

CURRICULUM VITA

NAME: **Khaled Mohamed Oun**

EDUCATION: Ph.D. 1990 (Trinity College, University of Dublin, Ireland).

DATE OF BIRTH: July 5th, 1959

MARITAL STATUS: Married (five children)

CONTACT:
Address: University of Tripoli, Faculty of Science, Department of Geology, P. O. Box 13258, Tripoli, Libya.

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THESIS TITLE: Geochemistry and Isotope Geology of the Basement and Volcanics of Jabal Al Hasawinah, Libya

SPECIALIZATION: Hard Rock Geochemistry and Geochronology.

OTHER COURSES:

- Use of Computers in Geology, University College Galway, Ireland.
- Fourth Leeds Isotope Geology Course, Leeds University, UK.
- Secret of the Seven Habits, Advanced Management Course, Nov. 2011, University of Tripoli, Libya. Organized by FranklinCovey Middleeast, United Arab Emirates.
- Political Leadership Training Conference, international advanced training course, Dec. 2013, Tunis, Tunisia.

ACADEMIC AND EMPLOYMENT HISTORY:

Nov 1982 - 1990 Demonstrator, University of Tripoli, Geology Department.

Sept 1990 - June 1991 Research Fellow, University of Dublin, Geology Department.

July 1991 - June 1994 Lecturer, University of Tripoli, Geology Department.

July 1994 - June 1998 Assistant Professor, University of Tripoli, Geology Department.

July 1998 – August 2008 Associate Professor, University of Tripoli, Geology Department.

September 2007 – 2011, Graduate Programme Coordinator, University of Tripoli, Geology Department.

July 2008 - Professor, University of Tripoli, Geology Department.

Nov. 2009-2011, Director of Academic Staff Affairs Department, University of Tripoli.

May 2015-2022, Chief Editor, Libyan Journal of Science, Faculty of Science, University of Tripoli.

July 2022-to-date, President of the University of Tripoli.

MANAGEMENT EXPERIENCE:

- 1996-1998 Member of the Management Committee of the Water Wells Authority. During this period I oversaw the preparations for the Sarir and Al-Kufrah tender proposals.
- 2007-2011 Director of Post-Graduate Programme, Geology Department, University of Tripoli.
- 2009-2011 Director of Academic Staff Affairs Department, Tripoli University, Tripoli.
- 2011-2019 Member of the Executive Management Board of the National Mining Corporation.

- 2013-2015 Chairman of the Management Board of the General Water Authority.

RESEARCH INTEREST:

- Pan-African evolution of North Africa and petrogenesis and geochronology of the Tertiary alkaline fields and ring complexes of Libya.
- Mineral Resources of Libya and Africa.

COURSES TAUGHT:

Undergraduate

Physical Geology, Crystallography and Mineralogy , Optical Mineralogy, Igneous and Metamorphic Petrology, Geochemistry. Electives (Geochronology, Precambrian Geology of Africa). BSc Research Projects (Petrography and Petrology of Igneous Rocks).

Graduate

Igneous Petrogenesis, Geochronology, Advanced General Geology, Geology of Libya.

MEMBERSHIP OF SCIENTIFIC SOCIETIES:

- 1- Vice President, Earth Sciences Society of Libya, ESSL (1998 to-date). Active member since 1982.
- 2- Fellow of the Mineralogical Society, UK (1987 to-date).
- 3- Member of the Geological Society of Ireland (1986-1991).

HONORS:

- 1- Receipt of DAAD (German Foreign Exchange) scholarship, July-August 1996.
- 2- Awarded the shield of “Pioneer Arab Geologists”, Geology of the Arab World Conference (GAW), Egypt, February 2008.

CURRENT COLLABORATION PROJECTS:

Joint research projects are currently underway with colleagues from the following universities:

- Cape Town University, South Africa
- Joansburg University, South Africa
- University College Dublin, Ireland

- Paris University, France

PROPOSED RESEARCH PROJECTS:

The following two research projects were submitted to the National Academy for Scientific Research and approved for funding.

