MOHAMMAD MUQTADA ALI KHAN

Faculty of Earth Science University Malaysia Kelantan Jeli Campus, Jeli 17600 Mobile: 0060175026094 Email: muqtadakhan@gmail.com muqtada@umk.edu.my

Presently:

Senior Lecturer, Department of Earth Science, Faculty of Earth science, University Malaysia Kelantan, Campus Jeli, Locked Bag No 100, JELI 17600, Kelantan, MALAYSIA

Research specialization:

- Hydrogeology
- Groundwater chemistry
- Water Resource estimation
- Flood Studies

Academic Qualifications:

• Ph.D. Geology (Hydrogeology) 2009, Aligarh Muslim University, India

Thesis Title: Sustainability of Groundwater System in parts of Krishni-Hindon interstream Western Uttar Pradesh: A Quantitative and Qualitative Assessment

• **M.Phil Geology (Hydrogeology)** 2004, Aligarh Muslim University, India **Thesis Title:** Hydrogeology and Groundwater quality characteristics of the Kali-Hindon sub-basin, in parts of western U.P

- M.Sc. (Applied Geology) 2003, Aligarh Muslim University, India
- B.Sc. (Hons.) Geology 2001 from Aligarh Muslim University, India

Research Experience:

• **Post Doctoral Fellow** in University Sain Malaysia (USM), on the project entitled "Development of a Quantitative Risk Assessment Model for Land slide in Malaysia" from October 2009 to April 2011.

• Five years' experience of carrying field work in connection with my M. Phil, Ph.D degrees and project work.

Publications:

YEAR 2014

- [1] Mohammad Muqtada Ali Khan, and others (2014) Impact of the Flood Occurrence in Kota Bharu, Kelantan Using Statistical Analysis, Journal of Applied Sciences, 14 (7), 1944-1951 DOI:10.3923/jas.2014.
- [2] Najeebullah Khan, Md. Azizul Baten and **Mohammad Muqtada Ali Khan** and Shafiqur Rahman (**2014**) Time-varying Stochastic Frontier Model Approach for Measuring Female Parliamentarian Efficiency of Selected Countries in Asia, **Advances in Natural and Applied Sciences**, 8(3) March 2014, Pages: 127-135
- [3] Dony Adriansyah Nazaruddin, Arham Muchtar Ahmad Bahar, **Mohammad Muqtada Ali Khan (2014)** Preliminary Study on Potentials of Pumice as the New Material for Floating Devices and Buoy Products, **GSTF Journal of Geological sciences** (*Accepted*)
- [4] **Mohammad Muqtada Ali Khan**, and others (**2014**) Flood Impact Assessment in Kota Bharu, Malaysia: A Statistical Analysis (*Accepted, World Applied Science Journal*)

YEAR 2013

- Mohammad Muqtada Ali Khan and others (2013) Estimating Turbidity and Total Suspended Solids to measure Sediment load in Kelantan River, Advances in Environmental Biology, 7(14) December 2013, Pages: 4895-4900
- [2] Shafiqur Rahman, **Mohammad Muqtad Ali Khan** and others (2013) Article Published in a book on Parasitic Zoonoses in Asian-Pacific Regions 2012, Japan entitled Comparative Bioefficacy of Three Formulations of Pyrethrod Insecticide Aerosol against lab-bred Culex quinquefasciatus. ISBN: 978-4-86487-094-8-C3047, Published by SANKEISHA Co Ltd, PP 36-39, **First edition 2013**)

