

Curriculum Vitae (C.V)

Prof. Dr. Abdalla Mousa Tolba Ibrahim El Ayyat
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Geology Department - Faculty of Science- Assiut University,
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Personal

Name: Abdalla Mousa Tolba Ibrahim El Ayyat.

Nationality: Egyptian.

Date and place of birth: 18 July 1961, El Minia, Egypt.

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Education

- 1- B.Sc. on Special Geology (Distinction degree), Assiut University, Egypt, 1983.
- 2- M. Sc. on Sedimentary rocks (Sedimentology and Stratigraphy), Assiut University, Egypt, 1989. Dissertation: "Stratigraphical and

sedimentological studies on the Lower Eocene carbonates, east of Sohag-Qena stretch, upper Egypt", p. 243, Assiut University.

- 3- Ph.D. on Sedimentary rocks (Stratigraphy and Sedimentology), Assiut University, Egypt, 1998. Dissertation: "Stratigraphical and sedimentological evolution of the Eocene sequence on the eastern side of the River Nile between Minia and Beni Suef, middle Egypt, Ph.D. Thesis, Assiut Univ., Assiut, p. 291.

Work Experience

- 1- From 8 December 1983 till 8 November 1989 as a demonstrator of Geology in Geology Department, Assiut University, Egypt.
- 2- Short-term scholarship (July, 1990 to September 1990) at technical University of Munich in Germany.
- 3- From 8 November 1989 till 28 February 1993 as an assistant lecturer in Geology Department, Assiut University, Egypt.
- 4- From 1 March 1993 till 28 February 1997 as a guest researcher at Vienna University, Austria, through OEAD scholarship, Austrian Government, for a period of 3 years.
- 5- From 1 March 1997 till 18 April 1999 as an assistant lecturer in Geology Department, Assiut University, Egypt.
- 6- From 18 April 1999 till now as a lecturer of Geology Department, Assiut University, Egypt.
- 7- From 25 November 2007 till 26 March 2017 as an assistant professor in Geology Department, Assiut University, Assiut 71516, Egypt.
8. From 26 March 2017 till now as a professor of sedimentary rocks and stratigraphy in Geology Department, Assiut University, Assiut71516, Egypt.

9. From 15 October 2019 till now as a head of the Geology Department, Assiut University, Assiut 71516, Egypt.

Publications

1. **El Ayyat, A. M.** (1989): Stratigraphical and sedimentological studies on the Lower Eocene carbonates, east of Sohag/Qena stretch, upper Egypt, M. Sc. Thesis, Assiut University, Assiut, Egypt, p. 243.
2. Keheila, E. A. Soliman, H. A. and **El Ayyat, A. M.** (1990): Litho-and biostratigraphy of the Lower Eocene carbonate sequence in Upper Egypt: evidence for uplifting and resedimentation of the Paleocene section, Jour. Afr. Earth Sci., vol.11, no. 1/2, pp. 151-168.
3. Keheila, E. A. and **El Ayyat, A. M.** (1990): Lower Eocene carbonate facies, environments and sedimentary cycles, evidence for global sea-level changes, Paleogeography, Paleoclimatology, Paleoecology, vol. 81, pp. 33-47.
4. Keheila, E. A. and **El Ayyat, A. M.** (1992): Silicification and dolomitization of the Lower Eocene carbonates in the Eastern Desert between Sohag and Qena, Egypt, Jour. Afr. Earth Sci., vol. 14, no.3, pp. 341-349.
- 5- **El Ayyat, A. M.** (1998): Stratigraphical and sedimentological evolution of the Eocene sequence on the eastern side of the River Nile between Minia and Beni Suef, middle Egypt, Ph.D. Thesis, Assiut Univ., Assiut, p. 291.
- 6- Obaidalla, N. A. and **El Ayyat, A. M.** (2001): Planktonic foraminiferal *Orbulinoides beckmanni* Total-Range Zone in the Nile Valley, Egypt, Bull. Fac. Sci., Assiut Univ., 30(1-F), pp. 43-51.
- 7- Kassab, A. S. and **El Ayyat, A. M.** (2002): The Cenomanian-Turonian transition of Wadi El Dakhal area, north Eastern Desert, Egypt. Stratigraphy and sedimentation (Abstract), 2nd Annual Meeting of the Paleontological Society of Egypt.

