CURRICULUM VITAE

(Prof. Dr. Mahmoud Aref)

(February 2016)

❖ *Personal data:*

Name	**:** Mahmoud Ahmed Mohamed Aref
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Date of Birth	**:** 10.1.1962
Place of Birth	**:** Giza, Egypt
Nationality	**:** Egyptian
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❖ *Occupation:*

(2007-till now)	**:** Professor;	King Abdulaziz Univ., Fac. Earth Sciences.
(2003-2007)	**:** Professor;	Cairo Univ., Fac. Sci., Geol. Dept.
(1998-2003)	**:** Associate Professor;	Cairo Univ., Fac. Sci., Geol. Dept.
(1993-1998)	**:** Assistant Professor;	Cairo Univ., Fac. Sci., Geol. Dept.
(1989-1993)	**:** Assistant Lecturer;	Cairo Univ., Fac. Sci., Geol. Dept.
(1984-1989)	**:** Instructor;	Cairo Univ., Fac. Sci., Geol. Dept.

❖ *University Education:*

(1989-1993) : ***Ph. D. in Geology*** entitled: "Petrological and sedimentological studies on some sulphur-bearing evaporite deposits on the western side of the Gulf of Suez, Egypt", Examined and granted from USA, the certificate from Cairo University.

(1986-1989) : ***M. Sc. in Geology*** entitled: "Petrological and sedimentological studies on Gemsa Miocene Sequence and associated sulphur deposits, Red Sea, Egypt", Cairo University.

(1984-1986) : ***Pre-Master Courses*** in Sedimentation and Sedimentary rocks: Geol. Dept., Fac. Sci., Cairo University.

(1980-1984) : ***B.Sc. in Geology*** (Very Good with Class Honor): Geol. Dept., Fac. Sci., Cairo Univ.

❖ *Awards:*

1. The Egyptian Government hortatory Prize in Geology (1998), Ministry of Higher Education and State for Scientific Research.
2. The Cairo University hortatory Prize in Geology (2002), Cairo University.
3. The Geological Society of Egypt Prizes (Six) for the best researches (1992, 1993, 1996, 1996, 2000 and 2002).

4.The Sedimentological Society of Egypt prizes (Two) for the best researches (2002 and 2003).

❖ *Visiting Scientist:*

1. To Martin-Luther Universität, Halle-Wittenberg, Germany, in the period (27 / 9 -17 / 10 /2004).
2. To Martin-Luther Universität, Halle-Wittenberg, Germany, in the period (2-18 / 9 / 2003).
3. To Martin-Luther Universität, Halle-Wittenberg, Germany, in the period (18 / 6 – 19 / 7 / 2002).
4. To Martin-Luther Universität, Halle-Wittenberg, Germany, in the period (11-22 / 6 /2001).

❖ *Membership of Scientific Committee:*

1.The National Committee of the Geological Sciences of Egypt, Academy of Scientific Research, (January 17, 2005 – February 9, 2007).
2.The Council of the Researches of Basic Sciences, Academy of Scientific Research, (March 17, 2005 – February 9, 2007).
3.The Committee of the Researches of the Geological Sciences, Academy of Scientific Research, (March 17, 2005 – February 9, 2007).
4.The Committee of Mineral Wealth, Academy of Scientific Research, (October 18, 2004 – February 9, 2007).

❖ *Membership of Geological Societies:*

1.The Saudi Society for Geosciences (2007 – till now).
2.The Geological Society of Egypt (1984 - till now).
3.The Sedimentological Society of Egypt (1995 - till now).
4.The Mineralogical Society of Egypt (1987 - till now).
5.Egyptian Society for Quaternary Research (1999 – till now).

❖ *Organising Member:*

1.The Editorial Board of the Journal of Earth Sciences, King Abdulaziz University (2010 till now).
2.The Scientific Committee for the 8th annual meeting of the Saudi Society for Geosciences, Jeddah (2009).
3.Editor-in-Chief, Journal of Sedimentology of Egypt (2007).
4.Chairman of the Organizing Committee of the 8th International Conference on Geology of the Arab World, Cairo University (2004 - 2006).
5.Editor-in-Chief, Journal of Sedimentology of Egypt (2006).
6.Editorial Secretary, Journal of Sedimentology of Egypt (2004 and 2005).
7.The Executive Board and the Publishing Committee of the Sedimentological Society of Egypt (1999-February 2007).
8.The Committee of the third Int. Conf. Geol. Arab World, Cairo Univ. (1994-1996).
9.The Committee of the second Int. Conf. Geol. Arab World, Cairo Univ. (1992-1994).

