CURRICULUM VITAE

Ghareb Mostafa Hamada

Google Scholar:
https://scholar.google.com/citations?user=rKaaJHkAAAAJ&hl=enttps://scholar.google.com/citations?hl=en
Research gate: https://www.researchgate.net/profile/Ghareb-Hamada-3

PERSONAL INFORMATION

Name	Ghareb Mostafa Hamada
Date of Birth	8th November 1952
Nationality	Egyptian
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SCIENTIFIC BACKGROUND

1983	Docteur D'Ingénieur (Doc. D'Ing) Applied Geophysics	Faculty of Sciences Bordeaux University, France
1981	Diplôme D'Étude Approfondie (DEA) Applied Geophysics	Faculty of Sciences Bordeaux University, France
1979	M.S., Petroleum Engineering Well Logging	Faculty of Engineering Cairo University, Egypt
1975	B.S., Petroleum Engineering	Faculty of Engineering Cairo University, Egypt

RESEARCH SCHOLARSHIPS

1- June-Sept. 1978, DAAD Scholarship for "Training on laboratory measurements of reservoir rock petrophysical properties", Clausthal University, Germany
2- Sept. 1979–June 1983, French Scholarship for "DEA & Doc. D'Ing degrees in the field of Applied Geophysics: Doc D'Ing thesis title "Seismic wave velocity and attenuation as diagnostic parameters of marine sediments", Bordeaux University, France
3- June1983–June 1984 Research Assistant Scholarship, Laboratory of Applied Geophysics, Faculty of Sciences, Bordeaux University, France.
4- Oct. 1996–March 1997, Danish Scholarship for "Analysis of petrophysical properties of green sand", Technical University of Denmark, Copenhagen, Denmark

EMPLYMENT HISTORY

Jan.2024-Now	Professor, Oil and Gas Engineering Department, College of Engineering & Technology, Arab Academy for Science, Technology & Maritime Transport (AASTMT), Alexandria, Egypt.
Aug.2021-2023	Professor, Petroleum Engineering Department, College of Engineering, The American University of Kurdistan, Duhok, Iraq
Sept. 2020-August 2021	Acting Dean, College of Engineering, The American University of Kurdistan, Duhok, Iraq
May-2019- Sept. 2020	Professor/Chair, Petroleum Engineering Department, College of Engineering, The American University of Kurdistan, Duhok, Iraq
2016- 2019	Associate Professor, Petroleum Engineering Department, Faculty of Geosciences and Petroleum Engineering, Universiti Teknologi Petronas, Malaysia
2015- 2106	Professor, Petroleum Engineering Department, Faculty of Engineering, Future University in Egypt, New Cairo, Cairo, Egypt
2011– 2015	Visiting Professor, Chemical and Petroleum Engineering Department, Faculty of Engineering, UAE University, United Arab Emirates.
2010 - 2011	Professor, Petroleum Engineering and Gas Technology Department Faculty of Engineering, The British University in Egypt, ElSherouk, Egypt.
2009 - 2010	Professor and Head of Petroleum Engineering and Gas Technology Department, Faculty of Engineering, The British University in Egypt. ElSherouk, Egypt.
2006 - 2009	Visiting Professor, Petroleum Engineering Department, Faculty of Engineering, King Fahd University of Petroleum & Minerals, Saudi Arabia.
2003 - 2006	Professor, Petroleum Engineering Department, Faculty of Engineering, Cairo University, Egypt.
1997 - 2003	Professor, Petroleum Engineering Department, Faculty of Engineering, King Saud University, Saudi Arabia.
1996 - 1997	Researcher, Technical University of Copenhagen, Copenhagen, Denmark
1993 - 1996	Assistant Professor, Petroleum Engineering Department, Faculty of Engineering, Cairo University, Egypt.
1989 - 1993	Assistant Professor, Petroleum Engineering Department, College of Engineering, Sultan Qaboos University, Sultanate of Oman.
1984 - 1989	Lecturer, Petroleum Engineering Department, Faculty of Engineering, Cairo University, Egypt.
1983 - 1984	Researcher, Laboratory of Applied Geophysics, Faculty of Science, Bordeaux University, France.
1980 - 1983	Doc. D'ing. Student, Faculty of Sciences, Bordeaux University, France.
1979 - 1980	DEA Degree Student, Faculty of Sciences, Bordeaux University, France.
1978 - 1979	Assistant Lecturer, Petroleum Engineering Department, Faculty of Engineering, Cairo University, Egypt.
1975 - 1978	Demonstrator, Petroleum Engineering Department, Faculty of Engineering, Cairo University, Egypt.

