

Prof. Adel Ramadan Moustafa

Name: Adel Ramadan Moustafa

Specialization: Structural Geology

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Google Scholar Profile: https://scholar.google.com/eg/citations?hl=en&user=Kdzq_WwAAAAJ

Research Gate Profile: https://www.researchgate.net/profile/Adel_Moustafa



	All	Since 2019
Citations	3554	1544
h-index	33	23
i10-index	66	40

Education:

1. B.Sc. (Geology), 1973, Ain Shams University (Egypt)
2. M.Sc. (Photogeology), 1978, Ain Shams University (Egypt)
3. Ph.D. (Structural Geology), 1983, The University of Texas at Austin (USA)

Leadership Positions:

Dean of Faculty of Science, Ain Shams University: March 2010 – October 2011

Chairman, Department of Geology, Ain Shams University: August 2008 – March 2010

Professional Affiliations:

1. International Association of Structural/Tectonic Geologists: Member
2. American Association of Petroleum Geologists: Active Member (not renewed)
3. American Geophysical Union: Member (not renewed)
4. Geological Society of Egypt : Member
5. Geophysical Society of Egypt: Member

Research and Technical Experience:

1. Structural Geology and Tectonics (Regional to detailed scales)
2. Subsurface structural mapping using 2D/3D seismic and well data
3. Surface structural mapping
4. Surface to subsurface study of oilfield areas in different parts of the world
5. Analysis of aerial photographs and space images

Surface Field Mapping Experience:

Egypt, Jordan, Syria, Morocco, Saudi Arabia, and USA

Academic Honors and Prizes:

1. B.Sc. in Geology with Honors degree from Ain Shams University, June 1973
2. Best Junior Researcher Award, Faculty of Science, University of Kuwait, 1992/1993
3. Distinguished Teaching Award, Faculty of Science, University of Kuwait, 1994/1995
4. State award in Geological Sciences from the Egyptian Academy of Scientific Research and Technology, June 1997.
5. Ain Shams University Discretionary Award in Basic Sciences, 2013.

Research Grants:

Grants for Ph.D. study in the USA:

1. USAID (2 years; Sept. 1979 to Aug. 1981)
2. Department of Geological Sciences, The University of Texas at Austin (2 years research assistantship; September 1981 - August 1983)

Grants for geologic field work:

1. Tenneco Oil Company, the Gulf Coast Association for Geological Societies, the University of Texas Geology Foundation (USA)
2. Volkswagen Foundation (Germany)
3. Kuwait University Research Administration (Kuwait)
4. British Petroleum, Gulf of Suez Petroleum Company and Belayim Petroleum Company (Egypt)

University Teaching Experience:

1. Ain Shams University (Cairo, Egypt): Teaching assistant (1973-1979), lecturer (1984-1989), Associate Professor (1989-1995), Professor (1995 – present)
2. University of Kuwait (Kuwait): (1989-1990 and 1993-1996)
3. King Abdulaziz University (Jeddah, Saudi Arabia): (1990-1992)
4. Adjunct Professor at: Helwan University (1996/1997), American University in Cairo (1997), Zagazig University (1987/1988), and Tanta University (1984)

Supervision of Graduate Students:

1. 19 Ph.D. Students (15 of them already graduated)
2. 35 M.Sc. Students (32 of them already graduated)

Participation in National Committees:

1. Head of the scientific committee for studying the Northern Side of Mokattam Plateau (Cairo Governorate), Sept. 2008 – April 2009.

2. Member of the permanent committee for the promotion of associate professors of Geology and Geophysics (Ministry of Higher Education and Scientific Research), Oct 2004-Aug 2008.
3. Member of the geology academic promotions committee of the National Research Center, 2008-2011.
4. Member of the geology academic promotions committee of the Desert Research Institute since Oct 2009.
5. Member of the scientific committee for the code of construction on rocky foundations (Ministry of Housing and Construction), 2000-2003.
6. Member of the scientific committee of Oil and Gas Skills, OGS (Ministry of Petroleum), 2007-2011.
7. Member of the Data and Information Committee of the Egyptian General Petroleum Corporation, 2005-2010.

Publications:

98 papers published in national and international magazines.

43 abstracts presented at national and international conferences.

