



**Dr. Alham Jassim Hassan Al-langawi**

د. الهام جاسم اللنقاوي

**Sedimentologist**

**Geochemistry and Petrography Of Carbonates**



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**World Wide Web site :** drlangawi2012.com

**IAS (Internatiomal Association for Sedimentologist) International Correspondent in**

**Kuwait-** ممثلة منظمة علماء الصخور الرسوبية بالكويت

## **EDUCATION**

● **B.Sc. Kuwait University** September 1981 – January 1986 in Geology (Major) with Geography (Minor).

● **M.Sc. Kuwait University** September 1986 – February 1989 in Geology: Sedimentary Petrology and Petrography.

**Thesis Entitled: “Burial Dolomitization of The Shuaiba Formation (Lower Cretaceous) in Kuwait” .Thesis Supervisor: Professor H. A. Gunatilaka.**

● **Ph.D. The University Of Manchester-United Kingdome** January 1993 – November 1996 in Geology: Petrography and Geochemistry of Carbonate Rocks.

**Thesis Entitled: “Dolomitization of Permian and Triassic Shelf Carbonates From The Oman Mountains” Thesis Supervisors: Dr. Anthony E. Adams and Dr. Mike Anketell**

## FIELD EXPERIENCE

- Study of the geology of **Jordan**: July 1984 (For the B.Sc. degree).
- Study of the geology and map production of **Cyprus**: July-August 1987 (For the M.Sc. degree).
- Study of the geology and sample collection of the Permian-Triassic sedimentary rock exposures at Musandam Peninsula, Hatta Mountain, and Akhdar Mountain- **Oman and U.A.E**: March-May 1993, and March-May 1994 (For the Ph.D. degree).
- Field Trip to study the geology of Bournemouth, Weymouth, Portsmouth , Brighton, and Portland Island -**Southern England**: April 1995.
- Field Trip to study the facies and biotas in Late Jurassic carbonates of Portland and nearby outcrops-**Southern England**: July 1995.
- **Surface geology of Kuwait**, especially coastal areas from north to south, surface sediments, geomorphology and geological features of the desert environment and the southern islands: Kubbar, Qaruh and Umm Al-Maradim.
- Study the Permian-Triassic rocks exposed in **Alghero- Italy**, September 2009.
- Middle Triassic platform/basin transition along the Alpine passive continental margin facing the Tethys Ocean, Gamsstein; **Stayria, Austria**. September 2012.
- Permian, Zechstein Formation of NE England: Depositional systems and diagenesis of a mixed clastic carbonate-evaporite system. **County Durham, Northeast England**. September 2013.
- Sedimentary and tectonic evolution of a passive margin Basin during the mesozoic (**Agadir essaouira basin**)- **Morocco**. May 21-22 2016

## CONFERENCES

- 1) British Sedimentological Research Group (BSRG) Annual Meeting: 15<sup>th</sup>-17<sup>th</sup> December 1993, University of Manchester.

**Presented Abstract: “Burial Dolomitization of The Shuaiba Formation (Lower Cretaceous) in Kuwait”**

- 2) 10<sup>th</sup> Bathurst Meeting of Carbonate Sedimentologists: 2<sup>nd</sup>-5<sup>th</sup> July 1995, Royal Holloway University of London.

**Presented Abstract: “Dolomitization of Permian-Triassic Carbonates, Oman Mountains and U.A.E”.**

- 3) British Sedimentological Research Group (BSRG) Annual Meeting: 12<sup>th</sup>-16<sup>th</sup> December 1995, University of Durham

**Presented Abstract- Oral presentation: “Fabric-preserving and fabric-destroying dolomitization in Permian and Triassic autochthonous rocks, Oman Mountains.”**

- 4) International Conference on the Conservation of Biodiversity in the Arid Regions: 27<sup>th</sup>-29<sup>th</sup> March 2000, Environmental Public Authority-Kuwait.

