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ACADEMY OF SCIENCES  
MALAYSIA

## CURRICULUM VITAE

Name: Mohd Shafee'a bin Leman

Date of Birth: 19 November 1956

Place of Birth: Kg. Sg. Haji Muhamad, Bagan Dato, Perak, Malaysia

Sex: Male

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Present Position: Professor

### **HISTORY OF FORMAL EDUCATION AND ACADEMIC ACHIEVEMENT:**

a) Universiti Kebangsaan Malaysia, Jln. Pantai Baru, K. Lumpur  
- **Bachelor of Sciences (Second Class Upper) U. K. M. (1979)**

e) University of Glasgow, Scotland  
- **Master of Sciences (Palaeontology) Glasgow (1983)**

f) University of Durham, England  
- **Doctor of Philosophy (Palaeontology) Durham (1991)**

### **CAREER HISTORY:**

- i) Tutor - Geology Department, UKM (September 1979 to February 1983)
- ii) Lecturer - Geology Department, UKM (March 1983 to June 1995)  
\* On loan to Earth Sciences Department, UKM Sabah (July 1984 to November 1984)
- iii) Associate Professor - Geology Department, UKM  
(July 1995 to December 2003)
- iv) Professor – Geology Department, UKM  
(December 2003 to the present)

### **ADMINISTRATIVE POST:**

- i) Head of Langkawi Research Centre, UKM  
(August 2003 to August 2005)
- ii) Deputy Director, Institute for Environment and Development (Lestari), UKM  
(August 2005 to August 2010)
- iii) Head, Science and Governance for Sustainability Research Centre, UKM  
(January 2006 to December 2008)

### **AWARDS RECEIVED:**

- 21/12/1995 --- Best Article in Science and Technology Award by Universiti Kebangsaan Malaysia
- 15/10/1999 --- Excellent Service Award for the Year 1998 by Universiti Kebangsaan Malaysia
- 11/10/2000 --- Twenty Years Service Award by Universiti Kebangsaan Malaysia
- 11/10/2000 --- Best Book Award by Universiti Kebangsaan Malaysia
- 28/11/2005 --- Publication Quantity Award by Universiti Kebangsaan Malaysia
- 5/12/2007 --- Research Group Award by Universiti Kebangsaan Malaysia
- 5/6/2009 --- Excellent Service Award by Universiti Kebangsaan Malaysia
- 15/10/2010 --- Thirty Years Service Award by Universiti Kebangsaan Malaysia

### **PROFESSIONAL HONOUR**

#### **i) International Appointment**

- 1) Appointment as an Expert by IUCN in UNESCO World Heritage Field Inspection Mission to Chengjiang Fossil Site, China (2011)
- 2) Appointment as a Geopark Expert by UNESCO in GGN Validation Mission to the Aras Geopark, Iran (2011)
- 3) Appointment as a Geopark Expert by UNESCO in GGN Revalidation Mission to the English Riviera Global Geopark, England (2011)
- 4) Appointment as a Geopark Expert by UNESCO in GGN Validation to the Cilento e Vallo di Diano Geopark, Italy (2010)

- 5) Appointment as a Geopark Expert by UNESCO in GGN Revalidation to the Qeshm Geopark, Iran (2010)
- 6) Appointment as a Member of Advisory Group by UNESCO Global Geoparks Network (GGN) (2009).
- 7) Appointment as a Member of the Advisory Committee by UNESCO Asia Pacific Geoparks Network (APGN) (2009).
- 8) Appointment as a Member of the Coordinating Committee by UNESCO Asia Pacific Geoparks Network (APGN) (2009).
- 9) Appointment as a Geopark Expert by UNESCO in GGN Validation to the Toya Caldera - Usu Volcano Geopark, Japan (2009)
- 10) Appointment as an Advisory Board Member for Journal of Southeast Asian Applied Geology, Universitas Gadjah Mada, Jogjakarta (2009).
- 11) Appointment as a Country Campus Representative by Geological Society of America (2008).
- 12) Appointment as Contact Officer to implement the MoU between UKM and the Edith Cowen University, Australia (2008).
- 13) Appointment as Contact Officer to implement the MoU between UKM and Coordinating Committee on Geoscience Programmes in East and Southeast Asia (CCOP) (2007).
- 14) Appointment as a Contact Officer to implement the MoU between UKM and Universitas Pembangunan Nasional 'Veteran', Indonesia (2004).
- 15) Appointment as an Honorary Associate by the Asia Centre, University of New England, Australia (2001).
- 16) Appointment as Chairman for the Organising Committee and Committee Members of many international and regional Conferences, Symposia, Seminars, Workshops and Dialogues on topics related to geology, geoheritage and geopark.
- 17) Appointment as a Reviewer for several international journal papers and research proposals.

## **ii) National Appointment**

- 18) Appointment as a Member of Expert Committee for National Geological Heritage List by the Commissioner of Heritage (2010).
- 19) Appointment as a Member of the National Committee on Stratigraphy (1995).
- 20) Appointment as the Chief Geologist for the Langkawi Geopark (2006).
- 21) Appointment as the Chairman for Technical Committee of the Langkawi Geopark (2006).
- 22) Appointment as the Chief Editor in Earth Science for Journal of Sains Malaysiana (2001-2004).
- 23) Appointment as the Chief Guest Editor for Geological Society of Malaysia Bulletin Volumes 48 (2004) and 56 (2010).
- 24) Appointment as Editor for several volumes of Geological Heritage of Malaysia Book Series since 1997.
- 25) Appointment as Chief Editor for BUMI Magazine (1996-1999).
- 26) Appointment as a Member of the Editorial Board for SEMESTA Magazine (1998-1999).
- 27) Appointment as an Editor for Buletin Warisan Geologi (Magazine) (1998-2000).
- 28) Appointment as External Assessor for several PhD and MSc candidate's thesis; Associate Professorship's application; and MOSTI's Panel for Post-doctoral Research Scheme application and MAPIM's Award Panel for Best Journal Category.

- 29) Appointment as Reviewer for several national and international journal papers and books.
- 30) Appointment as Chairman for the Organising Committee and Committee Members of many national Conferences, Symposia, Seminars, Workshops and Dialogues on topics related to geology, geoheritage and geopark.
- 31) Invited as keynote speaker for national and international conferences, symposia and seminars, resource person and panelist for dialogues and workshops on topic related to geology, palaeontology, geoheritage, geopark as well as geohazard.
- 32) Appointment as a Leader for several scientific expeditions by various organisations.
- 33) Elected as the Chairman of the Malaysian Geological Heritage Group (2005-2010; 2010-2012).
- 34) Elected as the Secretary of the Malaysian Geological Heritage Group (1996-2005).
- 35) Elected as the President of the Geological Society of Malaysia (2003-2004).
- 36) Elected as the Vice President of the Geological Society of Malaysia (2000-2003).
- 37) Elected as the Council Member of the Geological Society of Malaysia (1995-1997).
- 38) Invited as an Honorary Life Member of the Malaysian Karst Society (since 1995).