PUBLISHED PAPERS

98. Sobhy, H. and Moustafa, A.R., 2024, Impact of structural geometry of tilted fault blocks on hydrocarbon entrapment and deposition of syn-rift clastic reservoirs: Belayim Marine field (Gulf of Suez Rift): Marine and Petroleum Geology, <https://doi.org/10.1016/j.marpetgeo.2023.106631>.
97. Afifi, A., Moustafa, A.R., and Helmy, H.M., in press, Rift domains and structural framework of the northwestern Red Sea basin, Egypt: International Journal of Earth Sciences (Springer), <https://doi.org/10.1007/s00531-023-02340-3>.
96. Yousef, Marwa, Moustafa, A.R., and Bosworth, W., 2023, Structural and tectonostratigraphic evolution of Matruh Basin, northern Western Desert, Egypt: An example of an inverted rift basin: Journal of African Earth Sciences, v. 203, <https://doi.org/10.1016/j.jafrearsci.2023.104958>.
95. Amin, F.H., Moustafa, A.R., and Hassan, A.A., 2022, Hydrocarbon evolution of northeastern Sinai Peninsula, Egypt: Egyptian Journal of Applied Geophysics (ISSN 1687.1251), v. 21, no. 2, p. 58-69.
94. Moustafa, A.R., 2022, On the structures of Abu Roash area and inverted basins of northern Egypt - Comments on "Surface expression of the Syrian Arc Kattaniya inverted basin in the Abu Roash area, northeast Western Desert, Egypt: Structural style and tectonic history" by Sayed et al. (2020): Marine and Petroleum Geology, v. 142, <https://doi.org/10.1016/j.marpetgeo.2021.105261>.
93. Hassan, M.A.F., Moustafa, A.R., Yousif, M., and Gallego, A., 2021, Deformation history of the South Alamein area (northern Western Desert, Egypt): Egypt. J. App. Geophys. **V.**, p. .
92. Saleh, A.M., Moustafa, A.R., and Khafagy, A.A.B., **2021**, Structural setting of the area south and southwest of Gebel Abu Shama, Cairo-Suez District: Sedimentological Society of Egypt, v. 25, **in press**.
91. Afifi, A.S., Moustafa, A.R., and Helmy, H.M., 2021, Insights on the hydrocarbon possibilities of the offshore Egyptian Red Sea margin: Egyptian Society of Applied Petrophysics (ESAP), v. 20, no. 2 (in press).
90. Gamal, N., Yousif, M., Moustafa, A.R., and Bosworth, W., 2021, Spatiotemporal evolution of transfer structures and linked fault systems in an extensional setting: southwest Gebel Akheider, Cairo-Suez District, Egypt: Marine and Petroleum Geology, v. 133, <https://doi.org/10.1016/j.marpetgeo.2021.105260>.

89. Hassan, M.A.F., Moustafa, A.R., Yousif, M.S., and Gallego, A., 2021, Deformation history of the South Alamein area (northern Western Desert, Egypt): Egyptian J. Applied Geophysics (in press).
88. Saleh, S., Moustafa, A.R., and Pohanka, V., 2021, Impact of Inherited Structures on Present-day Tectonics of the Northern Red Sea and its Western Onshore Area in Egypt: Evidence from 3-D Gravity Inversion and Seismicity: Arabian Journal of Geosciences 14, 1250 (2021). <https://doi.org/10.1007/s12517-021-07626-x>.
87. Abd El-Fattah, B.K., Moustafa, A.R., Yousef, M., 2021, A new insight into the structural evolution of Rosetta Fault, eastern margin of Herodotus Basin, East Mediterranean: Marine and Petroleum Geology, v. 131, <https://doi.org/10.1016/j.marpetgeo.2021.105161>.
86. Sobhy, H., Moustafa, A.R., Yousef, M., and Adel, A., 2020, Impact of Structural Deformation on the Texture of the Nubia Sandstone of Wadi Sidri Area, Eastern Side of the Gulf of Suez Rift, Egypt: Sedimentology of Egypt, v. 25 (in press).
85. Saleh, A.M., Moustafa, A.R., and Khafagy, A.B., 2020, Structural setting of the area south and southwest of Gebel Abu Shama, Cairo-Suez District: Sedimentology of Egypt, v. 25, p. 163-173.
84. Moustafa, A.R., 2020, Mesozoic-Cenozoic Deformation History of Egypt, In: Hamimi, Z., El-barkooky, A., Martínez-Frías, J., Fritz, H., Abd El-Rahman, Y.M. (eds.), The Geology of Egypt: Springer Nature Switzerland, Regional Geology Reviews, p. 253-294. DOI/10.1007/978-3-030-15265-9_7.
83. Moustafa, A.R. and Khalil, S.M., 2020, Structural Setting and Tectonic Evolution of the Gulf of Suez, NW Red Sea and Gulf of Aqaba Rift Systems, In: Hamimi, Z., El-barkooky, A., Martínez-Frías, J., Fritz, H., Abd El-Rahman, Y.M. (eds.), The Geology of Egypt: Springer Nature Switzerland, Regional Geology Reviews, p. 295-342. DOI/10.1007/978-3-030-15265-9_8.
82. Mayhoub, A., Moustafa, A.R., Yousef, M., and Zalat, S.M., 2019, Cyclo-sequence stratigraphy of the Miocene syn-rift succession, Al Amir and Geyad fields, southwestern part of the Gulf of Suez rift: Journal of African Earth Sciences, doi.org/10.1016/j.jafrearsci.2019.05.012.
81. Abd El-Fattah, B.K., Yousef, M., and Moustafa, A.R., 2018, 2D Structural restoration of the Rosetta fault system, offshore western Nile Delta, Mediterranean basin, Egypt: Egyptian Journal of Applied Geophysics (ISSN 1687.1251), v. 17, p. 83-98.
80. Mayhoub, A., Moustafa, A.R., Yousef, M., and Zalat, S.M., 2017, Subsurface Structural Setting of Al Amir and Geyad Fields, Southwestern Part of the Gulf of Suez Rift, Egypt: Bull. Fac. Sci. Zagazig University (BFSZU), v. 39, p. 229-243.
79. Mansour, M., Moustafa, A.R., Yousef, M., and Soliman, M., 2017, Recognition of Strike-Slip Faults from Seismic Data: Example from NE Syria: Egyptian Geophysical Society, v. 15, p. 127-129.
78. Moustafa, A. and Khalil, S., 2017, Control of Extensional Transfer zones on Syntectonic and Posttectonic Sedimentation: Implications for Hydrocarbon Exploration, Journal of The Geological Society (London), v. 174, p. 318-335. <https://doi.org/10.1144/jgs2015-138>.
77. Moustafa, A. and Khalil, S., 2017, Control of Compressional Transfer zones on Syntectonic and Posttectonic Sedimentation: Implications for Hydrocarbon Exploration, Journal of The Geological Society (London), v. 174, p. 336-352. <https://doi.org/10.1144/jgs2016-030>.
76. El Gazzar, A.M., Moustafa, A.R., and Bentham, P., 2016, Structural evolution of the Abu Gharadig field area, Northern Western Desert, Egypt: Journal of African Earth Sciences, v. 124, p. 340-354.
75. Afifi, A.S., Moustafa, A.R., and Helmy, H.M., 2016, Fault block rotation and footwall erosion in the southern Suez Rift: Implications for hydrocarbon exploration: Journal of Marine & Petroleum Geology, v. 76, p. 377-396.
74. Maqbool, A., Moustafa, A.R., Dowidar, H., and Yousef, M., 2016, Architecture of fault damage zones of normal faults, Gebel Ataq area, Gulf of Suez rift, Egypt: Journal of Marine & Petroleum Geology, v. 77, p. 43-53.
73. Maqbool, A., Moustafa, A.R., Dowidar, H., and Yousef, M., 2014, Structural setting of Gebel Ataq area, Gulf of Suez, Egypt: Implications for rift-related fault array: Egypt. Jour. Geol., v. 58, p. 205-221.
72. Moustafa, A.R., Abdel-Tawab, S., and Abdelhamy, M., 2014, Fault damage zones case study, Abu Roash area, southwest Cairo, Egypt: Egypt. Jour. Geol., v. 58, p. 255-270.

