

Curriculum Vitae of
Dr. Mohammad Eesa Al-Dabbagh

Name: Mohammad Eesa Al-Dabbagh

Occupation: Associate Professor , Staff Member in the Department of Geology and Geophysics, College of Science, King Saud University.

Degree: Ph.D. awarded 1408 H. (1988 G.), University of North Carolina at Chapel Hill, U.S.A.

Major: Geology.

Minor: Sedimentology, Stratigraphy and Plate Tectonics.

M.Sc.: Awarded 1401 H. (1981 G), University of North Carolina, U.S.A.

B.Sc.: Awarded 1396 H. (1976 G.), with Honors, King Saud University, Kingdom of Saudi Arabia.

Title of M.Sc. Thesis: “Environmental Interpretation and Tectonic Significance of the Wajid Sandstone, Saudi Arabia”.

Title of Ph.D. Thesis: “Tertiary and Associated Rocks of Yanbu, Dhaylan and Aznam Areas, Northwestern Saudi Arabia and their Relationship to the Opening of the Red Sea”.

Experience:

1. Fluent in Arabic, English and French .
2. Worked in King Saud University from 1396 H. (1976) until now.
3. Chairman of Geology Department from 1407-1421H (1997-2001G).
4. Member of the board of the Saudi Geological Survey (SGS) starting from (22-11-1438 H) (2017), for six years (assigned by Royal Decree).
5. Member of the board of the General Commission for Survey (GCS) starting from 3-5-1433 H (2012), (assigned by Royal Decree).
6. Member of the board of the Saudi Society for Geosciences (from 1991- till 2011).
7. Editor of the Arabian Journal of Geosciences (July 2008-July 2010).
8. Editor of "Earth" which is a semiannual publication by the Saudi Society for Earth Sciences.

9. Represents King Saud University in the Saudi Stratigraphic Committee, under the auspices of the Saudi Geological Survey (SGS) . This committee revises the nomenclature and the geologic formations and successions of the Arabian Shelf. The SGS published lately the first report of the Paleozoic Successions of the Arabian Shelf.
10. Chosen as one of the committee members for the defense and discussion of three theses of three Ph.D. French candidates at the University of Paris, the theses were written in French and about the geology of Saudi Arabia.
11. Taught a special short course on the natural hazards held in King Saud University in the period 5 -26 /8/ 1412 H. (1992 G.), prepared especially for Civil Defense officers.
12. Participated in the organizing committee of most of the Saudi Geological Society Meetings (from the first to the 9th).
13. Referred a number of research papers and projects for Saudi Universities, King Abdulaziz City for Science and Technology and other scientific organizations.

Scientific Interests:

Geology of Sedimentary rocks, Sedimentology, Stratigraphy, Diagenesis, Structural Geology, Geology of Saudi Arabia, Tectonics of the Arabian Plate and the Red Sea in particular and the Middle East in general.

Conferences:

Participated in several scientific conferences held inside and outside of the Kingdom, and presented in some of which scientific papers.

Membership of National and International Societies:

1. Member of the Board for the Saudi Geological Survey (SGS) 2012 until now.
2. 1. Member of the Board for the General Commission for Survey (GCS) 2012 until now.
3. Member of the Board for the Saudi Society for Geosciences Since 1411H. (1992) until now.
4. Member of the Geological Society of American (GSA).
5. Member of the American Association of Petroleum Geologists (AAPG).

Administrative Activities:

1. Chairman of Geology Department from 1407-1421H (1997-2001G).

2. Participated in the sixth committee for preparation of the five years plan 1415–1420 H. (1995–2000) for the College of Science.
3. Represented King Saud University in International Energy Forum in Riyadh (17-18/1426 H).
4. Represented the Geology Department in Research Center of the College of Science for two years.
5. Represented the College of Science, KSU, in the first investment forum of Medina region.
6. Member of the board of the College of Science Research Center; two periods (1991-1993) and (2003-2007).
7. A member in the Research Center of the College of Science from 1423 (2003) till now.
8. Member of many committees in the department, the college and the university.
9. Contributed in the establishment of the Riyadh Museum (1997 - 2001).
10. Supervised the Geology Department library and museum.

Teaching:

Taught several undergraduate and graduate courses.
Supervised many graduation projects for undergraduate students and supervised graduate theses.

