



السيرة الذاتية المختصرة للدكتور حسن سالم حسن سولم

Hassan Salem Hassan Swalem

الخبرة المهنية

- تخطيط و ترسيم تواجد خزانات النفط و الغاز بشمال افريقيا
- تقديم بحث شامل إلى الجمعية العالمية الأمريكية لمستكشفي النفط عن أنواع النفط و أماكن تواجده في ليبيا 2010, دنفر كالورادو بامريكا.
- دراسة التلوث البحري في الشواطئ الليبية
- الاشراف على العديد من الطلبة لنيل درجة البكالوريوس و الماجستيرز
- دراسة مشكلة تواجد النفط الثقيل بشرق البرازيل مع شركة هس الامريكية بولاية تكساس عام 2008.
- تخصص دقيق في البيئة الرسوبية القديمة
- دراسة لتطوير إنتاج النفط بحقل ايلون بغينيا الاستوائية مع شركة هس الامريكية بولاية تكساس عام 2009.
- دراسة مشتركة مع البروفسور كريستوفر كيندال للصخور المولدة للبتترول في ولاية لوزيانا بخليج المكسيك بأمريكا مقدمة لشركة شيسبيك بأوكلاهوما .
- التعاقد و العمل مع شركة البي بي البريطانية لاستكشاف النفط في الساحل الشمالي لليبيا من سبتمبر 2010 إلى 2016 في المكتب الرئيسي بلندن
- دراسة تواجد النفط و الغاز بالساحل الغربي لافريقيا (انجولا و نامبيا)
- تقديم استشارات لادارة الاستكشاف النفطي بشركة الواحة و الزويتينة بطرابلس

عضوية الجمعيات العلمية

عضو الجمعية الليبية لعلوم الأرض .

عضو جمعية لندن الجيولوجية / بريطانيا .

عضو الجمعية العالمية الأمريكية لمستكشفي النفط.

يرجى الاطلاع على النسخة الانجليزية للمزيد من المعلومات حول الاهتمامات الشخصية والأبحاث المنشورة عالمياً .

معلومات شخصية

تاريخ الميلاد: 1968

العنوان: الغيران - مصراتة

هاتف: 0918312237

المؤهلات الدراسية

بكالوريوس جيولوجيا 1993 (جامعة قاريونس).
ماجستير جيولوجيا 1995-1999 (جامعة أكيدا - كندا).

دكتوراه في جيولوجيا النفط 2006-2010 (جامعة ساوث كارولينا الجنوبية - أمريكا).
عنوان رسالة الدكتوراه: احتمالات تواجد النفط بشمال شرق ليبيا.

التاريخ الوظيفي الأكاديمي

معيد بقسم الجيولوجيا/ جامعة قاريونس (1993-1995).

محاضر بقسم الجيولوجيا/ جامعة قاريونس (1999-2006).

منسق الدراسة و الامتحانات بقسم الجيولوجيا/ جامعة قاريونس (2000-2006).

الإشراف على المعامل الجيولوجية بجامعة ساوث كارولينا -امريكا (2007-2010).

الإشراف علي طلبة ماجستير بجامعة رويال هالوي بلندن - بريطانيا (2001-3201)

عضو هيئة تدريس بدرجة استاذ مشارك بجامعة مصراته (من 2017)

رئيس قسم الجيولوجيا بجامعة مصراتة (من 2017 -2021)

المدير الفني لشركة الوادي للخدمات النفطية 2019-2023

منسق الدراسات العليا بكلية البيئة و الموارد الطبيعية 2020-2023

يرجى الاطلاع على النسخة الانجليزية للمزيد من المعلومات حول الاهتمامات الشخصية و الابحاث المنشورة

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SUMMARY

Accomplished and dedicated Geologist with extensive experience in exploration and carbonate/clastic Geology gained within large companies both onshore and offshore in the North and West African regions. Adept at deploying skills acquired and developed in conventional and unconventional reservoir quality and hydrocarbon exploration by being one of very few carbonate experts who use certain criteria to identify carbonate build/up (reef) on 3D seismic data.