**Presented Abstract- Oral presentation: “Biological resources conservation through Ecotourism development.”**

- 5) International Conference: Geology of Oman: January 12<sup>th</sup> –16<sup>th</sup> 2001, Ministry of Commerce-Department of Mineral Resources, Sultan Qaboos University-The Sultanate of Oman.

**Presented Abstract- Oral presentation: “Seawater Dolomitization of The Permian and Triassic Shelf Carbonates, Oman Mountains.”**

- 6) The First International Conference on the Geology of the Tethys: November 12<sup>th</sup> – 14<sup>th</sup> 2005, Cairo University, Cairo- Egypt.

**Presented Abstract- Oral presentation: “Assessment Of Metal, Hydrocarbon And Radioactive Pollution In The Recent Sediments Of The Southern Islands- Kuwait.”**

- 7) The Second International Conference on the Geology of the Tethys: March 19<sup>th</sup> – 22<sup>nd</sup> 2007, Cairo University, Cairo- Egypt.

**Presented Abstract- Oral presentation: “Seasonal Compositional Variations In Intertidal Carbonate Sediments From Umm Al-Maradim Island-Kuwait.”**

- 8) 27<sup>th</sup> IAS Meeting of Sedimentology- Alghero, Italy: September 20<sup>th</sup> –23<sup>rd</sup> 2009.

**Presented Abstract- Poster: “Limestone Diagenesis: A case study on Palaeozoic-Mesozoic Tethys Ocean Dolomites .”**

- 9) EGU General Assembly 2011, 3-8 April 2011, Vienna, Austria.

- 10) International Symposium on Deep-Sea Corals 2012, 2<sup>nd</sup> -7<sup>th</sup> April 2012, Amsterdam, The Netherlands.

- 11) 29<sup>th</sup> IAS Meeting of Sedimentology- Schladming, Austria: September 10<sup>th</sup> –13<sup>rd</sup> 2012.

**Presented Abstract- Oral presentation: “New Insight on the Geology of Kuwait Group Jal Az-zor- Sabah Al Ahmad Natural Reserve- Kuwait .”**

- 12) 30<sup>th</sup> IAS Meeting of Sedimentology- Manchester, United Kingdom: September 2<sup>nd</sup> – 5<sup>th</sup> 2013.

**Presented Abstract- Oral presentation: The Effect of Climate on the Chemical Composition of the Coral Reefs around Kubbar Island Kuwait.**

- 13) ISC 2014- 19<sup>th</sup> International Sedimentological Congress- Geneva, Switzerland: August 18<sup>th</sup>– 22<sup>nd</sup> 2014. Sponcered by KFAS

**Presented Abstract- Oral presentation: “Human Activities on the Shores of Kuwait and Its Environmental Impact on Beaches Ecosystems and Economy”**

14) United Nations Convention to Combat Desertification- Twelfth session of the Conference of the Parties (**COPE 12**), Ankara, 12-23 October 2015.

15) 32<sup>nd</sup> International Meeting of Sedimentology- Ibn Battuta Center University Cadi Ayyad Marrakech- Morocco 23-25 May 2016.

**Charing a Session (MS14): “Shelf and Shallow water deposits. (25<sup>th</sup> May 2016)”**

16) Intertidal Macrofauna Biodiversity of Kuwait- Kuwait institute for Scientific Research- Kuwait 1-2 May 2017.

17) 33<sup>rd</sup> International Meeting of Sedimentology- Toulouse University, Toulouse- France 10-13 October 2017.

