




DR. AZIMAH BINTI ABD RAHMAN

Geography Section
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BIOGRAPHY

Dr. Azimah Abd Rahman is currently a Senior Lecturer in the School of Humanities at University Science Malaysia (USM) in Pulau Pinang, Malaysia. Dr. Azimah received her undergraduate degrees from University Technology Malaysia (UTM) in Geoinformatics Sciences, and her PhD in Animal Behaviour and Geographic Information System (GIS) from University Science Malaysia (USM) Pulau Pinang, Malaysia. Dr. Azimah published a number of papers in preferred Journals and chapters in books, and participated in conferences that related with Geographic Information System (GIS), Animal Behaviour and conservation program especially in mangrove area. Her research activities are currently more concern on fireflies' distribution in mangrove area for conservation purpose in that area using GIS application. She already publishes many publications especially review article that concern about used of GIS application for conservation purpose.

AREAS OF EXPERTISE

- **Geographic Information System (GIS)**
- **Animal Behavior**
- **Biogeography**
- **Mangrove**
- **Migratory birds**
- **Fireflies**

ACADEMIC QUALIFICATION

- **PHD (USM) (2016), (GIS & Animal Behavior)**
Universiti Sains Malaysia (USM)
- **BA (HONS) (UTM) (2008), (Geoinformation Science)**
Universiti Teknologi Malaysia (UTM)

MEMBERSHIPS

- Editorial Board Member, JOURNAL OF ASIAN GEOGRAPHY
- Editor In – Chief, Open Journal of Agricultural Research
- Members , Malaysian Nature Society
- Members , Malaysian Primatological Society
- Members , WWFMALAYSIA
- Members , Sahabat Hutan Bakau

AWARDS AND STEWARDSHIP

- Best Video Design Award, International Conference On Social Science And Technology For Postgraduates And Researchers (ICSSTPR2021), Malaysia, 2021.
- Indexed Journal Publication Award, PPIK Excellence Award, PPIK Conference Hall, 2021.
- Outstanding Service Award, 2021.
- Indexed Journal Publication Award, PPIK Excellence Award, 2022.
- Indexed Journal Publication Award, PPIK Excellence Award, 2022.
- Research Innovation Award, PPIK Excellence Award, 2023
- International Grant Award, PPIK Excellence Award, 2023

PUBLICATIONS

Article in Journal

Sole Author

1. Azimah Binti Abd Rahman, , 2020, Pengaruh Sumber Makanan Terhadap Taburan Habitat Populasi Burung Hijrah di Malaysia, in (GEOGRAFI), 8,25-42.
2. Azimah Binti Abd Rahman, , 2016, Aplikasi Penderiaan Jauh atau Remote Sensing dalam Pemodelan Pengaruh Iklim terhadap Taburan Burung Hijrah Di Hutan Paya Laut Matang, Perak, in (SAINS HUMANIKA), 8,27-37, (Impact Factor: -, DOI:10.11113/sh.v8n3.811)
3. Azimah Binti Abd Rahman, , 2015, Kepentingan Sistem Maklumat Geografi (GIS) dan Penderiaan Jauh dalam Pemeliharaan Habitat Populasi Burung Hijrah di Hutan Paya Laut Matang, Perak, in (SAINS MALAYSIANA), 44,1229-1239.
4. Azimah Binti Abd Rahman, , 2015, The importance of geographic information system (GIS) and remote sensing in protecting migratory bird habitat population at Matang mangrove forest, Perak, in (SAINS MALAYSIANA), 44,1229-1239, (Impact Factor: 0.45, DOI:10.17576/jsm-2015-4409-03)
5. Azimah Binti Abd Rahman, , 2014, KESAN PERUBAHAN PERSEKITARAN TERHADAP TABURAN BURUNG HIJRAH: SATU KAJIAN KES HUTAN SIMPAN MATANG, PERAK, in (SAINS HUMANIKA), 3,13-21, (Impact Factor: -, DOI:10.11113/sh.v3n1.523)

