establishment of a lithological succession of the Hormuz Series which are overlying a gypsum mélange.

This could not be done in the other salt plugs of the southern Arabian Gulf due to their level of erosion reaching the gypsum mélange. This book is written to document the field data that has been collected during detailed geological mapping of the Zirku salt plug. This task became an urgent necessity after 2014, when a large part of the Zirku core was flattened to make room for the installation of oil company facilities, thus removing for ever, important geological features unique to the salt plug of Zirku.



Mohammed Warrak, PhD, Field, Structural and Geological Mapping Consultant. Dr. Mohammed Warrak is a Consultant Geologist based in the UK associated with Target Exploration Consultants. He has a B.Sc. Honours degree in Geology from the University of Liverpool, M.Sc. and D.I.C. in Petroleum Geology (with a Mark of Distinction) from the Imperial College, University of London and Ph.D. degree in Structural Geology, from the Imperial College, University of London. His PhD degree involved studying an area of great structural complexity in the Western Alps of France. He is a well-established researcher and teacher of Earth Sciences with detailed knowledge of the Geology of the UAE. He taught Geology at the UAE University for 16 years, Kuwait University for one year and the Open University (UK) for 9 years. The results of his research include scientific papers and six geological map sheets of some of the most important and geologically critical regions of the Northern Oman Mountains. He was a team member and consultant to the British Geological Survey (UAE Project, 2002-2006) mapping the mountains of the Northern Emirates of the UAE and the Al Ain area. He also carried out consultations to the Government of the UAE, and many oil companies both in the UAE and abroad, including Abu Dhabi National Oil Company (ADNOC) / OMV. He was a resident consultant and 'Geological Studies Project Manager' to the UAE Supreme Petroleum Council and ADNOC from 2011-2013, where he mapped some of the emergent salt plugs of the UAE (including Zirku), as well as the islands and seafloor of the western offshore region of Abu Dhabi. Dr Warrak has a long list of publications including his famous 1974 paper "The petrography and origin of dedolomitized, veined or brecciated carbonate rocks, the 'cornieules', in the Fréjus region, French Alps" that was published at the Journal of the Geological Society, June 1974, v. 130, PP. 229-245; and his book "Geological Evolution of the Zirku Salt Plug, Southern Arabian Gulf" that has been published by Amazon in 2025.

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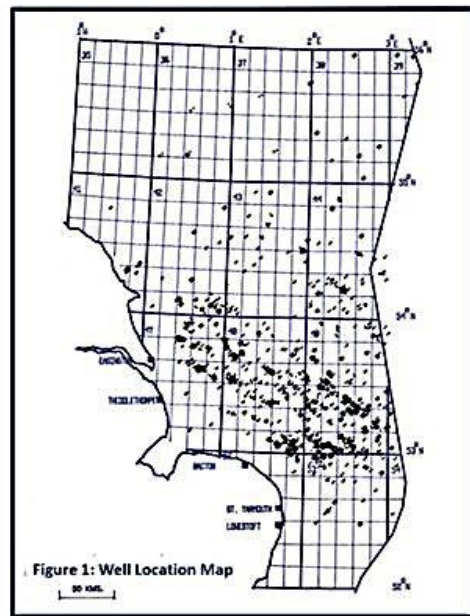
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Target Exploration's News, Projects, Reports, Conferences, Courses, Field Trips and Publications

Target Exploration

Energy Geosciences Research & Development

On the 07th of October 2022 The North Sea Transition Authority (NSTA) launched the 33rd Offshore Oil and Gas Licensing Round. 898 blocks & part-blocks available



Geothermal Gradients and Geothermal Gradients' Anomalies of Hydrocarbon Entrapment, UKCS Quadrants 35, 36, 37, 38, 39, 41, 42, 43, 44, 47, 48, 49, 50, 52, 53 & 54 of

The Southern North Sea

Target Exploration Report Tar 8

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The NSTA has identified 4 priority cluster areas in the Southern North Sea - and will seek to license these ahead of others. Applicants will be encouraged to bid for these 4 cluster areas so they can go into production as soon as possible.

The Demise of Mesopotamia: The Geopolitics of Water Wars and Desertification of Iraq. By Prof Souad Al-Azzawi. 2022

Water War: Iraq to Take Iran to Court for 42 Years of Blocking and Diverting Its Cross border Rivers.

Reasons for the Increase in Dangerous Sand & Dust Storms in Iraq, Iran, Jordan, Kuwait, KSA & Syria

The Paris Agreement (2015): Governments Agree on Combating Global Climate Changes.

The Florence Declaration (2017): Governments Adopt and Agree to Work Closer to Advance Geothermal Energy

“Geothermal energy, potentially the largest source of energy” Al Gore (Our Choice) 2009

Arabian Energy Resources for Net Zero World: MENA 2022 Oil & Gas Conference, I.C. London, UK, and 20 Sept. 2022

Forget Fusion: The Future Of Energy Is Already Here Beneath Our Feet!

