

CURRICULUM VITAE



Eliani Ezani

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Education

1. PhD. in Civil and Environmental Engineering, University of Strathclyde Glasgow UK
2. Master in Environmental Health, University of Strathclyde Glasgow UK
3. BSc in Environmental Health (Hons) Universiti Kebangsaan Malaysia (UKM)

Areas of Interest

1. Air pollution (indoor and outdoor)
2. Exposure assessment
3. Climate change and short-lived climate pollutants (SCLPs – black carbon)
4. Low-cost environmental sensor technology
5. Urban environmental health

Professional Qualification/ Membership/ Affiliation

1. Allin-Wayra: Small sensors for atmospheric science
2. The Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS)
3. Environmental and Occupational Health Society Malaysia

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
2024-2026	Scientific Committee Member	Allin-Wayra: Small sensors for atmospheric science
2023-2026	Scientific Steering Committee Member	The Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS)
2022-current	Early Career Scientist Representative for Asia and Pacific	The Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS)
2023-current	Master Coursework Program Coordinator	Universiti Putra Malaysia
2023-current	International Mobility Coordinator	Universiti Putra Malaysia

Publications

Journals (in 5 years)

1. Mahamud, U.S., Nurdin, A., **Ezani, E.** 2024. Cytotoxicity and Exposure Assessment of PM_{2.5} in a Residential Home during COVID-19 Lockdown. *Aerosol Air Qual. Res.* <https://doi.org/10.4209/aaqr.230205>
5. Shen, T., Rasdi, I.B., **Ezani, E.** 2024. The mediating role of pro-environmental attitude and intention on the translation from climate change health risk perception to pro-environmental behavior. *Sci Rep* 14, 9831. <https://doi.org/10.1038/s41598-024-60418-7>
6. NA Gunawardana, MRM Roduan, **E Ezani**, HI Saidi, & Nurdin. 2023. A. Physiological Response and Impact of COVID-19 Pandemic among Malaysian Citizens: A Cross-sectional Study. *Malaysian Journal of Medicine & Health Sciences*.20(1): 100-111.
7. Fazil, A. A, **Ezani, E.** and Romli, M.H. Influence of COVID-19 Lockdown on Noise Level Reduction: A Scoping Review with Stakeholders' Consultation. 2023. *Malaysian Journal of Medicine & Health Sciences*.
8. Syed Ismail, S.N., Jia, L.Y., **Ezani, E.**, Shamsuddin, A.S., Udin, N.M. and Rangga, J.U. 2023. Unveiling Youth's Perceptions and Behaviors Towards Plastic Usage and Management Amidst the COVID-19. *Malaysian Journal of Medicine & Health Sciences* Vol. 19 SUPP10
9. **Ezani, E.**, Nur Izah Ab Razak, Josfirin Uding Rangga, Hasni Idayu Saidi, and Sairam Dhandaphani. Traffic-related Air Pollution (TRAP) and Its Exposure to Cardiorespiratory Outcomes to Active Commuters in a University Outdoor Environment. *EGU* 2023. <https://doi.org/10.5194/egusphere-egu23-17038>