Skilled in assessing geological and chemical impacts on environments and identifying and testing potential hazards and performing comprehensive compliance evaluation inspections for the purpose of achieving both business and environmental goals. Skilled in promoting new concepts in petroleum geology that optimize company efficiency without compromising quality or safety.

Expertise includes; valuable in-depth knowledge of environmental development, strategic planning, relationship building, operations control and communication strategy and implementing environmental management systems.

A strong leader with detailed understanding of all aspects of multiple geological disciplines used in the process of oil exploration and development with the ability to perform effectively as part of a thriving and productive team. Adaptable and resilient, thriving on challenges, a proficient communicator, motivator and trainer that consistently meets or exceeds objectives.

CORE COMPETENCIES

- Skilled in managing high value exploration and development projects
- Possesses a combination of technical and management skills
- Able to work successfully with regulators to achieve and maintain compliance
- Skilled in managing work scope, schedule and budget
- 3D Modelling
- Equally effective working in self-managed projects as well as a team leader
- Proactive, organized and results orientated work principles
- Training/Leading Junior Team Members
- Knowledge of Theories and Practices
- Excellent communication skills, able to liaise confidently at all levels
- Successful in building and leading teams in complex and challenging environments

TECHNICAL SKILLS

Basin Evaluation | Expert in Sirt, Ghadmis and Murzuq basins | Hydrocarbon Prospect Generation | Play Fairway Mapping | Play-Based Risk and Uncertainty Evaluation | Carbonate and Clastic Petrography & Depositional Environments | Seismic & Sequence Stratigraphy | Identification of offshore Carbonate Build-up Geometry on 3D Seismic Data | Cretaceous Rudist | Tertiary Cora-algal Reefs | Geological Support for Drilling Well Operations | Post-Well Follow Ups | Biostratigraphy | Core Description & Stable Isotopes Analyses | Dolomitization | Carbonate Diagenesis and their impact on Reservoir Quality | Application of Sequence Stratigraphic Concepts/Methods | Unconventional Reservoir Quality & Predication | Source Rock Evaluations | Mapping and Identifying Pre-Salt Microbialite along the West African Margin | Calculation of Volumetric (STOIIP, GIIP) & Reserves for Prospects | Core Description | Analyses of API Gravity Variations | Sedimentary Geology | Software including; Petrel, Landmarks, Genesis, Trinity

PROFESSIONAL EXPERIENCE

UNIVERSITY OF MISURATA, LIBYA

2017 to present

Head of Geology Department

Duties:

- Teaching Undergraduate Level course

ALWADI COMPANY FOR OIL SERVICES, LIBYA

2018 to present

Technical Manager

Duties:

- Responsible for oil exploration & development consultation

BP EXPLORATION TEAM, LONDON

2010 to 2017

Exploration and Carbonate Geologist

Duties:

- Built Gross Depositional Environment (GDE) maps for the early and middle Eocene along the northern margin of Africa including Tunisia, Libya, and Egypt and Produced a GDE map to evaluate source/reservoir facies distributions for play and prospect generation
- Evaluate basin/regional settings (e.g. Sirt & Ghadamis) with team members; provided detailed depositional models within a regional sequence stratigraphic framework
- Applied geological/geophysical data to exploration prospects and Created predrill geological data acquisition programs that provided geological support for drilling well operations
- Post-well follow up and reporting including biostratigraphy, core descriptions, and stable isotopes analysis
- Delivered carbonate/clastic prospects supported by integrated regional geology, seismic data, and local well ties to yield the most coherent exploration models
- Identified Microbialite occurrence pre-salt offshore West Africa and worked extensively in rudist-bearing carbonate rocks along the Mediterranean and used the Middle East analogues including Fateh, Al Khaliq fields Integrated carbonate depositional facies, stable isotopes, and biostratigraphy to understand the depositional setting and water chemistry of the South Atlantic Margin and Identified specific criteria for recognizing carbonate build-ups on 3D seismic data including cretaceous rudist and eastern Mediterranean Tertiary Cora-algal reefs
- Utilized 3D seismic character and large datasets of existing stratigraphic trap analogues to explore Cretaceous carbonate stratigraphic traps. Current Interests: Predicting carbonate and clastic reservoir quality

