

**Assoc. Prof. Sr. Dr Khairul Nizam Abdul Maulud***Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia*[knam@ukm.edu.my](mailto:knam@ukm.edu.my)/[knamukm@gmail.com](mailto:knamukm@gmail.com)

Sr. Dr Khairul Nizam Abdul Maulud is an Assoc. Prof. at the Faculty of Engineering & Built Environment, Universiti Kebangsaan Malaysia. He also appointed as a Head of Earth Observation Centre, Institute of Climate Change, Universiti Kebangsaan Malaysia. He joins the Universiti Kebangsaan Malaysia since 2001 after completing his B.Sc of Geoinformatics from the University of Technology, Malaysia. He received his M.Sc in Geoinformatics from the University of Technology, Malaysia and PhD in Civil & Structural from Universiti Kebangsaan Malaysia. Currently, he has published more than 74 journal papers, 26 books and chapters in book and 75 proceedings in national and international proceedings. He has involved as a principal researcher and consultant works more than 50 research grants, 33 consultant works in Malaysia. To date, he has supervised 12 PhD students, 6 Master Students and 19 bachelor degrees. His expertise is a Geographical Information System and Geomatic and has almost 19 years' experience in research and consultancy. He has successfully completed almost 17 water-related projects including sea-level rise, geospatial analysis, land-use changes, water quality, shoreline erosion, water management using GIS and Coastal Vulnerability Index. He now led high impact research on climate change, especially on the physical and economic impacts. He also is an expert panel for the government of Malaysia especially in coastal geomorphology, geospatial analysis and spatial water quality analysis.

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**2. EDUCATION**

PhD. in Civil Engineering, Universiti Kebangsaan Malaysia (2014);

Master of Science (Geoinformatics), University of Technology Malaysia (2006);

Bachelor of Science (Geoinformatics), University of Technology Malaysia (2001);

Diploma Land Surveying, University of Technology Malaysia (1998).

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**3. EMPLOYMENT**

Land Surveyor	Art Leading Sdn. Bhd,	1 Oct. 1997 – 31 Oct. 1998
Lecturer	Kolej Shah Putra, Kuantan	1 June. 2001 – 31 Oct. 2001
Tutor	Universiti Kebangsaan Malaysia	3 Nov. 2001 – 30 May 2006
Lecturer	Universiti Kebangsaan Malaysia	31 May 2006 – 28 Sept. 2014
Senior Lecturer	Universiti Kebangsaan Malaysia	29 Sept. 2014 – 5 August 2018
Associate Professor	Universiti Kebangsaan Malaysia	6 August 2018 – now

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**4. RECENT INDICATORS OF PROFESSIONAL ESTEEM**

- (i) **Advisory Committee**, Programme of Diploma in Geomatic, Polytechnic Sultan Haji Ahmad Shah (POLAS), Ministry of Education, Malaysia.
- (ii) **Member**, Board of Trustees, UKM- Sime Darby Foundation (YSD) Chair in Climate Change.
- (iii) **Subject Consultant**, Department of Environment Malaysia, SS0552.
- (iv) **Member** (Geomatic & Land Surveyors Division) of The Royal Institution of Surveyors, Malaysia (RISM) M4364.
- (v) **Professional Member** of Institution of Geospatial and Remote Sensing Malaysia (IGRSM), ML424.
- (vi) **Expert Panel** (Research, Development & Commercialization), Ministry of Energy, Science,

Technology, Environment & Climate Change (MESTECC), Malaysia. (1 September 2019 – 31 August 2021)

- (vii) **Expert Panel Committee**, Department of Higher Education, Ministry of Education Malaysia.
- (viii) **Technical Committee**, National Geoinformation/Geomatics Research (JTPGGK)
- (ix) **Technical Expert Committee**, Negotiation Advisory of Malaysia-Singapore Joint Committee on the Environment (MSJCE)
- (x) **Technical Expert Committee**, Malaysia-Singapore Joint Task Force on Trans boundary issues.
- (xi) **Chief Editor**, Earth to Space, ISSN No. 2462-1528, Half-yearly Bulletin, Institute of Climate Change, UKM (<http://www.ukm.my/ipi>)
- (xii) **Editor**, Geografia-Malaysian Journal of Society and Space (GMJSS) <http://ejournals.ukm.my/gmjss>
- (xiii) **Guest Editor** for the Journal of Engineering (Jurnal Kejuruteraan UKM) Special Issue 1 (2017), June 2017.
- (xiv) **Guest Editor** for the Journal of Engineering Science & Technology (JESTEC) Volume 11 Issue 5, May 2015.

## 5. SELECTED RECENT PUBLICATIONS

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74 Journal Publications

6 Books

21 Books (Chapter)

4 Procedia

55 Publications in International Conference Proceedings

20 Publications in Local Conference Proceedings

TOTAL IF = 64.169			
	SCOPUS	GOOGLE SCHOLAR	PUBLON
TOTAL CITATIONS	292	548	220
H-INDEX	8	11	8

A full list of publications can be found at:

<https://scholar.google.com.my/citations?user=F0FTchMAAAAJ&hl=en>

### JOURNAL

#### 2007

1. Yusri, Othman A. karim, **Khairul Nizam Abdul Maulud**, Mohd Ekhwan Toriman, 2007, Analisis Perubahan Penggunaan Lahan Kawasan Sungai Siak Pekan Baru Menggunakan Sistem Informasi Geografi (SIG), Jurnal Dinamika Pertanian , Volume XXII Nomor 3, ISSN 0215-2525 Page 184-194 , Bahasa Malaysia
2. Yusri, othman A. karim, **Khairul Nizam Abdul Maulud** and Mohd Ekhwan Toriman, 2007, Studi perubahan penggunaan lahan Kota Pekanbaru menggunakan sistem informasi geografi (GIS), Volume XXII Nomor 3, ISSN 0215-2525 Page 180-184 , Bahasa Malaysia

#### 2008

3. Zaaim Hasan, Othman A. Karim, and **Khairul Nizam Abdul Maulud**, 2008, Impak Perubahan Datum Carta dan Kecerunan Pesisir Depan Terhadap Ketidakpastian Kedudukan Titik Pangkal Malaysia. Sains Malaysiana , 37 (2). pp. 123-130. ISSN 01266039. – **ISI, SCOPUS Indexed.**
4. Yusri, Othman A. karim, **Khairul Nizam Abdul Maulud**, Mohd Ekhwan Toriman, 2008, Aplikasi Sistem Informasi Geografi Untuk Estimasi Perubahan penggunaan Lahan Kota Pekanbaru, Jurnal Dinamika Pertanian, Volume XXIII Nomor 3, ISSN 0215-2525 Page 157-164 , Bahasa Malaysia

