




DR. WAN MOHD MUHIYUDDIN BIN WAN IBRAHIM

Geography Section
 School of Humanities

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BIOGRAPHY

Wan Mohd Muhiyuddin bin Wan Ibrahim is a Senior Lecturer in the Geography Section at School of Humanities, Universiti Sains Malaysia. His area of expertise is disaster modeling such as landslides, floods and windstorms using Geographical Information Systems and Remote Sensing. He is involved in teaching courses in statistics, research methods, Remote Sensing, GIS and Physical Geography

AREAS OF EXPERTISE

- PHYSICAL GEOGRAPHY
- GEOHAZARDS MODELLING
- LANDSLIDE MODELLING
- WINDSTORMS MODELLING
- FLOOD MODELLING
- REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM

ACADEMIC QUALIFICATION

- **PHD (USM) (2006), (GEOGRAPHICAL INFORMATION SYSTEM AND REMOTE SENSING)**
 Universiti Sains Malaysia (USM)
- **MSC (UKM) (2001), (ENVIRONMENTAL CONSERVATION)**
 Universiti Kebangsaan Malaysia (UKM)
- **BSc (HONS) (USM) (1997), (GEOLOGY)**
 Universiti Kebangsaan Malaysia (UKM)

ADMINISTRATIVE DUTIES

- School of Humanities Council Members
- Centre for Global Archeological Research Council Members
- Coordinator Geoinformatic Unit 2013-2015

AWARDS AND STEWARDSHIP

- Pertandingan Cabaran Inovasi untuk Masjid (INOMOS) 2019, Masjid Al-Malik Khalid, Pertandingan Cabaran Inovasi untuk Masjid (INOMOS) 2019, 2019 (University) (Pingat Perak)
- Best conference paper in Innovative Trends in Multidisciplinary Academic Research conference, Turkey, Global Illuminator, MALAYSIA , 2014 (International)
- Silver Prize Graduate Research Exposition 2004. Wan Mohd Muhiyuddin bin Wan Ibrahim (2004). Research Project: Pemodelan Ruang Kegagalan Cerun Menggunakan Kaedah Regrasi Logistik dengan Bantuan Sistem Maklumat Geografi (GIS) dan Penderiaan Jauh (RS): Kajian Kes di Sub Lembangan Hulu Sungai Langat