71. Saoudi, A., Moustafa, A. R., Farag, R.I., Omara, M.M., Wally, H., Fouad, A., Tag, A., and Ragab, R.Z., 2014, Dual porosity fractured Miocene syn-rift dolomite reservoir in the Issaran Field (Gulf of Suez, Egypt): a case history of the zonal isolation of highly fractured water carrier bed, In: Spence, G. H., Redfern, J., Aguilera, R., Bevan, T. G., Cosgrove, J. W., Couples, G. D. & Daniel, J.-M. (eds): *Advances in the Study of Fractured Reservoirs*, Geological Society of London Special Publication 374, p. 379–394. First published online September 5, 2012, <http://dx.doi.org/10.1144/SP374.7>
70. Moustafa, A.R., Salama, M.E., Khalil, S.M., and Fouda, H.G., 2014, Sinai Hinge Zone: A major crustal boundary in NE Africa: *Journal of the Geological Society of London*, v. 171, p. 239-254.
69. Moustafa, A. R., 2014, Structural architecture and tectonic evolution of the Maghara inverted basin, Northern Sinai, Egypt: *Journal of Structural Geology*, v. 60, p. 80-96.
68. Moustafa, A.R. and Fouda, H.G.A., 2014, Structural architecture and tectonic evolution of the Yelleg inverted half graben, northern Sinai, Egypt: *Marine and Petroleum Geology*, v. 51, p. 286-297.
67. Moustafa, A. R., 2013, Fold-related faults in the Syrian Arc belt of northern Egypt: *Marine and Petroleum Geology*, v. 48, p. 441-454.
66. Afifi, A., Moustafa, A.R., and Helmy, H., 2013, Structural evolution of the southern Gulf of Seuz rift: Implications for hydrocarbon exploration in a mature basin: *Egyptian Geophysical Society*, v. 10, p. 12-31.
65. Bevan, T.G. and Moustafa, A.R., 2012, Inverted Rift-Basins of Northern Egypt, In: Roberts, D.G. and Bally, A.W. (eds): *Regional geology and tectonics: Phanerozoic rift systems and sedimentary basins*, v. 1B, Elsevier, p. 483-507.
64. Sobhy, H. and Moustafa, A.R., 2011, Tectonic evolution of the Belayim Marine oil field: *Annals of the Geological Survey of Egypt*, v. 31, p. 99-107.
63. Moustafa, A.R., 2010, Structural setting and tectonic evolution of north Sinai folds, Egypt, In: C. Homberg and M. Bachmann (eds.): *Evolution of the Levant Margin and Western Arabia Platform since the Mesozoic*, Geological Society of London Special Publication 341, p. 37-63.
62. Yousef, M., Moustafa, A.R., and Shann, M., 2010, Structural setting and tectonic evolution of offshore north Sinai, Egypt: In: C. Homberg and M. Bachmann (eds.): *Evolution of the Levant Margin and Western Arabia Platform since the Mesozoic*, Geological Society of London Special Publication 341, p. 65-84.
61. Yousef, M., Moustafa, A.R., Bosworth, W., and Helgeson, D., 2010, Structural and tectonic evolution of East Bahariya concession, northern Western Desert, Egypt: *Egypt. Jour. Geol.*, v. 54, p. 1-16.
60. Al-Mahmoud, M.J., Khalil, M. and Moustafa, A.R., 2009, The Jinadriyah Anticlines; A surface Model for Oil Fields in Eastern Saudi Arabia: *Arab J. Geosci.*
59. Moustafa, A.R., 2008, Mesozoic-Cenozoic basin evolution in the northern Western Desert of Egypt, In: Salem, M., El-Arnauti, A., and Saleh, A. (eds.): *3rd Symposium on the Sedimentary Basins of Libya (The Geology of East Libya)*, v. 3, p. 29-46.
58. Moustafa, A.R., Abd El-Aziz, M., and Gaber, W., 2008, Tiba – Natrun - Kattaniya Basin, Northern Western Desert (Egypt): Impact of fault orientations on basin inversion In: Salem, M.J. and El-Hawat, A.S. (eds.): *3rd Symposium on the Sedimentary Basins of Libya (The Geology of East Libya)*, v. 1, p. 295-310.
57. Hussein, H.M., Marzouk, I.A., Moustafa, A.R., and Hurukawa, N., 2006, Preliminary seismicity in the southern Gulf of Suez: August 1994 through December 1997: *Jour. African Earth Sci.*, v. 45, no. 1, p. 48-60.
56. Moustafa, A.R., 2005, Geology of Abu Roash area: A window on Western Desert inverted basins: *Guidebook of Field trip no. 5, SEG-EGS-EPEX-EPA Cairo 2005 2nd International Petroleum conference (Cairo, May 16-19, 2005)*, 44 p.
55. Hussein, H.M., Marzouk, I., Moustafa, A.R., and Hurukawa, N., 2004, Seismicity and focal mechanisms in the southern Gulf of Suez: *NRIAG Journal of Geophysics, Special issue*, p. 149-171.
54. Abd-Allah, M.A., Moustafa, A.R., and Hashem, W.A., 2004, Structural characteristics and analysis of the Gebel El Halal fold, Northeast Sinai, Egypt: *MERC, Ain Shams Univ., Earth Sci. Ser.*, v. 18, p. 1-26.