Main Author

1. Nurhafizul Bin Abu Seri, Azimah Binti Abd Rahman, Nur Faeza Binti Abu Kassim, Noor Fazeera Binti Ahmad Fuzi, , 2023, The Occurrence of *Pteroptyx tener* Olivier Firefly (Coleoptera: Lampyridae) in Malaysia, in (PERTANIKA JOURNAL OF TROPICAL AGRICULTURAL SCIENCE), 46,, (Impact Factor: 0.6, DOI:10.47836/PJTAS.46.1.02)
2. Muhammad Fakruhayat Bin Ab Rashid, Siti Masayu Rosliah Binti Abdul Rashid, Azimah Binti Abd Rahman, , 2022, RESEARCH RELATED TO FIREFLIES (COLEOPTERA: LAMPYRIDAE) AROUND THE WORLD OVER THE YEAR 2000 – 2021: AN OVERVIEW AND GUIDELINES, in (E-BANGI: JOURNAL OF SOCIAL SCIENCES AND HUMANITIES), 19,123-150, (Impact Factor: -, DOI:10.17576/ebangi.2022.1903.07)
3. Aina Hanani Binti Rosidi, Azimah Binti Abd Rahman, , 2022, PENDEKATAN SPATIAL BAGI ANALISIS LOKALITI TABURAN KES DEMAM DENGGI SEKITAR KAWASAN KULIM, KEDAH (Spatial Approach in Locality Analysis for Distribution of Dengue Cases in Kulim Kedah Area), in (E-BANGI: JOURNAL OF SOCIAL SCIENCES AND HUMANITIES), 19,160-176, (Impact Factor: -, DOI:-)
4. Azimah Binti Abd Rahman, Nornadhirah Abdul Khalib, , 2022, PENGLIBATAN KOMUNITI TEMPATAN DALAM AKTIVITI TERNAKAN IKAN DALAM SANGKAR SEKITAR KAWASAN TEMERLOH, PAHANG (Local Communities Involvement in Cage Fish Farming Activities around Temerloh, Pahang), in (E-BANGI: JOURNAL OF SOCIAL SCIENCES AND HUMANITIES), 19,160-184, (Impact Factor: -, DOI:-)
5. Nurhafizul Bin Abu Seri, Azimah Binti Abd Rahman, , 2022, The Compilation Records of Fireflies (Coleoptera: Lampyridae) Diversity and Distribution and Display Trees Throughout Malaysia, in (PERTANIKA JOURNAL OF SCIENCE & TECHNOLOGY), 30,1963-1987, (Impact Factor: -, DOI:10.47836/pjst.30.3.11)
6. Noor Fazeera Binti Ahmad Fuzi, Faradina Binti Marzukhi, Azimah Binti Abd Rahman, , 2022, Mangroves are Home to Fireflies (*Pteroptyx tener* sp.) in Malaysia: A Review, in (INTERNATIONAL JOURNAL OF ACADEMIC RESEARCH IN BUSINESS AND SOCIAL SCIENCES), 12,1592-1605, (Impact Factor: -, DOI:10.6007/IJARBSS/v12-i7/14284)
7. Nurhafizul Bin Abu Seri, Azimah Binti Abd Rahman, Nur Faeza Binti Abu Kassim, , 2022, Some Abiotic and Biotic Factors Influencing Firefly Population Abundance in Southeast Asia: A Review, in (PERTANIKA JOURNAL OF SCIENCE AND TECHNOLOGY), 31,327 - 349, (Impact Factor: -, DOI:10.47836/pjst.31.1.20)
8. Noor Fazeera Binti Ahmad Fuzi, Faradina Binti Marzukhi, Azimah Binti Abd Rahman, , 2021, Distribution of the Congregating Fireflies in Malaysia: A Review, in (INTERNATIONAL JOURNAL OF ACADEMIC RESEARCH IN BUSINESS AND SOCIAL SCIENCES), 11,778-795, (Impact Factor: -, DOI:10.6007/IJARBSS/v11-i9/11067)
9. Nurhafizul Bin Abu Seri, Azimah Binti Abd Rahman, , 2021, Fireflies in South East Asia: Species Diversity, Distribution, and Habitat (2015-2021), in (PERTANIKA JOURNAL OF TROPICAL AGRICULTURAL SCIENCE), 44,713-743, (Impact Factor: -, DOI:10.47836/pjtas.44.4.02)
10. Muhammad Fakruhayat Bin Ab Rashid, Siti Masayu Rosliah Binti Abdul Rashid, Azimah Binti Abd Rahman, , 2021, Analyzing the factors and effects of water supply disruption in Penang Island, Malaysia, in (GEOGRAFIA – MALAYSIAN JOURNAL OF SOCIETY AND SPACE), 17,62-75, (Impact Factor: -, DOI:10.17576/geo-2021-1703-05)
11. Siti Masayu Rosliah Binti Abdul Rashid, Azimah Binti Abd Rahman, Ainur Nelisa Kamaruzaman, , 2021, IMPAK EKOPELANCONGAN TERHADAP PERSEKITARAN, PEMBANGUNAN EKONOMI, SOSIAL DAN BUDAYA KOMUNITI SETEMPAT DI PANTAI TANJUNG KEMBANG KABONG, SARAWAK, in (E-BANGI: JOURNAL OF SOCIAL SCIENCES AND HUMANITIES), 18,93-109, (Impact Factor: -, DOI:-)

12. Nurazielah Binti Thanin, Azimah Binti Abd Rahman, Siti Masayu Rosliah Binti Abdul Rashid, , 2021, FAKTOR PENGGALAK AMALAN PERTANIAN BANDAR DALAM KALANGAN MASYARAKAT PULAU PINANG, in (E-BANGI: JOURNAL OF SOCIAL SCIENCES AND HUMANITIES), 18,99-115, (Impact Factor: -, DOI:-)
13. Seri N.A., Azimah Binti Abd Rahman, , 2021, Fireflies in South East Asia: Species diversity, distribution, and habitat (2015-2021), in (PERTANIKA JOURNAL OF TROPICAL AGRICULTURAL SCIENCE), 44,713-743, (Impact Factor: -, DOI:10.47836/PJTAS.44.4.02)
14. Seri N.A., Azimah Binti Abd Rahman, , 2021, Impact of climate change on migratory birds in asia, in (PERTANIKA JOURNAL OF SCIENCE AND TECHNOLOGY), 29,2937-2965, (Impact Factor: -, DOI:10.47836/PJST.29.4.38)
15. Tuan Ainul Asyikin Tuan Azlan, Azimah Binti Abd Rahman, , 2020, Kesan Perubahan Persekitaran Terhadap Habitat Spesies Burung Berhijrah, in (JOURNAL OF TECHNO SOCIAL), ,24-35, (Impact Factor: -, DOI:10.30880/jts.2020.12.01.004)
16. Tuan Ainul Asyikin Binti Tuan Azlan, Farah Alia Binti Nordin, Azimah Binti Abd Rahman, Nur Munira Binti Azman, , 2019, Abundance and distribution of migratory shorebirds at Teluk Air Tawar-Kuala Muda, (IBA), Peninsular Malaysia, in (MALAYAN NATURE JOURNAL), 71,149-161, (Impact Factor: -, DOI:-)
17. Azimah Binti Abd Rahman, Tarmiji M., , 2018, Habitat requirements of migratory birds in the Matang Mangrove Forest Reserve, Perak, in (JOURNAL OF TROPICAL FOREST SCIENCE), 30,304-311, (Impact Factor: 0.66, DOI:10.26525/jtfs2018.30.3.304311)