### iii) Keynote Addresses / Invited Papers

- 39) Invited Paper on *Geoscience Publications in Malaysia* at the **International Workshop on Editorial Board of Geoscience Journals in East and Southeast Asia** (21-23 November 2011, Bandung, Indonesia)
- 40) Plenary Paper on *Geoparks for Sustainability of Geological Resources* at the **International Symposium on Environment and Natural Resources** (15-17 November 2011, Bangi, Malaysia)
- 41) Invited Paper on *Guidelines for Global Network of National Geoparks (GGN) Applicants* at the **JMG-BGI Joint Capacity Building Programme on Geoheritage Assessment and Management** (10-14 October 2011, Kuala Lumpur)
- 42) Keynote Paper on *Perihal Sumber dan Tapak Geowarisan – Antara Matlamat dan Keperluan* at the **Fourth Indonesia-Malaysia Joint Geoheritage Conference** (1-4 October 2011, Kuala Terengganu)
- 43) Invited Paper on *Asia Pacific Geoheritage Conservation Initiatives* at the **Second Asia-Pacific Geoparks Network Symposium** (18-19 July 2011, Hanoi, Vietnam)
- 44) Guest Lecture on *Formation of Rocks and Geodiversity* at the **Langkawi Tourist Guide Association Continual Tourism Related Education Program** (5 July 2011, Langkawi)
- 45) Invited Paper on *Geopark – the view of UNESCO supported Global Network of National Geopark (GGN)* at the **Geological Survey of Iran Workshop on UNESCO Geopark Guidelines** (29 May 2011, Teheran, Iran)
- 46) Keynote Paper on *Geowarisan: Pemuliharaan, Pendidikan dan Geopelancongan* at the **Symposium Kebangsaan Warisan dan Pemuliharaan Kedua** (29 April – 1 May 2011, Kuching)
- 47) Keynote Paper on *Kegemilangan Geowarisan untuk Generasi Masa Depan* at the **Third Indonesia-Malaysia Joint Geoheritage Conference** (6-8 October 2010, Jogjakarta, Indonesia)
- 48) Invited Paper on *Tales and Trails of Langkawi* at the **QS (Quacquarelli Symonds) Third World Classroom for Leaders of Asia's Schools (Class) Programme** (19-21 April 2010, Langkawi)
- 49) Keynote Paper on *Geoscientific Forum: Mechanism for Preserving the Integrity of Geoheritage within Geopark* at the **Fourth International UNESCO Conference on Geoparks** (9-15 April 2010, Langkawi)

- 50) Keynote Address on Kepelbagaian Geologi daripada Perspektif Warisan dan Pemuliharaan at the **Simposium Kebangsaan Warisan dan Pemuliharaan** (26-28 February 2010, Langkawi)
- 51) Keynote Papers on *Isu-isu Pemuliharaan Sumber Geowarisan* at the **Persidangan Warisan Geologi Malaysia Keenam** (14-19 October 2009, Johor Bharu)
- 52) Invited Paper on *General Geology and Geomorphology of Late Mesozoic Continental Deposits from the Central and Eastern Belts of Peninsular Malaysia* at the **First International Symposium on Danxia Landform** (26-28 May 2009, Shaoguan City, China)
- 53) Invited Paper on *Malaysian Experience in Geoheritage Conservation* at the **Cheongwoon 4th International Conference on Conservation of Natural Environment and Geoheritage** (20-22 September 2008, Daejeon, Korea)
- 54) Invited Paper on Present Scenario of Geopark Initiatives in Malaysia at the **Third International UNESCO Conference on Geoparks** (22-26 June 2008, Osnabrück, Germany)
- 55) Keynote Paper on *Geopark Development Programme in Malaysia* at the **First Regional Conference on Asia Pacific Geoparks and Business Dialogue** (13-15 November 2007, Langkawi)
- 56) Invited Paper on *December 26<sup>th</sup> Tsunami Experience in Malaysia* at the **RCA-UNDP Regional Training Workshop on the Use of NATs and the Interaction with End-users for Effective Implementation of the Post-tsunami EIA Project** (5-9 February 2007, Kuala Lumpur)
- 57) Invited paper on *Tsunami Effects in Langkawi* at the **National Workshop on Seismic and Tsunami Hazards and Risks in Malaysia** (24-25 April 2006, Kuala Lumpur)
- 58) Invited Paper on *Inisiatif Pembangunan Langkawi sebagai sebuah Geotaman: Memperkukuh Ekopelancongan Berasaskan Sumber Alam Semulajadi* at the **Dialog Pembangunan Langkawi 2006** (3 April 2006, Langkawi)

## **ACADEMIC TEACHING EXPERIENCES:**

### **COURSES THOUGHT:**

#### **a) First Year Courses (Geology Department, UKM)**

- Mineral, Rock and Fossil (SG 1012)
- Mineral, Rock and Fossil (Practical) (SG 1011)
- Practical Physical Geology (SG 1031)
- Practical Crystal, Mineral and Rock (SG 1052)
- Mineral and Rock (STAG 1012)

#### **b) Second Year Courses (Geology Department, UKM and Earth Sciences Department, UKMS)**

- Palaeontology and Practical (SG 2043, AG 2073, SG1073, STAG 1052, STAG 1043)
- Geomorphology (SG 2052)
- Principles of Stratigraphy (AG 2051)
- Stratigraphy of Malaysia (SG 2062, STAG 2022)
- Fieldwork I - Introduction to Mineral, Rock & Fossil (SG 2001, SG1002)

#### **c) Third Year Courses (Geology Department, UKM)**

- Geology of Malaysia I - Stratigraphy (SG 3091)
- Effective Presentation Technique (SG 3292, STAP 3022)
- Reports Writing Technique (SG 3011)
- Fieldwork II - Lithostratigraphy (SG 3011, SG2002)
- Geological Mapping Exercise (SG3052)

#### **d) Fourth (Honours) Year Courses (Geology Department, UKM)**

- Geology of Malaysia II - Economic, Structural Geology and Tectonic (SG 4092)
- Seminar (SG 4002)
- Coordination Course (SG 4022)
- Geological Mapping Exercise (SG 4074, SG4032)

## - *International Student Mobility* – Sustainability of Tropical Heritage (STPD 4044)

## **GRADUATE SUPERVISION:**

### **Completed PhD and Master Dissertations:**

- 1) *Metamorphism of the Palaeozoic Rock Formation along the East-West Highway, Gerik (Perak) - Jeli (Kelantan).* **Masters Dissertation.** Rohayu Che Omar (1995). Joint Supervisor.
- 2) *Permian Brachiopoda from China and Malaysia: Palaeoecology, Palaeobiogeography and Extinction.* **PhD. Dissertation.** Monica Campi (2003) Deakin University, Australia. Associate Supervisor.
- 3) *Permian brachiopods from Peninsular Malaysia, Thailand and Cambodia: Implications for Biogeography, Palaeogeography and Tectonic Evolution of Southeast Asia.* **PhD. Dissertation.** Masatoshi Sone (2006). University of New England. Associate Supervisor.
- 4) *Stratigraphy and Sedimentology of the East Johore Palaeozoic Basin, Peninsular Malaysia.* **PhD. Dissertation.** Sugeng Sapto Surjono (2007). Principal Supervisor.

- 5) *Characterization and Assessment of Geoheritage Resources for the Development of Langkawi Geopark's Component*. **PhD. Dissertation**. Tanot Anak Unjah (2011). Co-Supervisor.
- 6) *Sumber Warisan Geologi dan Pembangunannya Secara Lestari di Lembah Kinta*. **Master Dissertation**. Ishlahuda Hani binti Sahak (2011). Principal Supervisor.

