

Senarai Penerbitan LESTARI 2022

Buku

1. **Goh Choo Ta, Mazlin Mokhtar & Mahathir Amir.** 2022. For Now For Ever: Protect the Environment We Must. Bangi: Penerbit UKM.
2. **Joy Jacqueline Pereira, Mohd Khairul Zain & Rajib Shaw.** 2022. Climate change adaptation in Southeast Asia. Singapore: Springer.
3. Norhayati Ahmad, **Daraputri Razali & Ibrahim Komoo.** 2022. Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat. Bangi: Penerbit UKM.
4. Raja Zaidatul Akhmar Raja Jamaluddin, Lee Yook Heng & **Tan Ling Ling,** Chong Kwok Feng. 2022. Peranan dan Prospek Grafena dalam Teknologi Biosensor. Bangi: Penerbit UKM.
5. **Saiful Arif Abdullah,** Amin Setyo Leksono & Sun-Kee Hong. 2022. Conserving Biocultural Landscape in Malaysia and Indonesia for Sustainable Development. Singapore: Springer.

Bab Dalam Buku

1. **Chamhuri Siwar, Rospidah Ghazali & Mohammed Ibrahim.** 2022. Agriculture and Food Security. Dlm. Rajah Rasiah, Kamal Salih & Cheong Kee Cheok (penyt.) *Malaysia's Leap into the Future*, hlm 117-139. Singapura: Springer.
2. **Goh Choo Ta, Mazlin Mokhtar & Lee Khai Ern.** 2022. Chemical Governance. Dlm. Goh Choo Ta, Mazlin Mokhtar & Mahathir Amir (penyt.) *For Now For Ever: Protect the Environment We Must*, hlm 99-117. Bangi: Penerbit UKM.
3. **Goh Choo Ta & Thahirah Kamarulzaman.** 2022. Chemicals management in Malaysia: synergizing stewardship and commitments. Dlm. Department of Environment Malaysia (penyt.) *Together, Protecting the Environment: Synergizing Stewardship and Commitments*, hlm. 266 -279. Putrajaya: DOE.
4. **Deivaseeno Dorairaj,** Nisha Govender & Normaniza Osman. 2022. Soil and Water Bioengineering Technique for Urban Forestry and Mitigation of Natural Hazards: An Interdisciplinary Research Perspective. Dlm. Sreetheran Maruthaveeran, Wendy Chen & Justin Morgenroth (penyt.) *Urban Forestry and Arboriculture in Malaysia: An Interdisciplinary Research Perspective*, hlm. 2015-221. Singapore: Springer.
5. **Ibrahim Komoo.** 2022. Alam Sekitar Pemacu Muafakat Nasional. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 24-28. Bangi: Penerbit UKM.
6. **Ibrahim Komoo.** 2022. Banjir Besar Di Malaysia. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 24-28. Bangi: Penerbit UKM.
7. **Ibrahim Komoo.** 2022. Benarkah Pembalakan Punca Banjir Besar?. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 148-151. Bangi: Penerbit UKM.
8. **Ibrahim Komoo.** 2022. COVID-19 dan Alam Sekitar. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 131-133. Bangi: Penerbit UKM.
9. **Ibrahim Komoo.** 2022. Dasar Payung Pembangunan Alam Sekitar. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 19-23. Bangi: Penerbit UKM.

10. **Ibrahim Komoo.** 2022. Hari Malaysia dan Kelestarian. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 33-36. Bangi: Penerbit UKM.
11. **Ibrahim Komoo.** 2022. Kemerdekaan dan Tindakan Lestari. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 29-32. Bangi: Penerbit UKM.
12. **Ibrahim Komoo.** 2022. Krisis Air Kedah dan Pulau Pinang. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 29-32. Bangi: Penerbit UKM.
13. **Ibrahim Komoo.** 2022. Pelan Transformasi Industri Mineral Negara. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 37-40. Bangi: Penerbit UKM.
14. **Ibrahim Komoo.** 2022. Pencemaran sisa toksik di Malaysia. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 51-54. Bangi: Penerbit UKM.
15. **Ibrahim Komoo.** 2022. Sumber Asli dalam Pembangunan Negara. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 41-44. Bangi: Penerbit UKM.
16. **Ibrahim Komoo.** 2022. Sungai Nadi Kehidupan Manusia. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 137-140. Bangi: Penerbit UKM.
17. **Ibrahim Komoo.** 2022. Unsur Nadir Bumi di Malaysia. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 112-115. Bangi: Penerbit UKM.
18. **Ku Adriani, Goh Choo Ta & Mazlin Mokhtar.** 2022. Water Quality. Dlm. Goh Choo Ta, Mazlin Mokhtar & Mahathir Amir (penyt.) *For Now For Ever: Protect the Environment We Must*, hlm 66-80. Bangi: Penerbit UKM.
19. **Joy Jacqueline Pereira & Mohd Khairul Zain.** 2022. Climate change adaptation in Malaysia. Dlm. Joy Jacqueline Pereira, Mohd Khairul Zain & Rajib Shaw (penyt.) *Climate change adaptation in Southeast Asia*, hlm. 103-116. Singapura: Springer.
20. **Joy Jacqueline Pereira & Rajib Shaw.** 2022. Southeast Asia: An Outlook on Climate Change. Dlm. Joy Jacqueline Pereira, Mohd Khairul Zain & Rajib Shaw (penyt.) *Climate change adaptation in Southeast Asia*, hlm. 1-24. Singapura: Springer.
21. **Lee Jing, Sharina Abdul Halim & Tanot Unjah.** 2022. Sustainable GeoHeritage Tourism: Bridging GeoHeritage and Culture Through the UNESCO Global Geopark Framework. Dlm. Saiful Arif Abdullah, Amin Setyo Leksono & Sun-Kee Hong (penyt.) *Conserving Biocultural Landscapes in Malaysia and Indonesia for Sustainable Development*, hlm. 77-98. Singapura: Springer.
22. **Lee Khai Ern.** 2022. Green Technology. Dlm. Goh Choo Ta, Mazlin Mokhtar & Mahathir Amir (penyt.) *For Now For Ever: Protect the Environment We Must*, hlm 167-209. Bangi: Penerbit UKM.
23. **Lee Khai Ern & Mazlin Mokhtar.** 2022. Non-point source pollution: issues & challenges in Malaysia. Dlm. Department of Environment Malaysia (penyt.) *Together, Protecting the Environment: Synergizing Stewardship and Commitments*, hlm. 209-226. Putrajaya: DOE.
24. **Lee Khai Ern, Mazlin Mokhtar, Rasyidah Md Khalid, Thian Lai Goh, Norbert Simon & Kylie Ching Mun Wang.** 2022. Strategies for a low carbon island towards climate change adaptation and mitigation (Goal 13). Dlm. Rasyidah Md Khalid & Ainul Jaria Maidin (penyt.) *Good Governance and the Sustainable Development Goals in Southeast Asia*, hlm 155-165. London: Routledge.

