

Curriculum Vitae

Amr Abdel Sabour Abdel Hamid Metwally

Associated Professor of Micropaleontology and Stratigraphy, Geology Department, Faculty of Science, Assiut University, Assiut, 71516, Egypt

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Academic Qualifications

2011-2014: Doctor of Paleontology and Stratigraphy (P.hD) Assiut University, Assiut, Egypt.

2010-2011: Master of Science (M.S. Geology: Palenology), Witwatersrand (Bernard Price Institute for paleontological Research), Johannesburg, South Africa.

1999-2003: Bachelor of Science (B.S. Geology) with a very good degree with honors, Assiut University, Assiut, Egypt.

Employment Record

2020 Associated Professor of Micropaleontology and Stratigraphy, Geology Department, Assiut University.

2014 – 2019: Lecturer of paleontology and Stratigraphy, Geology Department, Assiut University.

2011 - 2014: Assistant Lecturer, Geology Department, Assiut University

2010 - 2011: Master student, University of the Witwatersrand, Bernard Price Institute for paleontological Research (BPI Paleontology), Johannesburg, South Africa.

2004 - 2009: Demonstrator in Geology Department, Assiut University.

Scientific Experience

Research Experience

- Establish a high resolution lithostratigraphy and biostratigraphy for the upper Cretaceous- lower Paleogene successions of Egypt by using microfossils in particular calcareous nannofossils and planktonic foraminifera.
- Improved the calcareous nannofossils biostratigraphic zonal scheme of Egypt during the late Cretaceous- early Paleogene.
- Reconstruct the paleoenvironment and paleoclimatic conditions prevailed during the late Cretaceous- early Paleogene by analyzing microfossils assemblages (nannofossils and planktonic foraminifera).
- Detailed examination of stage boundaries by using microfossils to better understand the mechanism and paleoenvironmental conditions during the deposition of such boundaries (e.g. Danian/Selandian – Paleocene/Eocene boundaries).

Teaching experience

- Micropaleontology
- Principles of Stratigraphy
- Biostratigraphy
- Invertebrate Paleontology
- Vertebrate Paleontology
- General Geology
- Field Geology
- Geology of Egypt
- Historical Geology

Miscellaneous

- Member of the Paleontological Society of Egypt
- Member of the Geological Society of Egypt

Publications

Thesis

- **Master Thesis**

Metwally A., 2011. Palynological analysis of the Holocene section of a new core from Tswaing Crater, South Africa. **M.Sc. Thesis**, Witwatersrand University, South Africa, p. 1-140.

- **Ph. D Thesis**

Metwally A., 2014. Integrated Calcareous Planktonic Biostratigraphy (Nannoplankton and Foraminifera) on the Upper Cretaceous – Lower Paleogene Successions, Eastern Desert, Egypt. **Ph. D Thesis**, Assiut University, Assiut, Egypt, p. 1-398.

Conferences proceedings

Metwally, A., Neumann, F.H., Bamford, M.K., Scott, L., Oberhänsli, H., 2010. Palynological analysis of the Holocene section of a new core from Tswaing crater, South Africa. Proceeding of the 16th Conference of the Paleontological Society of Southern Africa (PSSA) Howick, August 5–8, 2010, **Abstract volume, ISBN 13: 978-0-620-47718-5.**

Scott, L., Neumann, F. H., Bousman, C.B., Brook, G. A., Norström, E. and Metwally, A., 2011. Terrestrial evidence of vegetation and climate change during the last 30 ka in Southern Africa-the fossil pollen data. **Poster**, the International Union for Quaternary Research (INQUA, 2011) held in Bern, Switzerland, July 21-27.

Soliman, H. A., Faris, M., Obaidalla, N. A., Metwally, A. A., 2013. Integrated calcareous plankton biostratigraphy and paleoenvironmental implications across the Paleocene/ Eocene (P/E) boundary, Eastern Desert, Egypt. **Abstract**, proceeding of the 7th International conference on the Geology of Africa (2013) held at the Geology Department, Faculty of Science, Assiut University, Assiut, Egypt.

Soliman, H. A., Faris, M., Obaidalla, N. A., Metwally, A. A., 2015. THE DANIAN/SELANDIAN (D/S) BOUNDARY EVENT AT GABAL SERAI, NILE VALLY, EGYPT. Proceeding of the 8th International conference on the Geology of Africa (2015) held at the Geology Department,

Faculty of Science, Assiut University, Assiut, Egypt, *P-P VII-1 - VII-26*.

Metwally A. A., 2015. Calcareous nannofossil assemblage changes across the lower Eocene successions at Kharga-Baris oases, Western Desert, Egypt: paleoenvironmental interpretation. Proceeding of the 8th International conference on the Geology of Africa (2015) held at the Geology Department, Faculty of Science, Assiut University, Assiut, Egypt. P. VII 149 -162.