- Geological Evolution of Gharyan Volcanic Field. Project leaders, **K. M. Oun** and **M. T. Busrewil**. Duration 2016-2021.
- Assessment of Recent Volcanism in Northwest Libya. Project leaders, **M. T. Busrewil** and **K. M. Oun**. (Final Report submitted)

OTHER SCIENTIFIC ACTIVITIES:

- 1- Chairman, Excursions Committee, the “Geology of Sirt Basin” conference, Nov 1993. Earth Sciences Society of Libya (ESSL), Tripoli, Libya.
- 2- Member of the Organizing Committee, Conference on the Water Resources of the Arab Homeland, March 1996. University of Al-Fateh, Tripoli, Libya.
- 3- Member of the Scientific Committee, the “First Maghrebian Conference on Petroleum Exploration”, Nov 1996. Benghazi, Libya.
- 4- Sabatical Leave, Institute of Mineralogy, Erlangen University, Germany. August-September 1996.
- 5- Member of the Organizing Committee, “Regional Aquifer Systems in Arid Zones- Managing Non-Renewable Resources” conference, Nov 1999. Jointly organised by UNESCO and General Water Authority (GWA). Tripoli, Libya.
- 6- Organizer (General Secretary), the “Geology of NW Libya” conference, Nov 2000. Earth Sciences Society of Libya (ESSL), and National Oil Corporation (NOC), Tripoli, Libya.
- 7- Sabatical Leave, Institute of Mineralogy, Clausthal University, Germany. August-September 2002.
- 8- Organizer, Geology of East Libya Conference, Nov. 2004, ESSL and NOC, Benghazi, Libya.
- 9- Member of the Steering Committee, Geology of the Arab World Conference (GAW-7), 2006 University of Cairo, Egypt.
- 10- Member of the International Steering Committee, Geology of the Arab World Conference (GAW-8), 2008, University of Cairo, Egypt.
- 11- Invited Speaker, Geology of the Arab World Conference (GAW-9), 2008, University of Cairo, Egypt.
- 12- Member of the Advisory Committee, National Association of Scientific Research, 2010-2011.
- 13- Sabatical Leave, academic year 2011/2012. University of Belgrade, Faculty of Mining and Geology.

14- Chief editor, Libyan Journal of Science. ISSN 2521-3822 (Online). ISSN 0368-7481 (Print).

CONFERENCES ATTENDED:

- The Origin of Granites, 14-16 Sept 1987. Jointly organized by The Royal Society of London and the Royal Society of Edinburgh. Heriot Watt University, Edinburg, UK.
- Third Symposium on the Geology of Libya, Sept 1987. University of Al-Fateh, Tripoli, Libya.
- The Geology of Oman, Royal Society of Edinburgh. July 1989 Edinburg, UK.
- First International Conference on the Geology of the Arab World, Jan 1992. Cairo University, Egypt.
- Sedimentary Basins of Libya. First Symposium “the Geology of Sirt Basin”, Nov 1993. Earth Sciences Society of Libya (ESSL), Tripoli, Libya.
- Third National Congress of Earth Sciences, Sept 1995. Earth Science Society of Tunisia.
- International Colloquium on the Use of Isotopic Techniques in the Domain of Water Resources and Soil, June 1996. University of Sfax, Mahdia, Tunisia.
- Seminar on Mineral Resources of Libya and its Development, June 1995. Industrial Research Centre, Tripoli, Libya.
- Water Resources of the Arab Homeland, March 1996. University of Al-Fateh, Tripoli, Libya.
- The First Maghrebian Conference on Petroleum Exploration, Nov 1996. Jointly organized by NOC, SONATRACH and ETAP. Benghazi, Libya.
- First Mining Conference in the Great Jamahiriya, March 1997. University of Tripoli. Tripoli, Libya.
- Fourth International Conference on the Geology of the Arab World, Jan 1998. Cairo University, Egypt.
- Fourth International Conference on the Geology of the Middle East, Nov 1998. Union of Arab Geologist, Beirut, Lebanon.
- The Geological Conference on Exploration in Murzuq Basin, Sept 1998. Jointly organised by the National Oil Corporation (NOC) and the University of Sebha, Sebha, Libya.
- International Colloquium on Isotopic Geochemistry and the Water Cycle, April 1999. Sfax University, Hammamet, Tunisia.
- International Conference on “Regional Aquifer Systems in Arid Zones- Managing Non-Renewable Resources”, Nov 1999. Jointly organised by UNESCO and the General Water Authority (GWA). Tripoli, Libya.
- Sedimentary Basins of Libya. Second Symposium “the Geology of NW Libya”, Nov 2000. Earth Sciences Society of Libya (ESSL), Tripoli, Libya.
- Geology of Jordan (4th Conference), 2004, Amman.
- Sedimentary Basins of Libya. Third Symposium “The Geology of East Libya”, Nov 2004. Earth Sciences Society of Libya (ESSL), Benghazi, Libya.