Corresponding Author

1. Azimah Binti Abd Rahman, Shahrul Nizam Bin Abu Bakar, Farah Alia Binti Nordin, Rahmad Bin Zakaria, Muhammad Hilmi Bin Jamaluddin, Ahmad Sofiman Bin Othman, Mohammad Farhan Bin Rashid, , 2023, Unveiling Limestone Orchid Hotspots in the Karst Hills of Northern Peninsular Malaysia, in (DIVERSITY), 15,1 - 13, (Impact Factor: -, DOI:<https://doi.org/10.3390/d15070819>)
2. Nurul Filzati Binti Mohd Ali Akbar , Porter, Lindsay, Leela Rajamani A/P Ramnath Rajamani, Azimah Binti Abd Rahman, Sim Yee Kwang, Nik Fadzly Bin N Rosely, , 2023, Habitat use and behaviour of the Irrawaddy dolphin, *Orcaella brevirostris* and the Indo- Pacific finless porpoise, *Neophocaena phocaenoides* off the west coast of Penang Island, Malaysia, in (RAFFLES BULLETIN OF ZOOLOGY), 71,169-194, (Impact Factor: 1.1, DOI:10.26107/RBZ-2023-0013)
3. Leela Rajamani A/P Ramnath Rajamani, Ali N.F., Rodriguez-vargas L.H., Azimah Binti Abd Rahman, , 2023, Occurrences of Indo-Pacific Finless porpoise (*Neophocaena phocaenoides*) off the West Coast of Penang Island, Malaysia, in (ASM SCIENCE JOURNAL), 18,1 - 24, (Impact Factor: -, DOI:10.32802/ASMSCJ.2023.1198)
4. Muhammad Hafiz Bin Tajidin, Azimah Binti Abd Rahman, , 2021, APLIKASI TEKNOLOGI SPATIAL DALAM MENAMBAHBAIK KEMUDAHAN PENGANGKUTAN BAGI KEGUNAAN PELANCONG SEKITAR PULAU PINANG, in (E-BANGI: JOURNAL OF SOCIAL SCIENCES AND HUMANITIES), 18,37-52, (Impact Factor: -, DOI:-)
5. Siti Masayu Rosliah Binti Abdul Rashid, Fatimah Binti Hassan, Azimah Binti Abd Rahman, Norhafiza Md Sharif, Mohd Amirul Bin Mahamud, , 2021, The Role of Digital Marketing among Small Rural Entrepreneurs Amidst Movement Control Order (MCO):, in (ACADEMIC JOURNAL OF INTERDISCIPLINARY STUDIES), 10,70-8010, (Impact Factor: -, DOI:10.36941/ajis-2021-0099)
6. Hamdan K.R., Mohd Hafiidz Bin Jaafar, Azimah Binti Abd Rahman, Widad Binti Fadhullah, , 2021, Assessment of Vector Surveillance and Meteorological Factors in Evaluating Dengue Outbreak Areas in South Seberang Perai District, Penang, in (MALAYSIAN JOURNAL OF MEDICINE AND HEALTH SCIENCES), 17,101-107, (Impact Factor: -, DOI:-)

7. Ahmad S.N.B., Widad Binti Fadhullah, Azimah Binti Abd Rahman, Mohamad Anuar Bin Kamaruddin, , 2021, Using Water Quality Index, Principal Component Analysis and IDW Interpolation Water to Determine the Water Quality Assessments of Selected Rivers in Northern Region of Kelantan, Malaysia, in (MALAYSIAN JOURNAL OF MEDICINE AND HEALTH SCIENCES), 17,28-35, (Impact Factor: -, DOI:-)
8. Siti Masayu Rosliah Binti Abdul Rashid, Hassan F., Sharif N.M., Azimah Binti Abd Rahman, Mohd Amirul Bin Mahamud, , 2021, The role of digital marketing in assisting small rural entrepreneurs amidst Covid-19 movement control order (MCO): A case study in Peninsular Malaysia, in (ACADEMIC JOURNAL OF INTERDISCIPLINARY STUDIES), 10,70-80, (Impact Factor: -, DOI:10.36941/AJIS-2021-0099)
9. Alshammari Eissa Zaidan A, Ruslan Bin Rainis, Azimah Binti Abd Rahman, , 2020, Land Use Land Change and its Impacts on Water Resources and Ecology: A literature review, in (TALENT DEVELOPMENT & EXCELLENCE), 12,4871-4882, (Impact Factor:
 - i. -, DOI:-)
10. Alshammari Eissa Zaidan A, Ruslan Bin Rainis, Azimah Binti Abd Rahman, , 2020, Estimation of Runoff and Water distributed in Aridity Urban area Using Hydrological and Hydraulic Modelling: A Literature Review, in (TALENT DEVELOPMENT & EXCELLENCE), 12,4847-4870, (Impact Factor: -, DOI:-)
11. Muhammad N.A.F., Nur Faeza Binti Abu Kassim, Abdul Hafiz Ab Majid, Azimah Binti Abd Rahman, Dieng H., Avicor S.W., , 2020, Biting rhythm and demographic attributes of *Aedes albopictus* (Skuse) females from different urbanized settings in Penang Island, Malaysia under uncontrolled laboratory conditions, in (PLOS ONE), 15,, (Impact Factor: 2.74, DOI:10.1371/journal.pone.0241688)
12. Azma Hanim Binti Ismail, Azimah Binti Abd Rahman, Chin L.C., , 2020, The use of gis to visualize spatial distribution of zooplankton in Teluk Bahang reservoir, Penang, Malaysia, in (JOURNAL OF ENVIRONMENTAL SCIENCE AND MANAGEMENT), 23,60-71, (Impact Factor: 0.42, DOI:-)
13. Mahmud M.R., Mansor F., Yatim M.A.M., Yusof A.A., Reba M.N.M., Hashim M., Norman M., Azimah Binti Abd Rahman, Jaafar W.S.W.M., Hossein M.S., , 2019, How has malaysia benefited from the high-resolution satellite rainfall? Trends, gaps and further research opportunities, in (ASM SCIENCE JOURNAL), 12,1-11, (Impact Factor: -, DOI:10.32802/asmscj.2019.325)
14. Nur Syahirah Binti Yacob , Muhammad Izzuddin Syakir Bin Ishak, Syahidah Akmal Binti Muhammad, Zarul Hazrin Bin Hashim, Azimah Binti Abd Rahman, Widad Binti Fadhullah, , 2018, Application of Nitrate Stable Isotopes, $\delta^{15}\text{N-NO}_3^-$ and $\delta^{18}\text{O-NO}_3^-$, in Bukit Merah Reservoir, Malaysia, in (JOURNAL OF PHYSICAL SCIENCE), 29,1-6, (Impact Factor: -, DOI:10.21315/jps2018.29.s3.1)
15. Ismail T.N.S.T., Nur Faeza Binti Abu Kassim, Azimah Binti Abd Rahman, Yahya K., Webb C.E., , 2018, Day biting habits of mosquitoes associated with mangrove forests in Kedah, Malaysia, in (TROPICAL MEDICINE AND INFECTIOUS DISEASE), 3,, (Impact Factor: -, DOI:10.3390/tropicalmed3030077)
16. Muhammad Fakruhayat Ab Rashid, Muhammad Aslam Abdul Aziz, Azimah Binti Abd Rahman, , 2021, COMMUNITY INVOLVEMENT IN ECOTOURISM AND IMPLICATIONS ON SOCIAL IN LANGKAWI ISLAND, MALAYSIA, in (EPRA INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH), 7,169-187, (Impact Factor: -, DOI:10.36713/epra8950)