53. Moustafa, A.R., 2004, Geologic maps of the Eastern side of the Suez rift (western Sinai Peninsula), Egypt: AAPG/Datapages, Inc. GIS Series (Geologic maps and cross sections in digital format on CD).
52. Gawthorpe, R.L., Jackson, C.A., Young, M.Y., Sharp, I.R., Moustafa, A.R., and Leppard, C.W., 2003, Normal fault growth, displacement localisation and the evolution of normal fault populations: the Hammam Faraun fault block, Suez rift, Egypt: *Journal of Structural Geology*, v. 25, no. 6, p. 883-895.
51. Moustafa, A.R., Saoudi, A., Moubasher, A., Ibrahim, I.M., Molokhia, H., and Schwartz, B., 2003, Structural setting and tectonic evolution of the Bahariya Oasis, Western Desert, Egypt, *GeoArabia*, v. 8, p. 87-120.
50. Gawthorpe, R.L., Moustafa, A.R., Pivnik, D., and Sharp, I., 2002, Syntectonic sedimentation in rifts: examples from the Sinai margin and subsurface of the Gulf of Suez, Egypt: Guidebook of Field workshop no. 10 (post-conference excursion), AAPG-EPEX-SEG-EGS-EAGE International meeting (Cairo, Oct. 27-30, 2002), 116 p.
49. Moustafa, A.R., 2002, Geology of the pyramids: Guidebook of Field excursion no. 6 (pre-conference excursion), AAPG-EPEX-SEG-EGS-EAGE International meeting (Cairo, Oct. 27-30, 2002), 52 p.
48. Moustafa, A.R., 2002, Controls on the geometry of transfer zones in the Suez Rift and NW Red Sea: Implications for the structural geometry of rift systems: *AAPG Bull.*, v. 86, p. 979-1002.
47. Moustafa, A.R., 1998, Transfer zones of variable scales and effect of pre-rift structures: A field trip guidebook (post-conference trip #3): AAPG Hedberg Conference (Integrated Structural and Sequence Stratigraphic Analysis in Rift Settings), OCTOBER 20-22, 1998, Cairo, Egypt, 96 p.
46. Moustafa, A.R., 1998, Transfer Zones in the Suez Rift (extended abstract): AAPG Hedberg Conference (Integrated Structural and Sequence Stratigraphic Analysis in Rift Settings), OCTOBER 20-22, 1998, Cairo, Egypt, 4 p.
45. Moustafa, A.R., El-Badrawy, R., and Gibali, H., 1998, Pervasive E-ENE oriented faults in the northern Egypt and their relationship to Late Cretaceous petroliferous basins in the northern Western Desert: *Proc. 14th EGPC Expl. & Prod. Conf.*, Cairo, v. 1, p. 51-67.
44. Abd El-Aziz, M., Moustafa, A.R., and Said, S.E., 1998, Impact of basin inversion on hydrocarbon habitat in the Qarun Concession, Western Desert, Egypt: *Proc. 14th EGPC Expl. & Prod. Conf.*, Cairo, v. 1, p. 139-155.
43. Moustafa, A.R., 1997, Structural characteristics of updip sides of half grabens and effect of pre-rift structures on rift geometry: northeastern part of the Suez rift: *Annales Tectonicae*, v.11, no. 1-2, p. 58-74.
42. Moustafa, A.R., 1997, Controls on the development and evolution of transfer zones: The influence of basement structure and sedimentary thickness in the Suez rift and Red Sea: *Journal of Structural Geology*, v. 19, p. 755-768.
41. Moustafa, A.R., 1996, Structural setting and tectonic evolution of the northern Hammam Faraun Block (Wadi Wasit-Wadi Wardan area), eastern side of the Suez rift: *Kuwait Journal of Science and Engineering*, v. 23, p. 105-132.
40. Moustafa, A.R., 1996, Internal structure and deformation of an accommodation zone in the northern part of the Suez rift: *Journal of Structural Geology*, v. 18, p. 93-107.
39. Moustafa, A.R. and Khalil, M.H., 1995, Superposed deformation in the northern Suez rift, Egypt: Relevance to hydrocarbon exploration: *Jour. Petrol. Geol.*, v. 18, p. 245-266.
38. Moustafa, A.R. and Khalil, S.M., 1995, Rejuvenation of the Tethyan passive continental margin of northern Sinai: Deformation style and age (Gebel Yelleq area): *Tectonophysics*, v. 241, p. 225-238.
37. Khalil, M.H. and Moustafa, A.R., 1994, Tectonic framework of northeastern Egypt and its bearing on hydrocarbon exploration: *Proceedings of 12th EGPC Exploration and Production Conf.* (Cairo, Nov. 1994), p. 67-86.
36. Moustafa, A.R., 1994, Internal structure and deformation of the Gharandal accommodation zone, northern part of the Suez rift: *MERC, Ain Shams Univ., Earth Sci. Ser.*, v. 8, p. 113-130.
35. Moustafa, A.R. and Khalil, M.H., 1994, Rejuvenation of the Eastern Mediterranean passive continental margin in northern and central Sinai: New data from the Themed Fault: *Geological Magazine*, v. 131, p. 435-448.