PUBLICATIONS

Article in Journal

- Nuriah Abd Majid, Ruslan Rainis & Muhiyuddin W Ibrahim. (2016). Analisis Taburan Dan Corak Ruang Pelbagai Jenis Kegagalan Cerun Di Pulau Pinang, Malaysia. *International Journal of Environment, Society and Space*, 2016, 4(2), 1-15.
- Nuriah Abd Majid, Ruslan Rainis & Muhiyuddin W Ibrahim (2017) Pemodelan Ruang Pelbagai Jenis Kegagalan Cerun di Pulau Pinang Menggunakan Kaedah Nisbah Kekekapan. *Geografi*, Vol. (5), No. (2): 13-26.
- Nuriah Abd Majid, Ruslan Rainis & Muhiyuddin W Ibrahim (2017). Analisis Taburan dan Corak Ruang Pelbagai Jenis Kegagalan Cerun di Pulau Pinang, Malaysia. *International Journal of Enviroment, Society and Space* 5 (1), 1-15
- Nuriah Abd Majid, Ruslan Rainis & Muhiyuddin W Ibrahim (2018). Spatial modeling various types of slope failure using artificial neural network (Ann) in Pulau Pinang, Malaysia. *Jurnal Teknologi (Sciences & Engineering)*, 80:4 (2018) 135–146:, 135-146.
- Dauda Taofik Oyedele, Shahrul Anuar Mohd Sah, Mohd Syafiq Masduqi Mohd Zainudin, Wan Mohd Muhiyuddin Wan Ibrahim & Nurul Salmi Abdul Latip (2019). Statistical analysis of topographic characteristics and nest-site preference of the White-Bellied Sea-Eagle (*Haliaeetus leucogaster*) in Penang National Park, Malaysia. *Songklanakarin J. Sci. Technol.* 41 (4), 899-906.
- Nurul Syakira Binti Samsuri, Zulkafli Z., Zhang F., Tangang F., Ramli M.H.P., Tan Mou Leong, Chang Chun Kiat, Wan Mohd Muhiyuddin Bin Wan Ibrahim, , 2023, Assessment of Three GPM IMERG Products for GIS-Based Tropical Flood Hazard Mapping Using Analytical Hierarchy Process, in (*WATER (SWITZERLAND)*), 15,, (Impact Factor: -, DOI:10.3390/w15122195).
- K. Y. Kok, P. Rajendran, R. Rainis and W. M. Muhiyuddin Wan Ibrahim. 2015. Investigation on Selection Schemes And Population Sizes for Genetic Algorithm In Unmanned Aerial Vehicle Path Planning. 2015. *International Symposium on Technology Management and Emerging Technologies (ISTMET)*, Langkawi, Malaysia, 2015, pp. 6-10, doi: 10.1109/ISTMET.2015.7358990.
- Y. Rauste, H. B. Lateh, Jefriza, M. W. I. Wan Mohd, A. Lonnqvist and T. Hame, 2012. TerraSAR-X Data in Cut Slope Soil Stability Monitoring in Malaysia," in *IEEE Transactions on Geoscience and Remote Sensing*, vol. 50(9) 3354-3363. doi: 10.1109/TGRS.2011.2181182.
- Wan Mohd Muhiyuddin Wan Ibrahim & Ruslan Rainis. (2004). Modelling Landslide Using GIS and RS: A Case Study of Upper Stream of Langat River Basin, Malaysia. *Malaysian Journal of Environmental Management* 5 (2004): 113 – 122.

- Wan Mohd Muhiyuddin bin Wan Ibrahim, Darrel Samuel Anak Alex and Wan Abdul Manan Wan Muda (2004). Walkability Spatial Mapping Using Analytical Hierarchy Process (AHP) in Northeast Penang. Proceeding ITMAR-2014, Vol. 1, 641-646.

Chapter in Books

- Wan Mohd Muhiyuddin Wan Ibrahim & Ruslan Rainis. (2004). Distinguishing Areas Susceptible to Landslide using GIS and Discriminant Analysis: A Case Study of Langat River Sub-Basin Dalam Noorazuan Md Hashim & Ruslan Rainis. Urban Ecosystems Study in Malaysia. A Study of Change. (199-213). USA: Universal Publishers.
- brahim Komoo, Joy Jacqueline Pereira, W. Mohd Muhiyuddin. (2002). Diagnosing Ecosystem Health of the Langat Basin in the Context of Geohazards in By David Rapport, Bill L. Lasley, Dennis E. Rolston, N. Ole Nielsen, Calvin O. Qualset, Ardeshir B. Damania. Managing for Healthy Ecosystems.USA: CRC Press.

RESEARCH PROJECT

International

- Narimah Binti Samat, Md Azlin bin Md. Said, Tan Mou Leong, Mastura Binti Azmi, Izham bin Mohamad Yusoff, Chang Chun Kiat, Mohamad Saifudin bin Mohamad Saleh, Ismail Bin Ahmad Abir, Wan Mohd Muhiyuddin bin Wan Ibrahim, Abdul Hakim bin Salleh, Mohd Amirul bin Mahamud, Mohd Azmeer bin Abu Bakar, Geomatics for Disaster Risk Reduction (GeoDRR), External Agency (International). 15/11/2021 - 14/11/2023, (Active)
- Wan Mohd Muhiyuddin Bin Wan Ibrahim (Resercher), Science and Technology Research Partnership for Sustainable Development (SASTREPS) Development for Reducing Geo-hazard Damage in Malaysia Caused by Landslide and Flood, Japanese International Cooperation Agency (JICA) and Japanese Science and Technology Agency (JST). 01/01/2012- 31/12/2015.