Chapter in Books

1. Azimah Binti Abd Rahman, , 2021, PEMANTAUAN IMPAK PROGRAM PEMBIAKBAKAAN BURUNG BOTAK UPEH MENGGUNAKAN ANALISIS TEKNOLOGI GEOGRAFI, in (KECAKNAAN ILMU KEMANUSIAAN DALAM PELESTARIAN ALAM DAN MANUSIA), ,59-78, (Impact Factor: -, DOI:-)
2. Azimah Binti Abd Rahman, Nazri A.S.M., , 2021, Environment effect on milky stork habitat selection in Matang Mangrove Forest Reserve, Perak, in (Critical Research Techniques in Animal and Habitat Ecology: International Examples), 10,311-331, (Impact Factor: -, DOI:-)
3. Azimah Binti Abd Rahman, Masron T., , 2018, Application of geographical technology in the modelling of migratory bird habitats in mangrove forests: A review, in (Geomatics and Conservation Biology), 12,215-238, (Impact Factor: -, DOI:-)
4. Tarmiji Masron, Azimah Binti Abd Rahman, , 2018, Application of Geographical Technology in the Modelling of Migratory Bird Habitats in Mangrove Forests: A Review, in (Geomatics and Conservation Biology), ,, (Impact Factor: -, DOI:-)
5. Azimah Binti Abd Rahman, Tarmiji Masron, , 2020, Kesan Aktiviti Guna Tanah oleh Komuniti Tempatan terhadap Taburan Burung Hijrah Sekitar Hutan Paya Laut, in (Pembangunan Sumber di Luar Bandar), ,157-167, (Impact Factor: -, DOI:-)
6. Azimah Binti Abd Rahman, , 2021, PEMODELAN HABITAT BURUNG HIJRAH DALAM PEMELIHARAAN DAN PEMULIHARAAN HUTAN PAYA BAKAU LESTARI, in (KECAKNAAN ILMU KEMANUSIAAN DALAM PELESTARIAN ALAM DAN MANUSIA), ,37-58, (Impact Factor: -, DOI:-)

Article in Proceeding

1. Widad Binti Fadhullah, Nur Syahirah Binti Yacob, Muhammad Izzuddin Syakir Bin Ishak, Syahidah Akmal Binti Muhammad, Zarul Hazrin Bin Hashim, Azimah Binti Abd Rahman, , 2017, Water quality assessment of Bukit Merah Reservoir, Perak, ,91 - 96, (Impact Factor: -, DOI:-)
2. Nur Syahirah Yacob, Muhammad Izzuddin Syakir Bin Ishak, Syahidah Akmal Binti Muhammad, Zarul Hazrin Bin Hashim, Azimah Binti Abd Rahman, Widad Binti Fadhullah, , 2017, Water Quality Assessment of Bukit Merah Reservoir, Perak, ,91 -96, (Impact Factor: -, DOI:-)
3. Nur Asnida Binti A Razak, Azimah Binti Abd Rahman, , 2020, Shorebird Abundance and Species Richness in Penang Island, 89,, (Impact Factor: -, DOI:10.15405/epsbs.2020.10.02.56)
4. Siti Khatijah Raudah Zulkefli, Azimah Binti Abd Rahman, Nur Faeza Binti Abu Kassim, , 2018, USE OF GEOGRAPHIC INFORMATION SYSTEM (GIS) AS AN EPIDEMIOLOGY TOOL IN THE SURVEILLANCE OF DENGUE VECTOR IN PENANG, ,768-778, (Impact Factor: -, DOI:10.15405/epsbs.2019.09.83)
5. Anisah Lee Binti Abdullah, Tan Shau Hwai, Zulfigar Bin Yasin, Azimah Binti Abd Rahman, Nurhafizul Abu Seri, , 2021, Spatio- Temporal Changes in Seagrass Beds and the Middle Bank of Northern Straits of Malacca Between 1985 and 2021, ,, (Impact Factor: -, DOI:-)

RESEARCH PROJECT

International

1. AZIMAH BINTI ABD RAHMAN, , INFLUENCE OF BIOTIC AND ABIOTIC FACTORS ON POPULATION DISTRIBUTION OF PTEROPTYX TENER IN MANGROVE FOREST AREAS AT KUALA SEPETANG, PERAK MALAYSIA, EXTERNAL AGENCY (INTERNATIONAL), RM 12,000.00, 01/10/2023 - 30/09/2024, (Active)
2. Widad Binti Fadhullah, Muhammad Izzuddin Syakir Bin Ishak, Syahidah Akmal Binti Muhammad, Zarul Hazrin Bin Hashim, Azimah Binti Abd Rahman, Nitrogen Sources and Eutrophication in Aquatic Ecosystems: Applications using Stable Isotopes and Nutrient Analysis, International Atomic Energy Agency, RM47,826.00, 14/04/2016-21/02/2020, (Active)
3. FARAH ALIA BINTI NORDIN, AHMAD SOFIMAN BIN OTHMAN, DR. AHMAD AKMAL MOHD. RAFFI, AZIMAH BINTI ABD RAHMAN, THE LIMESTONE ORCHID FLORA OF NORTHERN PENINSULAR MALAYSIA, EXTERNAL AGENCY (INTERNATIONAL), RM 15,242.85, 01/08/2020 - 01/08/2022, (Pending Final Report)
4. LEELA RAJAMANI A/P RAMNATH RAJAMANI, MASTHURAH BINTI ABDULLAH, AZIMAH BINTI ABD RAHMAN, SIM YEE KWANG, MANGALAM SANKUPELLAY, ISABEL BEASLEY, LINDSAY JANE PORTER, ECOLOGICAL STUDIES ON CETACEANS WITH A FOCUS ON THE IRRAWADDY DOLPHIN (ORCAELLA BREVIROSTRIS) AROUND PENANG ISLAND, EXTERNAL AGENCY (INTERNATIONAL), RM 129,625.00, 01/08/2018 - 31/01/2021, (Completed (Acheived KPI))
5. WIDAD BINTI FADHULLAH, MUHAMMAD IZZUDDIN SYAKIR BIN ISHAK, SYAHIDAH AKMAL BINTI MUHAMMAD, ZARUL HAZRIN BIN HASHIM, AZIMAH BINTI ABD RAHMAN, Nitrogen Sources and Eutrophication in Aquatic Ecosystems : Applications using Stable Isotopes and Nutrient Analysis, EXTERNAL AGENCY (INTERNATIONAL), RM 48,079.60, 22/02/2016 - 21/02/2019, (Completed (Acheived KPI))