HESS COMPANY, HOUSTON, TEXAS

2008 to 2009

Geologist (Summer 2009)

- Project: Reservoir facies development (turbidite sandstone) in Elon field, Equatorial Guinea, Offshore West Africa. Analysed thin-bedded levee deposits and their reservoir potential based on net to gross, lateral facies changes, and channel geometry

Geologist (Summer 2008)

- Project: Geochemical, geological modelling, and oil-quality distribution in the Campos Basin, offshore Brazil by using 1-D and Trinity modelling. The project included evaluation of source rock maturation, trap timing and biodegradation

INTEGRATED RESERVOIR CHARACTERIZATION GROUP (IRCG), COLUMBIA, SC

2009

Carbonate Geologist (Spring)

- Project: Petrographic analysis of 200 thin sections, carbonate source rock potential and depositional environment interpretation of the lower (lime mudstone) unit of the Upper Jurassic Smackover Formation, northern Gulf of Mexico.

FIELDWORK EXPERIENCE**1994 to 2005**

- Regional carbonate diagenesis studies in Al Jabal Al Akhdar, northeastern Libya, (2000–2005)
- Mapping the Jurassic sequence south of Bay of Fundy, Nova Scotia. Contouring and traverse mapping, core description, analysis of well cuttings, and porosity of reservoir rocks. Regional stratigraphic analysis focused on carbonate and clastic sequences; (*Summers of 1996 & 1997*)
- Studying Silurian source rocks in southern Libya on a field trip sponsored by Arabian Gulf Oil Company and Professor Brian Turner (University of Durham) (*April 1994*).

EDUCATION & ACADEMIC EXPERIENCE

Graduate coordinator between Geology Dep. at **Misurata University** and **Libyan Academy for Graduate Studies**. **2019-Present**

Assistant Professor and head of Department of Geology, **Misurata University**, Libya **2017-Present**

University of South Carolina, Doctor of Philosophy in Geology **2010**
Dissertation: "Hydrocarbon Potential of NE Libya: Reservoir and Source Rock Evaluations"

Master of Science in Geology Acadia University (Nova Scotia, Canada) **2000**
Thesis: "Geology of the Lower Jurassic Synrift Lacustrine Mixed Carbonate and Siliciclastic Scots Bay Formation, Bay of Fundy"

Bachelor of Geology | University of Garyounis (Benghazi, Libya) **1993**
Thesis: "Geology of the Area Between Wadi Al-Kuf and Wadi Ben Garis, NE Libya, Sector 4" Special study: "Paleocurrent Analysis of Oolitic Limestone facies, Upper Miocene, NE Libya"

Supervising Master's degree student at Royal Holloway University of London **2013**
2007-2010: Lab Instructor, Geology 101, University of South Carolina

University of Texas, Austin, **2007**
Collaboration with Kitty Milliken, Robert Folk, and Christopher Kendall to build carbonate petrology atlas for the SEPM series (Society of Sedimentary Geology); annotated and described more than 100 carbonate thin sections.

Lecturer, University of Garyounis, Benghazi, Libya **2000 -2006**
Sedimentary Petrology, Petroleum Geology, Geological Field Methods

Laboratory Assistant, Acadia University, Canada, Petroleum Geology (undergraduate level) **1999**
Professional/Industry Experience

PROFESSIONAL AFFILIATIONS

Member; American Association of Petroleum Geologists (AAPG) # 0687303
Member; Society for Sedimentary Geology (SEPM) # 38695
Member; Atlantic Geoscience Society (AGS)
Member; Libyan Earth Science Society

