

Curriculum Vitae of
Dr. Mohammad E. Al-Dabbagh

Name: Mohammad E. 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) for starting from 2012 (assigned by Royal Decree).
5. Member of the board of the Saudi Society for Geosciences (from 1992-1998 and from 2009 till now).
6. Editor of the Arabian Journal of Geosciences (July 2008-July 2010).
7. Editor of "Earth" which is a semiannual publication by the Saudi Society for Earth Sciences.
8. 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.

9. 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 are in French and about the geology of Saudi Arabia.
10. 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.
11. Participated in the organizing committee of most of the Saudi Geological Society Meetings (from the first to the 9th).
12. 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:

1. Participated in several scientific conferences held inside and outside of the Kingdom, among others:
 1. Participated and presented a paper in the 95th Annual Meeting of the Geological Society of America held in New Orleans, Louisiana, USA, October 18-21/1982.
 2. Participated in the 125th Annual Meeting of the Geological Society of America held in Denver, Colorado, USA (October 27-30/2013)
 3. Participated in the first geological conference held in Jeddah (King Abdulaziz university) in the period 21-23/6/1409 H. (1989), where I delivered two papers (Tectonics and Evolution of the Red Sea) and Dolomitization of the Tertiary rocks, west of Saudi Arabia).
 4. Participated in the Saudi Society for Geosciences Meetings (from the first to the 9th).
 5. Participated in several Geo Arabia meetings in Manamah.

Membership of National and International Societies:

1. Member of the Board for the Saudi Geological Survey (SGS) 2012 until now.
2. Member of the Board for the Saudi Society for Geosciences Since 1411H. (1992) until now.
3. Member of the Geological Society of American (GSA).
4. 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.

Courses:

Undergraduate courses:

- 101 Geo (Physical Geology)
- 104 Geo (Principles of Geology)
- 236 Geo (Stratigraphy and Sedimentation)
- 282 Geo (Photogeology)
- 381 Geo (Structural Geology)
- 391 Geo (Field Geology)
- 391 Gph (Field Geophysics)
- 416 Gph (Tectonics of the Middle East)
- 431 Geo (Carbonate Rocks)

Graduate courses:

502 Geo (Advanced Structural Geology)

512 Geo (Advanced Sedimentation)

532 Geo (Advanced Stratigraphy)

533 Geo (Advanced Sedimentary Rocks)

536 Geo (Recent Sediments)

599 Geo (Specialized Topics and Seminars)

Supervised several graduation projects to cover the requirements for (499 Geo).

Supervised M.Sc. Theses (600 Geo). The department offers only M.Sc. as a graduate program.

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 Andreae, 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-Amri, A.M. A. Rodgers , S. Hansen , A. Nyblade and M.
Al-Dabbagh, 2015, Crustal and Upper Mantle
Structures beneath the Arabian Shield and Red Sea,
sent for publication and it will be published in a
special issue.

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, Accepted for Publication in
the Journal of Geological Society of India. (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-Dabbagh, M.E., Khalil,M. and Basyoni, M.H., 2016, 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
Journal of Geological Society of India. (ISI)

BOOKS IN ARABIC:

١ - "بيولوجية و جيولوجية الشعاب المرجانية" وقد قدّم لعمادة البحث
العلمي بالجامعة وأرسل للتحكيم بعد إنهائه والآن سيقدم للطباعة بعد
اعتماده.

٢ - كتاب قبل للترجمة من قبل قسم الترجمة في جامعة الملك سعود
ومن قبل الناشر وأرسل للتحكيم بعد إنهائه. وهو مرجع للمقرر "مبادئ
الرسوبيات والطبقات" "٢٣٦ جيو" الذي قمت ولا أزال أقوم بتدريسه.
"Principles of Sedimentology and Stratigraphy" (2011-
Fifth edition), (585 pages)

By: Sam Boggs Jr.

Publication Date: January 26, 2011 | ISBN-10:

0321643186 | ISBN-13: 978-0321643186 | Edition: 5.

٣ - كتاب في المرحلة النهائية بعنوان "أساسيات الجيولوجيا البنائية"
(وهو كتاب مرجع لمقرر الجيولوجيا البنائية – ٣٨١ جيو).