



ABDULRAZAG Y. ZEKRI

CURRENT Address:

CHEMICAL & PETROLEUM ENGINEERING DEPT. P.O.Box 15551, UAE
UNIVERSITY, AL-AIN, UAE.
TEL.00971- 03-713-5314, FAX: 00971- 03-713-4996.
HOME: 00971-03-71544, MOBILE: 00971-50-7609945
EMAIL: a.zekri@uaeu.ac.ae
WEBSITE: <http://www.engg.uaeu.ac.ae/a.zekri>

EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA,
USA. B.Sc. IN PETROLEUM ENGINEERING 1975.

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA,
USA. MASTER IN PETROLEUM ENGINEERING 1980

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA,
USA. PH.D. IN PETROLEUM ENGINEERING, 1982.

ACADEMIC EXPERIENCE

UNITED ARAB EMIRATES UNIVERSITY
DIRECTOR OF MASTER OF PETROLEUM SCIENCE AND ENGINEERING, 2006-2010
PROFESSOR OF PETROLEUM ENGINEERING, 1998-PRESENT.

AL- FATEH UNIVERSITY, TRIPOLI
HEAD OF PETROLEUM ENGINEERING DEPARTMENT, 1984-1997
PROF. PETROLEUM ENGINEERING 1983/97

UNIVERSITY OF SOUTHERN CALIFORNIA, LA, CALIF.
RESEARCH ASSISTANCE, 1979/81
EVALUATION OF SURFACTANT AS STEAM ADDITIVE, EXPERIMENTAL WORK, DATA
EVALUATION AND ANALYSIS.

UNIVERSITY OF SOUTHERN CALIFORNIA, LA, CALIF.
TEACHING ASSISTANCE, 1977/79
DRILLING LAB AND RESERVOIR ENGINEERING LABORATORY SUPERVISION TUTORIAL
LECTURING UNDER PRF. LYMAN HANDY.

COURSES Taught

PETROLEUM PROPERTY EVALUATION, RESERVOIR ENGINEERING, ROCK & FLUID
PROPERTIES, NATURAL GAS ENGINEERING, WELL LOGGING, ENHANCED OIL
RECOVERY, MISCIBLE FLOODING, WELL TESTING, CHEMISTRY & ENGINEERING
APPLICATION LAB, MATH AND ENGINEERING APPLICATION I, SECONDARY

RECOVERY, NON-THERMAL EOR, SELECTED TOPICS IN PETROLEUM ENGINEERING, SAFETY & ENVIRONMENTAL IMPACT, INDEPENDENT STUDIES, GRADUATION PROJECTS, AND GRADUATION PROJECT COORDINATION.

UNIVERSITY ACTIVITY

- **Director of Master of Petroleum Science and Engineering**, UAEU, 2006-2010
- **Head of ABET Committee**, Chemical & Pet. Eng. Dept. 1999-2005.
- **Head of Promotion Committee**, College of Engineering, UAE U, 2008-2010
- **Head of Dept. of Pet. Eng. ABET Committee**, UAEU, 2000-2007. The Department awarded on Sept. 2005 a six year accreditation by ABET.
- **Head of the Safety Committee**, Faculty of Engineering, 2000-2004.
- Member of Faculty Selection Committee, UAEU, Pet. Dept., 2000-2006.
- Member of the Promotion Committee, Faculty of Engineering, UAEU, 2002, 2006.
- **Associate Editor**, Emirates Journal for Engineering Research, 2003-2005
- Member of Faculty Teaching Performance Committee, Faculty of Engineering, 2005/2006.
- Member of Authorship and Translation Committee, UAE University, 2004-present.
- Head of Library organization Committee, Faculty of Eng. Al-Fateh University 1984/86.
- **Chairman of Students Affair Committee** Faculty of Engineering, Al- Fateh University 1992/94.
- Member of Editorial Committee of El-Attroh Magazine, Faculty of Engineering, Al Fateh University, 1991/94.
- Supervisor of the Petroleum Eng. Dept. Technical Seminars , Petroleum Engineering Department , Al- Fateh University , 1994/95