#### **Ongoing Research Student:**

- 7) *Warisan Fosil Moluska Trias di Aring, Kelantan*. **Ongoing Master Dissertation**. Ahmad Rosli bin Othman (commencing 2007)
- 8) *Sedimentology of the Middle to Upper Triassic deep water sediment of Semantan Formation*. **Ongoing Master Dissertation**. Hasnol Hady bin Ismail (commencing 2007)
- 9) *Warisan geologi batuan rijang berradiolaria di Pos Belau, Ulu Kelantan*. **Ongoing Master Dissertation**. Muhammad Ashahadi Bin Dzulkafli (commencing 2009)
- 10) *Asuming Environmental and Economic Value of Langkawi Geopark as Ecotourism Destination*. **Ongoing PhD Dissertation**. Azman Abdul Rahman (commencing 2009)
- 11) *Sejarah Geologi batuan Formasi Singa, Langkawi*. **Ongoing Master Dissertation**. Noor Hazwani Binti Abdul Rahim (commencing 2010)
- 12) *Evaluating Geotourism Activites in Langkawi Geopark*. **Ongoing PhD Dissertation**. Hamimah Hassan (commencing 2010)
- 13) *Valuation of Geotourism: The Case of Langkawi Island, Malaysia*. **Ongoing Master Dissertation**. Sophea Ibrahim (commencing 2010)
- 14) *Ethics and Environmental Awareness*. **Ongoing Master Dissertation**. Wan Syairah Hazwani Binti Wan Petera (commencing 2010)
- 15) *Planning for Sustainable Development of Farashan Island, Saudi Arabia*. **Ongoing PhD Dissertation**. Idris Alwadani (commencing 2010)

#### **Undergraduate Dissertations**

- 1) *Geologi Kawasan Kuala Lipis, Pahang*. Yusof bin Bujang (1984/85)
- 2) *Geologi Kawasan Kuala Lipis - Benta, Pahang*. Wan Mazlan Wan Mahmood (1984/85)
- 3) *Geologi Kawasan Padang Tengku, Kuala Lipis, Pahang*. Kassim bin Hussin (1984/85)
- 4) *Geologi Kawasan Barat Kuala Lipis, Pahang Darul Makmur*. Mohamad Basir Yusoff (1985/86)
- 5) *Geologi Sepanjang Lebuhraya Dada Kering - Merapoh Highway, Pahang Darul Makmur*. Abdul Halim Yusof (1985/86)
- 6) *Geologi Kawasan Jerantut, Pahang Darul Makmur*. Maziran Mustafa Kama (1986/87)
- 7) *Geologi Kawasan Kuala Tembeling, Pahang*. Danis Buik (1986/87)
- 8) *Geologi Kawasan Manchis, Bentong, Pahang Darul Makmur*. Othman A. Shukor (1986/87)
- 9) *Geologi Kawasan Durian Tipus, Negeri Sembilan*. Razimi Ahmad (1986/87)
- 10) *Geologi Kawasan Sungai Bok, Marudi, Bahagian Miri, Sarawak*. Lim Chun Hui (1991/92)
- 11) *Geologi Kawasan Sungai Sekaloh, Niah, Miri, Sarawak*. Raja Abd Halim bin Raja Muda (1991/92)

- 12) *Geologi Kawasan Jerantut - Sungai Tekam, Pahang Darul Makmur*. Nor Asmah Abd Aziz (1992/93)
- 13) *Geologi Kawasan Marudi, Sarawak*. Wan Zuhairi wan Yaccub (1993/4)
- 14) *Geologi Kawasan selatan Marudi, Sarawak*. Tan Kail Tin (1993/4)
- 15) *Geologi Kawasan Chaah, Johor*. Yusri Zakariah (1994/5)
- 16) *Geologi Kawasan Yong Peng, Johor*. Lee Beng Huat (1995/6)
- 17) *Geologi Kawasan Kaki Bukit - Bukit Keteri, Perlis*. Asibih Baginda (1995/6)
- 18) *Geologi Kawasan tenggara Langkawi*. James Valyakalil Daniel (1996/7)
- 19) *Geologi Kawasan Sekitar Bukit Damar, Pahang*. Norazman bin Mohd Had (1996/7)
- 20) *Geologi Kawasan Timur Tasik Bera, Pahang*. Mohd. Nazri bin Hashim (1997/8)
- 21) *Middle Permian brachiopods and biostratigraphy of the Bera District, Central Pahang, Peninsular Malaysia*. Masatoshi Sone (1998/9)
- 22) *Stratigrafi dan Paleontologi kawasan selatan Sungai Jempul, Maran, Pahang Darul Makmur*. Ho Kong Seng (1998/9)
- 23) *Stratigrafi dan Paleontologi kawasan sekitar Kg. Awah, Pahang*. Shamsaimon bin Jumali (1998/9)
- 24) *Stratigrafi dan Sedimentologi batuan Perm dari kawasan Kuala Lipis - Terenggun, Pahang Darul Makmur*. Mohd Shahril bin Razali (1999/2000)
- 25) *Stratigrafi dan Sedimentologi batuan Trias dari kawasan Kuala Lipis - Terenggun, Pahang Darul Makmur*. Disimon @ Edmund Ak Gansoi (1999/2000)
- 26) *Stratigrafi dan Sedimentologi kawasan utara Tasik Bera, Pahang Darul Makmur*. Shahrizad bin Shahadan (1999/2000)
- 27) *Geologi am Pulau Labuan*. Arni samiraty binti Abdol Samat (1999/2000)
- 28) *Stratigrafi dan Paleontologi kawasan Kuala Lipis - Kerambit, Pahang Darul Makmur*. Mohd. Nazaruddin bin Mokhri (2000/1)
- 29) *Stratigraphy and sedimentology of the Mela - Kerambit area, Pahang Darul Makmur*. Hareyani binti Zabidi (2000/1)
- 30) *Stratigrafi dan Sedimentologi Formasi Singa di baratdaya Pulau Langkawi*. Siti Aisyah binti Osman (2000/1)
- 31) *Sedimentologi dan paleontologi kawasan Kilim, Pulau Langkawi, Kedah Darul Aman*. Asmaniza binti Yop (2001/2)
- 32) *Sedimentologi dan stratigrafi kawasan utara Pulau Langkawi*. Dibie Ak Mama (2001/2)
- 33) *Geologi kawasan Salak Tinggi, Selangor dan Bandar Baru Nilai, Negeri Sembilan*. Norzuhairil bin Zubir (2001/2)
- 34) *Sedimentologi dan paleontologi Formasi Machinchang di kawasan pesisir pantai dari Pantai Pasir Tengkorak hingga Teluk Kubang Badak, Pulau Langkawi, Kedah*. Hasnol Hady bin Ismail (2002/3)
- 35) *Warisan geologi kawasan timurlaut Pulau Langkawi, Kedah Darul Aman*. Huzaimi Mohd Zin @ Nordin (2002/3)
- 36) *Paleontologi di kawasan Kilim, Pulau Langkawi, Kedah*. Salina binti Yahya (2002/3)
- 37) *Sedimentologi dan paleontologi kawasan Penjom, Pahang*. Nor Haslinda binti Ramli (2003/4)
- 38) *Paleontologi batu kapur Bukit Biwa, Terengganu*. Gan Lee Kien (2003/4)
- 39) *Sedimentologi dan stratigrafi kawasan timur Gunung Sumalayang, Kota Tinggi, Johor*. Lai Hong Loong (2003/4)
- 40) *Paleontologi sepanjang jalanraya di Felda Cherul (Terengganu) dan Felda Bukit Sagu (Pahang)*. Marlia binti Musa (2004/5)
- 41) *Paleontologi kawasan sekitar Bandar Cherul, Terengganu*. Siti Sham binti Aziz (2004/5)
- 42) *Paleontologi di Pulau Langgun, Langkawi, Kedah*. Siti Zainab binti Muda (2004/5)
- 43) *Sedimentologi dan paleontologi kawasan sekitar Bukit Tekuh, Langkawi*. Chim Liang Hua (2005/6)
- 44) *Sedimentologi dan paleontologi kawasan sekitar Batu Asah, Langkawi*. Muhammad Rahmani bin Hamzah (2005/6)
- 45) *Sedimentologi dan stratigrafi kawasan singkapan Jalan Pasir Tengkorak hingga Tanjung Buta, Langkawi*. Leonard Anak Nicholas Boyok (2006/7)