#### 2009

5. Leila Ooshaksaraie, Noor Ezlin Ahmad Basri, Azuraliza Abu Bakar and **Khairul Nizam Abdul Maulud**, 2009, An Expert System Prototype for Minimizing Soil Erosion on Construction Site in Malaysia, European Journal of Scientific Research, ISSN 1450-216X Vol.33 No.3 (2009), pp.454-460, - **SCOPUS Indexed.**
6. Yusri, Othman A. Karim, **Khairul Nizam Abdul Maulud**, Mohd. Ekhwan Toriman, Mohd. Khairul Amri Kamarudin, 2009, Aplikasi GIS Dan Simulasi Banjir Sungai Siak Pekanbaru Menggunakan XP-SWMM, Jurnal Ilmiah Semesta Teknika, ISSN: 1411-061x, Vol. 12, No. 2, 157-166, November 2009.
7. Leila Ooshaksaraie, Noor Ezlin Ahmad Basri, Azuraliza Abu Bakar and **Khairul Nizam Abdul Maulud**, 2009, Erosion and Sediment Control Plans to Minimize Impacts of Housing Construction Activities on Water Resources in Malaysia, European Journal of Scientific Research , ISSN 1450-216X Volume 33 No.3 (2009), pp.461-470 , - **SCOPUS Indexed.**
8. Md Darus,Z., Hashim, N.A., Abdul Manan, S.N., Abdul Rahman, M.A., **Abdul Maulud, K.N.**, Abdul Karim,O., 2009, The Development of Hybrid Integrated Renewable Energy System (Wind and Solar) for Sustainable Living at Perhentian Island, Malaysia, European Journal of Social Sciences, ISSN: 1450-2267, Volume 9 Issue 4 October, 2009, pp. 557-563. - **SCOPUS Indexed.**

9. Zuhairuse Md Darus, Nor Atikah Hashim, Siti Nurhidayah Abdul Manan, Mohd Azhar Abdul Rahman, **Khairul Nizam Abdul Maulud** and Othman Abdul Karim, 2009, The Development of Hybrid Integrated Renewable Energy System (Wind and Solar) for Sustainable Living at Perhentian Island, Malaysia, European Journal of Social Sciences, ISSN: 1450-2267, Volume 11 Issue 2 November, 2009, pp. 198-204. - **SCOPUS Indexed**.

#### **2010**

10. Yusri, Othman, A. Karim, **Khairul Nizam Abdul Maulud**& Mohd Ekhwan Toriman, (2010) Kajian Kualitatif Perubahan Guna Tanah Kawasan Bandar Pekanbaru dengan Menggunakan Sistem Maklumat Geografi (GIS), Sains Malaysiana , 39 (5) (2010). pp. 705-709. ISSN 0126-6039. October 2010. – **ISI WoS, SCOPUS Indexed**.
11. P. Shahmohamadi, A.I. Che-Ani, I. Etessam, **K.N.A. Maulud**, M.F.I. Mohd-Nor (2010). "Conflict between Population and Urbanization Factors: Impact of Urban Heat Island on Energy Consumption Balance". Journal of Civil Engineering and Architecture. Volume 4(10) Oct. 2010. Pp. 16-23. [ISSN: 1934-7359]
12. P. Shahmohamadi, A.I. Che-Ani, **K.N.A. Maulud**, A. Sairi, M.F.I. Mohd-Nor (2010). "The Framework to Mitigate the Urban Heat Island Effect for Improving Environment and Protecting Human Health". International Journal of Sustainable Development and Planning. (in-press). Vol 5, No. 4, (2010), pp 351-366, [ISSN: 1743-7601 (paper format), ISSN: 1743-761X (online)] – **SCOPUS Indexed**.
13. P. Shahmohamadi, A.I. Che-Ani, A. Ramly, **K.N.A. Maulud**, M.F.I. Mohd-Nor (2010). "Reducing Urban Heat Island Effects: A Systematic Review to Achieve Energy Consumption Balance". International Journal of Physical Sciences. Vol. 5 (6) June 2010. pp. 626-636. [ISSN 1992-1950] – **ISI WoS, SCOPUS Indexed. IF 0.554, Q2.**
14. Mukhlisin Muhammad, Ilyias Idris, Al Sharif Salazar, **Khairul Nizam**& Mohd Raihan Taha (2010), "GIS Based Landslide Hazard Mapping Prediction in Ulu Klang, Malaysia", ITB Journal of Science. Vol. 42A(2):163-178. [ISSN 1978-3043] – **SCOPUS, Index Copernicus Indexed**.
15. P. Shahmohamadi, A.I. Che-Ani, N.A.G. Abdullah,M.M. Tahir, **K.N.A. Maulud**, M.F.I. Mohd-Nor (2010). "The Link between Urbanization and Climatic Factors: A Concept on Formation of Urban Heat Island". International Journal of WSEAS Transactions on Environment and Development. Issue 11, Volume 6, November 2010. pp. 754-768. [ISSN: 1790-5079] – **SCOPUS Indexed**.

#### **2011**

16. P. Shahmohamadi, A. I. Che-Ani, **K. N. A. Maulud**, N. M. Tawil, and N. A. G. Abdullah,(2011), "The Impact of Anthropogenic Heat on Formation of Urban Heat Island and Energy Consumption Balance," Journal of Urban Studies Research, vol. 2011, Article ID 497524, 9 pages, 2011. doi:10.1155/2011/497524, ISSN: 2090-4185 (Print), ISSN: 2090-4193 (Online). – **SCOPUS Indexed**.
17. P. Shahmohamadi, A.I. Che-Ani, N.M. Tawil, **K.N.A. Maulud**, M.M. Tahir, (2011), "The Conceptual Framework to Achieve Energy Consumption Balance in Kuala Lumpur Shophouses for Mitigating Urban Heat Island Effects With Focusing on Anthropogenic Factor ", Journal of Surveying, Construction and Property, Vol. 2(1):32-53, [ISSN: 1985-7527], **DOAJ Indexed**
18. **Khairul Nizam Abdul Maulud**, Othman A. Karim, Kamaruzzaman Sopian, 2011, Potensi Penjanaan Tenaga Ombak Di Malaysia (*Potential of Wave Energy in Malaysia*), The Professional Journal of Royal Institution of Surveyors Malaysia, Volume 46 No.3 (2011), pp.36-44.
19. M.E. Toriman, Othman Jaafar, **Khairul Nizam Abdul Maulud**, S.A. Sharifah Mastura, Nor Azlina Abdul Aziz, Muhammad Barzani Gasim, A.C. Er, Mohd Fuad Mat Jali, Nor Rohaizah Jamil and Md. Pauzi Abdullah, 2011. Modeling Flood Inundation in River Catchment using Hydraulic and Geographical Information System (GIS) Simulation Approach. Journal of Engineering and Applied Sciences, ISSN : 1816-949x (Print) ISSN : 1818-7803 (Online), Volume 6: 428-432. – **SCOPUS, ERA**.