National

1. AZIMAH BINTI ABD RAHMAN, NUR FAEZA BINTI ABU KASSIM, TAN MOU LEONG, FARADINA BINTI MARZUKHI, PENGARUH PERSEKITARAN TERHADAP TABURAN POPULASI KELIP-KELIP DI KAWASAN PAYA BAKAU SEKITAR KUALA SEPETANG, PERAK., FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS), RM 73,700.00, 01/11/2020 - 31/10/2022, (Active)
2. AMIRAH BINTI HURZAID, AZIMAH BINTI ABD RAHMAN, NOOR ADELYNA BINTI MOHAMMED AKIB, SITI AZIZAH BINTI MOHD NOR, NOORUL AZLIANA BINTI JAMALDIN, Elucidating the cryptic diversity and potential commercial marine shrimp species (Decapoda: Penaeidae) in Peninsular Malaysia using DNA barcoding and GIS approach, FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS), RM 107,500.00, 01/09/2022 - 31/08/2024, (Active)
3. SITI MASAYU ROSLIAH BINTI ABDUL RASHID, NIK NORLIATI FITRI BINTI MD NOR, TANG CHOR FOON, AZIMAH BINTI ABD RAHMAN, Pembinaan Kerangka Asas Baharu Kemiskinan Bandar Kumpulan B40 di Pulau Pinang dan Kuala Lumpur., FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS), RM 68,400.00, 01/09/2022 - 31/08/2024, (Active)
4. FARAH ALIA BINTI NORDIN, AZIMAH BINTI ABD RAHMAN, MUHAMMAD HILMI BIN JAMALUDDIN, MOHD AKMAL MOHD RAFFI, The Limestone Orchid Flora of Northern Peninsular Malaysia: Conserving Karst Biodiversity and Endemism, OTHER MINISTRIES, RM 105,000.00, 01/08/2022 - 31/07/2024, (Active)

5. AIZA BINTI MASLAN @ BAHARUDIN, IDRIS BIN MANSOR, AZIMAH BINTI ABD RAHMAN, NURHAZANI BT MOHD SHARIFF, NORAZLAN HADI BIN YAACOB, MEMBANGUNKAN INVENTORI DAN MEMETAKAN TAPAK WARISAN BAGI MEMFORMULASI STRATEGI PELESTARIAN SEJARAH DAN WARISAN HAJI DALAM MEMPERKASA SEKTOR PELANCONGAN WARISAN DI SEMENANJUNG MALAYSIA, FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS), RM 59,900.00, 07/09/2021 - 09/09/2023, (Active)
6. 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), RM 77,500.00, 07/09/2021 - 06/09/2023, (Active)
7. NUR FAEZA BINTI ABU KASSIM, AZIMAH BINTI ABD RAHMAN, SMART CITY AND VECTOR BORNE DISEASES / FLOOD MANAGEMENT SYSTEM, EXTERNAL AGENCY (INDUSTRY), RM 15,000.00, 01/02/2018 - 31/01/2019, (Pending Final Report)
8. MUHAMMAD IZZUDDIN SYAKIR BIN ISHAK, AZIMAH BINTI ABD RAHMAN, WIDAD BINTI FADHULLAH, SYAHIDAH AKMAL BINTI MUHAMMAD, MOHAMAD HAAFIZ BIN MOHAMAD KASSIM, DR. ROSLANZAIRI MOSTAPA, An Environmental Forensic Study of Flood Aftermath in Kelantan: Stable Isotope Constraints, TRANSDICIPLINARY RESEARCH GRANT SCHEME(TRGS), RM 103,070.00, 01/04/2015 - 31/12/2015, (Completed (With Report))

University

1. Azimah Binti Abd Rahman, -, Pencegahan wabak demam denggi melalui aplikasi Teknologi Maklumat geografi di Flat Kampung Melayu, Air Itam, Pulau Pinang, pusat pengajian ilmu kemanusiaan, RM2,000.00, 24/07/2020-02/08/2020, (Active)
2. AZIMAH BINTI ABD RAHMAN, NUR FAEZA BINTI ABU KASSIM, SUHAILA BINTI AB HAMID, Aplikasi Sistem Maklumat Geografi (GIS) Dalam Perancangan Kawalan Dan Kutipan Data Bagi Pemerhatian Vektor Denggi Sekitar Kawasan Pulau Pinang, RESEARCH UNIVERSITY (INDIVIDUAL), RM 100,000.00, 01/03/2016 - 28/02/2019, (Completed (Acheived KPI))
3. AZIMAH BINTI ABD RAHMAN, SHAHRUL ANUAR BIN MOHD SAH, Pendekatan Aplikasi Sistem Maklumat Geografi (GIS) Dan Penderiaan Jauh Dalam Pemodelan Habitat Burung Botak Upeh (Milky Stork) Sekitar Hutan Paya Laut Matang, Perak, SHORT TERM - ACADEMIC STAFF, RM 39,000.00, 01/06/2015 - 31/05/2017, (Completed (With Report))
4. AZIMAH BINTI ABD RAHMAN, , Pattern Distribution Model For Migratory Bird Using Gis Application At Kuala Gula, Perak, POSTGRADUATE RESEARCH GRANT SCHEME, RM 13,250.00, 15/04/2011 - 14/04/2014, (Completed (With Report))
5. SITI MASAYU ROSLIAH BINTI ABDUL RASHID, TAN MOU LEONG, AZIMAH BINTI ABD RAHMAN, NIK NORLIATI FITRI BINTI MD NOR, IZHAM BIN MOHAMAD YUSOFF, Socio-Economic and Environmental Assessment of Duckweed Polyculture System Adaptation in Inland Aquaculture Sector, RESEARCH UNIVERSITY TEAM (RU TEAM), RM 52,790.00, 01/01/2024 - 31/12/2025, (Active)