25. **Mohamad Mahathir Amir Sultan & Goh Choo Ta.** 2022. Waste Management. Dlm. Goh Choo Ta, Mazlin Mokhtar & Mahathir Amir (penyt.) *For Now For Ever: Protect the Environment We Must*, hlm 81-98. Bangi: Penerbit UKM.
26. **Mohamad Mahathir Amir Sultan, Goh Choo Ta & Mazlin Mokhtar.** 2022. Environment & Development. Dlm. Goh Choo Ta, Mazlin Mokhtar & Mahathir Amir (penyt.) *For Now For Ever: Protect the Environment We Must*, hlm 15-21. Bangi: Penerbit UKM.
27. Mufaro Chitsa, Subarna Sivapalan & **Lee Khai Ern.** 2022. Communities, Organizations, and Partnerships for Climate Change Mitigation and Disaster Reduction. Dlm. Aeid Eslamian & Faezeh Eslamian (penyt.) *Disaster Risk Reduction for Resilience: Disaster and Social Aspects*, hlm 407-416. Singapura: Springer.
28. **Mazlin Mokhtar & Minhaz Farid Ahmed.** 2022. Religious Responses to Climate Change and Environmental Degradation. Dlm. Shaikh Mohd Saifuddeen (penyt.) *Religious Responses to Climate Change and Environmental Degradation*, hlm. 37-49. Kuala Lumpur: IKIM.
29. **Mazlin Mokhtar & Minhaz Farid Ahmed.** 2022. Collaborative environmental management: local government and the community. Dlm. Department of Environment Malaysia (penyt.) *Together, Protecting the Environment: Synergizing Stewardship and Commitments*, hlm. 407-425. Putrajaya: DOE.
30. **Minhaz Farid Ahmed**, Norhazni Mat Sari, **Mazlin Mokhtar** & Mohd Helmi Ahmad. 2022. Malaysia without water pollution: are we dreaming the impossible?. Dlm. Department of Environment Malaysia (penyt.) *Together, Protecting the Environment: Synergizing Stewardship and Commitments*, hlm. 177-207. Putrajaya: DOE.
31. Norhayati Ahmad & **Ibrahim Komoo.** 2022. Khazanah Biologi dan Kepentingannya. Dlm. Norhayati Ahmad, Daraputri Razali & Ibrahim Komoo (penyt.). *Alam Sekitar dan Kelestarian: Ilmu untuk Masyarakat*, hlm 77-80. Bangi: Penerbit UKM.
32. **Rahmah Elfithri, Nik Mohd Noor Faizul Md Saad**, Wan Nur'ashiqin Wan Mohamad & Nurlina Mohamad Ramzan. 2022. Water, River and People (Module Series 1). Dlm. Nabsiah Wahid, Janmaizatulriah Jani & Mohd Fuad Shukor (penyt.) *Water watch Programme For Young Leaders*, hlm. 13-26: Kelantan: Penerbit UMK.
33. **Rd Puteri Khairani Khirotdin & Ahmad Aldrie Amir.** 2022. Urbanisation and Industrialisation. Dlm. Goh Choo Ta, Mazlin Mokhtar & Mahathir Amir (penyt.) *For Now For Ever: Protect the Environment We Must*, hlm 22-50. Bangi: Penerbit UKM.
34. **Rospidah Ghazali**, Nor Zuriati Amani Abd. Rani & Mohd. Khairi Ismail. 2022. Inclusive Development & Equality Society: Multidimensional Vulnerability of B40 Households and Intervention. Dlm. Rasyikah Md. Khalid & Ainul Jaria Maidin (penyt.) *Good Governance and the Sustainable Development Goals in Southeast Asia*, hlm. 118-131. London: Routledge.
35. **Saiful Arif Abdullah** & Amin Setyo Leksono. 2022. Conserving Biocultural Landscapes in Malaysia and Indonesia for Sustainable Development. Dlm. Saiful Arif Abdullah, Amin Setyo Leksono & Sun-Kee Hong (penyt.) *Conserving Biocultural Landscapes in Malaysia and Indonesia for Sustainable Development*, hlm. 223-232. Singapura: Springer.
36. **Saiful Arif Abdullah**, Amin Setyo Leksono & Sun-Kee Hong. 2022. Introduction: Context of the Book. Dlm. Saiful Arif Abdullah, Amin Setyo Leksono & Sun-Kee Hong (penyt.) *Conserving Biocultural Landscapes in Malaysia and Indonesia for Sustainable Development*, hlm. 1-12. Singapura: Springer.
37. **Sharina Abdul Halim.** 2022. Engaging Community towards Ensuring Inclusivity in Sustainable Development Action. Dlm. Goh Choo Ta, Mazlin Mokhtar & Mahathir Amir (penyt.) *For Now For Ever: Protect the Environment We Must*, hlm 157-175. Bangi: Penerbit UKM.
38. **Sharina Abdul Halim, Tanot Unjah, Norhayati Ahmad & Ibrahim Komoo.** 2022. Understanding Micro-experiences of Heritage Conservation in an Island-based Tourism Development: A Case of

- Kubang Badak BioGeoTrail, Langkawi UNESCO Global Geopark, Kedah, Malaysia. Dlm. Saiful Arif Abdullah, Amin Setyo Leksono & Sun-Kee Hong (penyt.) *Conserving Biocultural Landscapes in Malaysia and Indonesia for Sustainable Development*, hlm. 111-126. Singapura: Springer.
39. **Tanot Unjah**. 2022. Environmental conservation. Dlm. Goh Choo Ta, Mazlin Mokhtar & Mahathir Amir (penyt.) *For Now For Ever: Protect the Environment We Must*, hlm 228-246. Bangi: Penerbit UKM.
 40. Wan Daraputri Razali & Murnira Othman. 2022. Air Quality. Dlm. Goh Choo Ta, Mazlin Mokhtar & Mahathir Amir (penyt.) *For Now For Ever: Protect the Environment We Must*, hlm 51-65. Bangi: Penerbit UKM.
 41. Zakaria Hashim & **Saiful Arif Abdullah**. 2022. The Importance of Biocultural Landscape Concept in Managing Protected Area: A Case of Tasek Bera, Pahang State, Malaysian Peninsular. Dlm. Saiful Arif Abdullah, Amin Setyo Leksono & Sun-Kee Hong (penyt.) *Conserving Biocultural Landscapes in Malaysia and Indonesia for Sustainable Development*, hlm. 51-61. Singapura: Springer.
 42. Zanisah Man & **Sharina Abdul Halim**. 2022. Weaving the Semelai Knowledge-Practice-Belief: Traditional Ecological Knowledge and Farming in Tasek Bera, Pahang State, Peninsular Malaysia. Dlm. Saiful Arif Abdullah, Amin Setyo Leksono & Sun-Kee Hong (penyt.) *Conserving Biocultural Landscapes in Malaysia and Indonesia for Sustainable Development*, hlm. 143-160. Singapura: Springer.

Jurnal/ Journals

1. Aaron Ignatius, Sze Lynn Teo, Wan Muhammad Aiman Hazimin, Fahninazirah Ahmad, Aeinaa Shida, Rafidah Hod, Hanizah Mohd Yusoff, **Ahmad Fariz Mohamed** & Rozita Hod. 2022. Knowledge and attitude of Universiti Kebangsaan Malaysia(UKM) medical students on forest bathing. Knowledge and attitude of Universiti Kebangsaan Malaysia(UKM) medical students on forest bathing. *International Journal of Public Health Research* 12(1): 1571-1578.
2. Abhinay Singh Rajawat, Sanjeev Singh, Brijesh Gangil, Lalit Ranakoti, Shubham Sharma, Muhammad Rizal Muhammad Asyraf & **Muhammad Rizal Razman**. 2022. Effect of marble dust on the mechanical, morphological, and wear performance of basalt fibre-reinforced epoxy composites for structural applications. *Polymers* 14: 1-16.
3. Afiq Farhan Abdul Rahim, Abdul Ghani Md Rafek, Ailie Sofyiana Serasa, Rini Asnida Abdullah, Afikah Rahim, Wan Salmi Wan Harun, Foong Swee Yeok, Muslim Abdurrahman, **Lee Khai Ern**, Nguyen Xuan Huy, Tran Van Xuan & Goh Thian Lai. 2022. Application of a Comprehensive Rock Slope Stability Assessment Approach for Selected Malaysian Granitic Rock Slopes. *Sains Malaysiana* 51(2): 421-436.
4. AINU SHAHIRAH MAHMAD TOHER, NISHA GOVENDER, **Deivaseeno Dorairaj** & Mui Yun Wong. 2022. Effects of silica soil amendment against *Exserohilum rostratum* the fungal pathogen of rice brown spot disease in Peninsular Malaysia. *Scientific Reports* 12: 1-12.
5. Alwin Long, **Mazlin Mokhtar, Minhaz Farid Ahmed & Chen Kim Lim**. 2022. Enhancing sustainable development via low carbon energy transition approaches. *Journal of Cleaner Production* 379: 1-15.
6. Anas Ahmad Jamhari, Mohd Talib Latif, Muhammad Ikram A.Wahab, Hanashriah Hassan, **Murnira Othman**, Haris Hafizal Abd Hamid, Perapong Tekasakul, Worrador Phairuang, Mitsuhiko Hata, Masami Furuchi, Nor Fadilah Rajab. 2022. Seasonal variation and size distribution of inorganic and carbonaceous components, source identification of size-fractioned urban air particles in Kuala Lumpur, Malaysia. *Chemosphere* 287(4): 1-10.