- 46) *Kajian fitur geomorfologi di kawasan Pantai Tengkorak dan Tanjung Buta, Langkawi.* Tan Siew Chee (2006/7)
- 47) *Sedimentologi dan stratigrafi kawasan Teluk Tok Manap dan Air Terjun Temurun, Langkawi.* Husnul Kausarian (2006/7)
- 48) *Sedimentologi kawasan Pantai Tengah dan Pulau Tepor, Langkawi.* Nadhirah binti Ahmad (2007/8)
- 49) *Sedimentologi kawasan Pulau Ular, Pulau Selang dan Teluk Baru, Langkawi.* Nadhirah binti Abdul Rahim (2007/8)
- 50) *Sedimentologi dan paleontologi sepanjang lebuh raya antara Felda Chiku 2 dan Sungai Relai, Kelantan.* Ong Bok Yao (2007/8)
- 51) *Sedimentologi dan paleontologi sepanjang lebuh raya antara Sungai Aring dan Sungai Relai, Kelantan.* Teoh Hooi Ching (2007/8)
- 52) *Sedimentologi dan stratigrafi kawasan perumahan antara Kampung Tempoyang dan Kampung Limau Purut, Kuala Lipis, Pahang.* Nursufiah binti Sulaiman (2008/9)
- 53) *Sedimentologi dan mikrofases batu kapur Gua Bama, Pahang.* Nurul Adilah binti Manshor (2008/9)
- 54) *Sedimentologi dan mikrofases batu kapur Gua Sei dan kawasan sekitar, Pahang.* Nursyazwani binti Adnan (2008/9)
- 55) *Sedimentologi dan stratigrafi Pulau Rebak Besar, Langkawi.* Nursyazwani binti Abdul Jalil (2009/10)
- 56) *Sedimentologi dan stratigrafi Pulau Ular, Langkawi.* Hasmizatul Atika binti Mohamed Ali (2009/10)
- 57) *Geologi am dan potensi geopelancongan Sungai Gabai, Hulu Langat, Selangor.* Mohamad Shafiq bin Ishak (2009/10)
- 58) *Sedimentologi dan stratigrafi Pulau Singa Besar, Pulau Singa Kechil, Pulau Intan Besar dan Pulau Intan Krchil, Langkawi.* Nur Syafiqah binti Awang (2010/11)
- 59) *Sedimentologi dan stratigrafi Formasi Singa dan Formasi Chuping di Pulau Singa Besar, Langkawi.* Fayyadhah binti Muhamad Fauzi (2010/11)
- 60) *Sedimentologi dan stratigrafi di kawasan sekitar Tanjung Pekula, Pulau Singa Besar, Langkawi.* Mohsin bin Abdul Jalil (2010/11)

#### **Other Educational Activities**

- 1) Member of Faculty's Curriculum Planning Committee in planning for Geology Curriculum (1993 - 1994)
- 2) Member of Faculty's Curriculum Committee for the proposed Program of Natural Resources Science in the proposed Terengganu Campus (1999)
- 3) Chairman of the Post Graduate Study Committee for the Institute for Environment and Development (Lestari) UKM (2005-2010)
- 4) Member of the Quality Management Quality Committee for the Institute for Environment and Development (Lestari) UKM (2007-2010)
- 5) Member of UKM's Task Force / Planning Committee for Combining the Undergraduate and Post Graduate Study MS ISO 9001:2000 Certification Procedures (2008 – 2009).
- 6) Member of UKM's Committee for Promotion of Bahasa Melayu (2009-2010)

## **RESEARCH**

### **Palaeontology, Sedimentology and Stratigraphy**

- 1) *Upper Devonian trilobites from South Devonshire, England*  
(Place - Devonshire, England; Status – MSc research; Sponsor – UKM-1980)
- 2) *The Geology of the Lipis Group, Kuala Lipis, Pahang*  
(Place - Kuala Lipis, Pahang; Status - individual; Sponsor – UKM-1984)
- 3) *The Geology of the Dada Kering - Gua Musang Highway, Pahang - Kelantan*  
(Place – Pahang and Kelantan; Status - individual; Sponsor – UKM-1986)
- 4) *Permian Productidina (brachiopod) of Britain and Malaysia*  
(Place - Britain dan Malaysia; Status – PhD Research; Sponsor – UKM-1987)
- 5) *Permian Brachiopods from Northwest Pahang and Southern Kelantan*  
(Place - Pahang and Kelantan; Status - individual; Sponsor – UKM-1991)
- 6) *Some Geological Aspects of the Kuala Betis Area, Kelantan.*  
(Place - Kuala Betis, Kelantan; Status - research member with Abdul Rahim Samsudin (leader); Sponsor – UKM-1994)
- 7) *Economic Potential of the Mesozoic rocks in Peninsular Malaysia*  
(Place - Peninsular Malaysia; Status – research member with Kamal Roslan Mohamed (leader); Sponsor - IRPA Project 4-07-03-033-1994)
- 8) *Permian Rocks and Fauna from the Western Belt of Peninsular Malaysia and Their Relationship with Gondwanaland*  
(Place - Western Belt of Peninsular Malaysia and Sydney Basin, Australia; Status - individual (sabbatical research); Sponsor - UKM dan Deakin University-1996)
- 9) *Geology of the Pahang Delta and its Catchment Area*  
(Place - Pahang River delta and tributaries; Status - research member with Ahmad Jantan (leader); Sponsor - IRPA Project 02-02-02-0004-1996)
- 10) *Assessment of Malaysian Palaeozoic geological resources for optimization of earth material exploitation and conservation of strategic geological resources*  
(Place – East Coast of Peninsular Malaysia; Status – Project Leader; Sponsor – IRPA Project 02 -02-02-0012-EA186-2001)
- 11) *Stratigraphy and Lithofacies of Limestone in Pahang State*  
(Place – Pahang; Status – research member with Kamal Roslan Mohamed (leader); Sponsor – UKM-2005)
- 12) *Palaeobiogeography of Malaysian Middle Permian Brachiopod*  
(Place – Pahang and Kelantan; Status – Project Leader; Sponsor – UKM-2005)
- 13) *Ancient Sea Level (Holocene) in Langkawi Islands*  
(Place – Langkawi; Status – research member with Kamal Roslan Mohamed (leader); Sponsor – Projek UKM-ST-08-FRGS0012-2009)
- 14) *Geological Resources of the Central Belt of Peninsular Malaysia for Sustainable Development*  
(Place – Kelantan, Pahang and Johor; Status – research member with Basir Jasin (leader); Sponsor – Project UKM-GUP-PLW-08-11-141-2008)
- 15) *Policy and Planning Responses for Earthquake and Tsunami Hazards in Malaysia*

(Place – Malaysia and Indonesia; Status – research member with Ibrahim Komoo (leader); Sponsor – Academy of Science Malaysia-2005)

### **Geoheritage Conservation, Sustainable Development and Geotourism**

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(Place - Taman Negara and Langkawi Islands; Status - research member with Ibrahim Komoo (leader); Sponsor - IRPA Project 02-02-02-0006-1996)
- 17) *Development of Geological and Landscape Heritage Resources for Conservation and Ecotourism*  
(Place - Whole Malaysia; Status - research member with Ibrahim Komoo (leader); Sponsor - IRPA Project 02-02-02-0015-1998)
- 18) *Assessment of Nature and Culture Resources for Tourism Development in Langkawi*  
(Place – Langkawi; Status – Project Leader; Sponsor – UKM-2004)
- 19) *Science and Governance for Sustainability: Development of Intergrative Framework*  
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- 26) *Penilaian geodiversiti untuk tujuan pemuliharaan dan geopelancongan*  
(Place – Langkawi; Status – Project Leader); Sponsor – Project UKM-GUP-2011-272)

*27) Geowarisan Batuan Jalur Barat Semenanjung Malaysia*

(Place – Perlis, Kedah, Perak and Selangor; Status – research member with Mohd Rozi Umor (Leader); Sponsor - UKM-GUP-2011-178)

*28) Menciri dan menilai geotapak untuk pelancongan, pemuliharaan dan pembangunan geopark di Langkawi dan barat laut Semenanjung Malaysia*