Articles

L. Scott, F. H. Neumann, G. A. Brook, C.B. Bousman, E. Norström and A. A. Metwally, 2012. Terrestrial fossil-pollen evidence of climate change during the last 26 thousand years in Southern Africa. Quaternary Science Reviews, 32: 100-118.

L. Scott, F.H. Neumann, G.A. Brook, C.B. Bousman, E. Norström and A. A. Metwally, 2013. Corrigendum to “Terrestrial fossil-pollen evidence of climate change during the last 26 thousand years in Southern Africa. Quaternary Science Reviews, 59: 115-116.

Metwally, A., L. Scott, F. H. Neumann, M. K. Bamford, H. Oberhänsli, 2014. Holocene palynology and palaeoenvironments in the Savanna Biome at Tswaing Crater, central South Africa. Palaeogeography, Palaeoclimatology, Palaeoecology, 402: 125–135.

Soliman, H. A., Faris, M., Obaidalla, N. A., Metwally, A. A., 2015. THE DANIAN/SELANDIAN (D/S) BOUNDARY EVENT AT GABAL SERAI, NILE VALLY, EGYPT. Proceeding of the 8th International conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, Assiut, Egypt, P-P VII-1 - VII-26.

Metwally A. A., 2015. Calcareous nannofossil assemblage changes across the lower Eocene successions at Kharga-Baris oases, Western Desert, Egypt: paleoenvironmental interpretation. Proceeding of the 8th International conference on the Geology of Africa, Geology Department, Faculty of Science, Assiut University, Assiut, Egypt, P VII -162.

Metwally, A. A., and Mahfouz, K., 2018. The Paleocene/Eocene (P/E) boundary along the eastern plateau of Kharga-Baris oases, Western Desert, Egypt. **Journal of African Earth Sciences**, 147: 569–584.

Soliman, A., Obaidalla, N., Metwally, A. A., Mohamed, A. A., 2018. Benthic foraminiferal turnover across the Paleocene–Eocene Thermal Maximum (PETM) event in Eastern Desert, Egypt. **Arabian Journal of Geosciences**, 11(14),1-14

Faris, M., Obaidalla, N. A., Metwally, A. A., Salman, A., Zaky, A. S., 2018. Late Cretaceous–Early Paleogene tectonic events at Farafra–Abu Minqar Stretch, Western Desert, Egypt: results from calcareous plankton. **Arabian Journal of Geosciences**, 11 (15), 1-18.

Metwally, A. A., 2019. Characterization of the calcareous nannofossil assemblages across the Latest Danian Event (LDE) at Wadi El-Maheer, northern Eastern Desert, Egypt. **Journal of African Earth Sciences**, 156: 58–67.

Mahfouz, K. and Metwally, A. A., 2020. Maastrichtian-Paleocene successions at Kharga-Dakhla stretch, Western Desert, Egypt: paleoenvironmental and basin evolution interpretations. **Journal of African Earth Sciences**, 162: 103731.

Metwally, A. A., 2020. Late Maastrichtian calcareous nannofossil climate record at Quseir region, Red Sea Coast, Egypt: is that linked to Deccan volcanism? **The Egyptian Journal of Geology**, 64.

Conferences

- The 10th International Conference on the Geology of Africa (2019) held at the Geology Department, Faculty of Science, Assiut University, Assiut, Egypt.
- The 9th International Conference on the Geology of Africa (2017) held at the Geology Department, Faculty of Science, Assiut University, Assiut, Egypt.
- The 8th International Conference on the Geology of Africa (2015) held at the Geology Department, Faculty of Science, Assiut

University, Assiut, Egypt.

- The 7th International conference on the Geology of Africa (**2013**) held at the Geology Department, Faculty of Science, Assiut University, Assiut, Egypt.
- Proceeding of the 16th Conference of the Paleontological Society of Southern Africa (PSSA) Howick, August 5–8, **2010**.
- The Sixth International Conference on the Geology of Africa **2009**, at Geology Department, Faculty of Science, Assiut University, Egypt.
- The Fifth International Conference on the Geology of Africa **2007**, at Geology Department, Faculty of Science, Assiut University, Egypt.
- Workshop on Recent dinoflagellates: Characteristics and environmental significance (26-29 March **2007**).
- The Fourth International Conference on the Geology of Africa **2005**, at Geology Department, Faculty of Science, Assiut University, Egypt.
- Ninth International Conference on the Geology of the Arab World, **2006** (GAW9) at Geology Department, Faculty of Science, Cairo University, Egypt.