- Geology of Jordan (5th Conf.) and Geology of East Mediterranean (6th Conference), 2006, Amman.
- Geology of Jordan (6th Conf.), 2008, Amman.
- Annual Conference of the American Association of Petroleum Geologists (AAPG), April 2008, San Antonio, Texas, USA.
- Sedimentary Basins of Libya. Fourth Symposium “The Geology of South Libya”, 14-17 Nov 2008. Earth Sciences Society of Libya (ESSL), Tripoli, Libya.
- Conference on Volcanoes, Landscapes and Cultures, 11-14 Nov. 2009, Catania (Sicily), Italy.
- Ninth International Conference on the Geology of the Arab World (GAW-9), March 2010. Cairo University, Egypt.
- Ecominex, 4th International Forum and Exhibition on Mining Economics, 21-23 Feb. 2012, Cairo, Egypt.
- High-Level International Conference on Water Cooperation (HLICWC), 20-21 Aug. 2013, Dushanbe, Tajikistan.
- National Water Conference, 11-13 Nov., 2013, Tripoli, Libya.
- Third International Conference on Water Resources and Environmental Management (ICWRE), 13-15 May, 2014, Antalya, Turkey. Organized by, Global Institute for Water and Environment and Health (GIWEH), Geneva, Switzerland.
- GeoLibya-I Conference, University of Benghazi, Libya, Nov, 2018.
- The First Scientific Conference for the College of Oil and Gas Engineering, 13-15 March, 2022, Zawia University, Libya.

FIELD TRIPS ATTENDED:

- Geology of Donegal Granite, summer 1986, Donegal, Ireland.
- Precambrian Geology of NW Scotland, March 1988.
- The Troodos Ophiolites, Cyprus, Oct 1988. Organised by the Geologists Society, London, UK.
- Geology of Ballintre Ophiolites Scotland. 1989. Organized by the Royal Society of Edinburgh, UK.
- Palaeozoic Geology of Ghat Area, SW Libya. Oct 1993. Organised by Earth Sciences Society of Libya.
- Phonolite plugs of the Rhön area, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany, August. 1996.
- Palaeozoic Geology of Ghat-Al Awaynat Area, SW Libya. March 1999.
- The Mid-German Crystalline Rise, Keyfhauser, Clausthal Technical University, Germany. July 2002.
- Volcanology of Mount Etna Volcanoe, Catania University, Italy. Nov. 2009
- Co-ordinator and participant of Mesozoic-Tertiary Geology of Tunisia, field trip organized by the Earth Science Society of Libya (ESSL), April 2010.
- Leader, Field Trip to Ghariān-Tāghmah Area, Jabal Nefūsah, NW Libya. The First Scientific Conference for the College of Oil and Gas Engineering, Zawia University.

TRANSLATED BOOKS:

Optical Mineralogy by: David Shelly, 2nd Edition (1985) Elsevier, Amsterdam.
Translated into Arabic (ready for printing).

PUBLICATIONS:

- Oun, K. M.** and Busrewil, M. T., 1987. S-type Granite from Jabal Al Hasawinah, West Central Libya. *Journal of African Earth Sciences*, 6: 851-856.
- Oun, K. M.** 1991. On the Poikilitic Nature of Jabal al Hasawinah Eudialyte. *Mineralogical Magazine*, 55, 543-547.
- Busrewil, M. T and **Oun, K. M.** 1991. Geochemistry of the Tertiary Alkaline Rocks of Jabal Al Hasawinah, West Central Libya. In Salem, M. J., Busrewil, M. T. and Ben Ashour, A. (eds.), *The Geology of Libya*. Elsevier, Amsterdam. V. 7, 2587-2598.
- Oun, K. M.** 1992. Fieldtrip to the Tertiary Volcanics of Gharian Area: Field Guide. Earth Sciences Society of Libya (ESSL).
- Oun, K. M.** 1995. A Contribution to the Exploration Prospects of Diamondiferous Kimberlite and Lamproite Diatremes in Libya. Abstract, Seminar on Mineral Resources of Libya and its Development. Industrial Research Centre (IRC), Tripoli, Libya.
- Oun, K. M.** 1996. Review of the Post-Pan-African Magmatic Events in Libya: History of Rifting and Aborted Rifting Magmatism. Abridged Abstract. *Contribution to IGCP project No. 369, Magmatic Events in Rifted Basins Workshop*. Budapest, Hungary.
- Himmali, A. A. and **Oun, K. M.** 1996. The Tertiary Volcanics of Sheet Zallah "NH 33-16": A Re-Appraisal. In Salem, Busrewil, M. T., Misallati, A. A. and Sola, M. (eds.) *The Geology of Sirt Basin*. Elsevier, Amsterdam. V. 3, 347-356.
- Oun, K. M.** 1996. Synthesis of the Igneous and metamorphic evolution of Al Awayant Craton. In: *Al-Kufra Basin Study: Regional Geologic and Tectonic Setting, Basin Water Assessment and Hydrogeological Exploration Apportunities*. Al-Bayruni Remote Sensing Centre. 6 volumes and 2 map portafolios.
- Oun, K. M.** and El-Makhrouf, A. 1996. Tectonic Setting of Al-Kufra Basin. In: *Al-Kufra Basin Study: Regional Geologic and Tectonic Setting, Basin Water Assessment and Hydrogeological Exploration Apportunities*. Al-Bayruni Remote Sensing Centre. 6 volumes and 2 map portafolios.
- Oun, K. M.**, El-Makhrouf, A. and Missillati, A. 1996. Structural Evolution of Al Kufra Basin. Abstract, The First Magrebian Conference on Petroleum Exploration, Benghazi, Libya.
- Oun, K. M.**, Menuge, J. and Himmali, A. A. 1998. Geology, Geochemistry, Geochronology and Tectonic Setting of the Dur Al Gussa Basement Inlier. Industrial Research Centre, Tripoli. 105pp.
- Oun, K. M.**, Hertogen, J., Pasteels, P. and Sanders, I. S. 1998. Geochemistry and K-Ar Dating of the Tertiary Undersaturated Volcanic Province of Jabal Al