ACADEMIC EXPERIENCES

I- UNIVERSITY TEACHING COURSES

1- College of Engineering & Technology, AASTMT, Alexandria (2024- Now)

- Introduction to Petroleum Engineering

2- Faculty of Engineering, AUK, Kurdistan (2019- 2023)

Graduate Level

- Formation Evaluation
- Production Logging
- Petroleum Exploration Engineering
- Processes in Petroleum Production
- Petroleum Production Systems
- Fundamentals of Reservoir Engineering
- Natural Gas Engineering
- Statistical Applications for Petroleum Engineers
- Petroleum Economics and Legislation
- Introduction to Petroleum Engineering

3- Faculty of Geosciences & Petroleum Engineering, UTP Malaysia (2016- 2019)

Graduate Level

- Well Logging & Formation Evaluation
- Well Production Optimization
- Gas Field Engineering
- Fundamental of Petroleum Exploration Engineering

Postgraduate Level

- Formation Evaluation
- Petroleum Geoscience

4- Faculty of Engineering, Future University in Egypt, FUE (Sept. 2015– Sept. 2016)

Graduate Level

- Well Performance and Production Systems
- Petroleum Geology
- Well Logging
- Reservoir Characterization
- Reservoir Engineering

5- Faculty of Engineering, UAE University, UAE (Feb. 2011-June 2015)

Graduate Level

- Well Logging
- Petroleum Production Operations
- Petroleum Property Evaluation
- Data Analysis in Petroleum Engineering

- Reservoir Mechanics
- Natural Gas Engineering
- Applied Reservoir Geology

Postgraduate Level

- Well Stimulation
- Production Logging
- Fluid Flow in Porous Media
- Crude Oil Characterization
- Advanced Reservoir Geology
- Advanced Reservoir Characterization

6- Faculty of Engineering, BUE, Egypt (July, 2009 – 2010)

- Well Logging
- Petroleum Exploration Engineering
- Petroleum Production Engineering

7 - Faculty of Engineering, KFUPM, Saudi Arabia (Feb., 2006 – 2009)

G**raduate Level**

- Well Logging
- Production Logging
- Subsurface Production Engineering

Postgraduate Level

- Advanced Well Logging
- Coring and Core Data Analysis

8- Faculty of Engineering, Cairo University, Egypt (Sept., 2003 – Feb. 2006)

Graduate Level

- Well logging Analysis
- Production Logging
- Petroleum Exploration Engineering
- Petroleum Geology

Postgraduate Level

- Subsurface Geology
- Formation Evaluation

9- Faculty of Engineering, King Saud University, Saudi Arabia (Sept. 1997- Sept. 2002)

Graduate Level

- Well Logging,
- Petroleum Exploration Engineering
- Enhanced Oil Recovery
- Oil & Gas Transportation

Postgraduate Level

- Advanced Reservoir Fluids Properties

10- Technical University of Denmark, Copenhagen, Denmark (Oct. 1996-March 1997)Graduate Level

- Formation Evaluation

11- Faculty of Engineering, Cairo University, Egypt(June1984 - Sept.1989 & Sept.1993- June 1996)

Graduate Level

- Well Logging
- Applied Geophysics
- Petroleum Geology
- Petroleum Production

Postgraduate Level

- Computer Application in Petroleum Exploration
- Formation Evaluation
- Engineering Seismology & Seismic Hazard

12- Faculty of Engineering, Sultan Qaboos University, Oman (Sept. 1989-June1993)Graduate Level

- Well Logging
- Petroleum Exploration Engineering
- Enhanced Oil Recovery
- Drilling Fluids Rheology Properties

13- Faculty of Sciences, Cairo University, Egypt (Sept.1986-June1988)Graduate Level