National

- Wan Mohd Muhiyuddin Bin Wan Ibrahim, Azimah Binti Abd Rahman, Tan Mou Leong, Kajian Variasi Ruangan dan Pemodelan Kejadian Ribut di Wilayah Utara Semenanjung Malaysia, Fundamental Research Grant Scheme (FRGS), RM77,500. 07/09/2021 - 06/03/2024, (Active).
- Stephen Chia Ming Soon, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Suresh A/L Narayanan, Modelling the Impact of Human Activities on the Archaeology Heritage of Lenggong Valley UNESCO World Heritage Site, Perak, Malaysia, Fundamental Research Grant Scheme (FRGS), RM 83,000.00, 01/09/2022 - 31/08/2024, (Active)
- Azizan Bin Marzuki, Badaruddin Bin Mohamed, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Profesor Madya Tarmiji Masron, Dr. Zikri Muhammad, Models of Urban Growth Tourism and Vitalization, Transdisciplinary Research Grant Scheme (TRGS), RM 230,000.00, 01/12/2016 - 30/11/2019
- Narimah Binti Samat, Suriati Binti Ghazali, Morshidi Bin Sirat, Zullyadini Bin A Rahaman, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Prof. Norzailawati Hj. Mohd Noor, Dr. Jose Edgardo L. Aban, Modelling Urban Growth Boundary and Its Impact on the Community and Environment, Fundamental Research Grant Scheme (FRGS), RM 140,000.00, 12/01/2015 - 11/01/2018, (Waiting Approval By Sponsor)
- Ruslan Bin Rainis, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Parvathy A/P Rajendran, Computerized Flight Planning System And Processing, Other Ministries, RM 984,000.00, 01/01/2015 - 31/12/2016, (Completed)

- Mohd Nawawi Bin Mohd Nordin, Khiruddin Bin Abdullah, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Mr. Norbrt Simon, Mr Noor Bakri Endut, Dr. Muhammad Firuz Ramli, Nur Irfah Mohd Pauzi, Dr. Noraini Surip, Mr. Jasmi Ab Talib, Assoc Prof. Dr. Ismail Yusof, Integration of RazakSAT, Landsat, SPOT5 ASTER and MODIS for Geological and Geomorphological Applications, External Agency (Government Agencies), RM 30,000.00, 01/08/2009 - 31/07/2010, (Completed (With Report))