- Hasawinah, Libya. Abstract, Geology of the Arab World, Fourth Conference. Cairo University, Egypt.
- Busrewil, M. T., **Oun, K. M.** and Haman, M. A. 1999. Geological Evolution of Sirt Basin: Petrographic and Geochemical Studies of Basement and Within-Plate Igneous Rocks (Waha Oil Acreages). Technical Report submitted to Waha Oil Company, Tripoli. V. I: Text, 250pp. V. II: Lists of Chemical Analyses, 299pp.; V. III: Photographs, 46pp.
- Oun, K. M.**, 2000. Silica Sand Deposits: A Preliminary Report. Report Commissioned by and submitted to S.C.R. Sibelco S.A., Antwerpen, Belgium. 21pp.
- Oun, K. M.**, 2002. Horizons of Social and Economic Development in the African Continent- Sector Report: Non-Fuel Mineral Resources. National Consultation Bureau, Tripoli. 37pp.
- Oun, K.M.** and Daly, S. 2003. Geochronology and Petrogenesis of the Pan-African Jabal Al Hasawinah Granites. In Salem, M. T., Oun, K. M. and Sedeg, H. (eds.) Geology of NW Libya. Earth Sciences Society of Libya. III, 107-122.
- Busrewil, K. M., **Oun, K. M.** and Haman, M. M. 2006. Petrography of the Pan-African Basement and Phanerozoic Within Plate Igneous Rocks, Sirt Basin. Petroleum Research Journal, 19, 27-48.
- Beccaluva, L., Bianchini, G., Ellam, R. M., Marzola, M., **Oun, K. M.**, Siena, F. and Stuart, F. M. 2008. The Role of HIMU Metasomatic Components in the North African Lithospheric Mantle: Petrological Evidence from the Gharyan Iherzolite Xenoliths, NW Libya. In: Coltorti, M. and Grégoire, M. (eds.) Metasomatism in Oceanic and Continental Lithospheric Mantle. Geological Society of London, Special Publications, 293, 253-277.
- Oun, K. M.**, Busrewil, K. M. and Haman, M. M. 2008. Subsurface Pre- and Syn Rift Magmatism in Eastern Sirt Basin: A geochemical and geochronological (Rb/Sr, K/Ar and $^{40}\text{Ar}/^{39}\text{Ar}$) characterization. In: Salem, M. T., Oun, K. M. and Essed, A. S. (eds.) Geology of East Libya. Earth Sciences Society of Libya. IV, 13-34.
- Busrewil, M. T., **Oun, K. M.** and Haman, M. 2008. NeoProterozoic – Lower Cretaceous Tectono-sedimentary Evolution of the Sirt Basin, Libya In: Salem, M. T., Oun, K. M. and Essed, A. S. (eds.) Geology of East Libya. Earth Sciences Society of Libya. IV, 251-68.
- Bardintzeff, J-M, Deniel, C., Guillou, H., Platevoet, B., Télouk, P. and **Oun, K. M.** (2012). Recent volcanism between Al Haruj and Waw an Namous (Southern Libya): petrogenesis and ages of some alkaline lavas. International Journal of Earth Science. 101, 1047-63.
- Oun, K. M.** and Busrewil, M. T., 2012. Provenance and Metamorphism of Infracambrian (Neoproterozoic) Basement: Surface and Subsurface Oceanic Metasediments from Libya. . In: Salem, M. T. and Abadi, A.M. (eds.) Geology of Southern Libya. Earth Sciences Society of Libya. III, 153-168
- Busrewil, M. T., **Oun, K. M.** and Haman, M. 2012. Petrology and tectonic setting of Al Hameimat Magmatic Rocks, SE Sirt Basin, Libya. . In: Salem, M. T. and Abadi, A.M. (eds.) Geology of Southern Libya. Earth Sciences Society of Libya. III, 189-210.

- Busrewil, M. T., **Oun, K. M.** and Haman, M. In Press. The igneous rocks of Concession 82-100, SE Sirt Basin, Libya. Geology of Southern Libya. Earth Sciences Society of Libya.
- Oun, S., **Oun, K. M.** and Bardintzeff, J-M. D. (2017). Petrogenesis of the basaltic intrusions of central Jabal Nafusah foothills. Abstract, GeoLibya-2 Conference, Benghazi, Libya, p.15.
- Oun, K. M.**, Menuge, J. (submitted). The Mourizidi-Dür al Qussah Pan-African Subduction Zone in Central Libya: Geochronological and Geochemical Evidence, International Journal of Geology (Geologische Rundschau).
- Oun, K. M.** and Hlal, O, A. (2021). Field Guidebook to the Ghariān-Tāghmah Area, Jabal Nefūsah, NW Libya. The First Scientific Conference for the College of Oil and Gas Engineering, Zawia University.

EDITING OF CONFERENCES PROCEEDINGS:

- 1) **The Geology of Northwest Libya (2003). Volume I, M. J. Salem and Khaled M. Oun (eds.). Earth Science Society of Libya (ESSL). ISBN 9959 840 01 8**
- 2) **The Geology of Northwest Libya (2003). Volume II, M. J. Salem and Khaled M. Oun (eds.). Earth Science Society of Libya (ESSL). ISBN 9959 840 02 6**
- 3) **The Geology of Northwest Libya (2003). Volume III, M. J. Salem, Khaled M. Oun and Hussein M. Seddiq (eds.). Earth Science Society of Libya (ESSL). ISBN 9959 840 03 4**
- 4) **The Geology of East Libya (2008). Volume IV, M. J. Salem, Khaled M. Oun and A. S. Essed (eds.). Earth Science Society of Libya (ESSL).**
- 5) **Proceedings of the National Water Conference (2015), Khaled M. Oun, Zuhair, B. Hafi, Fathi, Salloum and Saled Sadeg (eds). Earth Science Society of Libya (ESSL).**

UNPUBLISHED TECHNICAL STUDIES:

- 1) **Oun, K. M.** and El-Makhrouf, A. A. 1994. Structural Evolution of Al Kufrah Basin. El Bayruni Remote Sensing Centre.
(جزء من دراسة علمية موسعة لتقييم الامكانيات الهيدروجيولوجية لحوض الكفرة جنوب شرق ليبيا)
- 2) **Oun, K. M.** 1994. Geology of Al Awaynat Area, Southeast Libya. El Bayruni Remote Sensing Centre.
(جزء من دراسة علمية موسعة لتقييم الامكانيات الهيدروجيولوجية لحوض الكفرة جنوب شرق ليبيا)
- 3) Busrewil, M. T, **Oun, K. M.** and Haman, M. A. 1999. Geological Evolution of Sirt Basin: Petrographic and Geochemical Studies of Basement and Within-Plate Igneous Rocks (Waha Oil Acreages). Technical Report submitted to Waha Oil

Company, Tripoli. V. I: Text, 250pp. V. II: Lists of Chemical Analyses, 299pp.; V. III: Photographs, 46pp.
(دراسة علمية مفصلة في ثلاث مجلدات غير منشورة لصخور البريكاميري الواقعة ضمن قطع أمتيازات شركة الواحة الليبية للنفط تم تقديمها لشركة الواحة كدراسة استشارية متخصصة).

4) **Oun, K. M.** 2000. Silica Sand Deposits of Libya: A Preliminary Report. S.C.R.-SIBELCO S.A., Belgium.
(دراسة لخامات السيلكا المؤهلة للاستخدامات الصناعية المختلفة وخاصة الزجاج والكريستال).

5) **Oun, K. M.** 2002. Horizons of Social and Economic Development in the African Continent- Sector Report: Non-Fuel Mineral Resources. National Consultation Bureau, Tripoli. 37pp.
(دراسة للمكتب الاستشاري الهندسي تم تقديمها ضمن خطة ليبيا الاقتصادية لتنمية أفريقيا بقمة ديربان بجنوب أفريقيا سنة 2002 كما تم بحثها ضمن مجموعة النيباد – الشراكة من أجل التنمية – التي دخلت ليبيا في عضويتها بعد القمة).

6) **Oun, K. M.** 2005. Cement Raw Material in Al Jabal al Akhdar and Environs. ITALCEMENT, Unpublished Report.
(دراسة للمواد الخام المكونة للاسمنت- الحجر الجيري والطين والجبس- تم أعدادها كدراسة استشارية لشركة إيتال سيمنتي).

7) **Oun, K. M.** 2005. Geomorphology and Geology of Tripoli Region, Third Generation Plan, National Consulting Bureau (NCB), Tripoli.
(مقدمة لتقرير مخطط الجيل الثالث – منطقة طرابلس يحتوي على سرد مختصر للأنماط التكوينية والتركيب الجيولوجي للمنطقة مدعم بخرائط وقطاعات جيولوجية).

8) **Oun, K. M.** 2005. Geomorphology of Al Khalij Region, Third Generation Plan, University Engineering Consulting Bureau, Tripoli.
(مقدمة لتقرير مخطط الجيل الثالث – منطقة طرابلس- تحتوي على سرد مختصر للأنماط التكوينية لمنطقة الخليج -منطقة سرت والمنطقة الوسطى والواحات- مدعم بخرائط).

9) **Oun, K. M.** 2008. Preliminary Study of Cement Raw Material Deposits in Al Khums Area. National Consulting Bureau (NCB), Tripoli, Unpublished Report.
(دراسة للمواد الخام المكونة للاسمنت- الحجر الجيري والطين والجبس- تم أعدادها كدراسة استشارية للمكتب الاستشاري الوطني).

10) **Oun, K. M.** 2009. Quarrying the Basalt of Wadi al Mardum, Bani Walid for Balast Material, Archirodon, Athens.
(دراسة أولية لاستعمال البازلت كزلط لمشروع السكك الحديدية في المنطقة الشرقية – تم أعدادها كدراسة استشارية أولية لشركة اركيدورن اليونانية)

11) **Rashrash, S., Oun, K. M. and Shbili, S.** (2017). Preliminary Study for Exploration for Water in Al Haruj Area. Libyan Centre for Remote Sensing and Space Studies (LCRSSS), Tripoli, 52p.
(دراسة أولية عن الاستكشاف عن المياه في منطقة الهروج البركانية مقدمة للمركز الليبي للاستشعار عن بعد وعلوم الفضاء)