**Presented Abstract - Poster: “Sea-level changes and its effect on the formation of oolitic ridges at Al khiran-south Kuwait. (10<sup>th</sup> October 2016)”**

18) **ISC 2018- 20<sup>th</sup> International Sedimentological Congress- Qubeec, Canada: August 13<sup>th</sup> – 17<sup>th</sup> 2018.**

**Presented Abstract- oral presentation: “Microfacies and petrographic analyses of the Kuwait Group at Jal Al Zoor Escarpment- Kuwait”**

## **PUBLICATIONS**

### **1- Text Books:-**

- 1) **Al-Sayed, M. and Al-langawi, A., 2003.** Applied Environmental Geology, (الجيولوجيا البيئية التطبيقية). (arabic text book for applied environmental geology), Best Deal Institute, Kuwait.
- 2) **Al-langawi, A., 2003.** The Earth (كوكب الأرض), (arabic text book for physical geology). The university students Library, Kuwait.
- 3) **Al-Langawi, A. and Morsy, A. 2015.** Environmental Geology (الجيولوجيا البيئية), (arabic text book for environmental geology). That Al Salasil Publishin Group- Kuwait.
- 4) **Al-Langawi, A. and colleagues Geology Unit.** Lab Manual for Physical Geology. Under writing. 2019. Kuwait

### **2. Research Grants:-**

For complete pdf file go to: [www.drlangawi2012.com](http://www.drlangawi2012.com)

**1) Rifat, A., Mahfoth, S., Al-Sarawi, M., and Al-langawi, A., 2000. Assessment of heavy toxic metal pollution, hydrocarbon residues and radioactive pollutants in the surficial sediments of the southern islands of Kuwait. Final Report- Funded by Environment Public Authority, Kuwait.**

**2) Al-langawi, A., 2004. Seasonal compositional variations in intertidal carbonate sediments from the southern islands of Kuwait. Final Report- The Public Authority for applied Education and Training- Science department, Kuwait, funded by PAAET grant number (BE- 01-007).**

3) **Al-langawi, A., 2007. The effect of climate on the chemical composition of the coral reefs around the southern islands of Kuwait. Final Report-** The Public Authority for applied Education and Training- Science department, Kuwait, funded by PAAET grant number (BE-04-003)

4) **Al-langawi, A., Alshereda, A., and Bihzad, M., Started May 2010. Defining the Biological Ability of the Different Soil Types within Sabah Al-Ahmad National Reserve at Jal Alzor- Kuwait.** The Public Authority for applied Education and Training- Science department, Kuwait, funded by PAAET grant number (BE-10-03)

**3. Published Articles:- For complete pdf files go to: [www.drlangawi2012.com](http://www.drlangawi2012.com)**

- 1) **Al-Sayed, M. and Al-langawi, A., 2003.** Biological resources conservation through ecotourism development. *Journal of Arid Environment*, Vol (54), p: 225-236.
- 2) **Al-langawi, A, Rifat, A., and Mahfoth, S., 2005.** Assessment Of Metal, Hydrocarbon And Radioactive Pollution In The Recent Sediments Of The Southern Islands- Kuwait. First international conference on the geology of the Tethys, *Cairo University*, November 2005, 179-194.
- 3) **Al-langawi, A., 2006.** Seasonal Compositional Variations In Intertidal Carbonate Sediments From Qaruh Island-Kuwait. *Journal of the Sedimentological Society of Egypt*, Vol (15), p:103-120.
- 4) **Al-langawi, A., 2006** Fabric Preserving and Fabric Destroying Dolomitization: A Case of Seawater Dolomitization. *Sultan Qaboos University (SQU) Journal for Science*, Vol (11), p: 39-67.
- 5) **Al-langawi, A., 2007.** Seasonal Compositional Variations In Intertidal Carbonate Sediments From Kubber Island-Kuwait. *Kuwait Journal of Science and Engennering*, Vol (34), p: 111-142.
- 6) **Al-langawi, A., and Maarafi, B., 2007.** Seasonal Compositional Variations In Intertidal Carbonate Sediments From Umm Al-Maradim Island-Kuwait. Second International Conference on the Geology of the Tethys, *Cairo University*, March 2007, 351-366.
- 7) **Al-langawi, A., 2009.** Mematic Seawater dolomitization. *Bulletin of the Tethys geological society*, Cairo, volume 4, 63-78.
- 8) **Al-langawi, A., 2009.** Limestone Digensis: A Case Study on Palaeozoic-Mesozoic Tethys Ocean Dolomites. *International Proceedings*. 27<sup>th</sup> IAS Meeting of Sedimentologists, , Alghero, Italy.
- 9) **Al-langawi, A., 2012.** New insight on the geology of the Kuwait Group- Jal Al-Zoor Escarpment- Sabah Al Ahmad Natural Reserve, Kuwait. *International Proceedings*, 29<sup>th</sup> IAS Meeting of Sedimentologists, Schladming Austria.