Developing Offshore Geothermal Energy in Iceland

27 Maps that Explain the Crisis in Iraq: Andrew Tanner

Living and Working At 70 °C in Iraq: 20/07/2021 (VID)

The Hard Truth about Realistic Energy Transition: Mike Lakin, 8 Dec. 2021

Britain Is In Denial about the Catastrophic Consequences of Brexit: Umair Haque, 2021

Arab Winter: Oil, Wealth and Declining Science. By Prof. Muawia Barazangi, 2013 (VID)

MENA 2022 Oil and Gas Conference?

To correlate Arabian countries' exploration, development, production and supply against local and global demands on Arabian oil, gas and energy resources in climatically changing and increasingly decarbonised world. For presented abstracts, papers and posters at *MENA 2022 Oil & Gas Conference* (the 13th Middle East and North Africa Oil & Gas Conference) at the Imperial College, London, UK. On 20/09/2022 visit: <https://www.targetexploration.com/mena22.pdf>.

Grand corruption in the regulation of oil, by Farouk Al-Kasim, Tina Søreide, Aled Williams

Water Projects by Turkey and Iran: The Impacts on the Right of Iraq to Access Equitable Share of Water, by Hiwa Rashid, Asmar Abdul Rahim, Haslinda Mohd Anuar

Winter On Mars: JPL-NASA 2022 (VID)



[A session in our course TarC-3: Petroleum Geology and Typical Fields of the Sultanate of Oman.](#)



[A stop in our Fieldtrip TarT-3: Al-Jabal Al-Akhdhar: A Window to Mesozoic Petroleum Systems of the Middle East, Muscat, Oman.](#)

2022 Conference Papers and Presentations

1. **Al-Kubaisi, B. (2022)** Basin analysis of the Middle - Upper Jurassic succession, northern Iraq. ([MENA 2022](#))
2. **Al-Kubaisi, B. (2022)** Quantitative evaluation of generated and migrated oil of the Middle - Upper Jurassic succession, northern Iraq. ([MENA 2022](#))
3. **Ibraheem, E.K. (2022)** Sources of CO₂ and greenhouse gases emissions in Iraq: Commitments and steps to reduce these gases to near zero. ([MENA 2022](#))
4. **Ibraheem, E.K. (2022)** The gas industry in Iraq: An overview of reserves, requirements and challenges. ([MENA 2022](#))
5. **Ibrahim, MW. (2022)** Disputed Arabian economic borders in E. Mediterranean, Iraq and the Arabian Gulf. ([MENA 2022](#))
6. **Ibrahim, MW. (2022)** Drop or develop Arabian giant oilfields in the crossover to net zero? The case of Iraq. ([MENA 2022](#))
7. **Ibrahim, MW. (2022)** Geological perspective of global climatic and sea level changes. ([MENA 2022](#))
8. **Ibrahim, MW. (2022)** New risks for offshore Arabian energy operations: The Suez Canal Ever-given case. ([MENA 2022](#))
9. **Ibrahim, MW. (2022)** Recent global climatic and sea level changes: An update. ([MENA 2022](#))
10. **Warrak, M. (2022)** What is the future of Arab oil and gas by 2050 in a zero-emission world? ([MENA 2022](#))



2021 Conference Papers and Presentations

1. **Ibrahim, MW and L. Dumont (2021)** New: Middle East Special Interest Group, June 2021 PESGB Mag. p.12. [IBRAHIM 2021A](#)
2. **Ibrahim, MW and MH Al-Azzawi, (2021)** Obituary: Adnan Samarrai (1934-2021). AAPG Bull. V.105, N.10 (Oct. 2021), pp.2125-2126. [IBRAHIM 2021B](#)
3. **Ibrahim, MW. and B. Al-Kubaisi (2021)** Ramifications of Saudi Aramco's new Lower Paleozoic discoveries on the prospectivity of Lower Paleozoic play fairways of Iraq, Jordan and Syria. [Extended Abstract]. The 2nd Conference of Iraqi Deserts, organised by the Geology Department of Al-Anbar University, Al-Anbar, Iraq.13-15 October 2021, Abstracts Book, 232p. pp.164-168. [IBRAHIM 2021C](#)



2020 Papers and Presentations

1. **Ibrahim, MW. (2020)** Regional Upshots of Aramco's New (2020) Paleozoic Discoveries in Saudi Arabia, Petroleum Exploration Society of Great Britain, December 2020 PESGB Magazine, pp. 25-26. [IBRAHIM 2020](#)