34. Patton, T.L., Moustafa, A.R., Nelson, R.A., and Abdine, A.S., 1994, Tectonic evolution and structural setting of the Gulf of Suez rift, In: S.M. Landon (editor), Interior Rift Basins: Amer. Assoc. Petrol. Geol. Memoir 59, p. 9-55.
33. Moustafa, A.R., 1993, Structural characteristics and tectonic evolution of the east margin blocks of the Suez rift: Tectonophysics, v. 223, p. 381-399.
32. Moustafa, A.R. and El-Raey, A.K., 1993, Structural characteristics of the Suez rift margins: Geologisch Rundschau, v. 82, p. 101-109.
31. Moustafa, A.R. and Yousif, M.S., 1993, Structural evolution of the eastern shoulder of the Suez rift: Um Bogma area: N. Jb. Geol. Palaont. Mh., 1993, no. 11, p. 655-668.
30. Moustafa, A.R., 1992, A new technique for the analysis of directional and orientational data: Computers and Geosciences, v. 18, p. 1107-1120.
29. Moustafa, A.R., 1992, Structural setting of the Sidri-Feiran area, Eastern side of the Suez rift: MERC, Ain Shams University, Earth Sci. Ser., v. 6, p. 44-54.
28. Moustafa, A.R., 1992, The Feiran tilted blocks: An example of a synthetic transfer zone, Eastern side of the Suez rift: Annales Tectonicae, v. 6, no. 2, p. 193-201.
27. Moustafa, A.R. and Abd-Allah, A.M., 1992, Transfer zones with en echelon faulting at the northern end of the Suez rift: Tectonics, v. 11, p. 499-506.
26. Moustafa, A.R. and Abdeen, M.M., 1992, Structural setting of the Hammam Faraun block, Eastern side of the Suez rift: Journal of the University of Kuwait (Science), v. 19, p. 291-309.
25. Zakir, F.A. and Moustafa, A.R., 1992, Structural setting of Jabal Abu Ghurrah area, Wadi Fatima, west-central Saudi Arabia: Journal of King Abdulaziz University (Earth Sciences), Jeddah, Saudi Arabia, v. 5, p. 177-201.
24. Moustafa, A.R. and Abd-Allah, A.M., 1991, Structural setting of the central part of the Cairo-Suez District: MERC, Ain Shams University, Earth Sci. Ser., v. 5, p. 133-145.
23. Moustafa, A.R., El-Nahas, F., and Abdel Tawab, S., 1991, Engineering geology of Mokattam city and vicinity, eastern Greater Cairo, Egypt: Engineering Geology, v. 31, p. 327-344.
22. Moustafa, A.R., Khawasik, S., and Khalil, S., 1991, Late Cretaceous-Tertiary rotational deformation in North Sinai (Gebel Yelleq area): N. Jb. Geol. Palaont. Mh., Stuttgart, no. 11, p. 643-653.
21. Moustafa, A.R. and Khalil, M.H., 1990, Structural characteristics and tectonic evolution of north Sinai fold belts, In: R. Said (editor), The Geology of Egypt, Balkema Publishers, Rotterdam, Netherlands, Chapter 20, p. 381- 389.
20. Moustafa, A.R. and Yousif, M.S., 1990, Two-stage wrench deformation at Gebel El Minsherah, north Sinai: MERC, Ain Shams Univ., Earth Sci. Ser., v. 4, p. 112-122.
19. Moustafa, A.R., Khalil, M.H., Patton, T.L., and Thompson, T.L., 1990, Structural styles and tectonics of the Sinai Peninsula, Egypt: A field trip guidebook: Egyptian Petroleum Exploration Society, 88 p.
18. El-Nahas, F.M., Moustafa, A.R., and Abdel-Tawab, 1990, Geotechnical characteristics of limestone formations in Gebel Mokattam area: 1st Alexandria Conf. on Structural and Geotechnical Engineering (ACSGE), Alexandria, December 1-3, 1990, 11p.
17. Moustafa, A.R. and Khalil, M.H., 1989, North Sinai structures and tectonic evolution: MERC, Ain Shams Univ., Earth Sci. Ser., v. 3, p. 215-231.
16. Moustafa, A.R., 1988, Structural geology of Sierra Del Carmen, Trans-Pecos Texas, Geologic Quadrangle Map no. 54, Bureau of Economic Geology, The Univ. of Texas at Austin, 28 p.
15. Moustafa, A.R., 1988, Wrench tectonics in the north Western Desert of Egypt (Abu Roash area, Southwest of Cairo): MERC, Ain Shams Univ., Earth Sci. Ser., v. 2, p. 1-16.
14. Moustafa, A.R. and Fouda, H.G., 1988, Gebel Sufr El Dara accommodation zone, southwestern part of the Suez rift: MERC, Ain Shams Univ., Earth Sci. Ser., v. 2, p. 227-239.
13. Abdel Aal, A. and Moustafa, A.R., 1988, Structural framework of the Abu Gharadig basin, Western Desert, Egypt: 9th EGPC Expl. and Prod. Conf., Cairo, 16 p.
12. Moustafa, A.R., 1987, Drape folding in the Baba-Sidri area, Eastern Side of the Suez rift: Egypt. Jour. Geology, v. 31, p. 15-27.
11. Moustafa, A.R. and El Shaarawy, O.A., 1987, Tectonic setting of the northern Gulf of Suez: Proc. 5th Ann. Meeting, Egypt. Geophys. Soc., p. 339-368.
10. Moustafa, A.R. and Khalil, M.H., 1987, The Durba-Araba fault, southwest Sinai: Egypt. Jour. Geol., v. 31, p. 1-13.