SUPERVISION OF Master THESES AND DISSERTATION

- UNITED ARAB EMIRATES UNIVERSITY
LOSAL FLOODING IN A SELECTED CARBONATE RESERVOIR: AN EXPERIMENTAL APPROACH.
MOHAMED YAHIA, 2010-2011.
- UNITED ARAB EMIRATES UNIVERSITY
OPTIMIZATION OF WAG PROCESS
MOHAMED ELWAY, 2010-2011.
- UNITED ARAB EMIRATES UNIVERSITY
REMOVAL OF DISSOLVED HYDROCARBONS IN WATER BY SUPERCRITICAL CARBON DIOXIDE EXTRACTION TECHNOLOGY
NUHA SAIF ALDEEN KHALIFA, 2009—2011.
- COLLEGE OF GRADUATE STUDIES, TRIPOLI
OPTIMIZATION OF WATER FLOODING OF CARBONATE RESERVOIRS
ZAID IBRAHIM AL-ARABAI, 2008-2009.
- UNITED ARAB EMIRATES UNIVERSITY
RESERVOIR SIMULATION OF WAG PROCESSES
ABUDLFATAH ABED, 2007-2009.
- UNITED ARAB EMIRATES UNIVERSITY
Extraction of Hydrocarbons from Oil field produced water using Supercritical CO₂, Adel Adeeb Azzam, 2006.
- AL- FATEH UNIVERSITY, TRIPOLI
A NEW CORRELATION TO PREDICT PVT BEHAVOIR OF LIBYAN CRUDES.

(MASTER DEGREE). SABER EL-MABROUK, FACULTY OF ENGINEERING, PET. ENG. DEPARTMENT 1993-1994.

- EFFECTS OF OIL PRICING CHANGES ON THE PETROLEUM INDUSTRY, (MASTER DEGREE). MOHAMMED YUNIS, FACULTY OF ENGINEERING DEPARTMENT OF ENGINEERING MANAGEMENT, 1994-95.
- ECONOMICS OF ENHANCED OIL RECOVERY, (MASTER DEGREE). KHALID K. JERBI, FACULTY OF ENGINEERING, DEPARTMENT OF ENGINEERING MANAGEMENT, 1996-1997.
- A COMPARISON OF CONTRACTS IN THE PETROLEUM INDUSTRY, MIDDLE-EAST AND WORLD WIDE, (MASTER DEGREE). NASSER RAMADAN, FACULTY OF ENGINEERING DEPARTMENT OF INDUSTRIAL ENGINEERING 1994-95.

RECENT FUNDED RESEARCH PROJECTS

- **CO-PRINCIPLE INVESTIGATOR** OF EXTERNALLY FUNDED PROJECT BY ADCO ENTITLED: 'EVALUATION OF THE POTENTIAL OF SMART WATERFLOODING TO ENHANCE OIL RECOVERY FROM ASAB FIELD IN ADCO,' PROJECT STARTED SEPT 2014 AND EXPECTED TO BE COMPLETED ON SEPT. 2017, AND THE TOTAL BUDGET IS 2,500,000 DHS.
- **CO-PRINCIPLE INVESTIGATOR** OF EXTERNALLY FUNDED PROJECT BY OPCO ENTITLED "EVALUATION OF MOBILIZATION EFFICIENCY IN IOR/EOR FLOODS FOR CARBONATE RESERVOIRS," PROJECT STARTED SPT. 2010 AND EXPECTED TO BE COMPLETED ON DEC. 2014, WITH A BUDGET OF 5,000,000 DHS.
- **PRINCIPAL INVESTIGATOR** OF THE EXTERNALLY FUNDED PROJECT BY ADNOC ENTITLED: "ADVANCEMENTS OF RESERVOIR SIMULATION TECHNIQUES IN VIEW OF UAE NEEDS", PROJECT # 1-7-51-98. PROJECT STARTED ON SEPT 1998 AND COMPLETED ON SEPT 2003. PROJECT BUDGET WAS 1,250,000 DHS.
- **CO-PRINCIPLE INVESTIGATOR.** PARTICIPATED IN PREPARATION AND PRESENTATIONS OF THE EXTERNALLY FUNDED PROJECT PROPOSAL TO OCCIDENTAL OIL COMPANY. THE PROJECT ENTITLED," THE POSSIBLE USE OF CO₂ MISCIBLE FLOODING OF UAE CARBONATE OIL RESERVOIRS,". THE PROJECT BUDGET WAS 856,500 DHS, THE PROJECT WAS COMPLETED SUCCESSFULLY IN 2006.
- **CO-PRINCIPLE INVESTIGATOR** OF THE INTERNALLY FUNDED PROJECT ENTITLED: "DEVELOPMENT OF A NOVEL APPROACH FOR WATER CONTENT OF OIL RESERVOIRS". PROJECT funded by the UAE University Research Council during Academic year of **2002-2005** with total budget of 200,000 Dhs.
- **CO-PRINCIPLE INVESTIGATOR** OF THE INTERNALLY FUNDED PROJECT ENTITLED: "BIOREMEDIATION OF SOILS CONTAMINATED BY OIL SPILLS IN THE UAE". PROJECT funded by the UAE University Research Council during Academic year of **2002-2005** with total budget of 200,000 Dhs.