University

- Narimah Binti Samat, Jamalludin Bin Sulaiman, Morshidi Bin Sirat, Chan Ngai Weng, Ruslan Bin Rainis, Wan Ruslan Bin Ismail, Abdul Fatah Bin Che Hamat, Anisah Lee Binti Abdullah, Norizan Bin Md Nor, Suriati Binti Ghazali, Aishah Binti Knight Abd Shatar, Asyirah Binti Abdul Rahim, Azlinda Binti Azman, Khoo Suet Leng, Nooriah Binti Yusof, Saidatulakmal Binti Mohd, Sharifah Rohayah Binti Sheikh Dawood, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Zakaria Bin Bahari, Zikri Bin Muhammad, Zullyadini Bin A Rahaman, Aziz Bin Abdul Majid, Shuki Bin Osman, Dr. Abdelhak Senadjki, Jabil Bin Mapjabil, Spatial Inequalities: Framing Phenomena, Formulating Policies, Research University (RUT), RM 500,000.00, 15/07/2013 - 14/07/2017, (Completed)
- Wan Abdul Manan Bin Wan Muda, Yen Siew Hwa, Zulkifli Bin Ahmad, Rohana Binti Abd. Jalil, Soo Kah Leng, Anisah Lee Binti Abdullah, Jim Sallis, Chang Ching Thon, Cheah Whye Lian, Narimah Binti Samat, Wan Mohd Muhiyuddin Bin Wan Ibrahim, V.
M. K. Bhavaraju, Tengku Alina Binti Tengku Ismail, Helmy Hazmi, Noor Aman Bin A. Hamid, Aishah Binti Knight Abd Shatar, Syed Hatim Noor, Wan Suriati Binti Wan Nik, Physical Activity and Sustainable Health Nutritional Status, Community Wellbeing and Environmental Enhancement, Research University (RUT), RM 877,009.00, 01/12/2011 - 30/11/2014, (Completed)
- Shahrul Anuar Bin Mohd Sah, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Asyraf Bin Mansor, Predicting the Habitat Suitability and Roosting Selection of Urban Pests Species using Geographic Information System (GIS):Towards the Integrated Control & Management of Invasive Common Myna (*Acridotheres tristis*) & Crested Myna (*Acridotheres cristatellus*), Research University (Individual), RM 143,838.00, 15/08/2011 - 14/08/2013, (Administrative Closure)
- Narimah Binti Samat, Aishah Binti Knight Abd Shatar, Saidatulakmal Binti Mohd, Siti Nabihah Binti Abdul Khalid, Suriati Binti Ghazali, Yen Siew Hwa, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Norsa'adah Bachok, Breast, Cervical and Colorectal Cancers: A Geographical Analysis Of Case Distribution And Their Relationship With Service Facilities, RESEARCH UNIVERSITY (INDIVIDUAL), RM 183,461.02, 01/08/2010 - 31/07/2013, (Completed (With Report))
- Habibah Binti Lateh, Fauziah Binti Ahmad, Ismail Bin Abustan, Mohd Nawawi Bin Mohd Nordin, Ahmad Shukri Bin Yahaya, Adam Bin Baharum, Tang Enya Kong, Tan Ewe Hoe, Bahari Bin Belaton, Koay Swee Peng, Ruslan Bin Rainis, Adnan Bin Hussein, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Khairiah @ Salwa Binti Mokhtar, Toshikazu Moroshi, Teruki Fukuzono, Sharifah Norhaidah Binti S Idros, Koh Hock Lye, Jamilah Binti Ahmad, Norizan Binti Esa, Rahimi Binti Che Aman, Rosli Bin Sa'ad, K. Ramanathan A/L Kalimuthu, Landslide Risk Assessment Model, Mitigation And Information Management - ICT Management In Landslide Hazard - Landslide Management, Information Dissemination And Policy, Research University (Individual), RM 999,999.00, 01/11/2007 - 30/09/2010, (Completed (With Report))

- Abu Talib Bin Ahmad, Chan Ngai Weng, Sohaimi Bin Abdul Aziz, Ooi Keat Gin, Jelani Bin Harun, Hajar Binti Abdul Rahim, Ruslan Bin Rainis, Muhammad Azizan Bin Sabjan, Noor Shakirah Binti Mat Akhir, Norizan Bin Md Nor, Salasiah Binti Che Lah, Siti Hajar Binti Che Man, Suriati Binti Ghazali, Wan Ruslan Bin Ismail, Alias Bin Abd Ghani, Anisah Lee Binti Abdullah, Asyirah Binti Abdul Rahim, Nik Haslinda Binti Nik Hussain, Radiah Binti Yusoff, Ratna Roshida Binti Ab Razak, Suzana Binti Muhammad, Tarmiji Bin Masron, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Zullyadini Bin A Rahaman, Jamilah Binti Ikhsan, Warisan Alam dan Budaya Dengan memfokus Kepada Kawasan Utara Semenanjung (Pulau Pinang, Perlis Kedah dan Utara Perak), Research University (Individual), RM 985,600.00, 31/10/2007 - 30/09/2010, (Completed (With Report))
- Morshidi Bin Sirat, Abd Razak Bin Ahmad, Norizan Bin Md Nor, Hassan Naziri Bin Khalid, Mariney Mohd Yusoff, Asyirah Binti Abdul Rahim, Wan Mohd Muhiyuddin Bin Wan Ibrahim, Towards Ideopolis Kuala Lumpur: Capitalising On Higher Education for the Development Of Globalising City-Region, Research University (Individual), RM 317,310.00, 31/10/2007 - 30/09/2010, (Completed (With Report))
- (2021-2025) University Committee,Ahli Jawatankuasa Panel Perancangan 5 Tahun Sustainability Implementation Plan. 2021-2025, 24/06/2021-31/12/2021 (University).