❖ *Governmental Representative:*

1. Representative of the Academy of Scientific Research in the 8th Inter. Conf. of Jordanian Geologists Association, Amman, Jordan, 6-7 April 2004.

❖ *Teaching Experience:*

1. **Undergraduate students:**

(A) Saudi Arabia Undergraduate Students: Carbonates and Evaporites (EPS 321), Clastic Sedimentary Petrology (EPS 421), Introduction to Sedimentary Rocks (EPS 221), Stratigraphy and Sedimentation (EPS 211), Seminar (EPS 408), B. Sc. Project (EPS 499).

(B) Egyptian Undergraduate Students: Sedimentation, Sedimentary Petrology, Physical Geology, Geomorphology, Geological Mapping, Field Geology, Survey, Optical Mineralogy.

2. **Postgraduate students:**

(1) Saudi Arabia Graduate Students: Advanced Carbonates and Evaporites (EPS 632), Argillaceous sediments (EPS 631), Advanced Seminar (EPS 695), Advanced Field Training (EPS 690).

(2) Egyptian Graduate Students: Non-clastic sedimentary rocks, Diagenesis, Sedimentation, Sedimentary structures, Evaporites: (sedimentology, diagenesis, mineralogy, and depositional environment).

❖ *Supervisor:*

1. **M. Sc. Thesis** entitled "Sedimentological and Geomorphological Studies of Caves and Sinkholes in Markaz Adfah Quadrangle, Al Jouf Region, Saudi Arabia" (2016), completed.
3. **Ph. D. Thesis** entitled "Sedimentology and radioactivity of Bir Shab area and its surroundings, Western Desert, Egypt"- (2003), completed.
2. **Ph. D. Thesis** entitled "Mineralogical and sedimentological characteristics of some Eocene carbonates for cement industry in the Nile Valley and their economic potentiality"- (1995), completed.
3. **M. Sc. Thesis** entitled "Geology and radioactivity of Bir Abu Hussain area, south-eastern Desert, Egypt"- (2003), completed.
4. **M. Sc. Thesis** entitled "Sedimentological and petrological studies on the evaporite deposits of the Red Sea Region" – (2004), completed.
5. **M. Sc. Thesis** entitled "Environmental geochemical assessment of halite in solar salt works and ephemeral salina. Examples from the Mediterranean Coast of Egypt" – (2006), completed.
6. **M. Sc. Thesis** entitled "The geomorphologic and geologic roles on the development of the water resources, Esh El Mellaha area, Eastern Desert, Egypt" – (2006), completed.
7. **Ph. D. Thesis** entitled "Mineralogical and geochemical studies on swelling clays in some localities in northern Egypt and their suitability for the manufacture of pozzolanic cement- (2004).
8. **Ph. D. Thesis** entitled "Neogene evaporite textures, structures and depositional environments south of Mersa Alam area, Red Sea coast, Egypt" – (2005).

❖ *External examiner:*

1. M. Sc. Thesis entitled: "Sedimentological and geochemical studies on the Quaternary sediments in Abo Dabbab – Hamata area, Red Sea Coast" – By Tarek Anani, Mansoura University, (2004).
2. M. Sc. Thesis entitled: "Sedimentological and environmental studies on some islands in the Red Sea, Egypt", By Mohamed Tahoun, South Valley University, (2005).
3. M. Sc. Thesis entitled: "Sedimentology, mineralogy and geochemistry of the Murayr sabkha, Al-Jubayl area, Arabian Gulf, Saudi Arabia", By Basim Mousa, King Abdulaziz University, Saudi Arabia (2006).