2019 Conference Papers and Presentations

1. **Ibrahim, MW. (2019)** Extended Abstract, Geologic, Seismic, Climatic and Oil Production Controls on Hydrocarbon Seepages at Al-Ahmadi Town, South-eastern Kuwait. AAPG Hedberg Research Conference, Hydrocarbon Microseepage: Recent Advances, New Applications, and Remaining



Challenges, 18-20 June 2019, Houston, Texas. USA. [IBRAHIM 2019A](#)

2. Ibrahim, MW. (2019) Petroleum Systems, Exploration Plays and Typical Fields of Offshore Kuwait. Abstract and [ppp] in MENA 2019 Oil and Gas Conference (The Gulf), the 12th Middle East and North Africa Oil and Gas Conference, 18-19 Sep. 2019, organised by Target Exploration at the Imperial College, London, UK., 54P. and one PDF CD. [MENA 2019B](#)

3. Ibrahim, MW. (2019) Petroleum Systems, Exploration Plays of Offshore Iraq. Abstract and [ppp] in MENA 2019 Oil and Gas Conference (The Gulf), the 12th Middle East and North Africa Oil and Gas Conference, 18-19 Sep. 2019, organised by Target Exploration at the Imperial College, London, UK., 54P and one PDF CD. [MENA 2019C](#)

4. Ibrahim, MW. (2019) Petroleum Exploration, Development and Production Implications of Structural Evolution of On-and Off-shore Kuwait. Abstract and [ppp] in MENA 2019 Oil and Gas Conference (The Gulf), the 12th Middle East and North Africa Oil and Gas Conference, 18-19 Sep. 2019, organised by Target Exploration at the Imperial College, London, UK., 54P and one PDF CD. [MENA 2019D](#)

5. Ibrahim, MW, G. Reeh and B. Al Kubaisi (2019) Contribution of Volcanics to Hydrocarbon Production of Fractured Reservoirs of Libya: A Review. Poster Abstract, p.122, in Abstract Volume of Africa E&P Conference, Organised by the PESGB at the Kensington Olympia, London, UK. 1-2 October 2019, 176p.



6. **Ibrahim, MW. (2019)** Geologic, Seismic, Climatic and Oil Production Controls on Hydrocarbon Seepages at Al-Ahmadi Town, South-Eastern Kuwait. SPE Extended Abstract No. 198151, Kuwait Oil & Gas Show and Conference, 13-16 October 2019, organised by SPE at Kuwait International Fair, Mishrif, Kuwait. [IBRAHIM 2019F](#)

7. **Ibrahim, MW and T. Christoffersen (2019)** Petroleum Systems and Exploration Plays of Offshore Kuwait. SPE Paper No. 198081, Kuwait Oil & Gas Show and Conference, 13-16 October 2019, organised by SPE at Kuwait International Fair, Mishrif, Kuwait. 11p. [Ibrahim & Christoffersen 2019](#)

2018 Conference Papers and Presentations

1. **Trond Christoffersen⁽¹⁾, Katerina Krylova⁽²⁾, Howard Davies⁽³⁾,**

Muhammad W. Ibrahim⁽⁴⁾(2018) Re-imaging extensive regional offshore seismic survey and database is stimulating a new offshore exploration cycle in the Middle Eastern Gulf countries. [Abstract], New Advances In Quantitative Seismic Reservoir Characterization, SEG/DGS Workshop, 4-5 March 2018, Manama, Bahrain.

2. **Ibrahim, MW and B. Al-Kubaisi (2018)** Geothermal gradient anomalies of hydrocarbon entrapment at Southern North Sea basin, UKCS: a mature basin rejuvenation technique. 13:55, 6/3/2018, Room 2, Session7: Exploration Technology. Geo 2018 Conference and Exhibition, 5-8 March 2018, Manama, Bahrain.



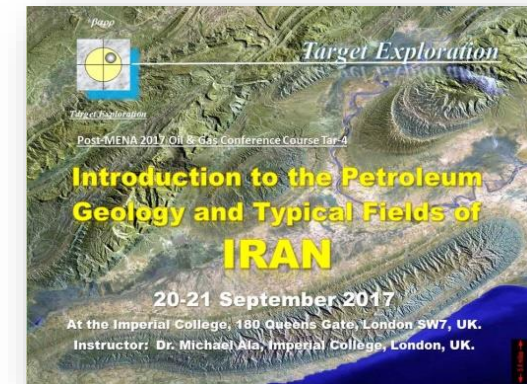
[3. Ibrahim, MW and G. Reeh, \(2018\) Geothermal gradient anomalies of hydrocarbon entrapment at central Sirte basin, Libya: a mature basin rejuvenation technique.15:35, 6/3/2018, Room 6, Session 17: Non-Seismic Case Studies. Geo 2018 Conference and Exhibition, 5-8 March 2018, Manama, Bahrain.](#)