INDUSTRIAL EXPERIENCE

OCCIDENTAL OIL COMPANY

PETROLEUM ENGINEER, 1975-76

RESERVOIR ENGINEER, INTISAR D RESERVOIR FOLLOW- UP

WAHA OIL COMPANY, TRIPOLI - LIBYA.

CONSULTANT MANAGEMENT COMMITTEE, 1984-1998.

- FOLLOW- UP AND EVALUATED VARIOUS RESERVOIR SIMULATION STUDIES CONDUCTED BY DIFFERENT CONSULTANTS.
- PLANNING AND FOLLOW- UP OF WATER FLOODING OF MASRAB FIELD.
- EVALUATION AND PLANNING FUTURE GAS PRODUCTION IN FAREGH FIELD.

- CONDUCT A FEASIBILITY STUDY OF MISCIBLE FLOODING OF DEFA FIELD
- DEVELOP A COMPREHENSIVE PROGRAM OF POSSIBLE USE OF EOR TECHNIQUES IN WAHA OIL COMPANY RESERVOIRS.
- PERFORM STUDIES ON THE EFFECTS OF WAG RATIO ON TERTIARY OIL RECOVERY.
- STUDY OF SAND PRODUCTION PROBLEMS IN GIALO AREA
- EVALUATION OF BAH, EOCEN , DEFA AND WAHA RESERVOIR SIMULATION STUDIES
- ROS DEFEMINATION IN BAH FIELD
- MULTI-DISCIPLINARY PLAN OF RESERVOIR ZONATION , WAHA FIELD.
- ASSESSMENT OF PRESSURE SINKS IN DEFA RESERVOIR.
- EVALUATION OF PUMPS FAILURES IN CONCESSION 59 W.

INTERNATIONAL ENERGY FOUNDATION

ADVISOR TO THE PRESIDENT OF THE FOUNDATION, 1985-1998.

AGIP OIL COMPANY, TRIPOLI

CONSULTANT TO THE PLANNING DEPARTMENT, ADVISOR TO MANAGEMENT COMMITTEE, 1990-1998.

- EVALUATION OF PRESSURE TRANSIENT TESTS IN HORIZONTAL WELLS,
- BOURI FIELD, WATER PRODUCTION PROBLEMS IN ABU - ATTIFEL FIELD,
- EOR PLANNING OF ABU-ATTIFEL FIELD.
- ECONOMICS OF ARTIFICIAL LIFT IN RIMAL FIELD.

PETROLEUM RESEARCH CENTER, TRIPOLI

SPECIAL PROJECT LEADER, 1992-1994.