7. Ashraf Zohud & **Lubna Alam**. 2022. A review of groundwater contamination in west bank, Palestine: quality, sources, risks, and management. *Water* 14: 1-20.
8. Asif Raihan, Rawshan Ara Begum, Mohd Nizam Mohd Said & **Joy Jacqueline Pereira**. 2022. Dynamic impacts of energy use, agricultural land expansion, and deforestation on CO2 emissions in Malaysia. *Environmental and Ecological Statistics* 29: 477-507.
9. Asif Raihan, Rawshan Ara Begum, Mohd Nizam Mohd Said & **Joy Jacqueline Pereira**. 2022. Relationship between economic growth, renewable energy use, technological innovation, and carbon emission toward achieving Malaysia's Paris agreement. *Environment Systems and Decisions* 42:586-607.
10. Azrina Azlan, Sharmin Sultana, Chan Suk Huei & **Muhammad Rizal Razman**. 2022. Antioxidant, anti-obesity, nutritional and other beneficial effects of different chili pepper: A review. *Molecules* 27(3): 1-11.
11. B. Clough; **Ahmad Aldire Amir**; V.C.Chong; N.C.Duke; C.D.Field; B.Kjerfve; S.Y.Lee; A.Sasekumar; S.C.Wong; J.W.H.Yong & W.K.Gong. 2022. Obituary Dr. Ong Jin Eong (August 28, 1943 - August 5, 2021). *Estuarine, Coastal and Shelf Science* 266: 1-2.
12. Baharuddin Haslawati, Ibrahim Saadiah, Razman Pahri Siti-Dina, **Murnira Othman** & Mohd Talib Latif. 2022. Environmental Assessment of Giant Freshwater Prawn, *Macrobrachium rosenbergii* Farming through Life Cycle Assessment. *Sustainability* 14:1-18.
13. Cassandra M. Brooks, David G. Ainley, Jennifer Jacquet, Steven L. Chown, Luis R. Pertierra, Elizabeth Francis, Alex Rogers, Vasco Chavez-Molina, Louise The & U. **Rashid Sumaila**. 2022. Protect global values of the Southern Ocean ecosystem: Climate change and fishing present dual threats. *Science* 378(6619): 477-479.
14. Che Siti Noor Koh Poh Lee, Rabieahatul Abu Bakar, **Sarah Aziz** & Mohd. Raihan Taha. 2022. Pengurusan risiko bencana tanah runtuh di semenanjung malaysia (disaster risk management in peninsular Malaysia). *Bulletin of the Geological Society of Malaysia* 73: 23-33.
15. Christina C. Hicks, Jessica A. Gephart, J. Zachary Koehn, Shinnosuke Nakayama, Hanna J. Payne , Edward H. Allison , Dyhia Belhbib, Ling Cao, Philippa J. Cohen, Jessica Fanzo, Etienne Fluet-Chouinard, Stefan Gelcich, Christopher D. Golden, Kelvin D. Gorosp & **Rashid Sumaila**. 2022. Rights and representation support justice across aquatic food systems. *Nature Food* 3: 851-861.
16. **Deivaseeno Dorairaj**, Nisha Govender, Sarani Zakaria & Ratnam Wickneswari. 2022. Green synthesis and characterization of UKMRC 8 rice husk derived mesoporous silica nanoparticle for agricultural application. *Scientific Reports* 12: 1-11.
17. E. I. Ahmad-Kamil, **Sharifah Zarina Syed Zakaria** & **Murnira Othman**. 2022. What teachers should know for effective marine litter education: A scoping review. *Sustainability* 14: 1-21.
18. Eka Safitri, Lee Yook Heng, Musa Ahmad, **Tan Ling Ling**, Nazaruddin Nazaruddin, Khairi Suhud, Chew Poh Chiang & Muhammad Iqhrammullah. 2022. Electrochemical DNA biosensor based on mercaptopropionic acid-capped ZnS quantum dots for determination of the gender of arowana fish. *Biosensors* 12:1-16.
19. Esther Gnanamalar Sarojini Daniel, Subarna Sivapalan, **Lee Khai Ern** & Thiagarajan Nadeson. 2022. The missing pedagogical link for Malaysian environmental citizenship: an emerging model of interconnectedness of knowledge domains and values mediation. *Journal of International and Comparative Education* 11(1): 1-21.
20. Farhah Izzati Zubir, **Ahmad Fariz Mohamed**, **Shaharuddin Mohamad Ismail** & **Nik Mohd. Noor Faizul Md. Saad**. 2022. Nurturing eco-volunteerism among the Universiti Kebangsaan Malaysia students through Ecosystem Discovery Journey. *Malayan Nature Journal* 74(4): 1-13.
21. **Goh Choo Ta**, Noorazman Soud, Kasman Nasir, Fairuz Anwar Abdullah, Masli Irwan Rosli, Darman Nordin, Jarinah Mohd Ali, Syazwani Mohd Fadzil, Nurul Izzaty Hassan, Siti Zubaidah Hasan, Mohd Sobri Takriff & Mardiana Abdul Latif. 2022. Prevention of technological disasters: Adoption of

- indicative criteria associated with GHS in regulating major accident hazards. *Process Safety and Environmental Protection* 162: 583 – 594.
22. Hwei Teeng Chong, **Lim Chen Kim**, Abdul Rafi, Kian Lam Tan & **Mazlin Mokhtar**. 2022. Comprehensive systematic review on virtual reality for cultural heritage practices: coherent taxonomy and motivations. *Multimedia Systems* 28: 711-726.
 23. **Ibrahim Komoo** & Norzaini Azman, Norhayati Ahmad, Che Aziz Ali, Azmil Munif Bukhari. 2022. An integrated geoproduct development for geotourism in Langkawi UNESCO global geopark: a case study of the kubang badak biogeotrail. *Geoheritage* 14: 1-19.
 24. Intan Suraya Noor Arzahan, Zaliha Ismail, Siti Munira Yasin, Norraini Nordin, **Nor Diana Mohd Idris**, Juereanor Mat Jusoh & Syahiza Arsad. 2022. A ten-year review: safety culture and safety performance studies in Malaysia. *Central Asia and The Caucasus* 22(5): 1-11.
 25. Jeremy Jason Chin Chwan Chuong, Mahbubur Rahman, Nadiyah Ibrahim, Lee Yook Heng, **Tan Ling Ling** & Asmat Ahmad. 2022. Harmful microalgae detection: biosensors versus some conventional methods. *Sensors* 22:1-21.
 26. Labonnah Farzana Rahman, Mohammad Marufuzzaman, **Lubna Alam**, Md Azizul Bari, **Ussif Rashid Sumaila** & Lariyah Mohd Sidek. 2022. Application of machine learning to investigate the impact of climatic variables on marine fish landings. *National Academy Science Letters* 45(3): 245-248.
 27. Lalita Chopra, Kamal Kishor Thakur, Jasgurpreet Singh Chohan, Shubham Sharma, R. A. Ilyas, M. R. M. Asyraf & **Sharifah Zarina Syed Zakaria**. 2022. Comparative drug release investigations for diclofenac sodium drug (ds) by chitosan-based grafted and crosslinked copolymers. *Materials* 15: 1-17.
 28. **Lim Chen Kim**, Martin Shafiihuna Haufiku, Kian Lam Tan, **Minhaz Farid Ahmed** & Theam Foo Ng. 2022. Systematic review of education sustainable development in higher education institutions. *Sustainability* 14:1-22.
 29. **Lubna Alam**, **Ussif Rashid Sumaila**, Md Azizul Bari, Ibnu Rusydy, Mohamed Saiyad Musthafa & **Mazlin Mokhtar**. 2022. Investigating fish contamination scenario and community willingness to adopt consumption advice proposing an advisory option. *Environmental Science and Pollution Research* 29: 24167-24179.
 30. Mahfuza Begum, Muhammad Mehedi Masud, **Lubna Alam**, **Mazlin Bin Mokhtar** & **Ahmad Aldrie Amir**. 2022. The adaptation behaviour of marine fishermen towards climate change and food security: an application of the theory of planned behaviour and health belief model. *Sustainability* 14: 1-24.
 31. Mahfuza Begum, Muhammad Mehedi Masud, **Lubna Alam**, **Mazlin Mokhtar** & **Ahmad Aldrie Amir**. 2022. The impact of climate variables on marine fish production: An empirical evidence from Bangladesh based on autoregressive distributed lag (ARDL) approach. *Environmental Science and Pollution Research* 29: 87923-87937.
 32. Mathannishan Chandran, Wan M. Asyraf Wan Mahmood, **Farah Nadia Omar** & Azwan Mat Lazim. 2022. Removal of methylene blue from aqueous solution using modified polystyrene-calixarene (ps-c) composite. *Water, Air and Soil Pollution* 233:1-11.
 33. **Mazlin Mokhtar** & **Minhaz Farid** Ahmed. 2022. Managing a road as a river to mitigate the impact of urban flash floods. *Journal of Flood Risk Management* 15:1-2.
 34. Md Jahangir Alam, Nagarajan Rengasamy, Mohd Puat Dahalan, **Sharina Abdul Halim** & Tapan Kumar Nath. 2022. Socio-economic and ecological outcomes of a community-based restoration of peatland swamp forests in Peninsular Malaysia: A 5Rs approach. *Land Use Policy* 122: 1-20.
 35. Md. Mahfuzul Islam, **Ahmad Aldrie Amir** & Rawshan Ara Begum. 2022. Potential impact of coastal hazards: Case of Pahang, Malaysia. *Disaster Advances* 15(2): 66-72.