❖ *Projects:*

(A) Saudi Arabia

1. Sedimentology, petrography and brine origin of Al-Kharrar sabkha, Red Sea coastal plain of Saudi Arabia. By: Taj, R. J. and Aref, M. A., King Abdulaziz University, Deanship of Scientific Research, Project number (425 / 145 / 1435). (Incomplete)
2. Laboratory Manual in Clastic Sedimentary Petrology. By: Taj, R. J. and Aref, M. A., King Abdulaziz University, Deanship of Scientific Research, Project number (304/145/1434). (Completed)
3. Microbial sedimentary structures, Al Zeeb sabkha, Saudi Arabia. King Abdulaziz University, Saudi Arabia. By: Basyoni, M. H. and Aref, M. A., King Abdulaziz University, Deanship of Scientific Research, Project number (1/145/1432). (Completed)
4. Sedimentological studies and brine chemistry on ephemeral and perennial saline ponds, Şarūm area, south Jeddah, Red Sea coast, Saudi Arabia. By: Taj, R. J. and Aref, M. A., King Abdulaziz University, Deanship of Scientific Research, Project number (289/145/1432). (Completed)
5. Introduction to Sedimentology and Stratigraphy. King Abdulaziz University, Saudi Arabia. By: Basyoni, M. H. and Aref, M. A., King Abdulaziz University, Deanship of Scientific Research, Project number (421/145/1432). (Completed)
6. Sedimentological and geochemical factors controlling the distribution of evaporite minerals in Jizan sabkha, Red Sea coastal plain of Saudi Arabia. By: Basyoni, M. H. and Aref, M. A., King Abdulaziz University, Deanship of Scientific Research, Project number (307/145/1432). (Completed)
7. Sediment volcanoes and mounds associated with microbial mats, south Jeddah Sabkha, Saudi Arabia. By: Taj, R. J. and Aref, M. A., King Abdulaziz University, Deanship of Scientific Research, Project number (4/145/1432). (Completed)
8. Biostratigraphy and sedimentology of the marine Neogene sediments in Ubhur-Rabigh Area, Red Sea Coast, Saudi Arabia. By: Mandurah, M. H. and Aref, M. A., King Abdulaziz University, Deanship of Scientific Research, Project number (205/1428). (Completed)

(B) Egypt

9. Microbial transformation of Evaporitic gypsum into diagenetic carbonates. Submitted to Centre National de la Recherche Scientifique (CNRS), the French National Research Council, (2006).
10. Sedimentology, mineralogy and geochemistry of Wadi Al-Natrun salinas, western Desert, Egypt, submitted to Cairo University, (2002).
11. Database for geotechnical projects, submitted to Educational Buildings Authority, (1998).
12. Surface oil seeps and smells in east Gebel El Zeit and East Esh El Mallaha Range, submitted to Marathon Petroleum Company, (1995).

❖ *Publications:*

1. Basyoni, M. and **Aref**, **M. A. M.**, 2016. Composition and origin of the sabkha brines, and their environmental impact on infrastructure in Jizan area, Red Sea Coast, Saudi Arabia. Environmental Earth Sciences, vol. 75, paper 105, p. 1-17.