CONSULTANCY PROJECT

- (2012) Consultant for Proposing Potential Gold Mining Project in Sudan, Significant Technologies Sdn. Bhd. (International)
- (2010) Application of Razaksat Data for Risk and Landslide Mapping, MACRES

PAPER PRESENTED

Invited Speaker

- 2012, Invited Speaker, Aplikasi Sistem Maklumat Geografi (GIS)dalam Kajian Tanah Runtuh di Malaysia, Universiti Pendidikan Sultan Idris, Ceramah Wacana Ilmu Jabatan Geografi dan Alam Sekitar (National)

Presenter

- 2017, Invited Speaker, Analisis Kegagalan Cerun Menggunakan Aplikasi GIS & RS, USM, UPSI, Penceramah Program Kajian Lapangan Sistem Maklumat Geografi (Universiti).
- 2017, Invited Speaker, Disaster Risk Management, USM and Ruhana University, Sri Lanka. (International)

ACADEMIC/PROF. SERVICES

Evaluation

- Editorial Boards Mambers, Journal of Asian Geography, 01/07/2022 - 30/11/2022 (International)
- (2019) Linkage between the Forest Fires and the Meteorological Parameters over Uttar Pradesh, India using Spatial Clustering, Regression, and Combination Matrix Analysis, 2019, Journal of Geovisualization and Spatial Analysis
- (2022) Analysis of observed temperature changes in the Northern region of Sri Lanka based on climate change perspective, 2022, Journal of Asian Geography
- (2022) Data Consolidation for Costal Management: The development of Guyana Coastal Database platform, 2022, Journal of Geovisualisation and Spatial Analysis