- Seismic Data Processing
- Seismic Data Interpretation

II- THESES SUPERVISION

A- Cairo University, Egypt

1- MS thesis "Analysis of seismic wave velocity and attenuation parameters in Zeit Pay Field, Gulf of Suez", Faculty of Sciences, Cairo University, Egypt, 1988.
2- MS thesis "Study of geo-electrical properties and frequency parameters of near surface layers in Gurf Hussain area, Aswan region", Faculty of Sciences, Cairo University, Egypt, 1990.
3- PhD thesis "Determination of lithofacies properties and fluid nature using core data and well logging records of Nubian sandstone formation, Ras Budran oil field", Faculty of Engineering, Cairo University, Egypt, 1994.
4- MS thesis "Gas saturation monitoring using pulsed neutron in Zeit Pay field, Gulf of Suez", Faculty of Engineering, Cairo University, Egypt, 1996.
5- MS thesis "Estimation of hydrocarbon saturation in shaly formation", Faculty of Engineering, Cairo University, Egypt, 1999
6- MS thesis " Gas production optimization in Badr ElDin -2 field in the Western Desert", Faculty of Engineering, Cairo University, Egypt, 2004
7- PhD thesis "Evaluation of tight gas sand reservoirs, Western Desert using NMR", Faculty of Engineering, Cairo University, Egypt, 2006.

8- MS thesis "Evaluation of hydrocarbon potential of gas reservoirs sing TDT and CHFR Logs", Faculty of Engineering, Cairo University, Egypt, 2006.
9- MS thesis" Comparative study of different shaly sand models with application in Egyptian oil field" Faculty of Engineering, Cairo University, Egypt, 2007.

B- King Saud University, Saudi Arabia

1- MS. thesis "Evaluation of petrophysical properties of shaly sands", College of Engineering King Saud University, 2002.

C- King Fahd University of Petroleum & Minerals, Saudi Arabia

1- MS thesis "Pressure gradient surveys as cost effective diagnostic technique in gas Producing wells" College of Engineering Sciences, King Fahd University of Petroleum & Minerals, Saudi Arabia, 2007
2- PhD thesis "Use of T2 NMR measurement to study transport processes between micro and macro pore systems in carbonate rocks" College of Engineering, King Fahd University of Petroleum & Minerals, Saudi Arabia, 2007.
3- MS thesis "Analysis of Archie's parameters determination techniques", College of Engineering Sciences, King Fahd University of Petroleum & Minerals, Saudi Arabia, 2007.

4- MS thesis "Artificial Intelligence techniques in reservoir characterization" College of Computer Sciences and Engineering, King Fahd University of Petroleum & Minerals, Saudi Arabia, 2008
5- MS thesis "Simulation of influential miscibility parameters of miscible CO2-crude system" College of Engineering Sciences, King Fahd University of Petroleum & Minerals, Saudi Arabia, 2009
6- MS thesis "LWD porosity predication for well placement using Neural Network" College of Engineering, King Fahd University of Petroleum & Minerals, Saudi Arabia, 2009

D- Universiti Teknologi PETRONAS, Malaysia

1- MS thesis: "Comparative study of estimating water saturation in shale gas usingdifferent models", Faculty of Geoscience and Petroleum Engineering, UTP, 2018.
2- MS thesis "Impact of pore fabrics on the performance of foam flooding performance in sandstone reservoirs" Faculty of Geosciences and Petroleum Engineering, UTP, Malaysia, 2018
3- MS thesis "Factors affecting the ultrasonic wave propagation and its impact on water flooding performance" Faculty of Geosciences and Petroleum Engineering, UTP, Malaysia, 2018
4- MS thesis "Adsorption of methane and carbon dioxide and their mixture on shale in the presence of water" Faculty of Geosciences and Petroleum Engineering, UTP, Malaysia, on going
5- PhD thesis "Carbon Dioxide Capturing and Flooding Its Injection Wells Integrity and Environmental Impact Assessment "Faculty of Geosciences and Petroleum Engineering, UTP, Malaysia, on going
6- PhD thesis "Constructing Capillary Pressure Curves from Well Logs Constructing Capillary Pressure Curves from Well Logs" Faculty of Geosciences and Petroleum Engineering, UTP, Malaysia, on going
7- PhD thesis "A core flood Investigation of Water Based Nanoparticles for Enhanced Oil Recovery" Faculty of Geosciences and Petroleum Engineering, UTP, Malaysia, on going
8- PhD thesis "Shale Gas Fraction Production" Faculty of Geosciences and Petroleum Engineering, UTP, Malaysia, on going
9- PhD thesis "Core flood Investigation of Nanoparticle application to residual oil recovery" Faculty of Geosciences and Petroleum Engineering, UTP, Malaysia, on going