- 6- **El Ayyat, A. M.** and Kassab, A. S. (2004): Biostratigraphy and depositional history of the Upper Cretaceous Duwi Formation, Qussier district, Red Sea Region, Egypt, *Jour. Afr. Earth Sci., Spec. Publ.*, V. 39, pp. 421-428.
- 9- **El Ayyat, A. M.** (2004): Contribution to the mode of formation of the phosphorites of the Duwi Formation in Qussier district, Red Sea, Egypt. *Bull. Fac. Sci., Assiut Univ.*, V. 33 (1), pp. 127-148.
- 10- Soliman, H. A.; Keheila, E. A.; and **El Ayyat, A. M.** (2004): Larger Foraminifera and calcareous algae from the Thebes and Drunka formations (Early Eocene) along the Nile Valley, Egypt (Poster). 5th Int. Conf. on global events and reorganization of the biosphere in the Paleocene-Eocene transition. *Climate and biota of the Early Paleogene (CBEP)*, Luxor, Egypt, February 8-12, 2004.
- 11- **El Ayyat, A. M.** (2004): Lithostratigraphy, facies analysis, paleoenvironments and diagenetic features of the Middle Eocene carbonate sequence, northeast of Minia, Eastern Desert, Egypt. *Bull. Fac. Sci., Assiut Univ.*, V. 33(2), pp. 95- 124.
- 12- **El Ayyat, A. M.** and Khalifa, M. A. (2005): Lithostratigraphy, facies analysis, paleoenvironments and cyclicity of the Upper Cretaceous (Cenomanian-Santonian) mixed carbonate-siliciclastic sequence in north Eastern Desert, Egypt, 1st Int. Conf. on the Geology of Tethys, Cairo University, v. 2, p. 342-365.
- 13- **El Ayyat, A. M.** and Obaidalla, N. A. (2005): Sedimentology, biostratigraphy, and basin evolution of Eocene Thebes Formation in the north eastern Desert, Egypt, 4th Int. Conf. on the Geology of Africa (Abstract), Assiut Univ., Assiut, Egypt.
- 14- Khalifa, M. A. and **El Ayyat, A. M.** (2007): Facies and sequence stratigraphy of the Cenomanian Galala Formation of Gebel El Zeit, Gulf of Suez. Egypt. *Assiut Univ. Jour. Geology*, V. 36(1), pp. 1-49.

- 15- **El Ayyat, A. M.** and Obaidalla, N. A. (2009): Sedimentology, litho-, biostratigraphy and basin evolution of the Upper Cretaceous/Paleogene sedimentary succession in north eastern Desert, Egypt. 6th. int. conf. on the Geo. of Afri. (Abstract), 24-29 Oct., 1009, Assiut University , Assiut, Egypt.
- 16- Essa, M. and **El Ayyat, A. M.** (2012): Contribution to the sedimentology, diagenesis and mineralogy of the Cenomanian/Santonian mixed carbonate-siliciclastic sequence in north Eastern Desert, Egypt. Egyptian Jour. of Geology, v. 56, 347-372.
- 17- **El Ayyat, A. M.** (2013): Sedimentology, sequential analysis and clay mineralogy of the lower Eocene (Ypresian) sequence, east and west of the Farafra Oasis, Western Desert, Egypt. Journal of African Earth Sciences 78 (2013), pp. 28–50
- 18- **El Ayyat, A. M.** and Obaidalla, N. A. (2013): Stratigraphy, sedimentology and tectonic evolution of the Upper Cretaceous/Paleogene succession in north eastern Desert, Egypt. Journal of African Earth Sciences 81 (2013) 35–59.
- 19- **El Ayyat, A. M.** (2015): Lithostratigraphy, sedimentology and cyclicity of the Duwi Formation (late Cretaceous) at Abu Tartur plateau, Western Desert of Egypt: evidences for reworking and redeposition. Arabian Journal of Geosciences 8 (2015), pp. 99-124.
- 20- Nageh, A. Obaidalla; **El Ayyat, A. M.**; Hassan S. H. and Ayman A. (2015): A Preliminary application study to measure the suitability of two major carbonate reserves (Sad El-Na'am and Umm Rassies mountains) in the cement industry: An example from northeastern Desert, Egypt. JECET; June 2015- August 2015; Sec. A; Vol. 4. No.3, pp. 673-679.
- 21- **El Ayyat, A. M.** (2015): Modes of origin and genetic pathways of peloids within the Duwi Formation (late Cretaceous) in Eastern and Western deserts of Egypt: A petrologic perspective. Sedimentary Geology 318, pp. 20-39.

- 22- **El Ayyat, A. M.** and Obaidalla, N. A. (2016): The impact of Syrian Arc Orogeny on the Early Paleogene rocks, western shoulder of the Gulf of Suez, Egypt. *Palaeogeography, Palaeoclimatology, Palaeoecology* 454, pp.30-53.
- 23- El Ayyat, A. M.; Fatma, M. D; Ezzat, A. A. and Mamdouh, F. S. (2018): A conceptual phosphogenesis model for the Red Sea phosphorites, Quseir area, Egypt. *Arabian Journal of Geosciences* 11, pp. 442-451.
- 24- Farrag, A. A.; El Ayyat, A. M. and Mohamed, A. (2018): Drinking water characteristics and quality in the area northwest of Assiut Governorate, Egypt. *Bulletin of Faculty of Science, Assiut University, Assiut, Egypt* 45, pp. 34- 66.
- 25- El Ayyat, A. M.; Obaidalla, N. A. (2019): Types, mechanisms and controlling factors of stratal cyclicity in the Lower Paleogene sequence, Southern Galala, Egypt. *N. Jb. Palaeont. Abh.* 293/2, pp. 199-231

Miscellaneous

- 1- Member of the Sedimentological Society of Egypt (SSE).
- 2- Member of the Paleontological Society of Egypt (PSE).
- 3- Member of the Geological Society of Egypt (GSE).
- 4- Member of the Middle East Research Center (MERC).