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- 184) **Mohd Shafeea Leman**, Ibrahim Komoo, Kamal Roslan Mohamed, Che Aziz Ali, Tanot Unjah, Kassim Othman & Mohd Hizamri Yassin 2007. Geology and geoheritage conservation within Langkawi Geopark, Malaysia. In Zhao Xun, Jiang Jianjun, Dong Shuwen, Li Minglu & Zhao Ting (eds.) *Proceedings of the Second International Symposium on Development within Geopark: Science and Management*, Geological Publishing House, Beijing China, 181-190.
- 185) Kamarulzaman Abdul Ghani, **Mohd Shafeea Leman**, Norhayati Ahmad, Kassim Othman & Ibrahim Komoo 2007. Development approach and management strategy of Langkawi Geopark. In Zhao Xun, Jiang Jianjun, Dong Shuwen, Li Minglu & Zhao Ting (eds.) *Proceedings of the Second International Symposium on Development within Geopark: Science and Management*, Geological Publishing House, Beijing China, 191-196.
- 186) Sugeng S. Suryono, **Mohd Shafeea Leman** & Hendra Amijaya 2007. Palaeozoic rock resources in East Peninsular Malaysia. *Proceedings of the 3<sup>rd</sup> International Symposium on Earth Resources and Geological Engineering Education*, 491-498.
- 187) Tajul Anuar Jamaluddin, Tongkul, F., Ibrahim Komoo, **Mohd Shafeea Leman**, Lim, C. S., Hamzah Latief & Adit R. Gusman 2007. Policy and Planning Responses for Earthquake and Tsunami Hazards in Malaysia - Preliminary Results, *Proc. CCOP Thematic Sessions, Cebu, Philippines, 24-25 Oct. 2007*.
- 188) **Mohd Shafeea Leman**, Ibrahim Komoo, Basintal, P., Nais, J. & Tongkul, F. 2008. Present scenario of geopark initiatives in Malaysia, *Proceedings of the 3<sup>rd</sup> International UNESCO Conference on Geopark, Osnabruck, Germany*, 71-72. [ISBN 978-3-00-025078-1]
- 189) **Mohd Shafeea Leman**, Ibrahim Komoo, Kamal Roslan Mohamed & Che Aziz Ali 2008. Establishing recreational forests of Langkawi as protected geosites within Langkawi Geopark, Malaysia, *Proceedings of the 3<sup>rd</sup> International UNESCO Conference on Geopark, Osnabruck, German*, 71. [ISBN 978-3-00-025078-1]
- 190) **Mohd Shafeea Leman**, Ibrahim Komoo & Shaharuddin Mohamad Ismail, 2008. Recreational forests and geotourism in Peninsular Malaysia, *Proceedings of the Inaugural Global Geotourism Conference 2008*, 241-250. [ISBN 978-3-00-025078-1]
- 191) Kamarulzaman Abdul Ghani, Ibrahim Komoo & **Mohd Shafeea Leman** 2008. Present and future challenges in sustaining the Langkawi Geopark, Malaysia. *Proceedings of the 3<sup>rd</sup> International UNESCO Conference on Geopark, Osnabruck, Germany*, 43-44. [ISBN 978-3-00-025078-1]
- 192) **Mohd Shafeea Leman** 2009. General geology and geomorphology of Late Mesozoic continental deposits from the central and eastern belts of peninsular Malaysia. *Proceedings of the 1<sup>st</sup> International Symposium on Danxia Landform. 26<sup>th</sup> – 28<sup>th</sup> May 2009, Danxiashan, Guangdong, People's Republic of China*, 325-332.
- 193) Aziz Deraman, Jamaiah Yahaya, Juhana Salim, Sufian Idris, Dian Indrayani Jambari, Asraf Jaradat, Ibrahim Komoo, **Mohd Shafeea Leman**, Tanot Unjah, Marilah Sarman and Lim, C. S. 2009. The Development of myGeo-RS: a Knowledge Management System of Geodiversity Data for Tourism Industries. *Proceedings of the International Conference on Software Engineering & Computer Systems*.
- 194) **Mohd Shafeea Leman** 2010. Geoscientific forum: Mechanism for preserving the integrity of geoheritage within geopark. *Proceedings of the 3<sup>rd</sup> International*

*UNESCO Conference on Geopark, Langkawi, Malaysia*, 19. [ISBN 978-967-5227-36-3].

- 195) Aziz Deraman, Jamaiah H. Yahaya, Juhana Salim, Suffian Idris, Ibrahim Komoo, **Mohd Shafeea Leman**, Tanot Unjah, Marilah Sarman & Lim, C. S. 2010. MyGeo-RS: The geodiversity repository system based on digital object modelling. *Proceedings of the 3rd International UNESCO Conference on Geopark, Langkawi, Malaysia*, 163-164. [ISBN 978-967-5227-36-3].
- 196) Azman A Rahman, Shaharuddin Mohamad Ismail & **Mohd Shafeea Leman** 2010. Environmental values and resource management options of Langkawi Global Geopark. *Proceedings of the 3rd International UNESCO Conference on Geopark, Langkawi, Malaysia*, 74. [ISBN 978-967-5227-36-3].
- 197) Che Aziz Ali, Kamal Roslan Mohamed, **Mohd Shafeea Leman**, Wan Fuad Wan Hassan, Hamlee Ismail & Mohd Fauzi Abdullah 2010. Geotourism within potential Tasik Kenyir national geopark, Terengganu Darul Iman, Malaysia. *Proceedings of the 3rd International UNESCO Conference on Geopark, Langkawi, Malaysia*, 78. [ISBN 978-967-5227-36-3].
- 198) Kamal Roslan Mohamed, Che Aziz Ali & **Mohd Shafeea Leman** 2010. Ancient sea level as one of the most important geoheritage resources in Langkawi Geopark, Malaysia. *Proceedings of the 3rd International UNESCO Conference on Geopark, Langkawi, Malaysia*, 170. [ISBN 978-967-5227-36-3].
- 199) Tanot Unjah, **Mohd Shafeea Leman** & Ibrahim Komoo 2010. Simplifying geology – Interpreting landscape for public understanding at Langkawi Geopark. *Proceedings of the 3rd International UNESCO Conference on Geopark, Langkawi, Malaysia*, 169. [ISBN 978-967-5227-36-3].
- 200) **Mohd Shafeea Leman** & Ibrahim Komoo 2010. Regional collaboration in promoting geoheritage as a tool for sustainable development of geological resources. In Reedman, A. & Nguyen, N. T. (eds.) *Proceedings of the CCOP 46<sup>th</sup> Annual Thematic Session on Sustainable and Environmental-friendly Development of Georesources*, 136-144 [ISSN 974-226-387-6].
- 201) Mohd Rozi Umor, Azman Abd Ghani, Hamzah Mohamad, **Mohd Shafeea Leman**, Khin Zaw and Azimah Hussin. 2011. Re-evaluation of geochemical classification of the Western Belt, Central Belt and Eastern Belt granitoids, Malaysia Peninsular and their tectonic implications. *Proceeding International Conference on Geology, Geotechnology and Mineral Resources of Indochina (GEOINDO 2011)*, 1-3 December 2011, Khon Kaen, Thailand, Page 22 – 27.
- 202) Tanot Unjah, **Mohd Shafeea Leman** & Ibrahim Komoo 2011. Communicating geology through landscape for the public: Case study in Langkawi Geopark. *Proceedings of the Second Asia-Pacific Geoparks Network Symposium on Geopark and Geotourism for Regional Sustainable Development*, 54-55.

#### **Articles in Magazines, Newspaper and other publications**

- 203) **Mohd Shafeea Leman** 1995. Peering into our past & Dinosaurs in our Taman Negara? Life & Time, *New Strait Times Friday 11 August 1995*.
- 204) **Mohd Shafeea Leman** 1996. Permian brachiopods from northern Pahang and southern Kelantan. *UKM Research Highlights 1996*, 68-71.