III- RESEARCH PROJECTS

1- Analysis of Seismic Energy Absorption Due To Salt Sections in Gulf of Suez and its Effect on Recorded Seismic Data Interpretation. This project was funded and supervised by Suez Oil Company "SUCO", 1987-1988, Egypt (Principal Investigator).
2- Formation Evaluation of Egyptian oil Fields & Screening Criteria for horizontal drilling activities potential in Egypt. This project was carried out in cooperation with Egyptian General Petroleum Corporation "EGPC", 1994–1995, Egypt (Principal Investigator).
1- Study of Petrophysical Properties and Reservoir Performance of Shaly Sands Formations in Salam Field, Western Desert. This project was funded and supervised by Khalda Oil Company, 1995 –1996, Egypt (Principal Investigator)
2- Petrophysical Evaluation of Low Resistivity Green Sands, North Sea Region. This Project was funded by Technical University of Denmark and Maersk Oil Company, September 1996 – March 1997, Denmark (Principal Investigator).

3- Developing new slurry to prevent sand production from unconsolidated sandstone oil and gas reservoirs. This project was funded by SABIC and Research Center, College of Engineering, King Saud University, 1998 – 2000, Saudi Arabia (Co- Investigator).
4- Electrical parameters and capillary pressure measurements and analysis. This project with Research Institute, KFUPM, 2007-2009 Saudi Arabia, (Principal Investigator)
5- Permeability modeling for HRDH/Kuff using fuzzy logic approach. This project is in cooperation with Research Institute, KFUPM, 2007, Saudi Arabia (Co- Investigator)
6- Using neural networks to estimate petrophysical properties of sandstone reservoirs from NMR measurements. KFUPM project, 2007, Saudi Arabia (Principal Investigator).
7- Multimodal storage mechanism of natural gas analysis of adsorbed, free and dissolved gas fractions in shale gas reservoirs, UTP project, 2016, Malaysia (Co-Investigator)
8- Characterization of Some Sarawak Black Shales with the Emphasis on Spectral Gamma Ray Response in outcrops. UTP project, 2017, Malaysia (Co-Investigator)
9- A Core flood Investigation of Water Based Nanoparticles for Enhanced Oil Recovery , UTP project, 2017, Malaysia (Principal Investigator)
10- Developing a New Mathematical Model to Study Diffusion Mechanism during Carbonated Water Injection as an EOR and CO2 Sequestration Technique, UTP project, 2017, Malaysia (Co-Investigator)
11- Green House Gas CO2 Sequestration in Basalt Rocks in Malaysia, UTP project, 2017, Malaysia (Co-Investigator)
12- Enhancing shale gas production using hydraulic fracture UTP project, 2017, Malaysia (Principal investigator)
13- 3D Total porosity modeling using FESEM and TEM in unconventional tight sandstone and shale gas reservoir. UTP project, 2017, Malaysia (Co-Investigator)
14- Using Neural networks to estimate petrophysical properties of sandstone reservoirs from NMR measurements. UTP project, 2017, Malaysia (Principal investigator)

IV- ACADEMIC SERVICES

1- AUK, Kurdistan, Iraq

- Acting Dean, College of Engineering
- Department of Petroleum Engineering, Chair

2- UTP, Malaysia

- Organizing committee of International Oil Gas Petroleum Conference, UTP, Malaysia
- Organizing committee of International Workshop on Unconventional Modelling, Simulation and Optimization for GEO science (UMSO-GEO2017)

3- UAE University, United Arab Emirates

- SPE Student Chapter Advisor
- SPE Abu Dhabi section board member

4- British University in Egypt (BUE), Egypt

- Head of Petroleum Engineering & Gas Technology Department (2009-2010)
- SPE Student Chapter Advisor (2009- 2011)
- SPE Egypt section board member
- SPE Regional Middle East Scholarship Selection Committee (2010-2011)