9. Moustafa, A.R. and Abdel Tawab, S., 1985, Morphostructures and non-tectonic structures of Gebel Mokattam: Mid. East Res. Cent., Ain Shams Univ., Sci. Res. Ser., v. 5, p. 65- 78.
8. Moustafa, A.R., Yehia, M.A., and Abdel Tawab, S., 1985, Structural setting of the area east of Cairo, Maadi and Helwan: Mid. East Res. Cent., Ain Shams Univ., Sci. Res. Ser., v. 5, p. 40-64.
7. Abdel-Rahman, M.A., Embabi, N.S., El-Etr, H.A., and Moustafa, A.R., 1985, Some geomorphological aspects of Siwa Depression, the Western Desert of Egypt: Bull. Soc. Geogr. d'Egypte, v. 53-54, p. 17-41.
6. El-Etr, H.A. and Moustafa, A.R., 1982, Lineations patterns of the central Western Desert, NASA CR-3611, p. 51-56.
5. El-Etr, H.A. and Moustafa, A.R., 1980, Utilization of orbital imagery and conventional aerial photography in the delineation of the regional lineation pattern of the central Western Desert of Egypt with a particular emphasis on the Bahariya Region, In: The Geology of Libya, v. 3: Academic Press, New York, p. 933-953.
4. Abdel-Rahman, M.A., El-Etr, H.A., and Moustafa, A.R., 1980, Orientational, geometrical and distributional characteristics of the isolated hills of Siwa Region, Egypt: Mid. East Res. Cent., Ain Shams Univ., Sci. Res. Ser., v. 1, no. 7, p. 193-217.
3. El-Baz, F., Boulos, L., Breed, C., Dardir, A., Dowidar, H., El-Etr, H., Embabi, N., Grolier, M., Haynes, V., Ibrahim, M., Issawi, B., Maxwell, T., McCauley, J., McHugh, W., Moustafa, A.R., and Yousif, M., 1980, Journey to the Gifl Kebir and Uweinat, southwest Egypt, 1978: The Geographical Journal, v. 146, pt. 1, p. 51-93.
2. El-Etr, H.A., Moustafa, A.R., and El-Baz, F., 1979, Photolineaments in the ASTP stereostrip of the Western Desert of Egypt, In: Apollo-Soyuz Test Project (ASTP) Summary Science Report, v. 2, NASA SP-412, p. 97-105.
1. El-Etr, H.A. and Moustafa, A.R., 1978, Field relations of the main basalt occurrences of the Bahariya Region, central Western Desert, Egypt: Proc. Egypt. Acad. Sci., v. 31, p. 191-201.