#### **2012–IF: 1.926**

20. Leila Ooshaksaraie, Noor Ezlin Ahmad Basri, Azuraliza Abu Bakar and **Khairul Nizam Abdul Maulud**, 2012, RP3CA: An expert system applied in stormwater management plan for construction sites in Malaysia, Expert Systems with Applications, 39 (3), pp. 3692-3701 , - **ISI WoS & SCOPUS Indexed. IF 1.926, Q1.**

### **2013**

21. **K. N. Abdul Maulud**, W. H. M. Wan Mohtar & O. A. Karim, 2013, Spatial Multi Criteria Analysis for the Determination of Areas with High Potential Wave Energy, *Jurnal Teknologi (Sciences & Engineering)*, Volume 65:2 (2013), 113–120. Doi: <http://dx.doi.org/10.11113/jt.v65.2199>–**SCOPUS Indexed**.

### **2015–IF: 3.215**

22. Mohammad K. Younes, Z. M. Nopiah, N. E. Ahmad Basri, H. Basri, Mohammed F.M. Abusammala & **Khairul Nizam Abdul Maulud**, 2015, Solid Waste Forecasting Using Modified ANFIS Modeling, *Journal of the Air & Waste Management Association*, Volume 65:10 (2015), pp.1229-1238. DOI:10.1080/10962247.2015.1075919.–**ISI WoS & SCOPUS Indexed**.**IF 1.171, Q3**
23. Mohammad Khairi Younes, Noor Ezlin Ahmad Basri, Zulkifli Mohammad Nopiah, Hassan Basri, Mohammed Abusammala, and **Khairul Nizam Abdul Maulud**, 2015, Integrating approach to size and site at a sanitary landfill in Selangor state, Malaysia, *Environmental Engineering Research*, Volume 20:3 (2015), pp. 268-276. Doi: <http://dx.doi.org/10.4491/eer.2015.0054>– **SCOPUS Indexed**. **IF 0.365, Q3** (<http://eear.org/upload/eer-20-3-268.pdf>)
24. Mohammad K. Younes & Z. M. Nopiah & N. E. Ahmad Basri & H. Basri & Mohammed F. M. Abusammala & **K. N. A. Maulud**, 2015, Prediction of municipal solid waste generation using nonlinear autoregressive network, *Environmental Monitoring and Assessment*, Volume 187:753 (2015), pp. 1-10. Doi: 10.1007/s10661-015-4977-5–**ISI WoS, SCOPUS& ERA Indexed**.**IF 1.679, Q2**  
<http://link.springer.com/article/10.1007/s10661-015-4977-5>
25. **Khairul Nizam Abdul Maulud**, Zaaim Hasan, Othman A. Karim, 2015, Kejituhan Datum Carta Dalam Tempoh Cerapan Pasang Surut: Kajian Kes di Teluk Ewa, Pulau Langkawi (*An Accuracy of Chart Datum in the Tidal Observation Period: Case Study for Teluk Ewa, Pulau Langkawi*), *Jurnal Kejuruteraan*, Volume 27 (2015), pp. 103-109. –**WOS (ESCI) Indexed**
26. Abdul Rahman Mahmud, Zaini Sakawi, **Khairul Nizam Abdul Maulud**, 2015, *Pakej penambahbaikan EIA di Malaysia: Suatu ulasan kritis dalam aspek kawalan hakisan tanah dan sedimentasi*. *Geografia Online: Malaysian Journal of Society and Space*, Volume 11 No.6 (2015), pp.23-35. **ERA Indexed**

### **2016–IF: 3.426**

27. Nor A. M. Nasir, **Khairul N. A. Maulud** & Nur I.M. Yusoff, 2016, *Geospatial Analysis of Road Distresses and the Relationship With the Slope Factor*. *Journal of Engineering Science and Technology*, Vol. 11 No. 5 (2016), pp. 655-665. **SCOPUS Indexed**.
28. Md Firoz Khan, Nor Azura Sulong, Mohd Talib Latif, Mohd Shahrul Mohd Nadzir, Norhaniza Amil, Dini Fajrina Mohd Hussain, Vernon Lee, Puteri Nurafidah Hosaini, Suhana Shaharom, Nur Amira Yasmin Mohd Yusoff, Hossain Mohammed Syedul Hoque, Jing Xiang Chung, Mazrura Sahani, Norhayati Mohd Tahir, Liew Juneng, **Khairul Nizam Abdul Maulud**, Sharifah Mastura Syed Abdullah, Yusuke Fujii, Susumu Tohno, Akira Mizohata, 2016, *Comprehensive assessment of PM2. 5 physicochemical properties during the Southeast Asia dry season (southwest monsoon)*, *Journal of Geophysical Research: Atmospheres*, Vol. 121 Issue. 24 (2016), pp. 14589-14611. **ISI WoS & SCOPUS Indexed**. **IF 3.426, Q1**.

### **2017– IF: 6.736**

29. Wan Hanna Melini Wan Mohtar, Siti Aminah Bassa Nawang, **Khairul Nizam Abdul Maulud**, Yannie Anak Benson, Wan Ahmad Hafiz Wan Mohamed Azhary, 2017, *Textural characteristics and sedimentary environment of sediment at eroded and deposited regions in the severely eroded coastline of Batu Pahat, Malaysia*, *Science of the Total Environment*, Volume 598 (2017), pp. 525–537. **ISI WoS, SCOPUS & ERA Indexed**. **IF 3.976 Q1**.
30. Rahmah Elfithri, Syamimi Halimshah, Md Pauzi Abdullah, Mazlin Mokhtar, Mohd Ekhwan Toriman, Ahmad Fuad Embi, Maimon Abdullah, Lee Yook Heng, **Khairul Nizam Ahmad Maulud**, Syafinaz Salleh, Maizurah Maizan & Nurlina Mohamad Ramzan, 2017, *Pahang Flood Disaster : The Potential Flood Drivers*, *Malaysian Journal of Geosciences*, Vol. 1 Issue. 1 (2017), pp. 34-37.
31. Mohd Shahrul Mohd Nadzir, Chin Yik Lin, Md Firoz Khan, Mohd Talib Latif, Doreena Dominick, Haris Hafizal Abdul Hamid, Noorlin Mohamad, **Khairul Nizam Abdul Maulud**, Muhammad Ikram Abdul Wahab, Nurul Farahana Kamaludin, Mohamad Azwani Shah Mat Lazim, 2017, *Characterization of rainwater chemical composition after a*