CONSULTANCY PROJECT

- FLOOD MANAGEMENT SYSTEM, Industry, 02/02/2018-31/01/2020

PAPER PRESENTED

Conference

- GIS Application in Monitoring the Environmental Impact on the Distribution of Estuarine Firefly Species (*Pteroptyx tener* Olivier) along Sepetang River at Kuala Sepetang, Perak, 08/12/2022 - 09/12/2022, the 13th IMT-GT UNINET Bioscience International Conference 2022, Songkhla, Thailand (International)
- Distribution of the Congregating Fireflies in Malaysia: A Review, 26/06/2021 - 27/06/2021, INTERNATIONAL CONFERENCE ON SOCIAL SCIENCE AND TECHNOLOGY FOR POSTGRADUATES AND RESEARCHERS (ICSSTPR2021), webinar (International)
- Aplikasi Teknologi Ruangan untuk Membantu Pemeliharaan Spesies Burung Botak Upeh dan Penerapan Kearifan Tempatan dalam Pemantauan Habitat Secara Mapan, 27/07/2016 - 28/07/2016, 6th International Conference on Local Knowledge 2016 (ICLK2016) from 27th to 28th July 2016 at St Giles Wembley Hotel, Pulau Pinang, Malaysia. (International)
- The distribution and potential breeding sites of dengue vectors using GIS approach in Penang, 11/12/2019 - 12/12/2019, The Second International Conference on Animal and Plant Ecology and Management (APEM 2019), Pusat Islam Sultan Mahmud, Universiti Malaysia Terengganu, Terengganu, Malaysia (International)
- Kesan Aktiviti Guna Tanah oleh Komuniti Tempatan terhadap Taburan Burung Hijrah Sekitar Hutan Paya Laut, 02/04/2018 - 04/04/2018, SEMINAR PEMBANGUNAN SUMBER & KOMUNITI LUAR BANDAR KEBANGSAAN (PESOLAR 2018), Grand Borneo Hotel, SABAH (National)
- LAND USE EFFECT ON MILKY STORK HABITAT SELECTION IN MATANG FOREST RESERVE, PERAK, 26/10/2018 -
- 27/10/2018, Humanities, Society and Tourism International Conference (HUSTINC 2018), UCSI, KUCHING SARAWAK (International)
- GIS implementation as a precursory measure to the aggravation of mosquitoes : distribution and potential breeding sites for dengue vectors in Penang, 15/08/2018 - 16/08/2018, International Conference on Ecology and Biodiversity Across Space and Time 2018 (ICEBATS 2018), Hotel Jen, Pulau Pinang (International)
- USE OF GEOGRAPHIC INFORMATION SYSTEM (GIS) AS AN EPIDEMIOLOGY TOOL IN THE SURVEILLANCE OF DENGUE VECTORS IN PENANG., 16/08/2017 - 17/08/2017, second international conference on humanities (incoh), parkroyal resort hotel, penang (International)
- APPLICATION OF GEOGRAPHICAL INFORMATION SYSTEM (GIS) IN HABITAT MODELING OF SCOLOPACIDAE AND CHARADRIIDAE BIRD POPULATIONS IN MATANG RESERVE FOREST, PERAK, 11/11/2014 - 13/11/2014, The International Conference on Mangroves of Asia-Pacific Countries in View of Climate Change (MAPCVCC 2014), grand season hotel, Kuala Lumpur (International)
- PENERAPAN APLIKASI TEKNOLOGI TERKINI DALAM MENAMBAHBAIK TEKNIK KEARIFAN TEMPATAN DALAM PEMELIHARAAN DAN PEMULIHARAAN HABITAT BURUNG HIJRAH DI HUTAN SIMPAN MATANG, PERAK., 14/10/2015 - 16/10/2015, INTERNATIONAL CONFERENCE ON LOCAL KNOWLEDGE 2015, GRAND HOTEL LEMBANG, BANDUNG, INDONESIA (International)
- Committee Members (Conference/Seminar/Workshop), PAN OCEAN REMOTE SENSING CONFERENCE (PORSEC 2020), 2019 (National)

Oral Presenter

1. GIS Application in Monitoring the Environmental Impact on the Distribution of Estuarine Firefly Species (*Pteroptyx tener* Olivier) along Sepetang River at Kuala Sepetang, Perak, 08/12/2022 - 09/12/2022, the 13th IMT-GT UNINET Bioscience International Conference 2022, Songkhla, Thailand (International)
2. Distribution of the Congregating Fireflies in Malaysia: A Review, 26/06/2021 - 27/06/2021, INTERNATIONAL CONFERENCE ON SOCIAL SCIENCE AND TECHNOLOGY FOR POSTGRADUATES AND RESEARCHERS (ICSSTPR2021), webinar (International)
3. Aplikasi Teknologi Ruangan untuk Membantu Pemeliharaan Spesies Burung Botak Upeh dan Penerapan Kearifan Tempatan dalam Pemantauan Habitat Secara Mapan, 27/07/2016 - 28/07/2016, 6th International Conference on Local Knowledge 2016 (ICLK2016) from 27th to 28th July 2016 at St Giles Wembley Hotel, Pulau Pinang, Malaysia. (International)
4. The distribution and potential breeding sites of dengue vectors using GIS approach in Penang, 11/12/2019 - 12/12/2019, The Second International Conference on Animal and Plant Ecology and Management (APEM 2019), Pusat Islam Sultan Mahmud, Universiti Malaysia Terengganu, Terengganu, Malaysia (International)
5. Kesan Aktiviti Guna Tanah oleh Komuniti Tempatan terhadap Taburan Burung Hijrah Sekitar Hutan Paya Laut, 02/04/2018 - 04/04/2018, SEMINAR PEMBANGUNAN SUMBER & KOMUNITI LUAR BANDAR KEBANGSAAN (PESOLAR 2018), Grand Borneo Hotel, SABAH (National)
6. LAND USE EFFECT ON MILKY STORK HABITAT SELECTION IN MATANG FOREST RESERVE, PERAK, 26/10/2018 - 27/10/2018, Humanities, Society and Tourism International Conference (HUSTINC 2018), UCSI, KUCHING SARAWAK (International)
7. GIS implementation as a precursory measure to the aggravation of mosquitoes : distribution and potential breeding sites for dengue vectors in Penang, 15/08/2018 - 16/08/2018, International Conference on Ecology and Biodiversity Across Space and Time 2018 (ICEBATS 2018), Hotel Jen, Pulau Pinang (International)
8. USE OF GEOGRAPHIC INFORMATION SYSTEM (GIS) AS AN EPIDEMIOLOGY TOOL IN THE SURVEILLANCE OF DENGUE VECTORS IN PENANG., 16/08/2017 - 17/08/2017, second international conference on humanities (incoh), parkroyal resort hotel, penang (International)
9. APPLICATION OF GEOGRAPHICAL INFORMATION SYSTEM (GIS) IN HABITAT MODELING OF SCOLOPACIDAE AND CHARADRIIDAE BIRD POPULATIONS IN MATANG RESERVE FOREST, PERAK, 11/11/2014 - 13/11/2014, The International Conference on Mangroves of Asia-Pacific Countries in View of Climate Change (MAPCVCC 2014), grand season hotel, Kuala Lumpur (International)
10. PENERAPAN APLIKASI TEKNOLOGI TERKINI DALAM MENAMBAHBAIK TEKNIK KEARIFAN TEMPATAN DALAM PEMELIHARAAN DAN PEMULIHARAAN HABITAT BURUNG HIJRAH DI HUTAN SIMPAN MATANG, PERAK., 14/10/2015 - 16/10/2015, INTERNATIONAL CONFERENCE ON LOCAL KNOWLEDGE 2015, GRAND HOTEL LEMBANG, BANDUNG, INDONESIA (International)