- 205) **Mohd Shafeea Leman** 1996. Mitos Pulau Langkawi: Penjelasan maklumat geologi. *BUMI* **2(1)**, 1, 3-4.
- 206) **Mohd Shafeea Leman** 1996. Fosil: Hidupan masa silam, Khazanah hari ini. *BUMI* **2(1)**, 4-5.
- 207) **Mohd Shafeea Leman** 1997. Perubahan iklim dunia: Catatan batuan Malaysia. *BUMI* **2(1)**, 7, 11.
- 208) **Mohd Shafeea Leman** 1998. Langkawi di pinggir Gondwanaland 300 juta tahun yang Lampau. *Buletin Warisan Geologi Malaysia* **1**, 2.
- 209) **Mohd Shafeea Leman** 1998. Air, kehidupan dan pembangunan negara, serta beberapa penjelasan tentang kegawatan air 1998. *BUMI* **3(1)**, 1-3.
- 210) **Mohd Shafeea Leman** 1998. Permian Brachiopods as an alternative source for biostratigraphic correlation in Malaysia and adjacent Southeast Asian region. *Abstract of papers from GEOSEA '98 Ninth Regional Congress on Geology, Mineral and Energy Resources of Southeast Asia, Kuala Lumpur, Malaysia 17-19 August 1998*. 190.
- 211) **Mohd Shafeea Leman** 1999. Fosil brakiopod iklim sejuk warisan geologi di Kilim, Langkawi. *Buletin Warisan Geologi Malaysia* **2**, 2.
- 212) **Mohd Shafeea Leman** 1999. Tektit. *SEMESTA* **3**, 9-11.
- 213) **Mohd Shafeea Leman** 2000. Batu Arang sebagai penjana pembangunan awal Pulau Labuan. *Buletin Warisan Geologi Malaysia* **4**,
- 214) **Mohd Shafeea Leman** 2006. Geological History of Langkawi. *Langkawi Sight & Sound, Special Issue*, 13-15.
- 215) **Mohd Shafeea Leman** 2007. The Malaysian Geopark. *Langkawi Sight & Sound, Special Issue*, 17-19.
- 216) **Mohd Shafeea Leman** 2009. Rangka dinosaur ada di Pahang? *Kosmo* 1 Februari 2009, p10.

#### **Unpublished Reports.**

- 217) **Mohd Shafeea Leman** 1983. *The Taxonomy of Some Upper Devonian Trilobites from South Devonshire*. Unpublished Phd MSc Thesis University of Glasgow, 150pp.
- 218) **Mohd Shafeea Leman** 1990. *Permian Productina of Britain and Malaysia*. Unpublished PhD thesis University of Durham, 285pp.
- 219) **Mohd Shafeea Leman** 1994. Paleontologi in Abdul Rahim Samsudin. Several Geological Aspects of the Kuala Betis Area, Kelantan. *Final Report for UKM Project 54/91*.
- 220) **Mohd Shafeea Leman** 1995. Permian brachiopod from northwest Pahang and south Kelantan. *Final Report for UKM Project 28/91*, 57pp.

- 221) Kamal Roslan Mohamed, Abdul Rahim Samsudin, Che Aziz Ali, Ibrahim Abdullah, Ibrahim Komoo, Juhari Mat Akhir, Mohamad Md Tan, **Mohd Shafeea Leman** & Uyop Said 1996. Economic potential of Mesozoic sedimentary rocks of Peninsular Malaysia, Vol I - Stratigraphy and sedimentology of Mesozoic rocks of Peninsular Malaysia. *Final report for IRPA Program 4-07-03-033*, 325pp.
- 222) **Mohd Shafeea Leman** 1996. Malaysia dan Gondwanaland Semasa Perm. *Final Report for Sabatical Leave Project*, 46pp.
- 223) **Mohd Shafeea Leman** 1997. Batuan dan Fauna Berusia Perm di Jalur Barat Semenanjung Malaysia dan Perkaitannya dengan Gondwanaland. *Final Report of the UKM Project S/6/96*, 46pp (+75p Appendix).
- 224) **Mohd Shafeea Leman** & Ibrahim Komoo 2005. Sistem amaran awal bencana alam: Apa patut anda tahu? *Kertaskerja Seminar Islam Hadhari – Kefahaman Mengenai Pemuliharaan Alam Sekitar 22-23 March 2005*, 8pp.
- 225) Ibrahim Komoo, **Mohd Shafeea Leman**, Norhayati Ahmad & Shukor Mohd Nor 2006. Inisiatif pembangunan Langkawi sebagai sebuah geotaman: Memperkukuh ekopelancongan berasaskan sumber alam semulajadi. *Dialog Pembangunan Langkawi 3 April 2006*, 28pp. (proposal presented by Mohd Shafeea Leman).
- 226) **Mohd Shafeea Leman** 2006. Penilaian Sumber Geologi Paleozoik untuk Utilisasi Sumber Bumi Optimum dan Pemuliharaan Sumber Geologi Strategik. *Final Report for IRPA Project 02-02-02-0012-EA186*. 79pp.
- 227) **Mohd Shafeea Leman**, Kamarulzaman Abdul Ghani, Ibrahim Komoo Norhayati Ahmad, Kamal Roslan Mohamed, Che Aziz Ali, Tanot Unjah & Sharina Abdul Halim 2006. Langkawi Geopark. ***Dossier for the Application for the Membership in UNESCO Global Network of National Geoparks***, 83pp.
- 228) **Mohd Shafeea Leman**, Kamal Roslan Mohamed, Che Aziz Ali & Tanot Unjah 2007. *Langkawi Geopark Programme Book – a day to day field guide for UNESCO Expert Group during the Validation Mission of Langkawi Geopark*, 37pp.

## **SEMINAR PARTICIPATION**

### **Organized (international)**

- 1) 01-10-2011 – 04-10-2011, *4th Indonesia-Malaysia Joint Geoheritage Conference*, Kuala Terengganu; **Committee Member; Keynote Speaker.**
- 2) 05-10-2010 – 10-10-2010, *3rd Indonesia-Malaysia Joint Geoheritage Conference*, Jogjakarta, Indonesia; **Committee Co-Chairman; Keynote Speaker.**
- 3) 09-04-2010 – 15-04-2010, *4th International UNESCO Conference On Geoparks: Global Geopark - The Natural Way Forward*, Langkawi; **Committee Chairman; Keynote Speaker; Technical Sub-Committee Chairman.**
- 4) 13-11-2007 – 15-11-2007, *1st Regional Conference on Asia Pacific Geopark and Business Dialogues*, Langkawi; **Committee Chairman.**
- 5) 18-12-2006 – 20-12-2006, *Persidangan Bersama Geosains UKM-ITB*, Langkawi; **Committee Member; Session Chairman.**
- 6) 04-08-2004 – 07-08-2004, *Indonesia-Malaysia Joint Geoheritage Conference*, Jogjakarta, Indonesia; **Committee Co-Chairman.**
- 7) 06-07-2002 – 13-07-2002, *International Conference on Culture and Science of Mountains dan International Dialogue on Earth Heritage Conservation*, Kota Kinabalu & Kundasang, Sabah; **Committee Member; Fieldwork Coordinator.**