36. Md Mahfuzul Islam, Mohammad Abdul Matin Chowdhury, Rawshan Ara Begum & **Ahmad Aldrie Amir**. 2022. A bibliometric analysis on the research trends of climate change effects on economic vulnerability. *Environmental Science and Pollution Research* 29: 59300-59315.
37. **Minhaz Farid Ahmed, Mazlin Mokhtar, Chen Kim Lim & Nuriah Abd Majid**. 2022. Identification of water pollution sources for better Langat river basin management in Malaysia. *Water* 14:1-22.
38. Mohamed Ikhwan Nasir Mohamed Anuar & **Saiful Arif Abdullah**. 2022. The benefits of green infrastructure planning in addressing lost spaces underneath elevated urban highways. *Planning Malaysia* 20(4): 255-270.
39. Mohammad Imam Hasan Reza, Nur Hairunnisa Razaai & **Saiful Arif Abdullah**. 2022. Application of graph-based indices to map and develop a connectivity importance index for large mammal conservation in a tropical region: A case study in Selangor State, Peninsular Malaysia. *Ecological Indicators* 140:1-10.
40. Mohd Afandi bin Mat Rani, Mohd Izzat Amsyar Mohd Arif, Mohd Saleh Abbas, Hadiati Fitri, Teh Raihana Nazirah Roslan, Dayana Hazwani Mohd Suadi Nata, **Nor Diana Mohd Idris & Nur Hafizah Jamaluddin**. 2022. Mediating role of sircs incentive and training among asnaf entrepreneurs towards business competitiveness performance: a PLS-SEM approach. *Journal of Pharmaceutical Negative Results* 13(9): 5914-5923.
41. Mohd. Firdaus Mohd Arif & **Goh Choo Ta**. 2022. Covid-19 pandemic management: a review of the digitalisation leap in Malaysia. *Sustainability* 14:1-15.
42. Mohd Yusoff, Ronzi, **Sharina Abdul Halim & Joy Jacqueline Pereira**. 2022. Impak pembinaan empangan temenggor ke atas sosioekonomi komuniti orang asli jahai di rancangan pengumpulan semula air banun, Perak. *Asian People Journal* 5(1): 85-100.
43. Mufaro Chitsa, Subarna Sivapalan, Balbir Singh Mahinder Singh & **Lee Khai Ern**. 2022. Citizen participation and climate change within an urban community context: insights for policy development for bottom-up climate action engagement. *Sustainability* 14: 1-20.
44. Muhammad Rizal Muhammad Asyraf, Agusril Syamsir, Abu Bakar Mohd Supian, Fathoni Usman, Rushdan Ahmad Ilyas, Norizan Mohd Nurazzi, Mohd Nor Faiz Norrrahim, **Muhammad Rizal Razman, Sharifah Zarina Syed Zakaria**, Shubham Sharma, Zarina Itam & Mohamad Zakir. 2022. Sugar palm fibre-reinforced polymer composites: influence of chemical treatments on its mechanical properties. *Materials* 15: 1-22.
45. Muhammad Rizal Muhammad Asyraf, Agusril Syamsir, Nazirul Mubin Zahari, Abu Bakar Mohd Supian, Mohamad Ridzwan Ishak, Salit Mohd Sapuan, Shubham Sharma, Ahmad Rashedi, **Muhammad Rizal Razman, Sharifah Zarina Syed Zakaria**, Rushdan Ahmad Ilyas & Mohamad Zakir. 2022. Product development of natural fibre-composites for various applications: design for sustainability. *Polymers* 14: 1-28.
46. Muhammad Rizal Muhammad Asyraf, Mohamad Ridzwan Ishak, Mohd Nor Faiz Norrrahim, Abdul Latif Amir, Norizan Mohd Nurazzi, Rushdan Ahmad Ilyas, Mochamad Asrofi, Mazlan Rafidah & **Muhammad Rizal Razman**. 2022. Potential of flax fiber reinforced biopolymer composites for cross-arm application in transmission tower: a review. *Fibers and Polymers* 23(4): 853-877.
47. Muhammad Yasar, Syahrul, Zulfa Fijannah, **Nor Diana Mohd Idris & Jurry Foo**. 2022. Evaluation of Land Suitability for Rice (*Oryza sativa* L.) in Aceh Singkil District, Indonesia. *Rona Teknik Pertanian* 14(2): 33-44.
48. M.R.M.Asyraf, M.R.Ishak, Agusril Syamsir, N.M.Nurazzi, F.A.Sabaruddin, S.S.Shazleen, M.N.F.Norrrahim, M.Rafidah, R.A.Ilyas, Mohamad Zakir Abd Rashid & **Muhammad Rizal Razman**. 2022. Mechanical properties of oil palm fibre-reinforced polymer composites: A review. *Journal of Materials Research and Technology* 17: 33-65.