- (2012) Faez M. Hassan, 2011, Ph.D Thesis , USM, Landuse and Features Extraction Using Digital Camera Images Capture from UAV Cropcam. (Internal Exeminar).
- 2014) Mohammadali Shorbi, 2014, Ph.D Thesis , Universiti Sains Malaysia, Development of a geospatial data infrastructure for the facilitation of rapid response in natural disaster management and passive defense. (Internal Exeminar).
- (2021) Norliza binti Abd Rahman, 2021, Ph.D Thesis , USM, Penentuan Pelaburan Langsung Asing dan Pengaruh Terhadap Taburan Ruangan di Semenanjung. (Internal Exeminar).
- (2021) Abdulkadir Muhammad, 2021, Ph.D Thesis , USM, Geographical Analysis of Meternal Mortality in Jigawa State, Nigeria. (Internal Exeminar).
- (2022) Nur Fazreen binti Hamzah, 2022, Ph.D Thesis , USM, Analisis Tahap Penumpuan Ruangan dan Perubahan Pertumbuhan Umur Penduduk di Semenanjung Malaysia (2022). (Internal Exeminar).
- (2011) Nor Hidayah Binti Harun, 2011, Master Thesis , USM, Aplikasi Sistem Maklumat Geografi dan Penilaian Pelbagai Kriteria dalam Menentukan Kawasan Sensitif Alam Sekitar Sebagai Daya Tampung Pembangunan Pelancongan: Kajian Kes Pulau Langkawi. (Internal Exeminar)
- (2022) Jannatul 'Agilah binti said, 2022, Master Thesis , USM, Penggunaan Perkhidmatan Penghantaran Makanan (PPM) Secara Dalam Talian Di Pulau Pinang. (Internal Exeminar)
- (2022) Zibeon bin Luhaim, 2022, Master Thesis , USM, Spatio-Temporal Analysis of Hydro Metrological Drought in the Kuala Muda Basin, Malaysia. (Internal Exeminar)
- (2009) Chander Segar Pillay, 2009, Master Thesis - Mixed Mode , USM, Pola Reruang Imbangan Air dan Endapan Berasaskan Sistem Maklumat Geografi di Kawasan Tadahan Timah Tasoh, Perlis. (Internal Exeminar)
- (2009) MahMoud Bashir Abdallah Alhasanat, 2009, Master Thesis - Mixed Mode , USM, The Spatial Analysis of An Historical Phenomenon Using GIS to Demonstrate The Strategic Placement of The Umayyad Desert Place. (Internal Exeminar)
- (2011) Yaniza Saira Binti Zakaria, 2011, Master Thesis - Mixed Mode , USM, Kesan Pengaruh Saiz Pisel DEM Terhadap Faktor LS Dalam Permodelan Universal Soil Loss Equation Untuk Ramalan Hakisan. (Internal Exeminar)
- (2014) Nurul Afiqah binti Miswan, 2014, Master Thesis - Mixed Mode , Universiti Sains Malaysia, Analisis Ruangan Kemiskinan Di Kelantan Tahun 2013. (Internal Exeminar)
- (2015) Wan Mohammad Taufik bin Wan Hussin, 2015, Master Thesis - Mixed Mode , USM, Analisis Ruangan Terhadap Kemalangan Jalanraya di Pulau Pinang. (Internal Exeminar)
- (2016) Mohd Faizal bin Zaini, 2016, Master Thesis - Mixed Mode , USM, Analisis Ruangan Insiden Kemiskinan di Mukim Arau, Perlis. (Internal Exeminar)
- (2016) Mohd Shahrul Syukri bin Yahya, 2016, Master Thesis - Mixed Mode , USM, Penilaian Kebolehpayaan Pejalan Kaki di Tapak Warisan George Town Pulau Pinang. (Internal Exeminar)
- (2016) Nurul Hazwani binti Siha, 2016, Master Thesis - Mixed Mode , USM, Keterancaman, Adaptasi dan Daya Tahan Komuniti Bandar Terhadap Banjir di Kota Bharu, Kelantan. (Internal Exeminar)
- (2018) Mohd Syafiq bin Ahmad Dasuki, 2018, Master Thesis - Mixed Mode , Bahagian Geografi, PPIK, Pengaruh Penambakan Pinggir Pantai Terhadap Status Biologi Perairan Utara Selat Melaka. (Internal Exeminar)
- (2019) Muhammad Hafiz bin Tajidin, 2019, Master Thesis - Mixed Mode , Pusat pengajian Ilmu Kemanusiaan , Aplikasi Sistem Maklumat Geografi (GIS) Dalam Usaha Penambahbaikan Sistem Pengangkutan Pelancongan di Georgetown Pulau Pinang. (Internal Exeminar).

Contribution to external organisation

- (2018) Project Leader/Coordinator, Bengkel Kerja Penyemakan Pembetulan Pruf Muka Surat Bagi Program Penerbitan Buku Teks. (National)
- (2022) Jury Grab Geospatial Research Program 2022, 2022 (National)
- (2009) OECD/IMHE Review of High education Institutions in Regional Development. Presenting The Penang Region/City Region. (Nasional)

SUPERVISION

PhD

- (2023) Nur Afiqah Binti Ariffin, 2023, Doctor of Philosophy, Research - Full Time, Spatio-Temporal Modelling of Tuberculosis in Pulau Pinang, (Main Supervisor). [Graduated]
- (2017) Nuriah Binti Abd Majid, 2017, Doctor of Philosophy, Research - Full Time, Development of Spatial Model for Slope Failure in Pulau Pinang, Malaysia. (Main Supervisor) [Graduated]
- (2016) Nur Juliani Binti Shafie, 2016, Doctor of Philosophy, Research - Full Time, Ecological Aspects of Fruit Bats (Megachiroptera) in Penang Island, Malaysia. (Co-supervisor) [Graduated]
- (2023) He Xingru, 2023, Doctor of Philosophy, Research - Full Time, Will be determined later, Main Supervisor [AKTIF]
- (2023) Murad Barakat Jaber Bani Mustafa, 2023, Doctor of Philosophy, Research - Full Time, Will be determined later, Main Supervisor [AKTIF]
- (2020) Fayza Abdalkreem A Alshamaen, 2020, Doctor of Philosophy, Research - Full Time, Will be determined later, Main Supervisor [AKTIF]