INDUSTRIAL SHORT COURSES

- WATER FLOODING WAG INJECTION, ZADCO, ABU DHABI 2010.
- WATER FLOODING WAG INJECTION, ZADCO, ABU DHABI 2009.
- ECONOMICS OF PETROLEUM, CONTINUOUS EDUCATION CENTER. DUBAI, 2003.
- WELL LOGGING, ZACO, ABU DHABI. 2002.
- APPLIED RESERVOIR ENGINEERING, TWO WEEK SHORT COURSE, PRESENTED TO NATIONAL OIL CORP. (AS PART OF NOC ENGINEERING TRAINING PROGRAM), TRIPOLI-LIBYA, COURSE GIVEN DURING 1990-94.
- ENHANCED OIL RECOVERY, TWO WEEK SHORT COURSE, PRESENTED TO NATIONAL OIL CORP. (AS PART OF NOC ENGINEERING TRAINING PROGRAM), TRIPOLI, LIBYA, 1993.
- MISCIBLE FLOODING, ONE WEEK SHORT COURSE, PRESENTED AT THE UNIVERSITY OF MALTA, VALLETTA, MALTA, FEB. 1992.
- INTRODUCTION TO PETROLEUM TECHNOLOGY, ONE WEEK SHORT COURSE, PRESENTED TO NATIONAL OIL CORP. (AS PART OF NOC ENGINEERING TRAINING PROGRAM), TRIPOLI, LIBYA, COURSE GIVEN DURING 1985-1992.

PETROLEUM Engineering Journals

- PROF. A. Y. ZEKRI IS A MEMBER OF THE EDITORIAL BOARD OF INTERNATIONAL JOURNAL OF PETROLEUM SCIENCE AND TECHNOLOGY (IJPST). CHECK AT: [HTTP://WWW.RPUBLICATION.COM/EDITORIAL_BOARD_OF_IJPST.HTM](http://www.rpublication.com/editorial_board_of_ijpst.htm).
- PROF. ZEKRI IS THE [GUEST EDITOR OF THE OPEN PETROLEUM ENGINEERING JOURNAL](#), SPECIAL ISSUE ON “RECENT ADVANCES IN ENHANCED OIL RECOVERY: APPLICATIONS, TECHNIQUES AND CHALLENGES”, PUBLICATION DATE IS SEPT. 2012.
- PROF. ZEKRI ALSO IS A TECHNICAL REVIEWER FOR THE FOLLOWING JOURNALS:
 - o JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING.

- o EMIRATE JOURNAL OF ENG. RESEARCH
[HTTP://WWW.ENGG.UAEU.AC.AE/EJER/](http://www.engg.uaeu.ac.ae/ejer/)
- o CHEMICAL ENGINEERING COMMUNICATIONS.
- o ENERGY SOURCES.
- o THE OPEN PETROLEUM ENGINEERING JOURNAL.

Recent **AWARDS**:

RECEIVED TWO AWARDS FROM ADNOC OIL AND GAS R&D COMMITTEE:

2012 R&D WISDOM CHAIR PROFESSOR AWARD
2012 R& D BRIGHT FINDING RESEARCH PEN AWARD

RECEIVED THREE AWARDS FROM ADNOC OIL AND GAS R&D COMMITTEE:

2013 R&D BRIGHT FINDING & INTEGRATION PEN AWARD
2013 R&D COLLEAGUES MEMBER AWARD
2014R&D RESEARCH BOOK OF WISDOM AWARD

RECENT Publications

1. NDIAYE, P. M., **ZEKRI**, A. Y., NAKOUA, M, CASTIER, M., AND ALMEHAIDEB, R. A., "A NEW TWO STAGES RECOMBINATION PROCESS FOR CRUDE OIL: SIMULATION AND EXPERIMENTAL APPROACH," INTERNATIONAL JOURNAL ENGINEERING RESEARCH & SCI. & TECH., VOL. 3, No. 4, NOVEMBER 2014.
2. NDIAYE, P. M., **ZEKRI**, A. Y., NAKOUA, M, CASTIER, M., ALMEHAIDEB, R. A., AND NEGAHBAN, S., "PHASE BEHAVIOR OF UAE CRUDE-OIL/CARBON DIOXIDE SYSTEM AT RESERVOIR TEMPERATURE," INTERNATIONAL JOURNAL OF MODERN SCIENCES AND ENGINEERING TECHNOLOGY, VOLUME 1, ISSUE 4, 2014, PP.96-104.
3. CHAALAL, O., **ZEKRI**, A., SULEIMAN, A., "A NOVEL TECHNIQUE FOR THE REMOVAL OF STRONTIUM FROM WATER USING THERMOPHILIC BACTERIA IN A MEMBRANE REACTOR" JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, DOI: 10.1016/J.JIEC.2014.04.018.
4. Elmabrouk, S., Zekri, A. Y., & Shirif," The Prediction of Bubble-point Pressure and Bubble-point Oil Formation Volume Factor in the Absence of PVT Analysis," J. Petroleum Science and Technology, Volume 32, Issue 10, 2014.
5. Zekri, A., Chaalal, O., Ghannam, M., "Cleanup of Offshore Emulsion Spill, an Experimental Approach," Energy Sources, Vol. 36, Issue 2, 2014.
6. Amin, M., Zekri, A., Almehaideb, R., Al-Attar, H., "Optimization of CO2 WAG Processes in a Selected Carbonate Reservoir- An Experimental Approach" International Journal of Engineering Research and Science & Technology, Vol. 2, No. 2, May 2013.
7. Al-Attar, H., Mahmoud, M., Zekri, A., Almehaideb, R., and Ghannam, M., " Low Salinity Flooding in a Selected Carbonate Reservoir: Experimental Approach" Journal of Petroleum Exploration and Production Technology (2013) 3:139–149.
8. Zekri, A., Sedid, A. S., Almehaideb, R., " Experimental Investigations of Variations In Petrophysical Rock Properties due to Carbon Dioxide Flooding in Oil Heterogeneous Low Permeability Carbonate Reservoirs," Journal of Petroleum Exploration and Production Technology, June 2013.
9. Zekri, A., Nasr, S., Al-Arabai, Z., " Effect of LoSal on Wettability and Oil Recovery of Carbonate and Sandstone Formation." paper SPE 14131 presented at the International Petroleum Technology Conference held in Bangkok, Thailand, 15–17 November 2011.