2. Basyoni, M. and **Aref**, **M. A. M.**, 2015. Sediment characteristics and microfacies analysis of Jizan supratidal sabkha, Red Sea coast, Saudi Arabia. Arabian Jour. Geosciences, vol. 8 (11), p. 9973-9992.
3. Taj, R. and **Aref**, **M. A. M.**, 2015. Structural and textural characteristics of surface halite crusts of a supratidal, ephemeral halite pan, South Jeddah, Red Sea Coast, Saudi Arabia. Facies, vol. 61 (2), paper 2, p. 1-19.
4. Taj, R. and **Aref**, **M. A. M.**, 2015. Hydrochemistry, evolution and origin of brines in supratidal saline pans, south Jeddah, Red Sea Coast, Saudi Arabia. Arabian Jour. Geosciences. Vol. 8 (10), p. 8835-8851.
5. Taj, R.**, Aref, M. A. M.** and Schreiber, B. C., 2014. The influence of microbial mats on the formation of sand volcanoes and mounds in the Red Sea coastal plain, south Jeddah, Saudi Arabia. Sedimentary Geology, vol. 311, p. 60-74.
6. **Aref, M.A.M.,** Basyoni, M.H. and Bachmann, G., 2014. Microbial and physical sedimentary structures in modern evaporitic coastal environments of Saudi Arabia and Egypt. Facies, vol. 60 (2), p 371-388.
7. **Aref, M. A. M.** and Taj, R., 2013. Recent analog of gypsified microbial laminites and stromatolites in solar salt works and the Miocene gypsum deposits of Saudi Arabia and Egypt. Arabian Jour. Geosciences, vol. 6 (11), p 4257-4269.
8. Dawood, Y. H., **Aref, M.A.M**., Mandurah, M.H., Hakami, A. and Gameil, M., 2013. Isotope geochemistry of the Miocene and Quaternary carbonates in Rabigh area, Red Sea, Saudi Arabia, Jour. Asian Earth Sciences, vol. 77, p. 151–162.
9. Aloisi, G., Baudrand, M., Lécuyer, C., Rouchy, J.-M., Pancost, R.D., **Aref, M.A.M.**, and Grossi, V., 2013. Biomarker and isotope evidence for microbially-mediated carbonate formation from gypsum and petroleum hydrocarbons. Chemical Geology, vol. 347 (6), p. 199-207.
10. Mandurah, M. H. and **Aref, M. A. M.,** 2012. Lithostratigraphy and standard microfacies types of the Neogene carbonates of Rabigh and Ubhur areas, Red Sea coastal plain of Saudi Arabia. Arabian Jour. Geosciences, vol. 5, p. 1317–1332.
11. Mandurah, M. H. and **Aref, M. A. M.,** 2011. Petrography, microfacies types and diagenesis of the Neogene carbonates in Rabigh and Ubhur areas, Red Sea coast, Saudi Arabia. Sedimentology of Egypt, vol. 19, p 153-163.
12. **Aref, M. A. M**. and Mandurah, M. H., 2011. Lithostratigraphy, facies interpretation and depositional environment of the Lower Miocene gypsified stromatolites and microbial laminites, Rabigh and Ubhur areas, Red Sea Coast, Saudi Arabia. Jour. King Abdulaziz Univ., Earth Sciences, vol. 22/1, p. 117-139.
13. Baudrand, M., Aloisi, G., Martineau, F., Fourel, F., Lecuyer, C., Pancost, R., Blanc-Valleron, M-M., Rouchy, J-M., **Aref, M. A. M.** and Grossi, V., 2010. Microbial diagenesis of gypsum. Geochimica et Cosmochimica Acta, Goldschmidt Abstracts, vol. 74 (12), p. A60.
14. Mandurah, M. H. and **Aref, M. A. M.,** 2010. Petrography and diagenesis of the Miocene secondary gypsum enriched in microbialites, Ubhur and Rabigh areas, Red Sea coast, Saudi Arabia. Sedimentology of Egypt, vol. 18, p. 73-88.
15. Baudrand M., Aloisi G., C. Lécuyer, J.-M. Rouchy, M.-M. Blanc-Valleron, **M.A.M. Aref**, V. Grossi., 2009. Microbial diagenesis of evaporitic gypsum. Geochimica et Cosmochimica Acta, Goldschmidt Abstracts, vol. 73 (13), p. A94.
16. Taj, R. J. and **Aref, M. A. M**., 2009. Sediment characteristics and petrography of marginal marine ephemeral saline pans, Shuaiba Lagoons, Red Sea coast, Saudi Arabia. Sedimentology of Egypt, vol. 17, p. 27-44.