49. M. R. M. Asyraf, M. Rafidah, S. Ebadi, A. Azrina, **Muhammad Rizal Razman**. 2022. Mechanical properties of sugar palm lignocellulosic fibre reinforced polymer composites: a review. *Cellulose* 29: 6493-6516.
50. **Murnira Othman**, Mohd Talib Latif, Haris Hafizal Abd Hamid, Royston Uning, Thipsukon Khumsaeng, Worrador Phairuang, Zawawi Daud, Juferi Idris, Nurzawani Md Sofwan & Shih-Chun Candice Lung. 2022. Spatial-temporal variability and health impact of particulate matter during a 2019-2020 biomass burning event in Southeast Asia. *Scientific Reports* 12:1-11.
51. **Murnira Othman**, Mohd Talib Latif, Nur Nadrah Mohd Naim, Sharifah Mazrah Sayed Mohamed Zain, Md Firoz Khan, Mazrura Sahani, Muhammad Ikram A Wahab, Nurzawani Md Sofwan, Haris Hafizal Abd Hamid, Ahmad Fariz Mohamed. 2022. Children's exposure to PM_{2.5} and its chemical constituents in indoor and outdoor schools urban environment. *Atmospheric Environment* 273: 1-11.
52. N. Gussarsi, A. Ulianas, B. Oktavia, S. Aini, **Tan Ling Ling** & S.A. Hanifah, R.A. Hassan. 2022. Develop and characterization of molecularly imprinted conducting polymer (MICP) as uric acid absorbing material. *Rasayan Journal of Chemistry* 15(4): 2731-2736.
53. Nahdya Khairani, Han Yih Lau, Zamri Ishak, Lee Yook Heng & **Tan Ling Ling**. 2022. Biosensor DNA voltametriker berasaskan nanozarah emas bersalut elektrod bercetak skrin karbon untuk pengesanan DNA organisma terubahsuai genetik (GMO). *Sains Malaysiana* 51(10): 3285-3294.
54. Naziatul Aziah Mohd Radzi, Normaizatul Akma Saidi, **Lee Khai Ern**, Hasif Rafidee Hasbollah, Hazzaty Hashim & Fadhilhanim Aryani Abdullah. 2022. Revisiting a study of awareness and perception towards sustainability. *Borneo International Journal* 5(1): 49-59.
55. Nazrul Anuar Nayan, Choon Jie Yi, Mohd Zubir Suboh, **Nur-Fadhilah Mazlan**, Petrick Periyasamy, Muhammad Yusuf Zawir Abdul Rahim & Shamsul Azhar Shah. 2022. COVID-19 prediction with machine learning technique from extracted features of photoplethysmogram morphology. *Frontiers in Public Health* 10: 1-11.
56. Noor Izaanin Ramli, Lee Yook Heng & **Tan Ling Ling**. 2022. A simple potentiometric biosensor based on carboxylesterase for the analysis of aspartame. *Sains Malaysiana* 51(9): 2913-2924.
57. **Nor Diana Mohd Idris**, Nurul Atikah Zulkepli, **Chamhuri Siwar** & Mund Ridzuan Zainol. 2022. Farmers' adaptation strategies to climate change in southeast asia: a systematic literature review. *Sustainability* 14:1-5.
58. **Nor Diana Mohd Idris**, Nurul Atikah Zulkepli, **Nuriah Abdul Majid** & Mohd Raihan Taha. 2022. Assessment of livelihood vulnerability index among smallholder farmers: case study in Kota Bharu, Kelantan. *Neuroquantology* 20(10): 7036-7051.
59. Nor Syamimi Sufiera Limi Hawari, Mohd Talib Latif, Haris Hafizal Abd Hamid, Teoh Hwai Leng, **Murnira Othman**, Anis Asma Ahmad Mohtar, Azliyana Azhari & Doreena Dominick. 2022. The concentration of BTEX in selected urban areas of Malaysia during the COVID-19 pandemic lockdown. *Urban Climate* 45: 1-13.
60. Nor Zuriati Amani Ab Rani, **Rospidah Ghazali** & Mohd Khairi Ismail. 2022. Faktor kemudahterancaman multidimensi bagi kumpulan b40 di wilayah kelantan selatan. *Kajian Malaysia* 40(1): 157-178.
61. Nur Diyana Jamaluddin, Nur-Fadhilah Mazlan, **Tan Ling Ling**, Nurul Yuziana Mohd Yusof & Bahariah Khalid. 2022. G-quadruplex microspheres-based optical RNA biosensor for arthropod-borne virus pathogen detection: a proof-of-concept with dengue serotype 2. *International Journal of Biological Macromolecules* 199: 1-9.
62. Norzaini Azman, Nik Sabrina Abdullah & **Ibrahim Komoo**. 2022. Ciri akademik cemerlang di Universiti Awam Malaysia. *Kajian Malaysia* 40(2): 137-167.
63. Nor Khairunnisa Talib, Mohd Zulhafiz Said, Nurazlin Abdullah, Syeh Sahibul Karamah Masnan, Nurasikin Rashidi, Mokhtar Saidin, **Ibrahim Komoo**, Che Aziz Ali, Norhayati Ahmad & Rosazman

- Hussin. 2022. Geological, geoarchaeological, biological, and historical heritage of Lenggong Geopark development. *Planning Malaysia: Journal of the Malaysian Institute of Planners* 20(4): 115-129.
64. Nur Sarah Fatimah Tamsi, Mohd Talib Latif, **Murnira Othman**, Farah Diba Abu Bakar, Hanizah Mohd Yusof, Nor Mohd Razif Noraini, Maryam Zahaba & Mazrura Sahani. 2022. Antibiotic resistance of airborne bacterial populations in a hospital environment. *Environmental Monitoring and Assessment* 194: 1-11.
 65. Nur Syamimi Mohamad, **Tan Ling Ling**, **Goh Choo Ta**, Lee Yook Heng, Nadhratun Naiim Mobarak, Azwan Mat Lazim, Suhaila Sapari, Fazira Ilyana Abdul Razak & Nurul Izzaty Hassan. 2022. A quinoline-based fluorescent labelling for zinc detection & dft calculations. *Sains Malaysiana* 51(12): 3949-3966.
 66. **Nurfashareena Muhamad** & Husna Aini Shaidin. 2022. Assessment of Flood Events in Selangor, Malaysia. *Journal of Advanced Geospatial and Science Technology* 2(2): 42-55.
 67. **Nuriah Abd Majid**, Syaidatul Azwani Zulkafli, **Sharifah Zarina Syed Zakaria**, **Muhammad Rizal Razman** & **Minhaz Farid Ahmed**. 2022. Spatial pattern analysis on landslide incidents in Kuala Lumpur, Malaysia. *Ecology, Environment and Conservation* 28(3): 1624-1627.
 68. Nurelly, Musa Ahmad, Lee Yook Heng & **Tan Ling Ling**. 2022. Optical enzymatic formaldehyde biosensor based on alcohol oxidase and pH-sensitive methacrylic-acrylic optode membrane. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 267: 1-9.
 69. Nursuhaila Amzah, **Nuriah Abd Majid**, Siti Norsakinah Selamat, **Sharifah Zarina Syed Zakaria**, **Muhammad Rizal Razman** & **Minhaz Farid Ahmed**. 2022. Persepsi masyarakat bandar mengenai vaksin covid-19 Di Daerah Melaka Tengah, Malaysia. *Geografia-Malaysian Journal of Society and Space* 8(3): 118-137.
 70. Nurul' Ain Jamion, **Lee Khai Ern**, **Mazlin Mokhtar**, Thian Lai Goh & Norbert Simon. 2022. Evaluation of the content validity of the intrinsic-instrumental assessment tool for assessing the nature values of constructed wetlands. *Malaysian Journal of Society and Space* 18(1): 101-117.
 71. Nurul Atikah Zulkepli & **Nor Diana Mohd Idris**. 2022. Identifying the research of flooding in Kelantan, Malaysia: A review. *International Journal of Mechanical Engineering* 7(4): 1-10.
 72. Rui Wang, **Lee Khai Ern**, **Mazlin Mokhtar** & Thian Lai Goh. 2022. The challenges of palm oil sustainable consumption and production in China: An institutional theory perspective. *Sustainability* 14: 1-16.
 73. Rushdan Ahmad Ilyas, Humaira Alias Aisyah, Abu Hassan Nordin, Norzita Ngadi, Mohamed Yusoff Mohd Zuhri, Muhammad Rizal Muhammad Asyraf, Salit Mohd Sapuan, Edi Syams Zainudin, Shubham Sharma, Hairul Abral, Mochamad Asrofi, Edi Syafri, Nasmi Herlina Sari, Mazlan Rafidah, **Sharifah Zarina Syed Zakaria**, **Muhammad Rizal Razman**, **Nuriah Abd Majid**, Zuliskandar Ramli, Ashraf Azmi, Sneha Punia Bangar & Rushdan Ibrahim. 2022. Natural-fiber-reinforced chitosan, chitosan blends and their nanocomposites for various advanced applications. *Polymers* 14: 1-36.
 74. Sandeep Singh, Mohammad Iqbal Khairandish, Mustafa Musleh Razahi, Raman Kumar, Jasgurpreet Singh Chohan, Aditya Tiwary, Shubham Sharma, Changhe Li, R. A. Ilyas, M. R. M. Asyraf & **Sharifah Zarina Syed Zakaria**. 2022. Preference index of sustainable natural fibers in stone matrix asphalt mixture using waste marble. *Materials* 15: 1-17.
 75. Saraswathy Kasavan, **Ahmad Fariz Mohamed**, **Sharina Abdul Halim**, Sumiani Yusof & Rusinah Siron. 2022. Challenges for source separation of food waste and turning waste into compost for island-based hotels. *Akademika* 92(3): 39-49.
 76. Shahbaz Juneja, Jasgurpreet Singh Chohan, Raman Kumar, Shubham Sharma, R. A. Ilyas, M. R. M. Asyraf & **Muhammad Rizal Razman**. 2022. Impact of process variables of acetone vapor jet drilling on surface roughness and circularity of 3d-printed abs parts: fabrication and studies on thermal, morphological, and chemical characterization. *Polymers* 14: 1-28.