Publications

- Dabbagh, M.E.** and Rogers, J.J.W., 1983, Depositional Environments and Tectonic Significance of the Wajid Sandstone of Southern Saudi Arabia: *Journal of African Earth Sciences (and the Middle East)*, Vol.1, pp. 47-57. **(ISI)**
- Rogers, J.J.W. **Dabbagh, M.E.**, Olszewski, Jr., Gaudette, J.E., Greenberg, J.K. and Brown, B.A., 1984, Early Poststabilization, Sedimentation and Later Growth of Shields: *Geology*, vol. 12, pp. 607-609. **(ISI)**
- Dabbagh, M.E.**, 1989, Regional Dolomitization of Tertiary Carbonate Rocks of the Red Sea Coast in Northwestern Saudi Arabia, First Saudi Symposium on Earth Sciences, Jeddah, K.A.A.U., 28-30 Jan. 1989.
- Dabbagh, M.E.**, 1989, Stages and Substages of Tertiary Evolution of the Red Sea Rift System: First Saudi Symposium on Earth Sciences, Jeddah, K.A.A.U., 28 -30 Jan. 1989.
- Rogers, J.J.W., **Dabbagh, M.E.**, Whiting, B.M. and Widman S.A., 1989. Subsidence and Origin of the Northern Red Sea and Gulf of Suez: *Journal of African Earth Sciences and the Middle East*, vol. 8, No. 2,3,4, pp. 617-629. **(ISI)**
- Suayah, I.B., Rogers, J.J.W., and **Dabbagh, M.E.**, 1991, High-Ti Continental Tholeiites from the Aznam Trough, Northwestern Saudi Arabia: evidence of “Abortive” Rifting in the “Embryonic” Stage of Red Sea Opening: *Tectonophysics* 191. pp. 75-87. **(ISI)**.
- Al-Dabbagh, M.E.**, 1992, Cenozoic Stratigraphy of Western Saudi Arabia: First Meeting of the Saudi Society for Earth Sciences, October 27-29, Riyadh, the Kingdom of Saudi Arabia.
- Al-Bassam A. M., **Al-Dabbagh, M.E.**, and Hussein M.T., 2000, Application of a Revised Hydrostratigraphic Classification and Nomenclature to the Mesozoic and Cenozoic Succession of Saudi Arabia: *Journal of African Earth Sciences* vol.30,no. 4,pp. 917-927. **(ISI)**
- Al-Dabbagh M.E.**, 2002, Shape: A Method for Processing Grain Shape Data: *Annals of the Geol. Survey of Egypt*, vol.24, pp.287-295.
- AL-Dabbagh M.E.**, 2006, Diagenesis of Jurassic Tuwaiq Mountain Limestone, Central Saudi Arabia: *J. King Saud Univ.*, Vol.

- 19 Science No. 1, Riyadh, Kingdom of Saudi Arabia, pp. 31-58 .
- Al-Amri, A., Fnais, M, **Al-Dabbagh, M.E.**, 2012, Geochronological Evidences and Stratigraphic Sequences of Harrat Lunayyir, NW Saudi Arabia, International Journal of Physical Sciences, vol.7(20), pp. 2791-2805, DOI: 10.5897/IJPS12.178. **(ISI)**
- Al-Dabbagh M.E.**, 2013, Effect of Tectonic Prominence and Growth of the Arabian Shield on Paleozoic Sandstone Successions in Saudi Arabia, the Arabian Journal of Geosciences, 6, pp. 835–843. DOI: 10.1007/s12517-011-0368-6. **(ISI)**
- Halawani, M. A., Al-Duaji, A., Bahabri, B., Basyoni, M. H., **Al-Dabbagh, M. E.** Al Ramadan, K, Al-Ajmi, H, and Al Mahri, A., 2013, Phanerozoic Stratigraphy of Saudi Arabia, Part 1 – Paleozoic Successions of the Arabian Shelf (Cover Rocks), Saudi Geological Survey Technical Report, SGS- SP- 2012-2, 70 p.
- Nawab, Z. A., Halawani, M. A., Bahabri, B., Al-Duaji, A., Al-Ajmi, H, Basyoni, M. H., **Al-Dabbagh, M. E.** and Laboun, A. A., 2013, Saudi Arabian Code of Lithostratigraphic Classification and Nomenclature, Saudi Geological Survey Technical Report, SGS- SP- 2012-2, 21 p.
- Al-Dabbagh, M.E.**, 2014, The Arabian Plate: Unique Fit of the Earth's Surface Jig Saw Puzzle, Arabian Journal of Geosciences, 7:3297–3307. DOI 10.1007/s12517-013-0979-1. **(ISI)**
- Al-Amri, A.M. and **Al-Dabbagh, M.E.**, 2014, Crustal and Upper Mantle Structures of the Red Sea and Arabian Shield Regions, Geological Society of America Meeting, (Abstracts with Program) Vancouver, Canada, 162.
- Alharbi, M., Fnais, M., Al-Amri, A., Abdelrahman Kamal, Meinra Andraea, O. and **Al-Dabbagh, M.**, 2015, Site response assessment at the city of Al Khobar, eastern Saudi Arabia , from microtremor and borehole data Arab J Geoscience, 8, pp. 10015-10030. DOI 10.1007/s12517-015-1890-8. **(ISI)**
- Al-Dabbagh, M. E.** and. El-Sorogy A. S., 2016, Diagenetic Alterations of the Upper Jurassic Scleractinian Corals, Hanifa Formation, Jabal Al-Abakkayn, Central Saudi Arabia, Journal of Geological Society of India, Volume 87, pp 337-344 **(ISI)**
- Tawfik, M., **Al-Dabbagh, M. E.** and. El-Sorogy A. S., 2016, Sequence stratigraphy of the late middle Jurassic open shelf platform of the Tuwaiq Mountain Limestone Formation, central Saudi