ABSTRACTS SUBMITTED TO INTERNATIONAL & LOCAL MEETINGS

1. Moustafa, A.R., 1983, Superposed Laramide and Basin-and-Range deformation, Big Bend region, Texas: Geological Society of America Annual Meeting, Abstracts with program, v. 16, no. 6, p. 648.
2. Muehlberger, W.R. and Moustafa, A.R., Late Cenozoic pull-apart graben development, Big Bend region, Texas: AAPG Annual Meeting, AAPG Bull., v. 68, p. 510.
3. Moustafa, A.R. and Khalil, M.H., 1988, Late Cretaceous-Early Tertiary dextral transpression in north Sinai-Reactivation of the Tethyan continental margin: AAPG Mediterranean basins conference (Nice, France, September 2002).
4. Khalil, M. and Moustafa, A.R., 1994, Tectonic framework of northeast Egypt and its bearing on hydrocarbon exploration: Abstract (AAPG annual meeting), AAPG Bulletin, v. 79, no. 8.
5. Moustafa, A.R., 1998, Transfer faults in the Suez rift: AAPG Hedberg Conference (Cairo, Oct. 1998).
6. Moustafa, A.R., Saoudi, A., Moubasher, A., Mohamed, I.M., Molokhia, H., and Schwartz, B., 2000, Structural setting of the Bahariya Oasis and relationship to the nearby part of the West Beni Suef Concession: International Conference on the Western Desert (Cairo, January 2000).
7. Moustafa, A.R., Structural style and timing of syrian arc deformation in northern Egypt: AAPG International meeting (Cairo, Oct. 2002).
8. Moustafa, A.R., Abdel El-Aziz, M., and Gaber, W., Effect of basin geometry on locating promising hydrocarbon traps: Tiba Natrun – Kattaniya inverted basin, northern Western Desert (Egypt): AAPG International meeting (Cairo, Oct. 2002).
9. Moustafa, A.R., El-Barkooky, A.N., Mahmoud, A., Badran, A.M., Helal, M.A., Nour El Din, M., and Fathy, H., Matruh basin: hydrocarbon plays in an inverted Jurassic-Cretaceous rift basin in the northern Western Desert of Egypt: AAPG International meeting (Cairo, Oct. 2002).
10. Fathy, H. and Moustafa, A.R., Gouda, S., Schreurs, J., and Demyttenaere, R., 2002, Mediterranean deep-water Tertiary play across a typical Western Desert domain (offshore Matruh, Egypt): AAPG International meeting (Cairo, Oct. 2002).

11. Reda, T.M., Moustafa, A.R., Abd-Allah, A.M., and Dolson, J.C., 2002, Fault-propagation folding in the October field, northern Gulf of Suez, Egypt: AAPG International meeting (Cairo, Oct. 2002).
12. Youssef, S., Moustafa, A.R., Fahmy, I., El-Banbi, A., Aly, A., Emara, M., and El-Homosany, A., 2002, An integrated approach to optimizing a large asset-static modeling: AAPG International meeting (Cairo, Oct. 2002).
13. El Awdan, A., and Youssef, F., and Moustafa, A.R., Effect of Mesozoic and Tertiary deformations on hydrocarbon exploration in the northern Western Desert, Egypt: AAPG International meeting (Cairo, Oct. 2002).
14. Gawthorpe, R., Sharp, I., Moustafa, A.R., Jackson, C., Leppard, C., and Young, M., 2002, Normal fault population evolution and stratigraphic response: An example from the Hammam Faraun block, Suez rift, Egypt: AAPG International meeting (Cairo, Oct. 2002).
15. Saied, K., El Shamy, A., and Moustafa, A.R., Superimposed Mesozoic deformations and hydrocarbon play concept in the northern Western Desert, Egypt- Example from Umbarka area: AAPG International meeting (Cairo, Oct. 2002).
16. Mahmoud, A., El-Saadany, M., El-Barkooky, A.N., Moustafa, A.R., and Saad, M., Obayid field: a major challenge for hydrocarbon exploration in the Western Desert of Egypt: AAPG International meeting (Cairo, Oct. 2002).
17. Gawthorpe, R.L., Jackson, C.A., Sharp, I.R., Young, M.J., Moustafa A.R., and Leppard, C.W., 2003, Fault Population Evolution in the Central Dip Province of the Suez Rift, Egypt: American Geophysical Union, Fall Meeting.
18. Moustafa, A.R. and Abou-Shadi, F., 2004, Early history of the Nile Delta region: GEO 2004 (Bahrain, March 2004).
19. Abou-Shadi, F. and Moustafa, A.R., 2004, Egypt delta systems from Oligocene to Recent: A dynamic shift in response to structural events: Mediterranean Offshore Conference (Alexandria, April 2004).
20. Moustafa, A.R., 2004, Mesozoic-Cenozoic basin evolution in the northern Western Desert of Egypt: 3rd Symposium on Geology of East Libya (Binghazi, Libya, Nov. 2004).
21. Moustafa, A.R., Abd El-Aziz, M., and Gaber, W., 2004, Tiba – Natrun - Kattaniya Basin, Northern Western Desert (Egypt): Impact of fault orientations on basin inversion: 3rd Symposium on Geology of East Libya (Binghazi, Libya, Nov. 2004).
22. Hussein, H.M., Marzouk, I., Moustafa, A.R., and Hurukawa, N., 2004, Seismicity and focal mechanisms in the southern Gulf of Suez: 10th General Scientific Meeting, National Research Institute of Astronomy and Geophysics (Cairo, Egypt, Dec. 2004).
23. Moustafa, A.R., 2005, Neotectonics: National committee of International Union of Geophysics and Geodesy (IUGG), Earth Dynamics workshop (Ain Shams University, Cairo, May 8, 2005).
24. El Tonbary, M., Bakry, G., El Desouky, W., El Kharbotly, K., Shrweid, S., Khedr, M., Nour El Din, M., Waheeb, M., Moustafa, A.R., Helal, M., Demyttenaere, R., Abdel Halim, A., and Zaki, Z.S., 2005, Abu Gharadig basin regional framework study, revived prospectivity in a matured basin: SEG-EGS-EPEX-EPA Cairo 2005 2nd International Petroleum conference (Cairo, May 16-19, 2005).
25. Moustafa, A.R. and Gibali, H., 2005, Structural Setting and tectonic evolution of Syrian Arc folds at Gebel Yelleg (North Sinai, Egypt): 1st International Conference on the Geology of the Tethys, held by the Tethys Geological Society (November 2005, Cairo University, Egypt).
26. Moustafa, A.R., 2005, Structural architecture of Late Cretaceous-Early Tertiary inverted structures in northern Sinai (Gebel Maghara area): 43rd Annual meeting of the Geological Society of Egypt.
27. Moustafa, A.R. and Salama, M.E., 2005, The Sinai hinge zone: A major crustal boundary in northern Sinai: 43rd Annual meeting of the Geological Society of Egypt.
28. Yousef, M., Moustafa, A.R., and Shann, M., 2006. The Petroleum Play Systems in the Mango–Tineh area: Offshore North Sinai, Egypt (Abs). In The 8th International Conference on the Geology of the Arab World. Cairo University, Cairo, Egypt.
29. Moustafa, A.R., 2006, Structural setting and tectonic evolution of northern Sinai, Egypt: Invited paper, 8th International Conference on the Geology of the Arab World, Cairo University, February 2006.
30. Moustafa, A.R., 2009, Mesozoic-Cenozoic structural history of northern Egypt: Impact on hydrocarbon exploration in the northern Western Desert: abstract: AAPG Western Desert Geotechnology Workshop (Cairo, April 2009).