- 10) **Al-langawi, A., 2013.** The Effect of Climate on the Chemical Composition of the Coral Reefs around Kubbar Island- Kuwait. *International Journal of Geosciences*, 2013, 4, 511-528. **Doi: 10.4236/ijg.2013.42047**

#### 4. Articles Under Published and Ongoing Research:-

- 1) **Al-langawi, A.,** Paragenetic Sequences within the Palaeozoic-Mesozoic Tethys Ocean Carbonates-Oman Mountains. **Under publication 2016**
- 2) **Al-langawi, A., Bihzad, M. and Al Sheredah, A.,** The effects of Human Protection On Desertificated Areas In The Arid And Semi-Arid Environments: Case Study On Sabah Al-Ahmad National Reserve At Jal Az Zoor- Kuwait. **Writing up.**
- 3) **Al-langawi , A., Pascucci, V.,** Microfacies and petrographic analyses of the Kuwait Group at Jal Al Zor Escarpment- Kuwait. **Ongoing Research 2016**
- 4) **Al-langawi, A.,** New Insight on the Geology of Kuwait Group Jal Az-zor- Sabah Al Ahmad Natural Reserve- Kuwait. **Writing up.**
- 5) **Raafat Hassan Abdelwahab, Alham Al-langawi, Mohamad Bihzad.** Effects of Geomorphology and Soil conditions on Distribution, Diversity and Composition of Plant Communities in Desert Wadis of Sabah Al Ahmad Nature Reserve, Northeast of Kuwait. **Writing up.**
- 6) **Al-langawi , A., Pascucci, V.,** Sea-level changes and its effect on the formation of oolitic ridges at Al-Khiran- South Kuwait. **Writing up.**

#### Committees

| التاريخ                 | المشاركة والخبرة في اللجان التالية                                   |
|-------------------------|--|
| (من 1998-2007)          | منسقة وحدة الجيولوجيا  |
| (1998-2001) (2006-2007) | مقررة لجنة البعثات - قسم العلوم                                      |
| (2007-2011)             | رئيس لجنة البعثات - قسم العلوم                                       |
| (1998-2001)             | عضو في لجنة التعينات وتجديد العقود - قسم العلوم                      |
| (2007-2011)             | رئيس لجنة التعينات وتجديد العقود - قسم العلوم                        |
| 2008-2011، 2017-2018    | رئيس لجنة الترقيات - قسم العلوم                                      |
| 2013-2017               | مقرر لجنة الترقيات - قسم العلوم                                      |
| (2000-2015)             | عضو في لجنة الجدول - قسم العلوم                                      |
| 2003                    | عضو في لجنة الشؤون العلمية - قسم العلوم                              |
| (من سبتمبر 2004 - 2007) | رئيس لجنة البرامج والمناهج الدراسية - قسم العلوم                     |
| (1997-2004) (2015)      | عضو لجنة البرامج والمناهج الدراسية - قسم العلوم                      |
| 2003                    | لجنة الطوارئ والدفاع المدني في الكلية - قسم العلوم                   |
| 2004                    | لجنة مختبر الأبحاث المركزي - كلية التربية الأساسية                   |
| 2007                    | لجنة صحيفة تخرج برنامج علوم الأسرة والمستهلك - كلية التربية الأساسية |
| 2009                    | لجنة الطوارئ وإدارة الأزمات - كلية التربية الأساسية                  |
| 2009                    | لجنة لوضع نموذج تقييم أعضاء هيئة التدريس - كلية التربية الأساسية     |
| 2009-2012               | لجنة فريق تنويع التعليم الثانوي - وزارة التربية                      |