*Southeast Asia haze event: insight of transboundary pollutant transport during the northeast monsoon, Environmental Science and Pollution Research, Vol.24 Issue 18, pp.15278-15290. ISI WoS, SCOPUS & ERA Indexed. IF 2.760 Q2.*

32. Md Pauzi Abdullah, Syafinaz Salleh, Rahmah Elfithri, Mazlin bin Mokhtar, Mohd Ekhwan Toriman, Ahmad Fuad Embi, **Khairul Nizam Abdul Maulud**, Maimon Abdullah, Lee Yook Heng, Syamimi Halimshah, Maizura Maizan, Nurlina Mohamad Ramzan, 2017, *Stakeholders response and perspectives on flood disaster of Pahang River Basin*, Malaysian Journal of Geosciences, Vol. 1 Issue. 1 (2017), pp. 43 - 49.
33. **Khairul Nizam Abdul Maulud**, Othman A. Karim & Amanda Lee Sean Peik, 2017, *Kajian Potensi Tenaga Marin di Perairan Selangor dan Perak*, Jurnal Kejuruteraan, Vol.1, Special Issue 1, pp. 15 - 23. **WOS (ESCI) Indexed**
34. A Sulaiman, AA Ab Rahman, **K N Abdul Maulud**, M T Latif, F Ahmad, M A Abdul Wahid, M A Ibrahim and N D Abdul Halim, 2017, *Distribution ozone concentration in Klang Valley using GIS Approaches*, Journal of Physics: Conference Series (JPCS), 852 (1), 012021, pp 1-9. **SCOPUS Indexed**
35. Siti Norsakinah Selamat, **Khairul Nizam Abdul Maulud**, Othman Jaafar and Hamizah Ahmad, 2017, *Extraction of shoreline changes in Selangor coastal area using GIS and remote sensing techniques*, Journal of Physics: Conference Series (JPCS), 852 (1), 012031, pp 1-8. **SCOPUS Indexed**
36. Abdul Rahman Mahmud, Zaini Sakawi & **Khairul Nizam Abdul Maulud**, 2017, *Analisa terhadap kaedah pengulasan laporan Penilaian Kesan Kepada Alam Sekeliling (EIA) di Malaysia (Analysis on Environmental Impact Assessment (EIA) review method in Malaysia)*, Malaysian Journal of Society and Space, Volume 13 (4), pp 11-21. DAOJ.

#### **2018 – IF: 16.177**

37. Md Firoz Khan, **Khairul Nizam Abdul Maulud**, Mohd Talib Latif, Jing Xiang Chung, Norhaniza Amil, Azwani Alias, Mohd Shahrul Mohd Nadzir, Mazrura Sahani, Maznorizan Mohammad, Mohd Firdaus Jahaya, Hanashriah Hassan, Farah Jeba, Norhayati Md Tahir, Sharifah Mastura Syed Abdullah. 2018. *Physicochemical factors and their potential sources inferred from longterm rainfall measurements at an urban and a remote rural site in tropical areas*. Science of the Total Environment, Volume 613-614 (2018), pp. 1401–1416. **ISI WoS, SCOPUS & ERA Indexed. IF 4.900 Q1.**
38. Mohd Shahrul Mohd Nadzir, Matthew J Ashfold, Md Firoz Khan, Andrew D Robinson, Conor Bolas, Mohd Talib Latif, Benjamin M Wallis, Mohammed Iqbal Mead, Haris Hafizal Abdul Hamid, Neil RP Harris, Zamzam Tuah Ahmad Ramly, Goh Thian Lai, Ju Neng Liew, Fatimah Ahamad, Royston Uning, Azizan Abu Samah, **Khairul Nizam Maulud**, Wayan Suparta, Siti Khalijah Zainudin, Muhammad Ikram Abdul Wahab, Mazrura Sahani, Moritz Müller, Foong Swee Yeok, Nasaruddin Abdul Rahman, Aazani Mujahid, Kenobi Isima Morris, Nicholas Dal Sasso, Spatial-temporal variations in surface ozone over Ushuaia and the Antarctic region: observations from in situ measurements, satellite data, and global models. 2018. *Environmental Science and Pollution Research*, Volume 25:3, pp. 2194-2210. **ISI WoS, SCOPUS & ERA Indexed. IF 2.741 Q2.**
39. Nur Adilla Che Samsuddin, Md Firoz Khan, **Khairul Nizam Abdul Maulud**, Ahmad Hazuwan Hamid, Fahia Tarannum Munna, Muhammad Aizat Ab Rahim, Mohd Talib Latif, Md. Akhtaruzzaman. 2018. *Local and transboundary factors' impacts on trace gases and aerosol during haze episode in 2015 El Niño in Malaysia*. Science of the Total Environment, Volume 613-614 (2018), pp. 1401–1416. **ISI WoS, SCOPUS & ERA Indexed. IF 4.900 Q1.**
40. Fazly Amri Mohd, **Khairul Nizam Abdul Maulud**, Othman A. Karim, Muhammad Afiq Ibrahim, Yannie Anak Benson & Ahmad Khairi Abd. Wahab, 2018, *Integrasi Kaedah Geospatial dan Pemodelan Hidrodinamik untuk Mengkaji Impak Kenaikan Aras Laut Terhadap Kawasan Pantai ((Integration of Geospatial Method and Hydrodynamic Modelling to Study the Impact of Sea Level Rise on the Coastal Area))*, Jurnal Kejuruteraan, Volume 30 (1) 2018, pp. 65-75. – **WOS (ESCI) Indexed**
41. Fazly Amri Mohd, **Khairul Nizam Abdul Maulud**, Rawshan Ara Begum, Siti Norsakinah Selamat & Othman A. Karim, 2018, *Impact of Shoreline Changes to Pahang Coastal Area by Using Geospatial Technology*, Sains Malaysiana, Volume 47(5)(2018): 991–997. **ISI WoS, SCOPUS & ERA Indexed. IF 0.47 Q3.**
42. Fazly Amri Mohd, **Khairul Nizam Abdul Maulud**, Othman A. Karim, Rawshan Ara Begum, Md Firoz Khan, Wan Shafrina Wan Mohd Jaafar, Sharifah Mastura Syed Abdullah, Mohd Ekhwan Toriman, Mohd Khairul Amri Kamarudin, Muhammad Barzani Gasim & Noorjima Abd Wahab, 2018, *An Assessment of Coastal Vulnerability of Pahang's Coast Due to Sea Level Rise*, International Journal of Engineering & Technology (UAE), Volume 7 (3.14) (2018) 176-180. **SCOPUS Indexed**.