ACADEMIC/PROF. SERVICES

Evaluation

1. Thesis Entitled, Zaity Syazwani Binti Mohd Odli, 2023, Ph.D Thesis - Course Work , UNIVERSITI SAINS MALAYSIA , Marine Macro- and Microplastics Litter in the Coastal Region of Northern Peninsular Malaysia (PTJ) (Internal Examiner)
2. Thesis Entitled, LYU LIQIN, 2022, Master Thesis - Mixed Mode , UNIVERSITI SAINS MALAYSIA , (AZIMAH) Addressing obstructive factors affecting ecotourism and sustainable development in Beibei District, Chongqing (Internal Examiner)
3. Thesis Entitle, Nur Afiqah Binti Ariffin, 2021, Ph.D Thesis , UNIVERSITI SAINS MALAYSIA , Korelasi Ruang Masa Penyakit Tuberkulosis di Pulau Pinang (Internal Examiner)
4. Thesis Entitle, JANNATUL BAKIA SWEETY, 2021, Master Thesis - Mixed Mode , UNIVERSITI SAINS MALAYSIA , Factors influencing Household Waste Separation Intention among Women in Dhaka city (Internal Examiner)
5. Thesis Entitle, FARISZATUL ERNA BINTI ZUBIR, 2020, Master Thesis - Mixed Mode , UNIVERSITI SAINS MALAYSIA , Penglibatan Mahasiswa terhadap Pengurusan E-Sisa Mudah Alih dalam Amalan Kitar Semula: Kajian Kes Universiti Sains Malaysia (Internal Examiner)
6. Thesis Entitle, MOGANESWARY A/P MUTHUSAMY, 2018, Master Thesis - Mixed Mode , UNIVERSITI SAINS MALAYSIA , SUMBANGAN PROGRAM KESEDARAN MEROKOK DALAM KALANGAN PELAJAR UNIVERSITI SAINS MALAYSIA DALAM PEMBENTUKAN KAMPUS SIHAT DAN LESTARI (Internal Examiner)
7. Thesis Entitle, muhammad zaki b zainol , 2016, Master Thesis , universiti sains malaysia , bajet aktiviti dan pemilihan kanopi orangutan dalam kurungan dan motivasi pekerja konservasi di semenanjung Malaysia (Internal Examiner)
8. Thesis Entitle, Mohd Ilman Bin Che Abdullah, 2016, Master Thesis , Universiti Sains Malaysia, Autecological studies of oxudercine gobies periophthalmus chrysospilos (Bleeker, 1852)(Gobiidae : Oxudercinae) from Bayan Bay, Penang (Internal Examiner)
9. Thesis Entitle, Mehdi Asemani, 2015, Ph.D Thesis , Universiti Sains Malaysia, Effect of Dietary Carbohydrate Source from and level on Growth, Feed Utilization, Body Indices, Body Composition, Striped Catfish, Pansagasianodon hypophthalmus (Sauvage, 1878)Fingerlings (Internal Examiner)
10. Thesis Entitle, onrizal, 2015, Ph.D Thesis , Universiti Sains Malaysia, the recovery of coastal vegetation to the impact of earthquake and tsunami with spatial reference to northern Sumatra (Internal Examiner)
11. PEMERIKSA KERTAS JAWAPAN, PEPERIKSAAN SEMESTER PROGRAM MATRIKULASI (PSPM), KEMENTERIAN PENDIDIKAN MALAYSIA: PELANTIKAN PEMERIKSA SKRIP JAWAPAN BIOLOGI, 12/05/2018-18/05/2018, KEMENTERIAN PENDIDIKAN MALAYSIA
12. panel penilai poster, 12th international symposium in science and technology 2017, 16/08/2017-16/08/2017, universiti sains malaysia
13. Review of Grant Proposal, Integrating GIS Spatial Dimension into Sustainability Initiatives Inclusivity Assessment at the University Level, UNIVERSITI SAINS MALAYSIA, 01/08/2022 - 01/08/2022, RM27,900.00 (University)
14. Editorial Board Member, JOURNAL OF ASIAN GEOGRAPHY, 01/11/2021 - 31/10/2023 (International)
15. Editorial Board Member (AZIMAH), JOURNAL OF ASIAN GEOGRAPHY, - (National)

Contribution to external organisation

1. Project Member/Co Researcher, FLOOD MANAGEMENT SYSTEM PROJECT with MAJLIS PEMBANDARAN SEBERANG PERAI (MPSP)
2. Project Leader/Coordinator, MoU/MoA USM - Jahangirnagar University, Industry, 01/01/2020-01/01/2023 (International)