10. **Ezani, E.** and Brimblecombe, P. Exposure of Malaysian Children to Air Pollutants over the School Day. *Urban Sci.* 2022 <https://doi.org/10.3390/urbansci6010004>. vol 6, 4
11. **Ezani, E.**; Dhandapani, S.; Heal, M.R.; Praveena, S.M.; Khan, M.F.; Ramly, Z.T.A. Characteristics and Source Apportionment of Black Carbon (BC) in a Suburban Area of Klang Valley, Malaysia. *Atmosphere*. 2021.Vol 12, 784.
12. NI Razak, **E Ezani**, N Ismail - Particulate Matter-Induced Acute Coronary Syndrome: MicroRNAs as Microregulators for Inflammatory Factors. *Hindawi, International*, 2021. [1-13]
13. **Ezani, E.**, Brimblecombe, P., Hanan Asha'ari, Z., Fazil, A. A., Syed Ismail, S. N., Ahmad Ramly, Z. T., & Khan, M. F. Indoor and Outdoor Exposure to PM_{2.5} during COVID-19 Lockdown in Suburban Malaysia. *Aerosol and air quality research*. 2021. 20. doi:10.4209/aaqr.2020.07.0476
14. Sharifah Norkhadijah Syed Ismail, Emilia Zainal Abidin, Irniza Rasdi, **Elani Ezani**, Nazri Che Dom, Aida Soraya Shamsuddin. COVID-19: the Epidemiological Hotspot and the Disease Spread in Malaysia. *Mal J Med Health Sci*. Oct 2021. 17(SUPP8): 42-50
15. Amirul Aiman Helmi, **Elani Ezani**, Sharifah Norkhadijah Syed Ismail, Irniza Rasdi. Temporal Analysis of Environmental Noise and Air Pollution Nearby a Government Hospital in Suburban Klang Valley, Malaysia. *Mal J Med Health Sci*. 2021. 17(SUPP8): 95-100
16. Ash'aari, Z. H., Aris, A. Z., **Ezani, E.**, Ahmad Kamal, N. I., Jaafar, N., Jahaya, J. N., Umar Saifuddin, M. F. Spatiotemporal Variations and Contributing Factors of Air Pollutant Concentrations in Malaysia during Movement Control Order due to Pandemic COVID-19. *AAQR*. 2020. Special Issue on COVID-19 Aerosol Drivers, Impacts and Mitigation (VI) Volume 20
17. Som, S. S. M., **Ezani, E.**, & Sulaiman, N. (2020). Association between Indoor Air Quality Parameters (PM_{2.5}, CO₂, and Bioaerosols) in Children Day Care Centres with and without Air Purifier in Bangi. *International Journal of Academic Research in Business and Social Sciences*, 2020. 10(15), 127–141.
18. Masey, N., **Ezani, E.**, Gillespie, J., Sutherland, F., Lin, C., Hamilton, S., Heal, M.R. and Beverland, I.J. . Consistency of Urban Background Black Carbon Concentration Measurements by Portable AE51 and Reference AE22 Aethalometers: Effect of Corrections for Filter Loading. *Aerosol Air Qual. Res.* 2020. 20: 329-340. <https://doi.org/10.4209/aaqr.2019.03.0145M>.
19. F. Zakaria, **E. Ezani**, N. Hassan, N. A. Ramli and M.I. A Wahab. Traffic-related Air Pollution (TRAP), Air Quality Perception and Respiratory Health Symptoms of Active Commuters in a University Outdoor Environment. *IOP Conference Series: Earth and Environmental Science*. 2019. <https://iopscience.iop.org/article/10.1088/1755-1315/228/1/012017>
20. Alhasa, K., Mohd Nadzir, M., Olalekan, P., Latif, M., Yusup, Y., Iqbal Faruque, M., Ahamad, F., Abd. Hamid, H., Aiyub, K., Md Ali, S., Khan, M., Abu Samah, A., Yusuff, I., Othman, M., Tengku Hassim, T., **Ezani, E.**,