43. Mohd Khairul Amri Kamarudin, Kabir Abdulkadir Gidado, Mohd Ekhwan Toriman, Hafizan Juahir, Roslan Umar, Noorjima Abd Wahab, Salisu Ibrahim, Suriyani Awang, **Khairul Nizam Abdul Maulud**, 2018, *Classification of land use/land cover changes using GIS and remote sensing technique in Lake Kenyir Basin, Terengganu, Malaysia*, International Journal of Engineering & Technology (UAE), Volume 7 (3.14) (2018) 12-15. **SCOPUS Indexed**.
44. Madihah Mohd Azhar, **Khairul Nizam Abdul Maulud**, Siti Norsakinah Selamat, Md Firoz Khan, Othman Jaafar, Wan Shafrina Wan Mohd Jaafar, Sharifah Mastura Syed Abdullah, Mohd Ekhwan Toriman, Mohd Khairul Amri Kamarudin, Muhammad Barzani Gasim, Hafizan Juahir, 2018, *Impact of shoreline changes to the coastal development*, International Journal of Engineering & Technology (UAE), Volume 7 (3.14) (2018) 191-195. **SCOPUS Indexed**.
45. Joseph B., Adiana G., Shazili N. A. M., Ong M. C., Juahir H., Shaari H., Yii M. W., M.K.A. Kamarudin, M.B. Gasim, **K.N.A. Maulud**, Mir Sujaul Islam, 2018, *The evaluation of Brunei Bay sediment cores sedimentation rate using 210Pb radiometric dating technique*, International Journal of Engineering & Technology (UAE), Volume 7 (3.14) (2018) 107-114. **SCOPUS Indexed**.
46. Mousa Hammad Abu Ghurah, Mohd Khairul Amri Kamarudin, Noorjima Abd Wahab, Hafizan Juahir, Muhammad Barzani Gasim, Fathurrahman Lananan, **Khairul Nizam Abdul Maulud**, Mohd Hafiz Rosli, Ahmad Shakir Mohd Saudi, Zairi Ismael Rizman, Mohd Saapi Mohd Zin, 2018, *Assessment of urban growth and sprawl using GIS and remote sensing techniques in South Ghor Region, Al-Karak, Jordan*, International Journal of Engineering & Technology (UAE), Volume 7 (3.14) (2018) 5-11. **SCOPUS Indexed**.
47. Md Firoz Khan, Mohd Talib Latif, Mazrura Sahani, Mohd Shahruh Mohd Nadzir, Lin Chin Yik, Hossain Mohammad Syedul Hoque, Haris Hafizal Abd Hamid, Muhammad Ikram A. Wahab, Fahia Tarannum Munna, Nowshad Amin, Halina Misran, Md Akhtaruzzaman, **Khairul Nizam Abdul Maulud**, Hafizan Juahir, Adiana Ghazali & Azimah Ismail, 2018, *Volatile organic compound analysis by sorbent tube-thermal desorption-gas chromatography: a review*, International Journal of Engineering & Technology (UAE), Volume 7 (3.14) (2018) 165 - 175. **SCOPUS Indexed**.
48. Wan Nur Amyliyana Wan Faizurie Zaidee, Ahmad Shakir Mohd Saudi, Mohd Khairul Amri Kamarudin, Mohd Ekhwan Toriman, Hafizan Juahir, Izuddin Fahmy Abu, Muaz Mahmud Nur Zahidah Shafii, **Khairul Nizam**, Rahmah Elfithri, 2018, *Flood risk pattern recognition using chemometric techniques approach in Golok River, Kelantan*, International Journal of Engineering & Technology (UAE), Volume 7 (3.14) (2018) 75 - 79. **SCOPUS Indexed**.
49. Fazly Amri Mohd, **Khairul Nizam Abdul Maulud**, Rawshan Ara Begum, Othman A. Karim, Md Firoz Khan, Siti Norsakinah Selamat, Abdul Aziz Ab Rahman, M Aizat Saiful Bahri, Sharifah Mastura Syed Abdullah, M Khairul Amri Kamarudin, M Barzani Gasim, Hafizan Juahir, 2018, *Variation of beach profile along Pahang coast in Malaysia*, International Journal of Engineering & Technology (UAE), Volume 7 (3.14) (2018) 196 - 201. **SCOPUS Indexed**.
50. Shahirah Hayati Mohd Salleh, Anizawati Ahmad, Wan Hanna Melini Wan Mohtar, Chai Heng Lim, **Khairul Nizam Abdul Maulud**, 2018, Effect of projected sea level rise on the hydrodynamic and suspended sediment concentration profile of tropical estuary, Regional Studies in Marine Science, Volume 24, 225 –236. **ISI WoS, SCOPUS Indexed**.
51. Wan Shafrina Wan Mohd Jaafar, Iain Hector Woodhouse, Carlos Alberto Silva, Hamdan Omar, **Khairul Nizam Abdul Maulud**, Andrew Thomas Hudak, Carine Klauberg, Adrián Cardil and Midhun Mohan, 2018, Improving Individual Tree Crown Delineation and Attributes Estimation of Tropical Forests Using Airborne LiDAR Data, Forest, 9(12), 759. **ISI WoS, SCOPUS & ERA Indexed. IF 1.951 Q1**.
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46. F. Arif, A. A. Ab Rahman, **K. N. Abdul Maulud** and A. H. Kamaludin, *Debunking Flat Earth: From Geomatics Perspective*, 2019 6th International Conference on Space Science and Communication (IconSpace), Johor Bahru, Malaysia, 2019, pp. 150-153. doi: 10.1109/IconSpace.2019.8905955 **ISI WoS & SCOPUS Indexed**
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48. IS A F Syed Abdul Rahman and **K N Abdul Maulud**, 2019, Approaching BIM-GIS Integration for 3D Evacuation Planning Requirement Using Multipatch Geometry Data Format, 4th International Conference on Research Methodology for Built Environment and Engineering 2019, IOP Conf. Series: Earth and Environmental Science 385 (2019) 012033, 24–25 April 2019, Chulalongkorn University, Thailand, **ISI WoS & SCOPUS Indexed**
49. **Khairul Nizam Abdul Maulud**, Fazly Amri Mohd, Othman A. Karim, Rawshan Ara Begum & Nor Aizam Adnan, 2019, *Assessment of Coastal Adaptation Due to Sea Level Rise Along The Cherating - Tanjung Agas Coastline, Malaysia*, Proceedings of the 2019 CWMD Conference, 19 September 2019 – 21 September 2019, Kumamoto University, Japan, pp 19-28.
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## **2020**