YEAR 2012

- [1] **M Muqtada A Khan**, A Baten, Habiba Lateh, and others: "Seasonal Variations in Groundwater Quality: A Statistical Approach", International Journal of Physical Sciences Vol. 7(25), pp. 4026-4035.
- [2] **M Muqtada A Khan**, Rashid Umar and others: "Evaluation of Groundwater Quality Using Linear Regression Model", Journal of Applied Sciences Research 8(1): 251-260.
- [3] Nor Ashikin Shaari, **Mohammad Muqtada Ali Khan** and Arham Muchtar Achmad Bahar: " Impact Analysis of Flood Hazards on Men and Environment in Kota Bharu", *UMT 11th International Annual Symposium on Sustainability Science and Management 09th – 11th July* 2012, Terengganu, Malaysia, pp 881-886.
- [4] Shahril Abd Halim and Mohammad Muqtada Ali Khan: "Generation of Landuse Map and Statistical Analysis of Water Samples", UMT 11th International Annual Symposium on Sustainability Science and Management 09th – 11th July 2012, Terengganu, Malaysia, pp 417-423.
- [5] **Mohammad Muqtada Ali khan**, Rashid umar and Izrar Ahmed: "Sustainability of Shallow Aquifer Beneath an Intensive Agricultural Track- A Case Study from Western Uttar Pradesh, India, 2nd international conference on water resources (icwr2012) in conjunction with 20th unesco-ihp regional teering committee meeting for southeast asia and the pacific, organized by UTM, 5-6 November 2012, Langkawi, paper id 209.

YEAR 2011

 Habibah Lateh, M Muqtada A Khan and Jefriza: "Monitoring of Shallow Landslide in Tun Sardon KM 3.9 Pinang Island, Malaysia", International Journal of Physical Sciences, Vol. 6(12), pp. 2989-2999.

YEAR 2010

- [1] **M Muqtada A Khan,** Rashid Umar, and Habiba Lateh (2010): Assessment of Aquifer Vulnerability in Parts of Indo Gangetic Planes, India, International journal of Physical sciences, Vol. 5(11), pp. 1706–1710.
- [2] **M Muqtada A Khan,** Rashid Umar, and Habiba Lateh (2010): Study of Trace Elements in Groundwater of Western Uttar Pradesh, India, Scientific Research and Essays, Vol. 5(20), pp. 3175-3182.
- [3] M Muqtada A Khan and Rashid Umar (2010): Significance of silica analysis in groundwater in parts of Central Ganga Plain, Uttar Pradesh, India, CURRENT SCIENCE, VOL. 98, NO. 9, pp 1237-1240.

YEAR 2009

[1] Rashid Umar, Izrar Ahmed, Fakhre Alam and **M Muqtada Khan** (2009): Hydrochemical Characteristics and seasonal variation in Groundwater Quality of an alluvial aquifer in parts of central Ganga Plain, Western Uttar Pradesh, India, Environmental Geology, 58:1295–1300.

YEAR 2008

[1] Rashid Umar, **M Muqtada A Khan**, I Ahmed and S Ahmed (2008) Implication of Kali-Hindon inter-stream aquifer water balance for groundwater management in Western Uttar Pradesh, Jour. Earth System Science. 117, No.1: 69-78.

YEAR 2006

[1] Rashid Umar, **M Muqtada A Khan** and A Absar (2006) Groundwater hydrochemistry of a sugarcane cultivation belt in parts of Muzaffarnagar District, Uttar Pradesh, India, Environmental Geology, (49), 7, pp 999-1008.

papers presented in Conferences:

- 1. National Seminar on "Sedimentary Basins of India and their Economic Resources" Indian Association of Sedimentologists, XXIV Convention, March 04- 06 2008, Department of Geology, Aligarh Muslim University, Aligarh, India.
- Quaternary Geological process: Environmental hazard and climate change, February 25 & 26 2009, Centre of Advance Study in Geology, Department of Geology, University of Lucknow, India.
- 3. International conference on water resources (icwr 2012) In Conjunction with 20th UNESCO-IHP Regional Steering Committee Meeting for Southeast Asia and the Pacific, 05-06 November 2012 at Bayview Hotel, Langkawi, Kedah Malaysia.
- 4. National Geoscience Conference (NGC 2013) organize by Geological Society of Malaysia and Universiti Tecknologi Petronas, at Kinta river valley, Ipoh 8-9 June 2013
- 5. Thirteen Regional congress (International Conference) on Geology, Mineral Resources and Energy Resources of Southeast Asia, at Sedona Hotel Yangon, Myanmar, organize by Myanmar Geosciences Society (MGS), 10-11 March 2014,