31. Yousef, M., Moustafa, A.R., Bosworth, W., and Helgeson, D., 2009, Three-dimensional structural model and fault trap analysis of East Bahariya concession, northern Western Desert, Egypt: Annual meeting of the Geological Society of Egypt (Dec. 2009).
32. El-Hadidy, S.M., Moustafa, A.R., and El-Tonbary, M., 2009, Structural deformation and fault-propagation folding in the northern Western Desert (Sitra area): Annual meeting of the Geological Society of Egypt (Dec. 2009).
33. Farag, M., Moustafa, A.R., and Abd El-Aziz, M., 2009, Structural analysis of Qarun Oilfield, Egypt: Annual meeting of the Geological Society of Egypt (Dec. 2009).
34. Al-Mahmoud, M.J., Khalil, M.H., and Moustafa, A.R., 2010, Tectonic effects on the hydrodynamics of the Arab-D reservoir in eastern Arabia: GEO 2010 (Bahrain).
35. El-Barkooky, A.N. and Moustafa, A.R., 2010, Tectonostratigraphic framework of petroleum systems in Egypt: AAPG annual meeting, New Orleans (USA).
36. Moustafa, A.R., 2011, Faults and fractures in carbonate reservoirs: Khuff Formation of Arabian Peninsula (abs): EAGE Third Arabian Plate Geology Workshop (Permo-Triassic (Khuff) Petroleum System of the Arabian Plate), Kuwait, 28 Nov. – 1 Dec. 2011.
37. Afifi, A.S., Moustafa, A.R., and Helmy, H.M., 2013, Challenge of hydrocarbon exploration of pre-salt reservoirs in the southern Gulf of Suez rift: AAPG/SEG Exploration of subsalt structures in rift basins workshop (Dead Sea, Jordan, October 7-9, 2013).
38. Moustafa, A.R., 2013, Structural challenges for hydrocarbon exploration in the northern Red Sea: GANOPE Multi-client Red Sea Workshop (Cairo, Dec. 9, 2013).
39. Abou Shadi, F. and Moustafa, A.R., 2014, Trap styles and their hydrocarbon reserves in the northern Western Desert: A statistical approach: Mediterranean Offshore Conference (Alexandria, Dec. 8-11, 2014).
40. Lucic, D., Moustafa, A.R., Khateeb, H.E., Mohamed, I., Thomas, P., and Sobhy, H., 2016, Integrating geological knowledge, seismic and non-seismic technologies to tap the remaining HC potential on the example of East Ras Budran Offshore Concession, Gulf of Suez, Egypt: EAGE/SPE Subsalt Imaging Workshop: Challenges of Subsalt Imaging and Exploration (Dubai, UAE May 2-4, 2016).
41. Moustafa, A.R., 2018, Structural setting of the southern Gulf of Suez – Northern Red Sea area: SEG Red Sea Exploration Workshop (Hurghada, Egypt, Nov. 2018).
42. Attia, I. and Moustafa, A.R., 2022, Importance of Comprehensive Geological Models to Improve the Seismic Data Processing and Interpretation: Lessons Learned from the Gulf of Suez Rift Basin: SEG Red Sea Exploration Workshop (Hurghada, Egypt, Nov. 2022).
43. Moustafa, A.R. and El-Barkooky, A.N., 2023, Geological evolution of the East Mediterranean southern margin: onshore insights projected to hydrocarbon exploration of the offshore area: SEG Mediterranean Gas Exploration Symposium (Al-Alamein City, Egypt, May 9-11, 2023).
44. Attia, I., Moustafa, A.R., AbdulGaffar, M., 2023, New geological concepts for unlocking the potential of Red Sea hydrocarbon exploration: ICMERS (International Conference on the Marine Environment of the Red Sea at KAUST), Nov. 13-15, 2023, King Abdullah University for Science and Technology, Kingdom of Saudi Arabia.