Media appearance

1. Invited panel, DOKUMENTARI SIMFONI ALAM "SI API-API", by RTM (Radio Televisyen Malaysia) 18/03/2022-21/03/2022 (National)

SUPERVISION

PhD

1. Murad Barakat Jaber Bani Mustafa, 2023, Doctor of Philosophy, Research - Full Time, Will be determined later., Co-supervisor
2. Nor'Izzati Binti Shaipudin, 2023, Doctor of Philosophy, Research - Full Time, Unveiling Orchid Hot Spots in Langkawi UNESCO Geoforest Parks using MAXENT and ERDAS Software and Its' Implication on Biodiversity Knowledge among High School Students. , Co-supervisor
3. Alshammari Eissa Zaidan A, 2018, Doctor of Philosophy, Research - Full Time, Analisis Kesan Perubahan Guna Tanah Terhadap Kejadian Banjir Bandar di Kawasan Tadahan Tidak Teratur di Bandar Ha'il, Arab Saudi, Co-supervisor

Master

1. Noor Fazeera Binti Ahmad Fuzi, 2021, Master, Research - Full Time, The use of Geographic Information System (GIS) in Preserving Firefly Habitat in Kuala Sepetang, Perak, Main Supervisor
2. Putri Wulan Dari Binti Perison, 2022, Master, Research - Full Time, Endoparasite Infection of Wild Rats and Its Distribution by Geographic Information System (GIS) in Penang, Malaysia, Co-supervisor
3. Shahrul Nizam Bin Abu Bakar, 2021, Master, Research - Full Time, Unveiling Limestone Orchid Hotspots in the Karst Hills of Northern Peninsular Malaysia, Co-supervisor
4. Nurhafizul Bin Abu Seri, 2024, Master, Research - Full Time, The Abundance of Synchronous Flashing Mangrove Firefly Species and Its Relationship to Biotic and Abiotic Parameters in Sepetang River, Malaysia, Main Supervisor
5. Muhammad Fakruhayat Bin Ab Rashid, 2023, Master, Research - Full Time, Influence of Fireflies Ecotourism Towards Socioeconomic Development of the Local Community in Kuala Sepetang, Perak, Main Supervisor
6. Wira Dharma, 2021, Doctor of Philosophy, Research - Full Time, Economic Valuation Of Green Open Space (GOS) And Biodiversity In Banda Aceh, Co-supervisor
7. Siti Hamidah Binti Ismail, 2017, Master, Research - Full Time, Abundance and Diversity of Aquatic Insects in Relation to the Physico-Chemical Parameters in Several Rivers from Bukit Merah Catchment Area , Co-supervisor
8. Muhammad Hafiz Bin Tajidin, 2019, Master(Dissertation - Mixed Mode), aplikasi sistem maklumat geografi (GIS) dalam usaha penambahbaikan sistem pengangkutan pelancongan di Pulau Pinang

TEACHING

Master

1. HGT511/4, 171, 2017, Geographic Information Systems , 2, 2
2. HGP590/20, 182, 2019, Dissertation , 2, 12
3. HGP591/28, 182, 2019, Dissertation , 7, 12

Bachelor

1. HGT342/4, 246, 2024, Research Methodologi And Field Work , 0, 11
2. HGP309/6, 246, 2024, Geography Project , 0, 9
3. HGT331/3, 242, 2025, Gis In Sustainable Development , 0, 2
4. HGT201/3, 242, 2025, Geographic Information Technology And Remote Sensing , 0, 3
5. HGT101/3, 242, 2025, Techniques In Geography , 0, 2
6. HGG301/3, 242, 2025, Resource And Disaster Management , 0, 3
7. HGF328/3, 242, 2025, Biogeography , 0, 2
8. HGT321/3, 241, 2024, Geographic Information Technology , 0, 2
9. HGT219/3, 241, 2024, Quantitative Method And Spatial Analysis , 0, 3
10. HGG454/3, 241, 2024, Selected Topics In Geography , 0, 3
11. HGT342/4, 236, 2023, Research Methodologi And Field Work , 84, 9
12. HGP309/6, 236, 2023, Geography Project , 19, 9
13. HGT321/3, 231, 2023, Geographic Information Technology , 59, 2
14. HGT222/4, 221, 2022, Techniques In Geography , 207,
15. BOI117/2, 162, 2017, Biodiversity & Ecology Practical , 118, 28
16. BOI102/3, 162, 2017, Ecology , 129, 3
17. BOM112/4, 151, 2015, Basic Ecology , 70, 3

SOCIAL RESPONSIBILITY ACTIVITIES

- University Representative (Sports and Non-Academic Activities),Pharmily Fun Walk & Run 2019, Kompleks Sukan Azman Hashim, USM , 02/11/2019- 02/11/2019 (University)

Event Organiser

1. Committee, INTERNATIONAL CONFERENCE ON SOCIETY, SPACE AND ENVIRONMENT (ICSSE) 2022, 16/11/2022-16/11/2022 (School)
2. Committee, the 13th International Academic Consortium for Sustainable Cities (IACSC) 2022, 12/09/2022-13/09/2022 (School)
3. Committee, INTERNATIONAL CONFERENCE ON SOCIETY, SPACE AND ENVIRONMENT (ICSSE) 2022:, 01/10/2022-30/11/2022 (School)
4. Committee,THE INTERNATIONAL ACADEMIC CONSORTIUM FOR SUSTAINABLE CITIES (IACSC) 2022, 01/06/2022-30/11/2022 (School)
5. School Committee, INTERNATIONAL CONFERENCE ON SUSTAINABILITY, HUMANITIES AND CIVILIZATION (ICSHAC, 2018), 21/11/2018-22/11/2018 (School)

6. School Committee, SOCIETY AND TOURISM INTERNATIONAL CONFERENCE (HUSTINC@SARAWAK 2018),
26/10/2018-27/10/2018 (School)
7. School Committee,15th asian conference on transcription 2017 (act 2017), 31/07/2017-05/08/2017 (School)
8. School Committee,international symposium in science and technology 2017 (ISST 2017), 14/08/2017-16/08/2017 (School)