77. Shih-Chun Candice Lung, To Thi Hien, Maria Obiminda L. Cambaliza, Ohnmar May Tin Hlaing, Nguyen Thi Kim Oanh, Mohd Talib Latif, Puji Lestari, Abdus Salam, Shih-Yu Lee, Wen-Cheng Vincent Wang, Ming-Chien Mark Tsou, Tran Cong-Thanh, Melliza Templonuevo Cruz, Kraichat Tantrakarnapa, **Murnira Othman**, Shatabdi Roy, Tran Ngoc Dang & Dwi Agustian. 2022. Research Priorities of Applying Low-Cost PM2.5 Sensors in Southeast Asian Countries. *International Journal of Environmental Research and Public Health* 19(3): 1-37.
78. Siti Haslina Mohd Shafie, Mastura Mahmud, Suzani Mohamad, Nor Lita Fadilah Rameli, Ramdzani Abdullah & **Ahmad Fariz Mohamed**. 2022. Influence of urban air pollution on the population in the Klang Valley, Malaysia: a spatial approach. *Ecological Processes* 11(3): 1-16.
79. Siti Khatijah Zamhari & **Ahmad Fariz Mohamed**. 2022. Meneroka sektor informal dalam pengurusan sisa pepejal: suatu penelitian terhadap golongan pengutip sampah. *e-Bangi Journal of Social Sciences & Humanities* 19(7): 1-17.
80. Siti Norsakinah Selamat, **Nuriah Abd Majid**, Mohd Raihan Taha & Ashraf Osman. 2022. Landslide susceptibility model using artificial neural network (ann) approach in Langat River Basin, Selangor, Malaysia. *Land* 11:1-21.
81. Siti Nur Syazni Mohd Zuki, **Goh Choo Ta**, Mohammad B. Kassim & **Tan Ling Ling**. 2022. Bio-doped microbial nanosilica as optosensing biomaterial for visual quantitation of nitrite in cured meats. *Biosensors* 12: 388-388.
82. Sukainah Farhah Ador, **Nor Diana Mohd Idris & Chamhuri Siwar**. 2022. A systematic review of household well-being towards sustainable livelihoods. *Hiv Nursing* 22(2): 3858-3871.
83. Sukainah Farhah Ador, **Nor Diana Mohd Idris**, Chamhuri Siwar, Tan Say Peng & Nik Herda Nik Abdullah. 2022. Bibliometric analysis of peer-reviewed literature on livelihood assets and the relationships towards sustainable livelihoods. *Journal of Pharmaceutical Negative Results* 13(9): 5858-5876.
84. Tariqur Rahman Bhuiyan, Ah Choy Er, **Lim Choun-Sian, Nurfashareena Muhamad**, Arpah Abu Bakar & **Joy Jacqueline Pereira**. 2022. Disaster loss indicators for reporting to desinventar sendai and enabling rapid monetary valuation in Malaysia. *Weather and Climate Extremes* 7: 1-11.
85. Tariqur Rahman Bhuiyan, Ah Choy Er, **Nurfashareena Muhamad & Joy Jacqueline Pereira**. 2022. Evaluating the cumulative costs of small-scale flash floods in Kuala Lumpur, Malaysia. *Journal of Hydrology* 612: 1-13.
86. T. Theivasanthi, R. A. Ilyas, M. N. F. Norrrahim, T. S. M. Kumar, S. Siengchin, M. S. M. Misenan, M. A. A. Farid, N. M. Nurazzi, M. R. M. Asyraf, **Sharifah Zarina Syed Zakaria & Muhammad Rizal Razman**. 2022. Emerging developments on nanocellulose as liquid crystals: a biomimetic approach. *Polymers* 14: 1-28.
87. W.A. Amir Zal, Burhan Che Daud, Mustaffa Omar, Hood Salleh & **Sharina Abdul Halim**. 2022. Explaining community capital changes for Malaysian Negritos based on longitudinal panel study. *Journal of the Community Development Society* 53(3): 309-325.
88. Zahra Emlaei, Sharareh Pourebrahim, Hamidreza Heidari & **Lee Khai Ern**. 2022. The impact of climate change as well as land-use and land-cover changes on water yield services in haraz basin. *Sustainability* 14:1-17.
89. Zimmer M, Ajonina GN, **Ahmad Aldrie Amir**, Cragg SM, Crooks S, Dahdouh-Guebas F, Duke NC, Fratini S, Friess DA, Helfer V, Huxham M, Kathiresan K, Kodikara KAS, Koedam N, Lee SY, Mangora MM, Primavera J, Satyanarayana B, Yong JWH & Wodehouse D. 2022. When nature needs a helping hand: Different levels of human intervention for mangrove (re-)establishment. *Frontiers in Forests and Global Change* 5:1-18.
90. Zureen Norhaizatul Che Hassan, Liew Juneng, Muhammad Firdaus Ammar Abdullah & **Joy Jacqueline Pereira**. 2022. Mapping spatial urban rainfall extremes under various return periods in Kuala Lumpur for sustainable urbanization. *Malaysian Construction Research Journal* 36(1):11-26.

Prosiding/ Proceedings

1. A A A Rahman, **Nuriah Abd Majid**, M H Ramlan & M A Hakim. 2022. Allocating of new potential bus stop location using analytical hierarchy process (ahp) technique. 8th International Conference on Geomatics and Geospatial Technology (GGT).
2. Abdul Hafidz Yusoff, Nur Alia Aqira Halib, Chang Shen Chang, Noor Fazliani Shoparwe, Teo Pao Ter, Fakhruddin Afif Fauzi, Reasmey Tan & **Minhaz Farid Ahmed**. 2022. Accumulation of heavy metals in core sediments from Kelantan river near to Kuala Krai area as indicator of river pollution. International Conference on Bioengineering and Technology (IConBET2021).
3. Ahmad Khairul Azmi, Ailie Sofyiana Serasa, Abdul Ghani Rafek, Wan Salmi Wan Harun, Muslim Abdurrahman, **Lee Khai Ern**, Nguyen Xuan Huy, Tran Van Xuan, Rodeano Roslee, Mingwei Zhang, Goh Thian Lai, Muhammad Yasin, Ivan Erviza and Hadi Prabowo. 2022. Seismic Interpretation and Reservoir Static Model: A Case Study in Block MFK, Riau Province, Indonesia. Natural Disaster Seminar 2019 IOP Conf. Series: Earth and Environmental Science.
4. Ailie Sofyiana Serasa, Abdul Ghani Rafek, Wan Salmi Wan Harun, Muslim Abdurrahman, Lee Khai Ern, Nguyen Xuan Huy, Tran Van Xuan, Rodeano Roslee, Mingwei Zhang, Goh Thian Lai. 2022. Correlation of Dynamic and Static Young Modulus for Limestone. Natural Disaster Seminar 2019 IOP Conference Series: Earth and Environmental Science
5. Kamilia Sharir, Goh Thian Lai, Norbert Simon, **Lee Khai Ern**, Eldawaty Madran, Rodeano roslee. 2022. Debris flow susceptibility analysis using a bivariate statistical analysis in the Panataran River, Kg Melangkap, Sabah, Malaysia. Natural Disaster Seminar 2019 IOP Conf. Series: Earth and Environmental Science
6. Kamilia Sharir, Goh Thian Lai, Norbert Simon, **Lee Khai Ern**, Mustapha Abd Talip, Rodeano Roslee. 2022. Assessment of Flood Susceptibility Analysis Using Analytical Hierarchy Process (AHP) in Kota Belud Area, Sabah, Malaysia. Natural Disaster Seminar 2019 IOP Conf. Series: Earth and Environmental Science.
7. Nazlin An Nisa Md Shah, Ailie Sofyiana Serasa, Abdul Ghani Rafek, Wan Salmi Wan Harun, Muslim Abdurrahman, **Lee Khai Ern**, Nguyen Xuan Huy, Tran Van Xuan, Rodeano Roslee, Mingwei Zhang, Goh Thian Lai. 2022. Engineering Geological Assessment at Grandview Heights, Paya Terubong, Pulau Pinang, Malaysia. Natural Disaster Seminar 2019 IOP Conf Series: Earth and Environmental Science.
8. Norbert Simon, Che Aziz Ali, **Ibrahim Komoo**, Norasiah Sulaiman, Mohd Hariri Arifin, Nor Shahidah Mohd Nazer, Azrin Azmi, Jenneth Liliana Cyril, Fatimah Tuzaharah Kamaludeen, Mison Ajum, Abd Razak Zainal Abidin, Nasirudin Yusoff, Adyreaan Edero Jingskah & Dana. 2022. Kerjalapangan Maya: Pendekatan Alternatif Geopendidikan Pelajar dan Masyarakat. Kongress dan pertandingan Inovasi Dalam Pengajaran & Pembelajaran 2022 (KNOVASI).
9. **Nor Diana Mohd Idris**, Nurul Atikah Zulkepli. 2022. Livelihood assessment of a community living in a flood prone area: case study of farmers community in Kota Bharu, Kelantan. 7th International Case Study Conference (ICSC 2022).
10. Nur Farah Hani Salleh, Abdul Hafidz Yusoff, Chang Shen Chang, Noor Fazliani Shoparwe, Teo Pao Ter, Azwan Mat Lazim, Khairul Anam Zakaria, **Minhaz Farid Ahmed**, Reasmey Tan. 2022. Distribution of selected minerals and heavy metals in the surface sediments from Kelantan river off Tumpat, Tanah Merah and Kuala Krai area. International Conference on Bioengineering and Technology (IConBET2021) AIP Conference Proceedings.
11. Rodeano Roslee, Kamilia Sharir, Goh Thian Lai, Norbert Simon, **Lee Khai Ern**, Eldawaty Madran & Ahmad Syazwan Saidin. 2022. Application of Analytical Hierarchy Process (AHP) for Landslide Hazard Analysis (LHA) in Kota Kinabalu area, Sabah, Malaysia. Natural Disaster Seminar 2019 IOP Conf. Series: Earth and Environmental Science.