17. **Aref, M. A. M.** 2008, Analog of microbial laminites and stromatolites in recent salina-sabkha setting and the Messinian gypsum deposits of the western desert of Egypt, Proceedings of the 3rd Symposium on Geology of East Libya, vol. 1, p. 153-164.
18. Taj, R. J., M. R. Abou El-Safa and **Aref, M. A. M.**, 2006, Classification and interpretation of the Quaternary gypsum crusts (gypcrete) in Ayun Mousa area, West Sinai, Egypt. Proceedings of the 8th Inter. Conf. Geol. Arab World, Cairo Univ., vol. 2, p. 391-397.
19. Bachmann, G. H. and **Aref, M. A. M**., 2005, A seismite in Triassic gypsum deposits (Grabfeld Formation, Ladinian), southwestern Germany. Sedimentary Geology, vol. 180/1-2, p. 75-89.
20. Attia, O. E. A., El Khoriby, E. M. and **Aref, M.A.M**., 2004, Sedimentology and fluid inclusions criteria of the Upper Miocene (Messinian?) gypsum deposits in the Mediterranean Coast of Egypt. Sedimentology of Egypt, vol. 12, p. 23-39.
21. **Aref, M.A.M.,** 2003, Karst features; sedimentology and applications, State of the Art, PCSP, Supreme Council of Universities, 100 pp.
22. **Aref, M.A.M**., Göske, J., Abu El-Enain, F. M. and Abdallah, G., 2003, Mineralogical and geochemical characteristics of some Neogene evaporites in Egypt. 3rd Inter. Conf. on Geology of Africa, Assuit Univ., vol. 2, p. 265-282.
23. **Aref, M.A.M**., 2003, Classification and depositional environments of Quaternary pedogenic gypsum crusts (gypcrete) from east of the Fayum Depression, Egypt. Sedimentary Geology, vol. 155/1-2, p. 87-108.
24. **Aref, M.A.M**., 2003, Lithofacies characteristics, depositional environment and karstification of the Late Miocene (Messinian) gypsum deposits in the Northern Western Desert, Egypt, Sedimentology of Egypt, vol. 11, p. 9-27.
25. **Aref, M.A.M**., Abu El-Enain, F. M. and Abdallah, G., 2003, Origin of secondary gypsum rocks of the Miocene Abu Dabbab evaporites, northern Red Sea Coast, Egypt. Proceedings of the 5th International Conference on the Geology of the Middle East, Cairo, Egypt, p. 321-330.
26. **Aref, M.A.M**., El-Khoriby, E. and Hamdan, M.A., 2002, The role of salt weathering in the origin of the Qattara Depression, Western Desert, Egypt. Geomorphology, vol. 45, p. 181-195.
27. **Aref, M.A.M**. and Hamdan, M.A., 2002, Sedimentology and environmental interpretation of the evaporite deposits in the Qattara Depression, Western Desert, Egypt. Sedimentology of Egypt, vol. 10, p. 193-213.
28. Refaat, A.A. and **Aref, M.A.M.,** 2001, Environmental factors influencing textural pattern and mineralogical composition of coastal beach sediments of Ras El Behar-Ras Gemsa area and adjacent islands, northern Red Sea, Egypt. Sedimentology of Egypt, vol. 9, p. 43-55.
29. **Aref, M.A.M**., 2000, Halite and gypsum morphologies in Borg El-Arab solar salt works-a comparison with the underlying supratidal sabkha deposits, Mediterranean Coast, Egypt. Proceedings of the 5th Inter. Conf. Geol. Arab World, Cairo Univ., vol. 3, p. 1117-1134.
30. **Aref, M.A.M**. and Morsy, M.A., 2000, Polygonal shrinkage cracks filled with gypsum in the Upper Eocene, Fayum, Egypt. Sedimentology of Egypt, vol. 8A, p.89-103.
31. **Aref, M.A.M**., Attia, O.E.A. and Ammar, F.A.I., 1999, Recent continental evaporite sediments in El Bahariya Oasis, Western Desert, Egypt. Egypt. J. Geol., vol. 43/2, p. 55-79.
32. **Aref, M.A.M.,** 1998, Dolomite and dolomitization models, with special emphasis oin Egypt. Review article, PCSP, Supreme Council of Universities, 45 pp