10. Zekri, A., Nasr, S., AlShobakyh, A., "Evaluation of Oil Recovery by Water Alternating Gas (WAG) Injection - Oil-Wet & Water-Wet Systems," paper SPE 143438, proceeding of the SPE Enhanced Oil Recovery Conference held in Kuala Lumpur, Malaysia, 19–21 July 2011.
11. Zekri, A., Shedid, A., Almehaideb, R., "Investigation of supercritical carbon dioxide, asphaltenic crude oil, and formation brine interactions in carbonate formations," *Journal of Petroleum Science and Engineering*, Volume 69, Issues 1-2, November 2009, Pages 63-70.
12. Cao, C. H., Zekri, A. Y., Tarability, K., Almehaideb, R.A., "Applications of Microbial Enhanced Oil Recovery Technology in the Past Ten Years," *Oil and Gas Journal*, Part 1 - Aug. 17, 2009, pp. 39-43, Vol. 107, No. 31.
13. Cao, C. H., Zekri, A. Y., Tarability, K., Almehaideb, R.A., "Applications of Microbial Enhanced Oil Recovery Technology in the Past Ten Years," *Oil and Gas Journal*, Part 2 - Aug. 24, 2009, pp. 41-47, Vol. 107, No. 32.
14. Zekri, A., Shedid, A.S., Almehaideb, R., "An Experimental Investigation of Interactions between Supercritical CO₂, Asphaltenic Crude Oil, and Reservoir Brine in Carbonate Cores," *Journal of Petroleum Science and Engineering* 69 (2009) 63–70
15. Zekri, A., Shedid, A. S., and Abu Kassem, J., "A new Technique for Measurement of Oil Biodegradation," *Journal of Petroleum Science and Technology*, *Petroleum Science and Technology*, Volume 27, Number 7, January 2009 , pp. 666-677(12).
16. Al-Marzouqi, A. H., Zekri, A., Azzam, A. A., and Dowaidar, A., "Hydrocarbon recovery from porous media using supercritical fluid extraction," *Journal of Porous Media*, Vol 17, No.6, 489-500, 2009.
17. Zekri, A., Shedid, A.S., Almehaideb, R., "Sulfur and Asphaltene Deposition during CO₂ Flooding of Carbonate Reservoirs," paper SPE 118825 proceeding of the 2009 SPE Middle East Oil & Gas Show and Conference held in the Bahrain International Exhibition Centre, Kingdom of Bahrain, March 2009.
18. Shedid, A.S., Zekri, A., Almehaideb, R., "Induced Sulfur Deposition During Carbon Dioxide Miscible Flooding in Carbonate Reservoirs," *SPE Prod. Oper.*, vol. 119999, 2009, p.1-19; 13.
19. Zekri, A., Mustafiz, S., Islam, R., "The Areal Sweep Efficiency of the First Contact Miscible Displacements: An Experimental Approach," *Journal of Petroleum Science and Technology*, Volume 26, Number 17, January 2008 , pp. 2033-2047.
20. Reyadh, A., Shedid, A. S., Zekri, A., "Laboratory Study of Miscible Carbon Dioxide Flooding of UAE Carbonate Oil Reservoirs," paper SPE 117118 proceeding of the 2008 Abu Dhabi International Petroleum Exhibition and Conference held in Abu Dhabi, UAE, 3–6 November 2008.
21. Shedid, A.S., Zekri, A., Almehaideb, R., "Optimization of Carbon Dioxide for a Middle-Eastern Carbonate Reservoir," *Canadian International Pet. Conference/SPE Gas Technology Symposium* 2008, 17-19 June, 2008.
22. Al-Marzouqi, A.Y., **Zekri**, A.Y., and Jobe, A., "Supercritical Fluid Extraction for the Determination of Optimum Oil Recovery Conditions," *Journal of Science and Engineering, JPSE*, Vol. 55 (2007) 37–47
23. El-Naas, M. H., Munz, R. J., and **Zekri**, A. Y., "Plasma Heating of Carbonate Formations," *Petroleum Science and Technology*, Sept. 2007, 25:9, 1143-1161.
24. **Zekri**, A.Y., Shedid, A. S., and Almehaideb, R. A., "Possible Alteration of Tight Limestone Rock Properties and Effect of Water Shielding on the Performance of SC-CO₂ Flooding for Carbonate Reservoirs," paper SPE 104630 published in the Proc. of the 15th SPE Middle East Oil & Gas Show and Conference held in Bahrain International Exhibition Centre, Kingdom of Bahrain.2007.
25. **Zekri**, A.Y., Shaalal, O., Ghannam, M., "Cleanup of Offshore Emulsion Spill, an Experimental Approach," paper SPE 111293 presented at the 2008 SPE International Conference on Health, Safety, and Environment in Oil and Gas Exploration and Production held in Nice, France, 15–17 April 2008.