|           |  |
|-----------|--|
| 2015-2017 | اللجنة الوطنية لمكافحة التصحر - وزارية                                 |
| 2013      | لجنة شؤون أعضاء هيئة التدريس - الهيئة العامة للتعليم التطبيقي والتدريب |
| 2017-2013 | رئيس لجنة البحوث التطبيقية - قسم العلوم                                |
| 2015-2014 | مقرر لجنة البحوث التطبيقية بالكلية - كلية التربية الأساسية             |
| 2017-2015 | عضو بلجنة البحوث التطبيقية بالكلية - كلية التربية الأساسية             |
| 2018-2017 | مقرر لجنة البحوث التطبيقية - قسم العلوم                                |

## Community Lectures

| No. | Lecture Title  | Date             | Institution   |
|-----|--|------------------|---|
| 1   | Gemstones and life   | 1998             | Sicence Department, PAAET                                       |
| 2   | 1. Soil Development<br>2. Soil Analysis<br>3. Soil Classification  | 3-14 Feb<br>2001 | Best deal Environmental Company                                 |
| 3   | Earth Histroy  | 18-17<br>/3/2001 | Ministry of Education-Training center                           |
| 4   | Gemstones and there Secrets  | April 2005       | Ministry of Education- Aldoha Highschool                        |
| 5   | Earth-Builder and Provider   | 7/12/2005        | Ministry of Human Affairs- Aljahra Girls Center                 |
| 6   | Rationalization of Water Consumtion  | 25/12/2006       | Ministry of Education- Ibn Aljawzi Elementary School            |
| 7   | Minerals   | 13/2/2007        | Ministry of Education- AlAwzaee High School                     |
| 8   | Minerals   | 20/2/2007        | Ministry of Education- Sharefa Alawadi High School              |
| 9   | 1. Wind Erosion<br>2. Water Erosion<br>3. Depositional processes in Deserts                                    | 18/11/2008       | Ministry of Education- Alfahaheel High School                   |
| 10  | Global warming- A time bomp  | 27/11/2008       | Ministry of Education- UmAlqura Elementary School               |
| 11  | Global warming- Causes and Solutions   | 16/3/2009        | Ministry of Education- UmAlqura Elementary School               |
| 12  | Global warming- Causes and Solutions   | 22/3/2009        | Ministry of Education- Bayan Elementary School                  |
| 13  | Global warming- Causes and Solutions   | 24/3/2009        | Ministry of Education- Khadeja Bint Khuwailed Elementary School |
| 14  | Dinosaurs  | 12/4/2009        | Kuwait Scientific Museum  |
| 15  | Science and Peace  | 18/11/2009       | Ministry of Education- Uthailia Elementary School               |
| 16  | Humans and Environmental Destruction   | 17/3/2010        | Ministry of Education- Khawla Bint Alaswad Highschool           |
| 17  | Global warming- Causes and Solutions   | 11/2010          | Ministry of Education- Sabahiya Intermediat School              |
| 18  | New insight on the geology of the Kuwait Group- Jal Al-Zoor Escarpment- Sabah Al Ahmad Natural Reserve, Kuwait | October<br>2012  | Sicence Department, PAAET                                       |
| 19  | Earth history and geology of Kuwait  | 17/4/2013        | Ministry of Education- Khadeja Bint Khuwailed Elementary School |
| 20  | Igneous Rocks  | 12/11/2013       | Ministry of Education- Alfahaheel High School                   |
| 22  | Defining Earth history through sedimentary   | 25/12/2013       | Ministry of Education- Ramla Bint                               |