33. **Aref, M.A.M.,** 1998, Biogenic carbonates: are they a criterion for underlying hydrocarbon accumulations. American Association of Petroleum Geologists Bulletin, vol. 82/2. p. 336-352.
34. **Aref, M.A.M**., 1998, Holocene stromatolites and microbial laminites associated with lenticular gypsum in a marine-dominated environment, Ras El Shetan area, Gulf of Aqaba, Egypt. Sedimentology, vol. 45, p. 245-266. (Impact Factor 2.611)
35. **Aref, M.A.M.,** 1997, Evaporitic sedimentation and genesis of elemental sulphur at Um Reigha area, Red Sea Coast, Egypt. Egypt. J. Geology, vol. 41/2A, p. 119-143.
36. Attia, O.E.A., **Aref, M.A.M.** and El Banna, M., 1997, Sedimentological significance of modern evaporite settings, northern Sinai, Egypt. Egypt. J. Geology, vol. 41/2A, p. 89-118.
37. **Aref, M.A.M.,** Attia, O.E.A., and Wali, A.M.A., 1997, Facies and depositional environment of the Holocene evaporites in the Ras Shukeir area, Gulf of Suez, Egypt: Sedimentary Geology, vol.110, p.123-145.
38. Attia, O.E., and **Aref, M.A.M.,** 1996, Fluid inclusions: application in the genesis of some native sulfur deposits, Gulf of Suez, Egypt: 3rd Int. Conf. Geol. Arab World, Cairo Univ., p.341-357.
39. Rouchy, J.M., Noel, D., Wali, A.M.A., and **Aref, M.A.M.,** 1995, Evaporitic and biosiliceous cyclic sedimentation in the Miocene of the Gulf of Suez - depositional and diagenetic aspects: Sedimentary Geology, vol. 94, p. 277-297.
40. **Aref, M.A.M**., Philip, G., and Wali, A.M.A., 1995, Facies and depositional environments of the Miocene evaporites in Shagar area, Gulf of Suez, Egypt: Egypt. J. Geol., vol. 39/2, p.835-867.
41. Wali, A.M.A., Philip, G., and **Aref, M.A.M.,** 1994, Petrological and sedimentological characteristics of the Miocene evaporites in Gebel El Zeit area, Gulf of Suez, Egypt: 2nd Int. Conf. Geol. Arab World, Cairo Univ., Egypt, p. 363-386.
42. Philip, G., Wali, A.M.A., and **Aref, M.A.M.,** 1994, On the origin of native sulfur deposits in Gebel El Zeit, Gulf of Suez, Egypt: Carbonates and Evaporites, vol. 9/2, p. 223-232.
43. Wali, A.M.A., and **Aref, M.A.M.,** 1994, The role of sulfur bacteria in the formation of sulfur deposits, Shagar area, Gulf of Suez, Egypt: Egypt. J. Geol., vol. 38/2, p. 763-781.
44. Wali, A.M.A., and **Aref, M.A.M.,** 1992, Dolomitization of a replacing bioepigenetic carbonate bodies, Gemsa area, Gulf of Suez, Egypt: Bull. Fac. Sci., Cairo Univ., vol. 60, p. 241-261.
45. Wali, A.M.A., Abd El-Wahab, S., and **Aref, M.A.M.,** 1991, Petrological characteristics and environmental conditions of the Miocene sulfur bearing evaporites, Gemsa area, Gulf of Suez, Egypt. Annals Geol. Surv. Egypt, vol. 17, p. 77-99.
46. Wali, A.M.A., El Dougdoug, A.A., and **Aref, M.A.M.,** 1990, Geology, isotope geochemistry and the role of salt spines on sulfur genesis, Gemsa area, Red Sea, Egypt. Annals Geol. Surv. Egypt, vol. 16, p. 1-15.

❖ *Published abstracts in Conferences and Societies:*

1. Taj, R. J. and **Aref, M. A. M.,** 2014. Influence of microbial mats in the formation of sand volcanoes and mounds in the Red Sea coastal plain, south Jeddah, Saudi Arabia. Inter. Conf. Marine Environment of the Red Sea (ICMERS), Fac. Marine Sciences, KAU, 10-13 November 2014.
2. **Aref, M. A. M.,** Taj, R. J. and Khofany, A. A., 2014. Sedimentological and petrographic characteristics of halite crusts in Ṣarūm ephemeral halite pan, south Jeddah, Red Sea

Coast, Saudi Arabia, Inter. Conf. Marine Environment of the Red Sea (ICMERS), Fac. Marine Sciences, KAU, 10-13 November 2014.