Teaching interests

- 1- Sedimentary Petrology and Classifications.
- 2- Sedimentary Processes.
- 3- Diagenesis of Sedimentary Rocks
- 4- General Stratigraphy.
- 5- Historical Geology.
- 6- Invertebrate Paleontology.

- 7- Principles of physical Geology.
- 8- Geology of Egypt.
- 9- Principles of Geomorphology.
- 10- Marine geology.
- 11- Sedimentary environments & facies.
- 12- Sedimentary basin analysis.
- 13- Sequence stratigraphy.
- 14- Field Geology.

Conferences and workshops

- 1- The first international conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, Assiut, Egypt, 23-25 November 1999, Assiut, Egypt.
- 2- The fourth international conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, Assiut, Egypt, 15-16 November 2005, Assiut, Egypt.
- 3- Eighth international conference on the Geology of Arab World (GAW-8), Geology Department, Faculty of Science, Cairo University, Giza, Egypt, 13-16 February, 2006.
- 4- Sixth international conference on the Geology of Arab World (GAW-6), Geology Department, Faculty of Science, Cairo University, Giza, Egypt, 11-14 February, 2002.
- 5- The Golden Jubilee (40th annual Scientific meeting), The Geological Society of Egypt, Science Federation building, The Geological Survey of Egypt (G.S.E.), Cairo, Egypt, 14-19 December 2002.
- 6- Fifth international conference on the Geology of the Middle East, Geology Department, Faculty of Science, Ain Shams University, Cairo, Egypt, 20-21 January, 2003.

- 7- The second international conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, 23-25 November 2003, Assiut, Egypt.
- 8- The third international conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, 7-9 December 2003, Assiut, Egypt.
- 9- Fifth international conference on global events and reorganization of the biosphere in the Paleocene-Eocene transition. Climate and biota of the Early Paleogene (CBEP). February 8-12, 2004, held at Luxor, Egypt, organized by the Geology Department, Faculty of Science, Assiut University, Assiut, Egypt.
- 10- Seventh international conference on the Geology of the Arab World (GAW-7), February, 16-19, 2004, held at the Geology Department, Faculty of Science, Cairo University, Cairo, Egypt.
- 11- The first international conference on the Geology of Tethys, Cairo University, 19-22 March, 2007.
- 12- The second international conference on the Geology of Tethys, Cairo University, 11-14 November, 2005.
- 13- International conference on environment and development in the Arab world, Assiut University, 21-23 March, 2006.
- 14- Workshop on the requirements of the electronic publishing, Assiut University, 25-29 June, 2005.
- 15- The second workshop on GIS applications, Assiut University, 11-12 April, 2005.
- 16- The third workshop on GIS applications, Assiut University, 6-8 February, 2006.
- 17- The fourth workshop on GIS applications, Assiut University, 14-16 April, 2007.

- 18- 9th international conference on the Geology of the Arab World (GAW-9), March, 24-27, 2008, held at the Geology Department, Faculty of Science, Cairo University, Cairo, Egypt.
- 19- 6th international conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, 24-29 October 2009, Assiut, Egypt.
- 20- The international conference on the planet earth; earth sciences and development of civilization in major river basins, Luxor, Egypt, 11-13 October, 2010.
- 21- Training course on remote sensing, fundamentals and applications, Sohag University, 14-18 November, 2009.
- 22- Training course on advanced digital image processing and applications, Assiut University, 2-6 January, 2010.
- 23- 7th international conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, 24-26 November 2013, Assiut, Egypt.
- 24- 8th international conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, 24-26 November 2015, Assiut, Egypt.
- 25- 9th international conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, 24-26 November 2017, Assiut, Egypt.
- 26- 10th international conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, 24-26 November 2019, Assiut, Egypt.

References

- 1- Prof. Dr. Ezzat A. Ahmed, Professor of Sedimentology, Geology Department, Faculty of Science, Assiut University, Assiut 71516, Egypt.
- 2- Prof. Dr. Nageh, A. Obaidalla, Professor of Paleontology and Stratigraphy, Geology Department, Faculty of Science, Assiut University, Assiut 71516, Egypt.
- 3- Prof. Dr. Ali A. Khudier, Professor of Igneous & Metamorphic rocks, Geology Department, Assiut University, Assiut 71516, Egypt.
- 4- Prof. Dr. Esmat A. Keheila, Professor of Sedimentology and Stratigraphy, Geology Department, Faculty of Science, Assiut University, Assiut 71516, Egypt.
- 5- Prof. Dr. Mahmoud M. Senosy, Professor of Applied Geophysics, Geology Department, Faculty of Science, Assiut University, Assiut 71516, Egypt.
- 6- Prof. Dr. Mamdouh F. Soliman, Professor of Geochemistry of Sedimentary Rocks, Geology Department, Faculty of Science, Assiut University, Assiut 71516, Egypt.
- 7- Prof. Dr. Hassan A. Soliman, Professor of Paleontology, Geology Department, Faculty of Science, Assiut University, Assiut 71516, Egypt.