Master

- (2012) Nuriah Binti Abd Majid, 2012, Master, Research - Full Time, An Application of Geographical Information System (GIS) for Susceptibility Zone Mapping Slope Failure by Using Artificial Neural Network (ANN) in Penang, Malaysia, Main Supervisor. [Graduated].
- (2020) Masitah Binti Zaini, 2020, Master, Research - Full Time, Analysis of Hydrology in Gelugor River's Catchment, Penang, Co-supervisor. [Graduated]
- (2020) Nor Adillah Binti Ayob, 2020, Master, Research - Full Time, Change of Beach Profile and Sediment on Teluk Bahang and Batu Ferringhi, Penang, Co-supervisor. [Graduated]
- (2013) Nurul Liyana Binti Khairuddin, 2013, Master, Research - Full Time, Population Ecology And the Habitat Suitability Of Norway Rat (*Rattus Norvegicus*) In Selected Urban Areas Of Penang, Malaysia, Co-supervisor. [Graduated]
- (2012) Nur Munira Binti Azman, 2012, Master, Research - Full Time, Bird Communities and Feeding Guilds from Three Land Use Types in Kerian River Basin, Perak, Co-supervisor. [Graduated]
- (2012) Nur Juliani Binti Shafie, 2012, Master, Research - Full Time, Population Distribution of Small Mammals Along Kerian River Basin with Emphasis on Three Different Habitat Types, Co-supervisor. [Graduated]

TEACHING

Master

- HGT514/3, Research Methods
- HGP590/20, Dissertation
- HGT512/4, Digital Remote Sensing
- HGT523/4, Geographic Information Science. In Resource & Disaster Management
- HGT511/4, Geographic Information Systems
- HGT521/4, Locational and Spatial Analysis
- HGT513/4, Research Method and Geographic Data Management

Bachelor

- HGT342/4, Research Methodology and Field Work
- HGP309/6, Geography Project
- HGT101/3, Techniques in Geography
- HGF101/3, Physical Geography
- HGF331/3, Geomorphology
- HGF201/3, Geomorphology
- HGT219/3, Quantitative Methodology and Spatial Analysis
- HGT331/3, GIS in Sustainable Development
- HGA101/4, Introduction to Geography
- HGT321/3, Geographic Information Technology
- HPA103/3, Basic Statistics
- HGT221/3, Geographic Information Technology
- HGF122/3, Physical Geography

SOCIAL RESPONSIBILITY ACTIVITIES

- (2011- Sekarang). AJK Masjid Tebuk Haji Musa, Titi Serong, Parit Buntar, Perak. Komuniti.
- (2020) Timbalan Pengarah Program Kempen Pengumpulan Buangan Elektrik Dan Elektronik (E-Waste) Anjuran Sahabat Alam Lestari Parit Buntar, Komuniti.
- (2021 – Sekarang). Ajk NGO Persatuan Sahabat Alam Lestari Parit Buntar, Komuniti.
- (2008) Ahli Majlis Daerah Parit Buntar, Perak. Komuniti.
- (2019 - Sekarang) YDP PIBG Sekolah Rendah Islam Al-Hasanah, Parit Buntar. Komuniti.
- (2015 - Sekarang) Ahli Lembaga Pengarah Koperasi Masjid Kariah Tebuk Haji Musa. Komuniti.
- (2018 – Sekarang) Ahli Lembaga Pengurusan Sekolah Rendah Islam Al-Hasanah, Parit Buntar, Komuniti.
- (2019) Naib Yang Dipertua PIBG Sekolah Menengah Panglima Bukit Gantang. Komuniti.
- (2019) Project Member, Menyantuni Gelandangan di Georgetown Pulau Pinang, Komuniti.