SELECTED PUBLICATIONS

- Hassan S. Hassan**, 2021, Diagenetic alteration of Early Jurassic carbonate rocks and their impact on rock texture, Bay of Fundy, Canada. In Press.
. Department of Geology, Misurata University, Misurata, Libya.
- Hassan S. Hassan**, and Folk R. L., 2019, The genesis of the Miocene oolitic Limestone in North Eastern Libya: a nanobacterial connection. Under preparation
- Hassan S. Hassan**, 2019, New occurrence of Ostracodes used as indications of paleoecology and age for Scots Bay Formation, Bay of Fundy, Canada. In Press.
- Hassan S. Hassan** and Malik Othman, 2018, Petrology and Origin of Cherts in Early Jurassic Scots Bay Formation, Nova Scotia, Canada. *The second annual conference on theories and application of basic and biosciences*. University of Misurata, Misurata, Libya.
- Malik Othman and **Hassan S. Hassan**, 2018, Using Trace Element Discrimination of Different Types of Plutonic Rocks to Identify Tectonic Setting of Sarıcakaya Complex (Eskişehir, NW Turkey). *The second annual conference on theories and application of basic and biosciences*. University of Misurata, Misurata, Libya.
- Hassan S. Hassan**, Nicola Adams and Ian Billing, 2016, Depositional Setting and Facies Geometry of Lacustrine Coquina Reservoirs: examples from the West African margin. AAPG, Barcelona.
- Hassan S. Hassan** and Christopher C. G. Kendall, 2014, Hydrocarbon provinces in Libya—Petroleum system study, in L. Marlow, C. Kendall, and L. Yose, eds., Petroleum systems of the Tethyan region: AAPG Memoir 106, p. 101–142.
- Hassan S. Hassan** and Robert L. Folk, 2015, The genesis of the Miocene oolitic limestone in northeastern Libya: A nanobacterial connection (in preparation).
- Hassan S. Hassan**, T. J. Green, and R. Woodfine, 2013, Hydrocarbon potential of early Eocene rocks offshore northern Libya: AAPG European Regional Conference, Barcelona, Spain.
- Hassan S. Hassan** and David Wavrek, 2017, Cretaceous-Tertiary source rocks potential of northeastern Libya (in preparation).
- Guthrie, J., C. Nino, and **Hassan S. Hassan**, 2012, Integrating geochemistry, charge rate and timing, trap timing, and reservoir temperature history to model fluid properties in the Frade and Roncador fields, Campos Basin, offshore Brazil, in K. E. Peters, D. J. Curry, and M. Kaciewicz, eds., Basin Modeling: New Horizons in Research and Applications: AAPG Hedberg Series, no. 4, p. 293–315.
- Hassan S. Hassan**, Jeff Chiarenzelli, and Christopher G. Kendall, 2009, Cretaceous source rocks potential of northern Libya: AAPG, Denver, Colorado
- Christopher G. Kendall, Jeffrey Chiarenzelli, and **Hassan S. Hassan**, 2009, World source rock potential through geological time: AAPG, Denver, Colorado.
- Hassan S. Hassan** and Christopher G. Kendall, 2008, The stratigraphy of the Libyan sedimentary basins and their current and potential entrapment of hydrocarbons: AAPG Annual Meeting, San Antonio, Texas.
- Hassan S. Hassan** and Ahmed M. Muftah, 2008, Lithofacies study of Al Bayda Formation, Al Jabal Al Akhdar, NE Libya, in Sedimentary basins of Libya, third symposium, Geology of East Libya.
- Hassan S. Hassan** and Amit Ghosh, 2003, Early Oligocene non-geniculate coralline algal assemblage from Al Bayda Formation, northeast Libya: Journal of Current Science, v. 84, no. 4, India.
- Hassan S. Hassan** and Barry Cameron, 1999, Lacustrine environmental facies of Scots Bay Formation, Nova Scotia, Canada [abs.]: Atlantic Geoscience Society Colloquium and Annual General Meeting, Amherst, Nova Scotia, Canada.