5- King Fahd University for Petroleum & Minerals, KFUPM, Saudi Arabia

- SPE Student Chapter Advisor (2006- 2009)
- Department Seminar Coordinator (2007- 2009)

6- Cairo University, Egypt

- SPE Student Chapter Advisor (2002 - 2004)
- Department Seminar Coordinator

7- King Saud University, Saudi Arabia

- Member in The Academic Affairs Committee
- Student Registration Supervisor
- SPE Student Chapter Founder

7- **Cairo University, Egypt**

- SPE Student Chapter Advisor (1995-1997)
- Department Seminar Coordinator

INDUSTRY EXPERIENCES

I- OIL & GAS INDUSTRY SRVICES

1- Suez Oil Company (SUCO), 1987 –1988

Job Description: SUCO works in the Gulf of Suez where there is a salt problem. Salt sections absorb seismic energy thereupon it becomes difficult to interpret seismic sections at reservoir depths. The main goal of the job was to find a seismic data processing technique to compensate this energy absorption problem to easily see the reflectors and do interpretation

2- Egyptian General Petroleum Corporation (EGPC), 1994-1997

Job Description: The main goal of this job to check the reserve estimate and reservoir performance of all Egyptian oil fields. Also, carrying out analysis of the contribution degree of using horizontal drilling technology in the development of the Egyptian oil fields.

3- Khalda Oil Company, 1996 – 1997

Job Description: Khalda works in the western desert area. Reservoir rocks of Khalda fields in Western Desert are mainly dirty sand or low resistivity sandstone reservoirs. The goal of this job was to how to evaluate theses reservoirs and how to make early prediction of well production performance before well testing.

4- Badr Petroleum Company "Bapetco", June, 2003 – January 2004

Job Description: Bapetco produces oil and gas from carbonate, sand and shaly sand reservoirs in Western Desert, Egypt. The goal of this job is to do formation evaluation and to prepare reservoir characterization using data from well logs, well tests, fluid samples and production history as input parameters for static and dynamic models for these reservoirs.

5- Associate Vice President (AVP), Nature Science Research International Center (NSRIC), Canada, February, 2021- Now

Job Description: NSRIC, Canada is a research institution for skilled education, HRD and RID. The main task of my position is to manage the teaching and research activities of college of Engineering as Dean of Engineering with main objective of sharing and spreading engineering knowledge by bringing the engineering experts together for engineering science development and helping community.

II- SELECTED TRAINING SHORT COURSES AND SEMINARS

1- Five days short course for petroleum engineers on" Petroleum Geology for Petroleum Engineers": Organized by the Egyptian Society of Engineers, January 1988, Cairo, Egypt.
2- One day seminar on" Geo-Electrical Surveying for Ground water": Organized by MIT, September, 1988, Cairo, Egypt
3- Two days short course on" Production Logging Interpretation": Organized by the
4- Egyptian Society of Engineers", June, 1989, Cairo, Egypt
5- Five days short course on "Well Logging Interpretation Techniques": Organized by the Egyptian Society of Engineers, April 1994. Cairo Egypt
6- Five days short course on " Applied Open Hole Log Interpretation": Organized by IHRDC, October, 1994, Damascus, Syria
7- One day seminar on " Application of Radioactivity in Petroleum Engineering": Organized by the Egyptian Society of Nuclear Engineering, October, 1995, Alexandria, Egypt
8- Three days short course on" Advance Core Analysis- NMR", Organized by The Egyptian German Academy, Cairo, January., 2004
9- Five days training course on" Well logging Interpretation", Organized by EGYCAN, Cairo, February, 2004.
10- Three days short course on "Seismic Data Interpretation" Organized by EGYCAN, Cairo, March, 2004.
11- Five days short course on "Basic Open Hole Logging Interpretation" Organized by ETC, Cairo, September, 2004.
12- Ten days short course on "Formation Evaluation" Organized by GCC, Cairo, January, 2005.
13- Five days short course on "Formation Evaluation", Organized by KFUPM, Dhahran, Saudi Arabia, December, 2006
14- One day short course on "Basic Petroleum Engineering" Organized by SPEKSA, Dhahran, Saudi Arabia, 2007