12. **Rospidah Ghazali** & Zainebeevi Kamalbatcha. 2022. Isi rumah b40 dalam era pandemik covid-19: strategi daya tahan untuk kelestarian hidup. Persidangan Kependudukan Kebangsaan 2022 (PERKKS 22).
13. Siti Aminah Anshah, **Murnira Othman**, Rohayu Haron Narashid, Nursyahani Nasron, Abd Manan Samad. 2022. Quantifying nighttime light changes In Kl, Putrajaya, and Selangor from human activities impact of pandemic covid-19. 2022 IEEE 13th Control and System Graduate Research Colloquium (ICSGRC).
14. Siti Norsakinah Selamat, Nuriah Abd Majid, Mohd Raihan Taha, Ashraf Osman. 2022. Application of geographical information system (GIS) using artificial neural networks (ANN) for landslide study in Langat Basin, Selangor. 11th IGRSM International Conference and Exhibition on Geospatial & Remote (IGRSM 2022).
15. Syaidatul Azwani Zulkafli, **Nuriah Abd Majid**. 2022. Causative parameters mapping of landslides in Wilayah Persekutuan Kuala Lumpur. Proceedings of lastem International Conference Kota Kinabalu, Malaysia.
16. Zakaria Hashim, **Saiful Arif Abdullah**. 2022. Criteria for the protected area management category framework in peninsular malaysia for sustainable conservation planning. The 6th International Symposium of Sustainable Landscape Development.

Bahan Seminar/ Seminar Papers

1. **Ahmad Fariz Mohamed**, Yong Teng Koon, **Shaharuddin Mohamad Ismail**, **Sarah Aziz Abdul Ghani Aziz**, Siti Syaliza Mustapha, **Ku Adriani Ku Ayob**, Nurul Hidayah Shamsul Ariffin & Siti Zuhaili Hassan. 2022. Multi-stakeholder engagement and consultation under the the Malaysian timber certification scheme mtcs. Symposium on Multi-Stakeholders Engagement in Forest and Protected Area Governance for Conservation and Livelihoods.
2. Alwin Long, **Mazlin Bin Mokhtar**, **Sharina Abdul Halim & Minhaz Farid Ahmed**. 2022. Fostering Inclusive Watershed Management Through Multi-Helix Engagement Model on Micro Hydropower Electrification in Sabah, Malaysia. 1st International Conference on Water and Environment for Sustainability.
3. **Mazlin Mokhtar & Minhaz Farid Ahmed**. 2022. Tourism Futures Reimagined. The 6th World Tourism Conference, Kota Kinabalu, Malaysia.
4. **Minhaz Farid Ahmed**, **Mazlin Mokhtar**, **Rd Puteri Khairani Khirotdin** & Anthony Wong Kim Hooi. 2022. Mitigating Sea Beach Erosion at Langkawi: A Case of Frangipani Langkawi. Sustainable Hotels: the how of achieving the UN 17 SDGs & Climate Change, Circular Economy & Sustainability.
5. **Nor Diana Mohd Idris**, Nurul Atikah Zulkepli, **Nuriah Abdul Majid** & Mohd Raihan Taha. 2022. Assessment of Livelihood Vulnerability Index among smallholder farmers: Case study in Kota Bharu, Kelantan. 1st Virtual International Conference on Current and Trending Issues in Education and Social Sciences 2022 (VICCTIESS 2022).
6. **Rospidah Ghazali** & Zainebeevi Kamalbatcha. 2022. Isi Rumah B40 dalam Era Pandemik Covid19: Strategi Daya Tahan untuk Kelestarian Hidup. Persidangan Kependudukan Kebangsaan 2022: Pemerkasaan Penduduk dan Keluarga Teras Negara Maju.
7. Siti Norsakinah Selamat, **Nuriah Abd Majid**, Mohd Raihan Taha & Ashraf Osman. 2022. Application of Geographical Information System Igrsm 2022 11th igrsm international confrence and exhibition on geospatial & remote sensing. (GIS) Using Artificial Neural Networks (ANN) for Landslide Study in Langat Basin, Selangor.
8. **Tanot Unjah**, Marilah Sarman, Muhammad Ashahadi Dzulkifli & Norbert Simon. 2022. Systematic scientific identification and classification of potential geosite at District of Gombak, Selangor Malaysia. XVII GEOSEA 2022; 34th National Geoscience Conference.

Penerbitan Popular Dalam Bidang / Popular Publications

1. **Ahmad Aldrie Amir**. 2022. Hope for mangrove conservation. *New Straits Times*, 29 Disember: 16.
2. **Ahmad Aldrie Amir**. 2022. Invest to rebuild ecosystems. *New Straits Times*, 22 April: 13.
3. **Ahmad Aldrie Amir**. 2022. Past efforts lacked proper planning, monitoring. *New Straits Times*, 26 Julai: 8.
4. **Ahmad Aldrie Amir**. 2022. Protecting Earth's precious forests, water and the environment. *New Straits Times*, 4 Mei: 11.
5. **Ahmad Aldrie Amir**. 2022. Say no to development but yes to Kuala Selangor Nature Park conservation. *New Straits Times*, 12 Ogos: 13.
6. Go Wen Ze, **Nurfashareena Muhamad & Joy Jacqueline Pereira**. 2022. Dialogue on Climate Change 2022: Risk, Adaptation and Mitigation - Implications and Way Forwards. *Buletin SEADPRI (24)*: 6-9.
7. Jeremy Jason Chin Chwan Chuong, Lee Yook Heng & **Tan Ling Ling**. 2022. Harmful Microalgae Detection: Biosensors Versus Some Conventional Methods. *Buletin SEADPRI (25)*: 14.
8. **Ibrahim Komoo**. 2022. Fahami fenomena di lembangan sungai elak bencana berulang. *Berita Harian*, 03 April: 10.
9. **Ibrahim Komoo**. 2022. Geotapak Gunung Raya Langkawi UNESCO Global Geopark. *Ebulletin PPL* 1:4-5.
10. **Ibrahim Komoo**. 2022. Pembuat dasar belum kenal banjir puing, jejas usaha hadapi bencana. *Berita Harian*, 18 Julai: 12.
11. **Ibrahim Komoo**. 2022. Rangka mitigasi banjir ambil kira proses geologi berantai lembangan. *Berita Harian*, 02 September: 10.
12. **Nurfashareena Muhamad & Faten Hanani Hakimi**. 2022. Young Professionals as Community Mappers for Disaster Resilience. *Buletin SEADPRI (24)*: 13.
13. **Nurfashareena Muhamad & Mohd Fairus Awang**. 2022. U-INSPIRE Malaysia@UKM Celebrates Earth Day 2022. *Buletin SEADPRI (24)*: 11.
14. Nurul Huda Abd Karim, Juan Joon Ching, Lee Loong Chuen, Atiah Ayunni Abdul Ghani, Loh Kee Shyuan, Nadhratum Naiim Mobarak, Wan Nur Aini Wan Mokhtar, **Goh Choo Ta**, Nurul Izzaty Hassan & Nurul Asikin Mijan. 2022. Virtual Karnival Kemahiran & Kerjaya Kimia Malaysia (K4M) 2022. *Berita IKM*:40.
15. Nurul Syazwani Yahaya & **Joy Jacqueline Pereira**. 2022. Community GIS Systems for Building Disaster Resilience. *Buletin SEADPRI (24)*: 5.
16. Nurul Syazwani Yahaya, Navakanesh M. Batmanathan & **Joy Jacqueline Pereira**. 2022. The December 2021/ January 2022 Disasters in Selangor. *Buletin SEADPRI (24)*: 4.
17. **Siti Khadijah Satari & Go Wen Ze**. 2022. Bengkel Dasar Pengurangan Risiko Bencana Negara dan Perbincangan Rang Undang-undang Pengurusan Bencana. *Buletin SEADPRI (24)*: 3.
18. **Siti Khadijah Satari & Go Wen Ze**. 2022. Bengkel Memuktamadkan Penggubalan Dasar DRR Negara. *Buletin SEADPRI (24)*: 10.
19. **Siti Khadijah Satari**, Go Wen Ze & Siti Mariam Abu. 2022. Jaringan Kerjasama SEADPRI dan NADMA. *Buletin SEADPRI (24)*: 16.
20. **Tan Ling Ling, Mohd Faizol Markom**. 2022. Kalibrasi dan Latihan Penggunaan Alat Penimbang Analisis Ohaus® PX224. *Buletin SEADPRI (24)*: 15.
21. **Tan Ling Ling, Mohd Faizol Markom**. 2022. Latihan Penggunaan Ketuhar Makmal Kawalan Digital. *Buletin SEADPRI (25)*: 15.
22. **Tan Ling Ling & Nadiah Ibrahim**. 2022. Nanoparticles-based Biosensor as a Detection Strategy for Emerging and Pathogenic RNA Virus. *Buletin SEADPRI (24)*: 14.