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55. F Mohamad Hamzah, S Bahari, H Tajudin, SM Syed Abdullah, **K N Abdul Maulud**, S F Mohd Razali & E S Ismail, 2020, Statistical analysis on physical and chemical parameters and heavy metal in marine water, Journal of Physics: Conference Series, 5<sup>th</sup> International Conference on Mathematical Applications in Engineering 30-31 October 2019, Putrajaya, Malaysia, 1489 (2020) 012036. **WoS & SCOPUS Indexed**

## LOCAL

1. Othman A. Karim, Sharifah Mastura S.A., Othman Jaafar, Zuriati Zakaria, Maimon Abdullah, Suraya Sahril, Mahamod Ismail, **Khairul Nizam** dan Mokhtar Jaafar 2003, Permodelan dan Integrasi Data Dalam Kajian Plum Sedimen - Kes Tadahan Klang Langat (Laporan Teknikal) , Prosiding Seminar IRPA RMK-7, Jilid II, pp. 206-210
2. Othman A. Karim, Kamarudin Abu Taib, Suraya Sharif, Roszilah Abdul Hamid, Noraini Hamzah, Nur Izzi Mohd Yusoff, Azrul Abdul Mutualib, **Khairul Nizam Abdul Maulud** & Shahrizan Baharom.2005. Pembudayaan ilmu dan perlaksanaan sistem mentor mentee di Jabatan Kejuruteraan Awam dan Struktur-satu analisis, Pascasidang Seminar Pengajaran & Pembelajaran Berkesan2005. Pusat Penerbitan dan Percetakan UKM, page 8-11
3. **Khairul Nizam A.M**, Norkhair I., 2005: Pembangunan Sistem Maklumat Perjalanan Pelancongan Berasaskan GIS, Proceeding of the Seminar Pengajian Siswazah FKSG 2005, Rumah Alumni, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia, 1 September 2005.
4. Zaaim bin Hasan, Othman A. Karim & **Khairul Nizam Abdul Maulud**, 2006, Kajian Datum and Impaknya Terhadap Titik Pangkal Negara (Trans:Chart Datum Study and Its Impact on Nation BasePoint), Prosiding Seminar Penyelidikan Siswazah 2006 (SPS2006), Pusat Penerbitan and Percetakan UKM, ISBN 983-2982-12X, pp. 9-12
5. Kurniawan, Othman A. Karim & **Khairul Nizam Maulud**, 2006, Permodelan Penorobosan Air Masin:Kajian Kes Kota Bharu, Kelantan (Trans: Modelling of Salinity Intrusion – Case Study at Kota Bharu, Kelantan), Prosiding Seminar Penyelidikan Siswazah 2006 (SPS2006), Pusat Penerbitan and Percetakan UKM, ISBN 983-2982-12X, pp. 45-48
6. **Khairul Nizam Abdul Maulud** and Norkhair Ibrahim, 2006, Kajian Penentuan Parameter Pemilihan Laluan Dan Analisis Jaringan Bagi Tujuan Pengembalaan Dengan Menggunakan GIS, Proceeding of Malaysian Universities Transport Research Forum Conference 2006 , ASSET KWSP Bangi, Selangor Malaysia, 4-5 December 2006.
7. Yusri, Othman A.Karim, **Khairul Nizam Abdul Maulud**& Mohd. Ekhwan Toriman, 2007, Pengaruh Perubahan Guna Tanah Terhadap Curahan Hujan dan Aliran Permukaan di Kawasan Tadahan Sungai Siak Pekan Baru, Prosiding Seminar Penyelidikan Siswazah 2007, Pusat Penerbitan and Percetakan UKM, ISBN 978-983-2982-15 X, pp. 59-64
8. Yusri, Othman A.Karim, **Khairul Nizam Abdul Maulud**& Mohd. Ekhwan Toriman, 2007, Analisis Perubahan Guna Tanah Kawasan Tadahan Sungai Siak Pekan Baru Menggunakan Sistem Maklumat Geografi (GIS), Prosidang Kejuruteraan Awan UKM, Seminar Teknikal JKAS-JPZ 2007, Jurutera Perunding Zaaba Sdn. Bhd., 24 October 2007, ISBN 976-963-42648-2-6, pp.67-78. – Winner of Information paper
9. Riza Atiq Abdullah OK Rahmat, Mohd. Yazmil Md. Yatim, **Khairul Nizam Abdul Maulud**, Nur Izzi Md. Yusoff dan Azrul A. Mutualib, 2007, Projek Rekabentuk Asas (Cornerstone) Dalam Pembinaan Kompetensi Pelajar, Pascasidang Seminar Pendidikan Kejuruteraan dan Alam Bina 2007, Pusat Penerbitan dan Percetakan UKM.
10. Azrul A. Mutualib, **Khairul Nizam Abdul Maulud**, Nur Izzi Mohd. Yusoff, Riza Atiq. A. Rahmat dan Zamri Chik, 2007, Kajiiselidik Keluar Pencapaian Hasil Program(HP) Dari Persepsi Pelajar Tahun Akhir Jabatan Kejuruteraan Awam Dan Struktur Sesi 2006/2007, Pascasidang Seminar Pendidikan Kejuruteraan dan Alam Bina 2007, Pusat Penerbitan dan Percetakan UKM.
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12. **Khairul Nizam Abdul Maulud**, Nasrul Ikhwan Baba, Norhan Mat Yusoff dan Mohd Razif Sumairi, 2009, Pembelajaran Awal Penderiaan Jauh Dan GPS Kepada Pelajar Sains Dan Kejuruteraan Di Malaysia, Prosidang Seminar Pendidikan Kejuruteraan dan Alam Bina 2009 (PEKA2009), pp.143-150, Pusat Penerbitan dan Percetakan UKM.
13. Mohd Ekhwan Toriman, Othman Jaafar, **Khairul Nizam Abdul Maulud**, Sharifah Mastura Syed Abdullah and Nor Azlina Abdul Aziz, 2010, Modelling Flood Inundation In Sungai Pulai Catchment Using Hydraulic And GIS Simulation, Proceeding Of First National Conference On Natural Resources (Ncnr 2010), Universiti Malaysia Kelantan
14. Md Pauzi Abdullah, Rahmah Elfithri, Syafinaz Salleh, Syamimi Halimshah, Ahmad Abas Kutty, **Khairul Nizam Abdul Maulud**, Lee Yook Heng, Maimon Abdullah, Ahmad Fuad Embi, Othman Karim, Mazlin Mokhtar, 2016, Integrated River Basin Management (IRBM) Approach to Support Flood Disaster Strategy for Pahang River Basin, Persidangan Kajian Bencana Banjir 2014, 04/04/2016-06/04/2016, Pullman Putrajaya Lakeside. Putrajaya.