LIST OF PUBLICATIONS

Google Scholar:
https://scholar.google.com/citations?user=rKaaJHkAAAAJ&hl=enttps://scholar.google.com/citations?hl=en
Research gate: https://www.researchgate.net/profile/Ghareb-Hamada-3

A- Research INTERESTS

1. Formation Evaluation/ Petrophysics
2. Production Logging
3. Reservoir Evaluation of Unconventional Reservoirs
4. Artificial Intelligence Applications in Formation Evaluation/Petrophysics

B- PAPERS PUBLISHED IN PEER-REVIEWED JOURNALS

1. 1. Hamada, G.M., AlGathe, A. A. and Al-Khudefi, 2023, New Insights on Water Saturation Determination of Carbonate Reservoirs Using Artificial Intelligence Approach (AIA) and Conventional methods, Journal of Petroleum and Mining Engineering, Vol 25(1), p. 57-63.
2. Alatefy S. Abdel Azim R., Alkouh A. and Hamada G., 2023, Integration of Multiple Bayesian Optimized Machine Learning Techniques and Conventional Well Logs for Accurate Prediction of Porosity in Carbonate Reservoirs, Processes 2023, 11, 1339. https://doi.org/10.3390/pr11051339
3. Hamada, G.M. and Abushanab, M., 2023, Neural Network Prediction of Porosity and Permeability of Shaly Gas Sandstone Reservoir Using NMR Data, International Journal of Petroleum and Geoscience Engineering, JPGE 2023, 15 pages - Article ID: IJPGE-2212052112830.
4. Hamada, G.M. and Alshamsi, M., 2023, Developed correlation of Gas compressibility of High Impurities Natural Gas Reservoirs, UAE Case Study, International Journal of Petroleum and Geoscience Engineering, IJPGE, Vol. (2023), Article ID: IJPGE-2212052112831, 15 pages.
5. Reda Abdel Azim and Ghareb Hamada, 2022, Novel Correlation for Calculating Water Saturation in Shaly Sandstone Reservoirs Using Artificial Intelligence: Case Study Egyptian Oil Field, ACS Omega, ACS Pubictaions.
6. Hamada, G.M., AlGathe, A. A. and Al-Khudefi, A.M., 2022, Parallel Self Organizing Neural Network Estimation (PSONN) of Water Saturation Using Archie's Formula in Sandstone Reservoirs, International Journal of Petroleum and Geoscience Engineering, IJPGE Vol. 2022
7. Hamada, G.M. 2021, Sandstone Reservoirs Porosity and Water Saturation Estimation Using Functional Network Techniques, J Geol Geophys, Vol.10 Iss.2 No:494.
8. Hamada, G.M., Chaw, N. Elsakka, A., 2020, Prediction of Porosity and Water Saturation Using Neural Networks in Shaly Sand Reservoirs, Western Deseret, Egypt, Journal of Petroleum and Mining Engineering 22(2), pp. 80-91

9. Hamada, G.M. and Joseph, V., 2020, Developed correlations between sound wave velocity and porosity, permeability and mechanical properties of sandstone core samples, Petroleum Research, vol.5(4), pp. 326-338.

10. Hamada, G.M., El Mahdy, O.A. and Chandran, M, 2019, Cased hole formation resistivity contribution in water management and production enhancement of mature reservoirs, Int. J. Petroleum Engineering, Vol. 3, No. 3, pp 194-208.

11. Hamada, G.M. and Sundeep, R.S.2018, Mineralogical description and pore size distribution characterization of shale gas core samples, Malaysia, American Journal of Engineering Research, vol. 7, issue 7, pp. 1-10.

12. El-Sakka, A., Hamada, G.M., Padmanabhan, E. and Salim, A. M., 2018, South East Asia Contains Abundant, Untapped Unconventional Reservoirs, Oil & Gas Jr., vol. 116, Issue2., p. 34-44.

13. Al-Shami, T.M., Shiferaw, R.J. and Hamada, G.M., 2018, Effect of Seismic Excitation on mobilization of Trapped Oil Globule in Pore Double Model, International Journal of Mechanical Engineering and Robotics Research (IJMERR; ISSN:2278-0149).