26. **Zekri**, A. Y., Shedid, A. S., and Alkashef, H., "A new technique for treatment of permeability damage due to asphaltene deposition using laser technology," *Journal of Petroleum Science and Engineering*, . Volume 59, Issues 3-4, November 2007, Pages 300-308.
27. Shedid, A. S., **Zekri**, A. Y., Almehaideb, R. A., "Laboratory Investigation of Influences of Initial Oil Saturation and Oil Viscosity on Oil Recovery by CO₂ Miscible Flooding," paper SPE 106958 presented at the SPE Europepec/EAGE Annual Conference and Exhibition, London, United Kingdom, 11–14 June 2007.
28. Almehaideb, R.A., Shedid, A. Y., and **Zekri**, A.Y., "Technical Feasibility of Using Carbon Dioxide in Miscible Flooding of UAE Carbonate Oil Reservoirs," Paper presented at the Eight UAE Annual Research Conference, Al-Ain, April 2007.
29. **Zekri**, A., Y., and Almehaideb, R., "Relative Permeability Measurements of Composite Cores, an Experimental Approach," *Journal of Petroleum Science and Technology*, 24: 717-736, 2006.
30. Ben-Yahia, F. M., Abdulkarim, M., **Zekri**, A. Y., Mohamed, A.M.O., and Chaalal, O., " Bioremediation of crude oil contaminated UAE soils: challenges and advances". Proceedings of the 3rd UAE-Japan Symposium on sustainable GCC environment and water resources (EWR2006), Abu Dhabi, United Arab Emirates (Taylor Francis, ISBN 0415411280, 2006).
31. Shedid, A. S., and **Zekri**, A. Y., "An Experimental Approach of Influences of Perforated Length and Fractures on Horizontal Well Productivity," *Journal Canadian Petroleum Technology*, May 2006, Volume 45, No. 5.
32. Shedid, A. S., and **Zekri**, A. Y., "Formation Damage Caused by Simultaneous Sulfur and Asphaltene Deposition," *SPE Production and Operations*, Feb. 2006: 58-63.
33. **Zekri**, A., Y., Almehaideb, R., and Shedid, A.S., "Displacement Efficiency of Supercritical CO₂ Flooding in Tight Carbonate Rocks Under Immiscible and Miscible Conditions," paper SPE 98911 presented at SPE Europepec/EAGE 2006 Annual Conference and Exhibition, 12-15 June, Vienna, Austria.
34. Al-Marzouqi, A.Y., **Zekri**, A.Y., and Jobe, A., "Extraction of Hydrocarbons from Rocks and Soil Using High Pressure Carbon Dioxide," paper CO41 presented at SPE Europepec/EAGE 2006 Annual Conference and Exhibition, 12-15 June, Vienna, Austria.
35. Benyahia, F., Abdulkarim, M., **Zekri**, A., Mohamed. AO., Chaalal, O., "Bioaugmentation and biostimulation studies in the bioremediation of crude oil contaminated UAE soils". Seventh Annual UAE University Research Conference, April 2006, Al-Ain, UAE.
36. **Zekri**, A.Y., and Chaalal, O., "Effect of Temperature on Biodegradation of Crude Oil," *Journal of Energy Sources*, Volume 27, Numbers 1-2, PP. 233-244, January 7-January 21 2005.
37. Abdulkarim, M., Benyahia, F., **Zekri**, A. , Chaalal, O., and Hasanain, H., "Insight into crude oil evaporation modeling and environmental impact assessment following inland oil spills in the Arabian Gulf region", 7th World Congress of Chemical Engineering, Glasgow (UK) 2005. ISBN 0 85295 494 9.
38. Benyahia, F., Abdulakrim, M., **Zekri**, A., Chaalal, O. and Hasanain, H., "Bioremediation of crude oil contaminated soils: a black art or an engineering challenge?". 7th World Congress of Chemical Engineering, Glasgow (UK) 2005, ISBN 0 85295 494 9..
39. Shedid, S., Abou-Kassem, J., **Zekri**, A., "Mechanical Cleaning of Oil Spills in Seawater Using Circular Conduits," *Energy Sources*, Volume 27 Number 13/October 7, 2005, 1257 - 1268.
40. Chaalal, O., **Zekri**, A., and Islam, R., "Uptake of Heavy Metals by Microorganisms: An Experimental Approach," *Journal of Energy Sources*, Volume 27, Numbers 1-2 / PP 87-100, January 7-21, 2005.
41. El Gamal, M., Mohamed A.O., and **Zekri**, A.Y., "Effect of asphaltene, carbonate, and clay mineral contents on water cut determination in water–oil emulsions,"

Journal of Petroleum Science and Engineering, Volume 46, Issue 3 , PP 209-224, March 2005.