15. Muhammad Afiq Ibrahim, **Khairul Nizam Abdul Maulud**, Fazly Amri Mohd, Mohd Radzi Abdul Hamid, Nor Aslinda Awang, 2018, *Study on Coastal Vulnerability Index (CVI) for Selangor coastal area*, IPI Research Colloquium 2017, Volume 1 (2018): 4-6, 1<sup>st</sup> October 2017 – 3<sup>rd</sup> October 2017, Felda Residence Trolak, Perak, Malaysia.
16. Abdul Aziz Ab Rahman, **Khairul Nizam Abdul Maulud**, Othman Jaafar, 2018, Possibility of UAV application to monitor shoreline changes, IPI Research Colloquium 2017, Volume 1 (2018): 1-3, 1<sup>st</sup> October 2017 – 3<sup>rd</sup> October 2017, Felda Residence Trolak, Perak, Malaysia.
17. Muhammad Aqiff Abdul Wahid, **Khairul Nizam Abdul Maulud**, Mohd Aizat Saiful Bahri, Muhammad Amartur Rahman & Othman Jaafar, 2018, GIS-integrated infrastructure asset management system, IPI Research Colloquium 2017, Volume 1 (2018): 7-11, 1<sup>st</sup> October 2017 – 3<sup>rd</sup> October 2017, Felda Residence Trolak, Perak, Malaysia.
18. Shahirah Hayati Mohd Salleh, Wan Hanna Melini Wan Mohtar, **Khairul Nizam Abdul Maulud**, Nor Aslinda Awang, 2018, Determining the probability of sediment resuspension in the east coast of peninsular malaysia through wind analysis, IPI Research Colloquium 2017, Volume 1 (2018): 49-52, 1<sup>st</sup> October 2017 – 3<sup>rd</sup> October 2017, Felda Residence Trolak, Perak, Malaysia.
19. Fazly Amri Mohd, **Khairul Nizam Abdul Maulud**, Othman A. Karim, Rawshan Ara Begum, 2018, Assessing the accuracy of hydrodynamic parameters using statistical approaches, IPI Research Colloquium 2017, Volume 1 (2018): 91-94, 1<sup>st</sup> October 2017 – 3<sup>rd</sup> October 2017, Felda Residence Trolak, Perak, Malaysia.
20. Siti Norsakinah Selamat, **Khairul Nizam Abdul Maulud**, Othman Jaafar, 2018, Assessing of shoreline changes by using geospatial technique, IPI Research Colloquium 2017, Volume 1 (2018): 12-15, 1<sup>st</sup> October 2017 – 3<sup>rd</sup> October 2017, Felda Residence Trolak, Perak, Malaysia.

## 6. SELECTED RECENT GRANTS

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Abdul Maulud, KN et al (2017-2018), Trend Analysis Of Sea Level Rise In Peninsular Malaysia Via Statistical Approaches. UKM-YSD Climate Change Chair. RM 20,000. (co-PI)

Abdul Maulud, KN et al (2017-2018), Geospatial Analysis of forensically important flies in Bandar Baru Bangi and its surrounding areas using Geographical Information Systems (GIS). Incentive Grant for Young Researchers, UKM . RM 25,000 (co-PI)

Abdul Maulud, KN et al (2016-2018), Assessing Coastal Vulnerability due to climate change towards sustainable community in Malaysia. Research University Grant. RM 350,000 (co-PI)

Abdul Maulud, KN et al (2016-2018), Variation and Health Impact of ground-level ozone in Malaysia: Mitigation Procedures and Future Policy Implementation. Research University Grant. RM 350,000 (co-PI)

Abdul Maulud, KN et al (2016-2019), Physical impacts of sea level rise due to the changes in coastal and climate system. Transdisciplinary Research Grant Scheme, MOHE. RM 207,800(co-PI)

Abdul Maulud, KN et al (2017-2018), Identifying The Impacted Area Of The Central Forest Spine By Using Temporal Satellite Image. UKM-YSD Climate Change Chair. RM 20,000(PI)

Abdul Maulud, KN et al (2014-2016), The impacts, adaptation and Vulnerability of climate change due to changes in coastal systems, Research University Grant. RM 70,000 (PI)

Abdul Maulud, KN et al (2016-2019), Economic Analysis of Coastal Vulnerability to Sea Level Rise and Cost Benefit Analysis of Climate Change Adaptation Measures in the Coastal Areas. Transdisciplinary Research Grant Scheme, MOHE. RM 199,800 (PI)

Abdul Maulud, KN et al (2018-2020), Carbon Loss Assessment from Tropical Forest Degradation Caused by Selective Logging Using High Resolution Satellite Imagery, Research University Grant-GUP, RM 60,000 (PI)

Abdul Maulud, KN et al (2018-2020), Assessing Impact of Forest Degradation and Forest Change Caused by Selective Logging Using High Resolution Satellite Image and UAV Multispectral, Research University Grant-DIP, RM 100,000 (PI)

Abdul Maulud, KN et al (2019), Environment Data Programme, MESTECC, RM 499,600 (PI)

Abdul Maulud, KN et al (2019), Study of Loading Analysis and Carrying Capacity for pollution at Pasir Gudang, Johor MESTECC, RM 70,000 (PI)

Abdul Maulud, KN et al (2019) Improving Consumers' Knowledge and Perception of Sustainable Palm Oil Production for Biodiversity Conservation, Translational Research - TR@M, Ministry of Education, RM 100,000.00 (co-PI).

Abdul Maulud, KN et al (2019-2020), Secure Geo-spatial monitoring and preventive Apps in managing drug and polydrug activities in selected 178 hot spots, Long Term Research Grant Scheme (LRGS), Ministry of Education, RM 468,800.00 (co-PI).