14. Mohamed, A.M., Hamada, G.M., 2017, Determination Techniques of Archie's parameters a, m and n in heterogeneous reservoirs, Journal of Geophysics and Engineering, vol. 14(6), pp. 1358-1367.

15. Hamada, G.M., 2017, TDT and CHFR logs monitoring of water production and bypassed oil layers and water production management in matured sandstone reservoirs, American Journal of Engineering Research, vol. 6(6), pp. 192-203.

16. Hamada, G.M. and Al-Homadhi, E.S., 2017, Developed Correlations between Porosity, Permeability and Sound Wave Velocity at different Compaction Pressures for Sandstone Core Samples, International Journal of Advanced Engineering Research and Development, vol. 4, Issue 5.

17. Hamada, G.M., 2017, Comprehensive Evaluation and Development of Unconventional Hydrocarbon Reserves as Energy Resource, Journal of Petroleum and Environmental Biotechnology, vol.2017 (1), APEB 102, p. 1-10. http://gavinpublishers.com/comprehensive-evaluation-and-development-of- unconventional-hydrocarbon-reserves-as-energy-resource/.

18. Hamada, G.M., 2017, Effect of Non-hydrocarbon components on Gas Compressibility Factor Values and Correlations, Journal of Applied Biotechnology & Bioengineering Vol. 2 (4), P. 1-12.

19. Hamada, G.M., 2015 " Characterization of Hydrocarbon Movability and Type of Reservoir Fluids Using Resistivity and Sonic Logging Data in Sandstone Reservoirs, Western Desert, Egypt ", Journal of Earth Science, vol. 1, no.1, pp. 41-54.

20. ElMahdy, O.A. and Hamada, G.M., 2014" Integrated NMR and density logs for the evaluation of heterogeneous gas- bearing shaly sands" Journal of Petroleum Science and Technology, vol.32 (08), p. 958-964.

21. Hamada, G.M., AlMajed, A.A., Okasha, T.M. and AlGathe, A.A., 2013 "Uncertainty analyses of Archie's parameters determination techniques in carbonate reservoirs" Journal of Petroleum Exploration and Production Technology, vol. 3(1), p. 1-10.

22. Hamada, G.M., 2011 "Uncertainty analysis of well logging data: Acquisition and interpretation", Emirates Journal for Engineering Research, UAE, vol. 16(1), p. 71-80.

23. Hamada, G.M. and Elshafei, M.A., 2010 "Neural network prediction of porosity and permeability of heterogeneous gas sand reservoirs using NMR and conventional logs, NAFTA Jr., vol. 61(10), Zagreb, R. of Croatia.

24. Hamada, G.M., 2010," Analysis of Archie parameters determination techniques in shaly sand reservoirs" Petroleum Science and Technology Jr., vol.28 (1), p. 72-82.

25. Elshafei, M.A. and Hamada, G.M., 2009, "Neural network identification of hydrocarbon potential of shaly sand reservoirs", Petroleum Science and Technology Jr., vol.27 (1), p. 72-82.

26. Hamada, G.M., 2009 " Petrophysical properties evaluation of tight gas sand reservoirs using NMR and conventional openhole logs", The Open Renewable Energy Journal, vol.2, p. 6-18.

27. Hamada, G.M. and Abushanab, M.A., 2008 " Better porosity estimate of gas sandstone reservoirs using density and NMR logging data" Emirates Journal for Engineering Research, 13(3), p. 47-54.

28. Hamada, G.M., 2008 "Uncertainty of Archie parameters (a, m and n) and consequent change in water saturation values", NAFTA Jr., vol. 59, no. 10, p. 479-494, Zagreb, R. of Croatia.

29. Hamada, G.M., Abushanab M.A. and Oraby, M. El, 2008, " New NMR approach evaluates tight gas sand" Oil & Gas Jr., June, 02, p. 46-53.

30. Hamada, G.M., 2008, "Identification of hydrocarbon moveability and type from resistivity logs", Petroleum Science and Technology Jr., vol. 26(6), p. 638-648.

31. Hamada, G.M. and Elshafei, M.A., 2007, "Application of artificial neural network (ANN) in petrophysical evaluation of shaly sand reservoirs", NAFTA Journal, vol. 58, no. 11, p. 551-555 Zagreb, R. of Croatia.