42. **Zekri**, A., and Shedid, A.S., "The effect of fracture characteristics on reduction of permeability by asphaltene precipitation in carbonate formation," Journal of Petroleum Science and Engineering, Volume 42, Issues 2-4, PP 171-182, April 2004.
43. Al-Honi, M., and Zekri, A., "Determination of Recovery and Relative Permeability for Gas Condensate Reservoirs," paper SPE 88797 presented at the 11th Abu Dhabi International Petroleum Exhibition and Conference held in Abu Dhabi, U.A.E., 10-13 October 2004.
44. Almehaideb, R., Ghannam, M., and **Zekri**, A. Y., "Experimental Investigation of Contact Angles of Crude Oil-Microbial Solution on Carbonate Rocks," Petroleum Science and Technology, Vol. 22, Issue 3-4, pp 423 – 438, 2004.
45. Mohamed, A.M.O, El Gamal, M., and **Zekri**, A.Y., "Effect of salinity and temperature on water cut determination in oil reservoirs," Journal of Petroleum Science and Engineering , Volume 40, Issues 3-4 , PP 117-118, Dec. 2003.
46. **Zekri**, A., and Almehaideb, R., "Steam/Bacteria to Treatment of Asphaltene Deposition in Carbonate Rocks," Journal of Petroleum Science and Engineering, Vol. 37, pp 123-133, 2003.
47. **Zekri**, A. Y., and Almehaideb R., "Microbial and Water Flooding of Fractured Carbonate Rocks: An Experimental Approach," Petroleum Science and Technology, Vol. 21, Nos. 1 & 2, pp 315-331, 2003
48. **Zekri**, A. Y., and Jerbi, K.K. "Economic Evaluation of Enhanced Oil Recovery," Oil and Gas Science and Technology, Revue de l'Institut Francais du Petrole, Vol. 57, pp. 259-267, 2002.
49. Shedid, S. A. and **Zekri**, Y. A. "An Experimental Approach of Elemental Sulfur Deposition in Carbonate Oil Reservoirs," Journal of Petroleum Science and Technology, Vol. 20, Issue 5 & 6, pp. 507-523, 2002.
50. Almehaideb, R. A., and **Zekri**, A. Y. "Laboratory Investigation of Parameters Affecting Optimization of Microbial Flooding in Carbonate Reservoirs," Petroleum Science & Technology, Vol. 20(3&4), pp. 377-392, 2002.
51. El-Honi, M., M. Graves, and **Zekri**, A. Y. "Enhanced Recovery of Medium Crude Oil in Heterogeneous Reservoirs Using Air/Injection/Insitu Combustion-Horizontal Well Technology," Petroleum Science and Technology, Vol. 20, (5,6), pp. 655-669, 2002.
52. El-Nass, M., and **Zekri**, A. Y. "A Novel Plasma Technique to Stimulate Tight Carbonate Rocks," J. of Energy Sources, Vol. 24(3), pp.181-194, 2002.
53. Chaalal, O., and **Zekri**, A. Y., "A Parametric Study of Suspension of Solid Particles in Aerated Vessels," EJNR, Vol. 7, No. 1, pp 97-103, 2002.
54. **Zekri**, A. Y." Review of Microbial Enhanced Oil Recovery," Oil Gas European Magazine, Vol. 1, pp 22-25, 2001.
55. **Zekri**, A. Y., E-Mehaideb, A., Omar Chaalal, O.," Improving Oil Recovery from UAE Reservoirs Using Bacteria Flooding, An Experimental Approach " J. of Japan Petroleum Institute, Vol. 44, No. 5, Sept., 2001.
56. Chaalal, O., and **Zekri**, A. Y., "A Novel Technique to Investigate the suspension of Solid Particles in Rectangular Tanks Agitated by a Source-Line Bubble Plumes," Geoengineering in Arid Land, A. A. Balkema/ Rotterdam/ Brookfield, (Nov. 2000). pp 343-349.
57. **Zekri**, A. Y., Chaalal, O., "Biodegradation of Oil Spills Under United Arab Emirates Conditions," paper SPE 61475 presented at SPE Fifth International Conference on Health Safety & Environment in Oil and Gas Exploration and Production, Stavanger-Norway (June 2000). 27-28.
58. El-Mahadi, H., Chaalal, O., and **Zekri**, A. Y., "Use of Sludge for Removal of Heavy Metals from Wastewater," ADEPIC-0968 paper presented at THE 9TH Abu Dhabi International Petroleum Exhibition & Conference, Abu Dhabi, (Oct. 2000).

59. **Zekri**, A. Y., and El-Kaanbashi, A. Y., "Microbial Phase Behavior Laboratory Studies," ADEPIC-0927 paper presented at the 9TH Abu Dhabi International Petroleum Exhibition & Conference, Abu Dhabi, (Oct. 2000).
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