## 7. SUPERVISION

Supervision	Number of Student			
	PhD		Masters	
	Completed	In-progress	Completed	In-progress
	5	12	8	5

### Phd

No.	Name	Title	Status
1.	Parisa Shah Mohamadi Moharam Ali (P45949),	Mitigating Urban Heat Island Effects in Tehran Metropolitan Area : The Case of 6 Urban District	Graduated (2012)
2.	Leila Ooshaksaraie (P37154),	An Expert System To Minimize River Pollution During Construction Activities : Case Studies I Housing And New Township Projects In Malaysia	Graduated (2010)
3.	Yusri (P32721)	Effect of Land Use Change on Rainfall and Surface Flow at Siak River Catchment in Pekanbaru <i>Pengaruh Perubahan Guna Tanah Terhadap Curahan Hujan Dan Aliran Permukaan Di Kawasan Tadahan Sungai Siak Pekanbaru</i>	Graduated (2010)
4.	Abdul Rahman Mahmud (P72531)	Formative evaluation for implementation package of EIA improvements in terms of soil erosion and sedimentation control <i>Penilaian Formatif terhadap pelaksanaan pakej penambahbaikan EIA dalam aspek kawalan hakisan tanah dan sedimentasi</i>	Graduated (2018)
5.	Fazly Amri Bin Mohd (P86115)	Assessing Coastal Vulnerability Due To Climate Change Towards Sustainable Community In Malaysia: A Case Study At Cherating To Pekan	Graduated (2019)
6.	Aina Izzati bt Md. Rashid (P78655)	Effectiveness Of Pressure Management In Water Supply System Towards Non Revenue Water (NRW) Reduction	Ongoing
7.	Roslina bt Md Rasidi (P62244)	Development of a Prototype Expert System for Rehabilitation of Landfill Sites	Ongoing
8.	Shahirah Hayati Mohamed Salleh (P75448)	Prediction Of Shoreline Change A Coastal Erosion Modelling Analysis	Ongoing
9.	Sofia Binte Ehsan (P80047)	Economic Assessment of Climate change adaptation in the coastal and water resources sector: A case study of Batu Pahat, Johor Bahru	Ongoing
10.	Taranjeet Kaur a/p Awtar Singh (15ADD08063) <i>(Universiti Tunku Abdul Rahman)</i>	Identification of Areas of Occurrence, Census and Genetic Diversity using Genetic Markers of Tomistoma Schlegelii in Peninsular Malaysia	Ongoing
11.	Mohd Faisal Bin Zaini (P88694)	Analisis Ruangan Insiden Kemiskinan Di Negeri Perlis	Ongoing

12.	Ahmad Roslan Bin Hairudin (P92790)	Kerangka Penilaian Prestasi Fizikal Aset Bangunan Di Bandar Petaling jaya Selangor	Ongoing
13.	Samera Binti Samsuddin Sah (P94784)	Impact of sea level rises to the paddy production along the coastal line	Ongoing
14.	Siti Nor Maizah Binti Saad (P95200)	Carbon Loss Assessment from Tropical Forest Degradation Caused by Selective Logging Using High Resolution Satellite Imagery	Ongoing
15.	Shaban Aldhshan (P97642)	Appreciation Solar Energy Consumption Using 3D GIS Model	Ongoing
16.	Munirah Mohd Fadzil (P99954)	Analisis Statistik Keatas Kesan Signifikan Parameter Perubahan Iklim Terhadap Kenaikan Paras Laut Di Selangor, Malaysia Menggunakan Kaedah Ko-Integrasi	Ongoing
17.	Nur Fatma Fadilah Yaacob (P102543)	Emission of Carbon Dioxide Affecting Global Warming: Transportation Industry	Ongoing

**MSc**

No.	Name	Title	Status
1.	Khairil Mahmud (P43203),	Habitat Classification and Mapping at Tasik Chini Basin, Pahang <i>Pengelasan dan Pemetaan Habitat di Lembangan Tasik Chini, Pahang</i>	Graduated (2010)
2.	Cmdr Zaim Hasan (P32819)	Study of Chart Datum for Basepoint Determination <i>Kajian Datum Carta Dalam Penentuan Titik Pangkal</i>	Graduated (2010)
3.	Hamizah Binti Ahmad (P81467)	Kajian hidrodinamik bagi pengesanan kesan dan impak hakisan pantai	Graduated (2018)
4.	Nur Zukrina Bt Zuhairi (P91125)	Comparison Analysis of Water Quality of Kelantan River during Dry and Wet Season <i>Analisis Perbandingan Kualiti Air Sungai Kelantan pada Musim Kemarau dan Musim Tengkujuh</i>	Graduated (2018)
5.	Siti Norsakinah Bt Selamat (P88580)	Assessment of Shoreline Change Using Digital Shoreline Analysis System Techniques (DSAS) <i>Penilaian Perubahan Garis Pantai Dengan Menggunakan Teknik Sistem Analisis Garis Pantai Digital (DSAS)</i>	Graduated (2019)
6.	Nor Asmida bt Mohd Nasir (P84144)	Kajian permodelan penentuan tenaga ombak di laut cetek dan pengkormersialan tenaga ombak di pulau-pulau yang berada di pantai timur semenanjung malaysia	-
7.	Abdul Aziz Bin Ab Rahman (P90513)	Determining Coastal Profile Changes Through Unmanned Aerial Vehicles (UAVs) <i>Penentuan Perubahan Profil Pesisiran Pantai Melalui Pendekatan Kendaraan Udara Tanpa Pemandu (UAV)</i>	Graduated (2019)
8.	Nor Faizah Saudin (P95333)	Impak Aktiviti Pertanian di Tanah Tinggi Loging Melalui Penilaian Kualiti Air Sungai	Graduated (2019)
9.	Syed Ahmad Fadhli bin Syed Abdul Rahman (P94717)	BIM-GIS Integration for Emergency Response Application in UKM	Graduated (2020)
10.	Muhammad Aqiff Bin Abdul Wahid (P90480)	Pengurusan Aset Infrastruktur Menggunakan Intergrasi GIS melalui Aplikasi Web dan Mobil	Ongoing
11.	Faiz Bin Arif (P93174)	Generating the Digital Elevation Model Through Aerial Technique	Ongoing
12.	Nurul A'Idah Bte Abd Rahim (P99882)	Kajian Impak Kenaikan Aras Laut Terhadap Ciri-Ciri Hidrodinamik Di Bawah Pengaruh Aruhan Pasang Surut Di Sepanjang Persisiran Pantai Selangor	Ongoing

<b>13.</b>	Aisyah Marliza Muhamad Kamarulzaman (P103420)	Carbon Loss Assessment from Tropical Forest Degradation Caused by Selective Logging Using High Resolution Satellite Imagery	Ongoing
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