### **Organized (national)**

- 8) 29-04-2011 – 1-05-2011, *Simposium Kebangsaan Warisan dan Pemuliharaan: Pemuliharaan Warisan Secara Bersepadu*, Kuching, **Committee Member; Keynote Speaker.**
- 9) 15-06-2010 – 16-06-2010, *Seminar on Gunung Benom Scientific Expedition*, Lanchang, Pahang; **Committee Member; Session Chairman.**
- 10) 26-02-2010 – 28-02-2010, *Simposium Kebangsaan Warisan dan Pemuliharaan: Geopark Sebagai Peraga Pembangunan Lestari Wilayah*, Langkawi, **Committee Member; Keynote Speaker.**
- 11) 14-10-2009 – 19-10-2009, *Persidangan Kebangsaan Warisan Geologi Malaysia Ke 6 dan Ekspedisi Saintifik Taman Negara Endau Rompin*, Johor Bahru dan Taman Negara Endau Rompin, Johor; **Committee Member; Keynote Speaker.**
- 12) 11-11-2007 – 12-11-2007, *Persidangan Kebangsaan Warisan Geologi Malaysia*, Langkawi; **Committee Member.**
- 13) 29-08-2006 – 29-08-2006, *Symposium on Langkawi Geopark*, Langkawi; **Committee Member.**
- 14) 19-12-2005 – 20-12-2005, *Persidangan Warisan Geologi Malaysia: Geowarisan Untuk Pembangunan Sosio-ekonomi Komuniti Setempat*, Langkawi; **Committee Chairman.**



- 15) 20-12-2005 – 22-12-2005, *Simposium Pusat Penyelidikan Langkawi: Penilaian Sumber Asli dan Budaya untuk Pembangunan Pelancongan Selat Kuah Langkawi*, Langkawi; **Committee Chairman**.
- 16) 24-08-2005, *Seminar Evolusi Lembangan Palaeozoik Blok Timur Semenanjung Malaysia*, Bangi; **Committee Member**.
- 17) 02-12-2004 – 03-12-2004, *Simposium Pusat Penyelidikan Langkawi: Warisan Budaya dan Sumber Asli Lembangan Kilim dan Dialog Pelan Penyelidikan 2005-2007*. Putrajaya; **Committee Chairman**
- 18) 04-06-2004 – 06-06-2004, *Annual Geological Conference*, Kangar, **Committee Member**.
- 19) 21-05-2003 – 22-05-2003, *Persidangan Kebangsaan Warisan Geologi Malaysia ke 3*, Kuching, Sarawak; **Committee Chairman**.
- 20) 06-11-2001 – 07-11-2001, *Persidangan Kebangsaan Warisan Geologi Malaysia*, Langkawi; **Committee Member**.
- 21) 01-06-2001 – 04-06-2001, *Persidangan Tahunan Persatuan Geologi Malaysia*, Pangkor, Perak; **Committee Chairman**.
- 22) 07-12-1996 – 08-12-1996, *Seminar Geologi dan Sekitaran*, Bangi, Selangor; **Committee Secretary**.
- 23) 02-03-1996, *Seminar on Marine Sedimentation and Biota in Malaysian Geological Record*, Ipoh, Perak; **Committee Chairman**.
- 24) 14-04-1994, *Seminar on Permo-Triassic of Malaysia and Associated Mineralization*, Bangi, Selangor; **Committee Chairman**.
- 25) 14-12-1993 – 15-12-1993, *National Seminar on Remote Sensing Data Application in Geology of the Tropical Terrain*, Bangi, Selangor; **Committee Secretary**.
- 26) 23-08-1993 – 24-08-1993, *Third International Symposium of UNESCO - IGCP Project 321 (Gondwana Dispersion and Asian Accretion)*, Kuala Lumpur; **Committee Member**.

**Participated as presenter and/or stated otherwise [\*Invited or Keynote Speaker]**

- 27) 15-11-2011 – 17-11-2011, *International Symposium on Environment and Natural Resources*, Bangi; **Plenary paper**.
- 28) 18-07-2011 – 19-07-2011, *Second Asia-Pacific Geoparks Network Symposium*, Hanoi, Vietnam; **Invited paper**.
- 29) 11-06-2010 – 12-06-2010, *National Geoscience Conference 2010*, Shah Alam, Selangor; **Session Chairman**.
- 30) 20-04-2010 – 21-04-2010, *QS Worldclass Event 2010*, Langkawi; **Invited Speaker**.
- 31) 26-05-2009 – 28-05-2009, *First International Symposium on Danxia Landform*, Shaoguan City, China; **Invited Speaker**.

- 32) 16-12-2008 – 17-12-2008, *Symposium Pusat Penyelidikan Langkawi*, Bangi, Selangor.
- 33) 20-09-2008 – 22-09-2008, *Cheongwoon 4th International Conference on Conservation of Natural Environments & Geoheritages "Earth Sciences for Safer, Healthier and Wealthier Life"*, Daejeon, South Korea; **Invited speaker**.
- 34) 17-08-2008 – 20-08-2008, *Inaugural Global Geotourism Conference*, Perth, Australia.
- 35) 22-06-2008 – 26-06-2008, *Third International Conference on Geopark*, Osnabrook, Germany; **Invited Speaker**.
- 36) 29-05-2008 – 29-05-2008, *National Geoscience Conference*, Seremban, Negeri Sembilan.
- 37) 12-06-2007 – 15-06-2007, *2nd International Symposium on the Development within Geoparks: Environmental Protection and Education*, Lushan, China.
- 38) 07-06-2007 – 09-06-2007, *National Geoscience Conference*, Kota Kinabalu, Sabah.
- 39) 15-05-2006 – 18-05-2006, 1st International Symposium on Development within Geoparks: Science and Management; Jiaozhuo, China.
- 40) 18-04-2006 – 18-04-2006, *National Seminar on Protected Areas*, Lanchang, Pahang.
- 41) 22-11-2005 – 24-11-2005, *Conference on Forestry and Forest Product Research*, Kuala Lumpur.
- 42) 12-04-2005 – 14-04-2005, *International Conference on Governing for Sustainability in the Asia Pacific*, Putrajaya.
- 43) 22-03-2005 – 23-03-2005, *Seminar Islam Hadhari "Kefahaman Mengenai Pemuliharaan Alam Sekitar"*, Kuala Lumpur.
- 44) 15-12-2004 – 16-12-2004, *Petroleum Geology Conference*, Kuala Lumpur.
- 45) 20-08-2004 – 28-08-2004, *32<sup>nd</sup> International Geological Congress*, Florence, Italy.
- 46) 04-05-2004 – 05-05-2004, *KUSTEM 3rd Annual Seminar on Sustainability Science and Management*, Kuala Terengganu, Terengganu.
- 47) 17-12-2003 – 18-12-2003, *Petroleum Geology Conference*, Kuala Lumpur.
- 48) 12-10-2003 – 14-10-2003, *IMT-GT International Conference on Ecotourism: Issues and Challenges*, Sintok, Kedah.
- 49) 24-05-2003 – 26-05-2003, *Annual Geological Conference*, Kuching, Sarawak.
- 50) 26-05-2002 – 27-05-2002, *Annual Geological Conference*, Kota Bharu, Kelantan.
- 51) 10-09-2001 – 12-09-2001, *Tenth Regional Congress on Geology, Mineral and Energy Resources of Southeast Asia*, Jogjakarta, Indonesia.
- 52) 20-10-2000 – 22-10-2000, *Seminar Pemantauan IRPA – UKM*, Melaka.
- 53) 08-09-2000 – 09-09-2000, *Annual Geological Conference*, Penang.