23. **Tanot Unjah**. 2022. Memperkasa ilmu geologi mensejahterakan komuniti geopark. *EBulletin PPL* Bil. 1/2022.

Laporan Penyelidikan / Research report

1. **Ahmad Aldrie Bin Amir**, Mohd Talib Bin Latif, Khairul Nizam Abdul Maulud, Rosdiadee Bin Nordin, **Rd Puteri Khairani Binti Khirotdin**, **Sharina Binti Abdul Halim** & Mohammad Rozaimi Bin Jamaludin. 2022. Mitigating Anthropogenic Impacts and Risks on the Environmental Integrity of Kilim Karst Geoforest Park.
2. Arpah Abu Bakar, **Lim Choun-Sian**, Diara Md Jadi, Habibah Tolos, **Joy Jacqueline Pereira**, Mohd Taipor Suhadah, **Nurfashareena Muhamad**, Shamzaeffa Samsudin & Zairol Azhar Auzzir. 2022. APEC Disaster Risk Management Strategies to Support MSMEs Business Sustainability.
3. **Goh Choo Ta**, Masli Irwan Rosli, Darman Nordin, Jarinah Mohd Ali, Nurul Izzaty Binti Hassan, Syazwani Mohd Fadzil, Mohd Sobri Takriff & Siti Zubaidah Hasan. 2022. Kajian Semula Penentuan Kuantiti Ambang Bahan Berbahaya Dan Kriteria Indikatif Menurut Tanda Aras Dengan Standard Antarabangsa - Laporan Interim 2.
4. **Jasni Yaakub**. 2022. Geology, Hydrogeology and Geochemistry of the Proposed Gold Mining Area in a Part of Hutan Simpan Kekal Sokor Taku, Mukim Sokor Daerah Ulu Kusial, Jajahan Tanah Merah Kelantan Darul Naim.
5. **Jasni Yaakub**. 2022. Geology, Hydrogeology and Geochemistry of the Proposed Iron Ore Mining Area in a Part of Hutan Simpan Sokortaku Mukim Sokor, Daerah Ulu Kusial, Tanah Merah, Kelantan Darul Naim.
6. **Jasni Yaakub**. 2022. Hydrogeology and Potential of Acid Mine Drain of the Proposed Manganese Ore Mining Operation Area, Mukim Relai, Gua Musang, Kelantan.
7. **Jasni Yaakub**. 2022. Hydrogeology of the Proposed Iron Ore Mining Area of Lots 38298, 38297 AND 38296, Sungai Perades, Keratong, Rompin, Negeri Pahang Darul Makmur Mohd. Ekhwan Toriman, Wan Nur`Ashiqin Wan Mohamad, Nurul Safaniza Che Ani & **Rahmah Elfithri**. 2022. Kajian Siri Masa Sebenar Luahan dan Kualiti Air Alur Ilmu, Sub Lembangan Sungai Langat, Selangor.
8. **Jasni Yaakub** & Mohd Hariri Arifin. 2022. Subsurface Hydrology of the Proposed Development Area in Damansara Perdana, Sungai Buloh, Mukim Petaling Negeri Selangor Darul Ehsan.
9. **Jasni Yaakub**. 2022. Sustainable Groundwater Condition and Groundwater Model of the Proposed Manganese Mining Operation Area in Sungai Aring, Gua Musang, Kelantan.
10. Siti Aishah Binti Hasbullah, Mohamad Azwani Shah Bin Mat Lazim & **Tan Ling Ling**. 2022. Surfactant Based bis-Thiourea Derivatives for Complexation with Mercury (II) ion (Hg^{2+}).
11. **Ibrahim Komoo**, Che Aziz Ali, Hisamuddin Termidi, Zamri Ramli, Zakaria Mohamad, Abd Rasid Jaapar, **Lim Choun Sian**, Abd Rahim Harun, Mohamad Faruq Syahmi Md Aripin, Muhammad Afiq Ariff Mohd Hellmy, Amir Mizwan Mohd Akhir, Saiful Abdullah & Mohd Farid Abdul K. 2022. Laporan Kajian Bencana Geologi Banjir Puing 2022 Sungai Kupang, Baling, Kedah.
12. Mohd. Raihan Bin Taha, **Nor Diana Binti Mohd Idris**, **Nuriah Binti Abd Majid**, **Nurfashareena Binti Muhamad**, Chamhuri B Siwar. 2022. Aplikasi Sistem Maklumat Geografi (GIS) dalam Pemetaan Indeks Kemudahterancaman Penghidupan terhadap bencana banjir di Pahang.
13. Mohd Tajuddin Abdullah, Zulkifli Yusop, Rahimatsah Amat, **Sarah Aziz**, **Sharina Abdul Halim** & Muhammad Abdul Latiff Abu Bakar. 2022. Assessment on the Sustainability of the Tasik Chini Basin (TCB) & Tasik Chini Biosphere Reserve (TCBR).
14. Norshariani Binti Abd Rahman, Lilia Bt. Halim, Abdul Razak Bin Ahmad & **Sharifah Zarina Binti Syed Zakaria**. 2022. Model Nilai Kesukarelawanan dan Norma Masyarakat Terhadap Rasa Sejahtera oleh Sukarelawan Alam Sekitar.
15. Siti Aishah Hasbullah, Mohamad Azwani Shah Mat Lazim & Tan Ling Ling. 2022. Surfactant Based bis-Thiourea Derivatives for Complexation with Mercury (II) ion (Hg^{2+}).

16. **Tanot Unjah**, Marilah Sarman, Norbert Simon & Muhammad Ashahadi Bin Dzulkafli. 2022. Pemetaan dan pencirian potensi tapak geologi bernilai warisan di kawasan Gombak Selangor.

Lain-lain / Others

1. **Ibrahim Komoo**. Bencana Banjir: Antara proses semulajadi dan aktiviti manusia. Bernama TV. 1 Julai 2022.
2. **Minhaz Farid Ahmed**. 2022. Synergy of Multi Disciplinary Approaches: A Wayforward Towards Climate Resilient, Inclusive and Sustainable Development.
3. **Nik Mohd Noor Faizul Md Saad**. 2022. Konservasi Kelawar di Langkawi - Segmen di Galeri Pusat Penyelidikan Langkawi. Simfoni Alam TV1 RTM. 12 September 2022.
4. **Tanot Unjah**. 2022. Bual Bicara Media Selangor : Geopark kea rah Geopark Kebangsaan, Media Selangor. 02 November 2022.
5. **Tanot Unjah**. 2022. Bual IPT : Melestarikan Warisan geologi, Biologi dan warisan Budaya, Lensa IPT. 02 Disember 2022.