|    |   |            |   |
|----|---|------------|---|
|    | rock structures   |            | Abusufian high school   |
| 23 | Protecting the environment and biological ability of soils  | 12/3/2014  | Ministry of Education- Khadeja Bint Khuwailed Elementary School |
| 24 | Human Activities on the Shores of Kuwait and Its Environmental Impact on Beaches Ecosystems and Economy | 20/11/2014 | Sicence Department, PAAET                                       |
| 25 | Workshop on Desertification (problem and Solutions)   | 9/12/2015  | Ministry of Education- Al Jahra Traning Center                  |
| 26 | Environmental Pollution by Human Activites  | 8/2/2016   | Ministry of Education- Fariaa Bint Malik High School-Girls      |
| 27 | The Green Kuwait  | 15/2/2016  | Ministry of Education- Orwa Bin al Zubair High School- Boys     |
| 28 | Environmental changes   | 10/11/2016 | Ministry of Education- Fariaa Bint Malik High School-Girls      |
| 29 | The Geology of Kuwait   | 7/2/2018   | Ministry of Education-Om Waraqa Elementary School               |

### Television Interviews

| No. | Title  | Date      | Television Station   |
|-----|--|-----------|--|
| 1   | Desertification in kuwait  | May 2009  | Morning Show- Environmental program- Kuwait Tv برنامج صباح الخير- تلفزيون الكويت |
| 2   | Preventing the distruction of beaches and planinng future construction | 2010/4/17 | Morning Show- Environmental program- Kuwait Tv برنامج صباح الخير- تلفزيون الكويت |
| 3   | Global warming   | 2011/1/3  | One hour TV show- Al Sabah Satalite Channel قناة الصباح الاخبارية                |
| 4   | Environmental Proplems in Kuwait                                       | May 2011  | One hour show- قناة البوادي  |

### ACADEMIC AND COMPUTER COURSES

| No. | Computer Course                | Date             |
|-----|--------------------------------|------------------|
| 1   | Arab Ward                      | September 1992   |
| 2   | Academic Advisory              | April 1997       |
| 3   | Multimedia (Photoshop)         | November 2000    |
| 4   | Intoroduction to Internet      | November 2000    |
| 5   | SPSS                           | October 2001     |
| 6   | Sound and Video                | November 2001    |
| 7   | Autocad                        | December 2005    |
| 8   | Internet                       | November 2006    |
| 9   | Flash                          | March 2006       |
| 10  | Microsoft Access- introduction | October 2006     |
| 11  | ICDL cirtificate               | November 2006    |
| 12  | WIDS                           | April 2007       |
| 13  | GIS                            | January 2008     |
| 14  | GIMP (Graphic Design Program)  | 13-14 March 2016 |
|     | <b>Self Development</b>        | <b>Date</b>      |



|    |   |               |
|----|---|---------------|
| 1  | Academic Advisory   | April 1997    |
| 2  | Develop Programs and Curriculums                          | May 2000      |
| 3  | How to Deal with life Stress                              | April 2002    |
| 4  | Academic Advisory   | 2003          |
| 5  | Paperless Office  | May 2007      |
| 6  | living with intention                                     | March 2011    |
| 7  | The necessity for accreditation                           | January 2014  |
| 8  | العلاج بالأحجار الكريمة                                   | May 2011      |
| 9  | مبادئ علم الأرصاد الجوية                                  | May 2011      |
| 10 | طاقة التشافي  | June 2011     |
| 11 | قانون الجذب الكوني  | June 2011     |
| 12 | Diving licence for open water                             | July 2011     |
| 13 | ورشة عمل الاستراتيجية وبرنامج العمل الوطنية مكافحة التصحر | November 2014 |
| 14 | الادارة المستدامة للأراضي وإختيار مؤشرات التصحر           | May 2015      |

*Alham Al-langawi*  
*January 2019*