- 54) 30-07-1999 – 01-08-1999, *Seminar Pemantauan IRPA – UKM*, Genting Highland.
- 55) 05-06-1999 – 06-06-1999, *National Seminar on Geological Heritage Resources*, Shah Alam, Selangor.
- 56) 29-05-1999 – 30-05-1999, *Annual Geological Conference*, Desaru, Johor.
- 57) 10-04-1999. *Seminar on Dynamic Stratigraphy and Tectonics of Peninsular Malaysia*, Kuala Lumpur.
- 58) 17-08-1998 – 19-08-1998, *Ninth Regional Congress on Geology, Mineral and Energy Resources of Southeast Asia*, Kuala Lumpur.
- 59) 30-11-1997 – 03-12-1997, *Strzelecki International Symposium on Permian of Eastern Tethys: Biostratigraphy, Palaeogeography and Resources*, Melbourne, Australia.
- 60) 31-05-1997 – 01-06-1997, *Annual Geological Conference*, Kijal, Terengganu.
- 61) 26-09-1996, *Seminar on Tourism*, Kelana Jaya, Selangor.
- 62) 01-11-1995 – 09-11-1995, *International Symposium on Geology of Southeast Asia and Adjacent Areas*, Hanoi, Vietnam.
- 63) 27-05-1995 – 28-05-1995, *Annual Geological Conference*, Air Keroh, Melaka.
- 64) 11-06-1994 – 12-06-1994, *Annual Geological Conference*, Kuala Terengganu, Terengganu.
- 65) 12-06-1993 – 13-06-1993, *Annual Geological Conference*, langkawi, Kedah.
- 66) 31-01-1993 – 05-02-1993, *International Symposium on Biostratigraphy of Mainland Southeast Asia: Facies and Paleontology*. - Chiang Mai, Thailand.
- 67) 09-05-1992 – 10-05-1992 *Annual Geological Conference*, Kuantan, Pahang.
- 68) 22-11-1999 – 23-11-1991, *Kolokium FSFG UKM*, Pangkor, Perak.
- 69) 09-05-1991 – 10-05-1991, *Annual Geological Conference*, Kuching, Sarawak.
- 70) 22-10-1990 – 23-10-1990, *Annual Meeting of the Palaeontological Society (Britain)*, Durham, England.
- 71) 22-07-1987 – 23-07-1987, *Kolokium FSFG UKM*, Bangi, Selangor.
- 72) 30-03-1987 – 31-03-1987, *Annual Geological Conference*, Bangi, Selangor.

Invited Paper on *Geoscience Publications in Malaysia* at the (21-23 November 2011, Bandung, Indonesia)

Invited Paper on *Guidelines for Global Network of National Geoparks (GGN) Applicants* at the (10-14 October 2011, Kuala Lumpur)

**SHORT COURSES/WORKSHOPS/DIALOGUES ATTENDED (role played):**

- 1) 21-11-2011 – 23-11-2011, *International Workshop on Editorial Board of Geoscience Journals in East and Southeast Asia*, Bandung, Indonesia; **Invited speaker.**
- 2) 10-10-2011 – 14-10-2011, *JMG-BGI Joint Capacity Building Programme on Geoheritage Assessment and Management*, Kuala Lumpur; **Invited speaker; Facilitator.**
- 3) 05-07-2011, *Langkawi Tourist Guide Association Continual Tourism Related Education Program*, Langkawi; **Invited speaker; Facilitator.**
- 4) 29-05-2011, *Geological Survey of Iran Workshop on UNESCO Geopark Guidelines*, Teheran, Iran; **Invited speaker, Facilitator.**
- 5) 08-06-2009, *Asian Dialogue on Geoheritage Conservation: Issues and Challenges*, Kuala Lumpur; **Committee Chairman; Panelist.**
- 6) 06-11-2008, *Dialog Governans Warisan*, Bangi; **Panelist.**
- 7) 22-10-2008 – 24-10-2008, *Kolokium Siswazah LESTARI 2008*, Port Dickson, Negeri Sembilan; **Committee Chairman.**
- 8) 10-05-2008 – 11-05-2008, *Workshop on Planning Responses for Earthquake and Tsunami Hazard in Malaysia*, Putrajaya; **Committee Member.**
- 9) 15-04-2008 – 15-04-2008, *Dialog Governans dan Pendidikan Pemuliharaan Warisan*, Bangi; **Panelist.**
- 10) 26-03-2008, *Dialog Nilai-nilai Sepunya Masyarakat Malaysia*, Bangi; **Committee Co-Chairman.**
- 11) 22-03-2008 – 23-03-2008, *Bengkel Pembangunan Sumber Warisan Geologi*, Cameroon Highland, Pahang; **Invited Speaker, facilitator.**
- 12) 12-03-2008 – 13-03-2008, *Short Course on Reservoir Analogue within Palaeozoic Sediments of Langkawi Geopark*, Langkawi; **Lecturer, Facilitator.**
- 13) 07-09-2007 – 10-09-2007, *Kursus Pemandu Pelancong Langkawi Geopark*, Langkawi; **Lecturer, Facilitator.**
- 14) 06-03-2007 – 06-03-2007, *Bengkel dan Dialog Warisan Geologi Kebangsaan*, Bangi; **Committee Co-Chairman.**
- 15) 05-02-2007 – 09-02-2007, *RCA-UNDP Regional Training Workshop on the Use of NATs and the Interaction with End-users for Effective Implementation of the Post-tsunami EIA Project*, Kuala Lumpur; **Invited Lecturer.**
- 16) 19-01-2007 – 21-01-2007, *Kursus Pemandu Pelancong Langkawi Geopark - Program Geoforest Park Tour*, Langkawi; **Lecturer, Facilitator.**

- 17) 18-09-2006 – 19-09-2006, "Inauguration of ICSU Regional Office For Asia & The Pacific" dan "Regional Conference on Natural and Human-Induced Environmental Hazards and Disasters", Kuala Lumpur.
- 18) 24-04-2006 – 25-04-2006, *National Workshop on Seismic and Tsunami Hazards and Risks in Malaysia*, Kuala Lumpur, **Invited Speaker**.
- 19) 03-04-2006 – 03-04-2006, *Dialog Pembangunan Langkawi 2006*, Langkawi; **Invited Speaker**.
- 20) 17-01-2006 – 18-01-2006, *Bengkel Perkongsian pengalaman UNESCO bagi melonjakkan kecemerlangan pengajian tinggi di Malaysia*, Putrajaya.
- 21) 11-06-2002 – 12-06-2002, *Kursus Warisan Geologi Langkawi*, Langkawi; **Lecturer**.
- 22) 05-11-2001 – 05-11-2001, *Bengkel Pemetaan Sumber Warisan Geologi Malaysia*, Langkawi; **Committee Member, Lecturer**.
- 23) 06-03-2000 – 09-03-2000, *Bengkel dan Latihan Lapangan Pemetaan Sumber Warisan Geologi*, Ipoh and Langkawi, **Lecturer, Facilitator**.
- 24) 22-09-1999, *IAEG Pre-Symposium International Workshop on New Frontiers in Environmental Geoscience*, Bangi.
- 25) 24-06-1998 – 26-06-1998, *Workshop on Geotourism in Taman Kinabalu*, Kundasang, Sabah; **Invited Speaker, Facilitator**.
- 26) 13-10-1997 – 15-10-1997, *Workshop on Casting and Moulding*, Bangi; **Lecturer, Facilitator**.
- 27) 08-11-1993 – 15-11-1993, *UNESCO-IGCP Project 306 (Stratigraphic Correlation of Southeast Asia) Training Course and Workshop*, Hanoi, Vietnam.
- 28) 21-08-1993 – 22-08-1993, *UNESCO-IGCP Project 321 Pre-Symposium Training Course on Radiolarians - Techniques and Applications*, Kuala Lumpur, **Committee Member**.
- 29) 08-12-1992 – 10-12-1992, *Geosciences Textbook Translation Course*, Bangi.
- 30) 28-04-1985 – 04-05-1985, *Teaching and Learning Workshop*, Genting Highland, Pahang.
- 31) 26-11-1984 – 05-12-1984, *Course on Quaternary Geology of Malaysia*, Bangi.
- 32) 22-04-1984 – 23-04-1984, *Workshop on Writing and Translating Geoscience Textbooks for Higher Institution*, Kuala Lumpur.
- 33) 07-04-1984 – 08-04-1984, *Geosea Course on Current Concepts in Tectonics*, Kuala Lumpur.