32. Hamada, G.M. and Hegazy, A.A., 2007 " Sinai well logging compares TDT and CHFR applications", Oil & Gas, May 28th, p.48-55.

33. Hamada, G.M., 2006, "NMR porosity can better estimate tight gas sand porosity" NAFTA Journal, vol. 57, no. 11, p. 459-466, Zagreb, R. of Croatia.

34. Hamada, G.M., 2006," Quality assurance lessens core, log data uncertainties", Oil & Gas Jr., October 02, 2006, p. 41-46.

35. AbuShanab, M.A., Hamada, G.M., Oraby, M.E. and Wally, A.A., 2005 " DMR technique improve tight gas porosity estimate", Oil & Gas Jr., Dec., p. 12-16.

36. Hamada, G.M.2004 "Reservoir fluids identification using Vp/Vs ratio", Oil & Gas Science andTechnology, Revue de L'IFP, vol. 59, no. 6, p. 649-654. Hamada, G.M., 2004 " Factor identifies hydrocarbon recoverability, type", oil & GasJournal, April, 26, p. 49-53.

37. Hamada, G.M., Shokir, E., El-M and Alsughayer, A.A., 2002 "Reservoir performance Problems monitoring using well logging techniques: Case studies", Emirates Jr. of Engineering Research, vol.7, no.1, p. 25-31, United Arab Emirates University, UAE.

38. Hamada, G.M. and Alawad, M.N., 2002 " Evaluation of low resistivity beds using nuclear magnetic resonance" Jr. of King Abdelaziz University, Sci. Eng. vol. 14, no.1, p. 47-61, Saudi Arabia.

39. Hamada, G.M. and Al-Awad, M.N and Al-sughayer, A.A., 2002" Water saturation Computation from laboratory Data 3-D regression: Oil & Gas Science and Technology, Revue de L'IFP, vol. 57, no. 6, p. 637-651.

40. Al-Homadhi, E.S. and Hamada, G.M., 2002" Determination of petropphysical, mechanical and acoustic properties interrelationship for simulated sands": Engineering Journal of Qatar University, Qatar, vol. 15, p. 23-37.

41. Hamada, G.M. and Al-Awad, M.N. J., 2002" Evaluation of low-resistivity beds using NMR, porosity and resistivity logs": Emirates Jr. of Engineering research, vol. 7, no.1, p. 45-50, United Arab Emirates University, UAE

42. Al-Homadhi, E.S. and Hamada, G.M, 2001" Developed correlations between petrophysical, acoustic, mechanical properties for synthetic sandstone": Journal of Engineering and Applied Science, Cairo University, vol. 48, no. 5., p. 1021- 1036.

43. Hamada, G.M., Al-Blehed, M.S., Al-Awad, M.N. and Al-Saddique, M.A., 2001," Petrophysical evaluation of low resistivity sandstone reservoirs with nuclear magnetic resonance log (NMR)": Jr. of Petroleum Science & Engineering, vol. 29, no.2, p. 127-136, Elsevier, B.V., Holland.

44. Al-Saddique, M.A., Hamada, G.M. and Al-Awad, M.N., 2001" Engineering coring and core data analysis": Emirates Journal of Engineering Research, Vol. 6, No.1, p. 39-49, United Arab Emirates University, UAE.

45. Hamada, G.M., Al-Awad, M.N., Al-Blehed, M.S. and Al-Saddique, M.A., 2001" Contribution of horizontal drilling technology in the development programs of Saudi oil field": Engineering Jr. of Qatar University, vol. 14, p 45-60.

46. Al-Awad, M.N., Hamada, G.M. and Almalik, M.S., 2001 "Low - resistivity beds may produce water free": Oil and Gas Jr., Jan. 01, p. 33-39.

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SCIENTIFIC and PROFESSIONAL SOCIETIES

i. Society of Petroleum Engineers, SPE
ii. Society of Well Logging Analyst, SPWLA
iii. Society of Core Analyst, SCA
iv. Society of Petroleum Engineers, Egypt Section
v. Registered Board Engineers Malaysia (BEM)
vi. Geological Society of Malaysia

PERSONAL SKILLS

Language Skills: English, French and Arabic (Native)

Software Skills: Mat lab, petrel and logic