Published Abstract in conference proceedings as a author and co author in 2013-14

- Impact Assessment of Beris Lalang Landfill on Groundwater Quality, Bachok district, Kelantan, Malaysia, (GEOSEA 2014, Geomyanmar 2014, Thirteen Regional congress (International Conference) on Geology, Mineral Resources and Energy Resources of Southeast Asia, at Sedona Hotel Yangon, Myanmar, organize by Myanmar Geosciences Society (MGS), 10-11 March 2014).
- Geoheritage as the basis for geotourism Development- a case study in Jeli district, Kelantan, Malaysia, (GEOSEA 2014, Geomyanmar 2014, Thirteen Regional congress (International Conference) on Geology, Mineral Resources and Energy Resources of Southeast Asia, at Sedona Hotel Yangon, Myanmar, organize by Myanmar Geosciences Society (MGS), 10-11 March 2014)
- 3. Sedimentology and petrography of the setap shale formation, Labuan island, Malaysia, (GEOSEA 2014, Geomyanmar 2014, Thirteen Regional congress (International Conference)

on Geology, Mineral Resources and Energy Resources of Southeast Asia, at Sedona Hotel Yangon, Myanmar, organize by Myanmar Geosciences Society (MGS), 10-11 March 2014)

- 4. Infiltration rate assessment of some major soil types in kota bharu, Kelantan, Malaysia, (National Geoscience Conference, 8-9 June 2013 at Ipoh, Malaysia).
- 5. Geoheritage of Lata Renyok Cascade: A potential Geotourism Development in Jeli Distrit, Kelantan, (National Geoscience Conference, 8-9 June 2013 at Ipoh, Malaysia).
- 6. Geoheritage and Geotourism Potential of Gunung Reng and its surroundings, Jeli districs, Kelantan, (National Geoscience Conference, 8-9 June 2013 at Ipoh, Malaysia).
- 7. Geotourism potential of Jeli hot spring, Kelantan, (National Geoscience Conference, 8-9 June 2013 at Ipoh, Malaysia).
- 8. Geoheritage conservation of paleontological sites in aring area, Gua Musang district, Kelantan, (8th Malaysia Geoheritage conference & 6th Indonesia Malaysia Geoheritage conference, 5-7 October 2013, Kuantan, Pahang, Malaysia).
- 9. Geoheritage resources and Geotourism potential of gunung Reng and its surrounding, Jeli district, Kelantan, (8th Malaysia Geoheritage conference & 6th Indonesia Malaysia Geoheritage conference, 5-7 October 2013, Kuantan, Pahang, Malaysia).
- 10. Utilizing satellite remote sensing to monitor water quality, (Joint Seminar on Natural Disasters Experiences in Malaysia and Indonesia 2013 between UMK and IAIN Ar- Raniry Aceh, 30-31st May 2013, UMK Jeli).
- 11. A statistical analysis of flood impact assessment in kota bharu, Malaysia, (Joint Seminar on Natural Disasters Experiences in Malaysia and Indonesia 2013 between UMK and IAIN Ar-Raniry Aceh, 30-31st May 2013, UMK Jeli).
- 12. Preliminary study on potential of pumice as the new material for floating devices and buoy products, (Geos 2013, October 28-29 2013, Phuket, Thailand).
- 13. Evaluation of insecticidal activity of three formulation of insecticide Aerosol Sprays Against Lab bred Aedes albopictus, (World congress on pharmaceutical Sciences & Chemical Technology, 16-18 December, 2013, Colombo, Srilanka).

Membership:

- International Association of Hydrogeologist (IAH), Membership No: 132655
- International Association of Hydrological Sciences (IAHS), Membership No:11559.
- · Geological Society of Malaysia. Membership No:33477
- Malaysian Nature Society (MNS), Membership No: O/E/30899/D

Achievement:

• Awarded Senior Research Fellow Ship from Council of Scientific and Industrial Research, Human Resource Development Group, India (CSIR SRF) from 2008- 2009.

• Award Senarai Jurnal Hadiah Sanjungan 2010, Publication (Journal), Category (Universiti Sains Malaysia).

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