- Arabia, Proceeding of the Geologists' Association, Volume 127, Issue 3, pp. 395-412. (ISI)
- El-Sorogy, A.S., Almadani, S. A. and **M. E., Al-Dabbagh**, 2016, Microfacies and diagenesis of the reefal limestone, Callovian Tuwaiq Mountain Limestone Formation, central Saudi Arabia, Journal of African Earth Sciences, 115, pp.63-70. (ISI)
- Al-Amri, A.M. A. Rodgers , S. Hansen , A. Nyblade **and M. Al-Dabbagh**, 2017, Crustal and Upper Mantle Structures beneath the Arabian Shield and Red Sea, in F. Roure et al. (eds.), Lithosphere Dynamics and Sedimentary Basins of the Arabian Plate and Surrounding Areas, Frontiers in Earth Sciences, Springer International Publishing, pp.3-29. DOI 10.1007/978-3-319-44726-1_1. (ISI)
- Al-Dabbagh, M.E.**, Khalil,M. and Basyoni, M.H., 2017, An Overview of the Khuff Formation in the Greater Arabian Basin with special emphasis of the Northern Khuff in Saudi Arabia, Sent for Publication to the Arabian Journal of Geosciences. (ISI)

BOOKS IN ARABIC:

الكتب:

- 1 - "بيولوجية وجيولوجية الشعاب المرجانية" (2017 م), وقد قدّم لعامة البحث العلمي بالجامعة وتم تحكيمة وأحيل للطباعة بعد اعتماده.
- 2 - كتاب بعنوان "مبادئ الرسوبيات والطبقات" (2017م), قبل للترجمة من قبل مركز الترجمة في جامعة الملك سعود ومن قبل الناشر. وقد تم تحكيمة وقبوله من مركز الترجمة ثم تم قبوله للنشر من المجلس العلمي باجتماعه الرابع للعام الدراسي 1438-1439 هـ المنعقد بتاريخ 1439/2/10 هـ. والكتاب مرجع للمقرر 236 جيو "مبادئ الرسوبيات والطبقات" الذي قمت ولا أزال أقوم بتدريسه.
- "Principles of Sedimentology and Stratigraphy" (Fifth edition), By: Sam Boggs Jr.
Publication Date: January 26, 2011 | ISBN-10: 0321643186 | ISBN-13: 978-0321643186 | Edition: 5. (585 pages).
- 3 - كتاب ثالث في المرحلة النهائية بعنوان "أساسيات الجيولوجيا البنائية" وهو كتاب مرجع لمقرر 381 جيو "الجيولوجيا البنائية".

Publications:

- Dabbagh, M.E.** and Rogers, J.J.W., 1983, Depositional Environments and Tectonic Significance of the Wajid Sandstone of Southern Saudi Arabia: Journal of African Earth Sciences (and the Middle East), Vol.1, pp. 47-57. **(ISI)**
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- Rogers, J.J.W., **Dabbagh, M.E.**, Whiting, B.M. and Widman S.A., 1989. Subsidence and Origin of the Northern Red Sea and Gulf of Suez: Journal of African Earth Sciences and the Middle East, vol. 8, No. 2,3,4, pp. 617-629. **(ISI)**
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- Özer, S., El-Sorogy, A.S., **Al-Dabbagh, M.E.** and Al-Kahtani, K. (2019) Campanian–Maastrichtian unconformities and rudist diagenesis, Aruma Formation, central Saudi Arabia, Arabian Journal of Geosciences, (2019) 12: 34. DOI.org/10.1007/s12517-018-4158-2 (ISI)
- Al-Dabbagh, M.E.**, Khalil,M. and Basyoni, M.H., 2017, An Overview of the Khuff Formation in the Greater Arabian Basin with special emphasis of the Northern Khuff in Saudi Arabia, Sent for Publication to the Arabian Journal of Geosciences. (ISI)

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- 1 - "بيولوجية وجيولوجية الشعاب المرجانية" (2018م), وهو كتاب مؤلف.
- 2 - كتاب بعنوان "مبادئ الرسوبيات والطبقات" (2019م), وهو كتاب مترجم من كتاب:

"Principles of Sedimentology and Stratigraphy" (Fifth edition), By: Sam Boggs Jr.

Publication Date: January 26, 2011 | ISBN-10: 0321643186 | ISBN-13: 978-0321643186 | Edition: 5. (585 pages).

- 3 - كتاب ثالث في المرحلة النهائية بعنوان "أساسيات الجيولوجيا البنائية" وهو كتاب مرجع لمقرر 381 جيو "الجيولوجيا البنائية".