2017 Courses

- [Introduction to Petroleum Geology and Typical Fields of Iran: London 20-21 September 2017](#)
- [Introduction to Petroleum Geology and Typical Fields of Oman: Muscat, Oman 16-18 May 2017](#)

2017 Conference Papers and Presentations

MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA2017 Oil & Gas Conference](#)



1. **Ibrahim, MW. (2017B)** Using geothermal gradient anomalies of hydrocarbon entrapment in rejuvenating mature basins and identifying missed and bypassed traps, 1P Abstract, Geothermal Cross Over Technology Workshop. Organised by AAPG Europe Section, Collingwood College; Durham University, UK. 25th - 26th April 2017. **IBRAHM 2017B**
2. **Ibrahim, MW. (2017C)** Geothermal gradient anomalies of hydrocarbon entrapment of central Sirte Basin, Libya: a mature basin rejuvenation technique, Pp.152-153 extended abstract, Abstracts volume, 16th African conference, organised by the PESGB at Business Design Centre, London, UK. on 31 August-1 September 2017. 172p. **IBRAHIM 2017C**
3. **Reeh, G., T. Reston, T. Aïfa and M. Ibrahim. (2017D)** Periclinal folding, faulting, relation to shearing: Sabratah Basin west offshore Libya, Extended abstract , Abstract volume, 16th African conference, organised by the PESGB at Business Design Centre, London, UK. on 31 August-1 September 2017. 172p. **REEH 2017D**
4. **Ibrahim, MW. (2017E)** Geological perspectives of global climatic and sea level changes. Abstract and [ppp] in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. **MENA 2017**
5. **Ibrahim, MW. (2017F)** Offshore Iraq: Petroleum systems and exploration plays of a frontier area in the Arabian Gulf. Abstract and [ppp] in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. **MENA 2017**
6. **Ibrahim, MW. (2017G)** Application of compensated geothermal gradients (CGG-ESTI[®]) method in mature basins rejuvenation and prospects

Geothermal Cross-Over Technology Workshop: AAPG

25-26 April 2017, Durham University, Durham, U.K.



- generation. Abstract and [ppp] in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
7. **Ibrahim, MW. (2017H)** Geological review of hydrocarbon seepages in Ahmadi, Kuwait. Abstract and [ppp] in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
 8. **Ibrahim, MW. (2017I)** Global climatic and sea level changes: IRAQ as an example. Abstract of standby paper in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
 9. **Ibrahim, MW. (2017J)** Global climate and sea level changes: USA as an example. Abstract of standby paper in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
 10. **Ibrahim, MW. (2017K)** Impact of sand and dust storms on the feasibility, efficiency and sustainability of solar energy projects in MENA: the Kuwait case. Abstract of standby paper in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
 11. **Reeh, Giuma¹, Dr. David Boote² and Dr. T. Reston (2017L)**, Subsidence history of Sabratah Basin, North African margin, (Abstract), in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
 12. **Warrak, M. (2017M)** Future energy perspective for the UAE, in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and

one PDF CD. [MENA 2017](#)

13. **Warrak, M. (2017N)** Late Quaternary diapirism in the southern Arabian Gulf: the Zirku salt plug. in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11th Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)

2017 HSE Paper

14. **Ibrahim, MW (2017A)**. Geological Review of Gas Seepages at Ahmadi, Kuwait, 2nd Kuwait International HSE Conference and Exhibition, 15-16 Feb. 2017, Regency Hotel, Kuwait. Kuwait Petroleum Corp.

Pre-2017 Papers/Presentations

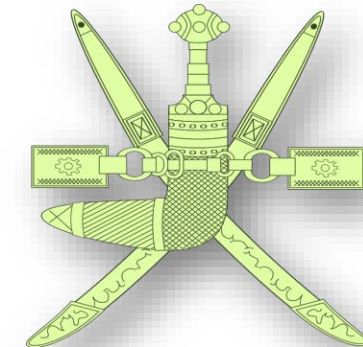
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المحترمون

تثميناً لجهودكم ومشاركاتكم الفاعلة في بحثكم الموسوم

Ramifications of Saudi Aramco's new Lower Paleozoic discoveries on the prospectivity of
Lower Paleozoic play fairways of Iraq

في اثناء المؤتمر العلمي الثاني لجيولوجيا الصحراء العراقية المنعقد للفترة من 2021/10/15-13 على رحاب جامعة الانبار يطيب لنا ان نتقدم لكم
بوافر الامتنان آملين التواصل العلمي خدمة للحركة العلمية في العراق العزيز .

أ.د. محمد عبد الرحمن محمد صالح

صيد كلية العلوم / جامعة الانبار / المشرف العام

أ.د. محمد صالح فياض

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