3. Basyoni, M. H. and **Aref, M. A. M.,** 2012. The role of speleothems in the formation of tepee structures in Dahban Solar Salt Works, North Jeddah, Saudi Arabia. 29th IAS Meeting of Sedimentology**,** Schladming/Austria, 10-13 September 2012.
4. Mandurah., M.H. and **Aref, M. A. M.** 2012. Depositional environment of the Lower Miocene gypsified stromatolites and microbial laminites in Rabigh and Ubhur areas, north Jeddah, Red Sea Coastal plain of Saudi Arabia. 29th IAS Meeting of Sedimentology**,** Schladming/Austria, 10-13 September 2012.
5. Grossi, V., Baudrand, M., Lécuyer, C., Rouchy, J.-M., Blanc-Valleron, M.-M., Aref, M.A.M. and Aloisi, G., 2011. Microbially-mediated carbonate formation from gypsum and oil. Poster présenté au 25e congrès international de géochimie organique (IMOG), Interlaken, Suisse, septembre 2011.
6. **Aref, M. A. M.** and Mandurah, M. H., 2011. Microfacies interpretation and depositional environment of the Lower Miocene gypsified stromatolites and microbial laminites, Rabigh and Ubhur areas, Red Sea coast, Saudi Arabia. Arabian Conf. Geosciences, King Saud Univ., Riyadh (25-28/4/2011).
7. Basyoni, M. H. and **Aref, M. A. M.,** 2011. Topographic and climatic factors controlling morphology and distribution of microbially induced sedimentary surface structures and karstic features in Rabigh coastal sabkha, Red Sea, Saudi Arabia. Arabian Conf. Geosciences, King Saud Univ., Riyadh (25-28/4/2011).
8. Taj, R. J. and **Aref, M. A. M.,** 2011. Recent sediments volcanoes and mounds induced by microbial activity in a coastal sabkha setting between Jeddah-Shuaiba areas, Red Sea, Saudi Arabia. Arabian Conf. Geosciences, King Saud Univ., Riyadh (25-28/4/2011).
9. Baudrand, M., Aloisi, G., Martineau, F., Fourel, F., Lecuyer, C., Pancost, R., Blanc-Valleron, M.-M. Rouchy, J.-M., **Aref, M.A.M.** and Grossi, V., 2010. Microbial diagenesis of gypsum. Communication orale effectuée lors de la Conférence Annuelle V.M. Goldschmidt *"Earth, Energy, and the Environment"*, Knoxville, USA, (Abstract).
10. Basyoni, M. H. and **Aref, M. A. M.,** 2010. Topographic control on the morphology and distribution of modern microbially induced sedimentary surface structures (MISS): case studies from Saudi Arabia and Egypt. 18th Sedimentological Congress, Mendoza, Argentina, 26 Sept.-1 Oct., (Abstract).
11. **Aref, M. A. M.** and Mandurah., M.H., 2010. Diagenetic and Depositional Significances of the Miocene Gypsified Laminites and Stromatolites, Red Sea Coastal Plain of Saudi Arabia and Egypt. 18th Sedimentological Congress, Mendoza, Argentina, 26 Sept.-1 Oct., (Abstract).
12. Baudrand M., Aloisi G., C. Lécuyer, J.-M. Rouchy, M.-M. Blanc-Valleron, **M.A.M. Aref**, V. Grossi. Microbial diagenesis of evaporitic gypsum. Communication orale effectuée lors de la Conférence Annuelle V.M. Goldschmidt *"Challenges to Our Volatile Planet"*, Davos, Suisse, juin 2009.
13. Basyoni, M. H. and **Aref, M. A. M.,** 2009. Physical- and microbial-induced sedimentary structures in Rabigh Sabkha, Red Sea Coast, Saudi Arabia. 8th Meeting of Saudi Society of Geosciences, Jeddah, (Abstract).
14. **M. A. M. Aref** and Taj., R. J. A.2009. Analog of microbial laminites and stromatolites in recent salina-sabkha settings and the Miocene gypsum deposits of Egypt and Saudi Arabia. 8th Meeting of Saudi Society of Geosciences, Jeddah, (Abstract).
15. M. H. Mandurah and **Aref, M. A. M.,** 2009. Origin and diagenesis of the Miocene secondary gypsum rocks at Rabigh area, Eastern Red Sea Coast, Saudi Arabia. 8th Meeting of Saudi Society of Geosciences, Jeddah, (Abstract).

16. Basyoni, M. H., **Aref, M. A. M**., and G. H. Bachmann, 2008. Physically and microbially induced sedimentary structures in evaporitic environment: case studies from Saudi Arabia, Egypt and Germany. 9th Inter. Conf. Geol. Arab World, Cairo Univ., 24-27 March 2007.
17. Basyoni, M. H. and **Aref, M. A. M**., 2007, Tepees versus petees in some Saudi and Egyptian sabkhas; factors controlling their distribution, morphology and origin. XI Congresso da Abequa, Belém, Pará, Brazil, 04-11 November 2007.
18. **Aref, M. A. M.** and Bachmann, G. H., 2006, Recent Gypsum Karst Features of Ras Shukeir Coastal Sabkha, Gulf of Suez, Egypt. 17th International Sedimentological Conference, ISC2006, Fukouka, Japan. 27 August -1 September 2006.
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