Calibration Model of a Low-Cost Air Quality Sensor Using an Adaptive Neuro-Fuzzy Inference System. *Sensors*. 2018. 18, 4380.

21. **E. Ezani**, N.A Abdul Hisham, S.N Syed Ismail and M.I Abdul Wahab. Air Pollution and Traffic Measurements within University Areas in Serdang, Selangor. *Asia Pacific Environmental and Occupational Health Journal* (ISSN 2462 -2214). 2018. Vol 4 (3): 58 – 65.

Conference Proceedings (in 5 years)

1. Uding Rangga, J., **Ezani, E.**, Norkhadiah Syed Ismail, S., Mohd Yusof, M. J., and Bahari Shamsudin, S.: Active Commuters' Exposure to PM2.5, Black Carbon, Noise, and Heat During the Northeast Monsoon in Selected Urban Cities in Malaysia, EGU General Assembly 2024, Vienna, Austria, 14–19 Apr 2024, EGU24-933, <https://doi.org/10.5194/egusphere-egu24-933>, 2024.

2. **Ezani, E.**, Nur Izah Ab Razak, Josfirin Uding Rangga, Hasni Idayu Saidi, and Sairam Dhandaphani. Traffic-related Air Pollution (TRAP) and Its Exposure to Cardiorespiratory Outcomes to Active Commuters in a University Outdoor Environment. <https://doi.org/10.5194/egusphere-egu23-17038>. European Geoscience Union Conference (EGU) Vienna, Austria. 2023

3. Conference Proceedings Indoor Air ISBN-13: 978-0-9846855-5-4 The 14th international conference of indoor air quality and climate: conference proceedings

Chapter in Books

1. **Eliani, E.** 2022. Komuniti dan Isu Kelestarian Persekitaran (Chapter in book)

2. **Eliani, E.** 2021. Pandemik Covid-19: Pengalaman Malaysia dan Indonesia (Chapter in book)

Popular Writing (Newspaper, Newsletter etc)

1. **Ezani, E.** 2019. Zon Pelepasan Rendah Tangani Pencemaran Udara. *Berita Harian*

http://psasir.upm.edu.my/id/eprint/69927/1/Zon_pelepasan_rendah_tangani_pencemaran_udara-Berita_Harian_Komentar_MS_11.pdf

2. **Eliani, E.** 2017. Act fast to address 'air-pocalypse'. *The New Straits Times Malaysia*. [Online]

<https://www.nst.com.my/opinion/letters/2017/09/285395/act-fast-address-air-pocalypse>
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Research Grants				
No.	Project Title	Amount (RM)	Year	Source of Fund
1.	Tertiary student exposure to PM2.5: Will intervention campaign significantly, reduce traffic related air pollutants in campus? (Co-Investigator)	RM 20,000	2023	Sunway University
2.	One Health Leptospirosis and Environmental Factors Community Work (Principal Investigator)	RM 10, 000	2022	One Health University Network USAIDS
3.	Personal Exposure Assessment of Airborne Particulates Black Carbon (BC) on Cardio-Respiratory Status among Healthy Adults in Greater Kuala Lumpur (KL) (Principal Investigator)	RM 50, 500	2020	Universiti Putra Malaysia

Awards/ Recognition (Current)				
No.	Name of awards	Award Authority	Award Type	Year
1.	Silver Award International Putra Innocreative Carnival in Teaching and Learning (Pictl-2023)	Centre For Academic Development and Leadership Excellence Universiti Putra Malaysia	Teaching award	2023
2.	Travel Award Annual Conference of International Society for Environmental Epidemiology (ISEE23)	International Society for Environmental Epidemiology	Travel award	2023
3.	Travel Grant Award European Geoscience Union Assembly (EGU23)	University of Helsinki & Open Philanthropist	Travel award	2023
4.	Winner for the Best Poster Climate Change E-Colloquium 2021	Ministry of Water and Environment Malaysia	Conference award	2022
5.	Commonwealth Science Conference Fund	The Royal Society UK and Global Challenges Research Fund (GCRF)	Travel award	2021
6.	The Best Oral Presenter	Malaysia Air Quality Annual Symposium (MAQAS)	Conference award	2019
7.	The Best Poster Presenter	Climate Change Conference	Conference award	2019
8.	Best Employee Award (APC)	Universiti Putra Malaysia	University award	2019

Professional Services/ Consultation			
No.	Year	Title	Authority
1.	2022	Indoor Air Quality Monitoring and Health Assessment	IPSAS-Universiti Putra Malaysia

Student Supervision			
PhD (Main Supervisor)			
No.	Name	Title	Status
1.	Josfirin Uding Anak Rangga	Assessing pedestrians health impact of exposure to traffic- related air pollution, traffic noise, and heat in selected urban cities in Malaysia	On-going

Master without Thesis (Main Supervisor)			
No.	Name	Title	Status
1.	Akmal Khuzaifi Khairuddin	Assessment Of Indoor Air Quality Status and Health Impact Among Home-Based Food Business Owner in Klang Valley, Malaysia	Completed
2.	Halah Saleh Mohammed Saleh	Assessment Of Knowledge, Attitude and Practice Towards the Exposure of Hydrogen Sulfide Among Oil and Gas Workers In Sudan	Completed

Attended Seminars/ Workshops/ Forums both National and International

No.	Year	Title	Organizers
Conference			
1.	2024	The European Geosciences Union (EGU) General Assembly, Vienna Austria	European Geosciences Union (EGU)
2.	2024	Sustainable Research and Innovation Congress (SRI) Helsinki	Future Earth
3.	2023	35th Annual Conference International Environmental Epidemiology, Kaohsiung, Taiwan (Presenter)	International Society Environmental Epidemiology (ISEE)
4.	2023	ICCT 2023 RMUTK: 11th International Conference on Creative Technology, Bangkok Thailand (Invited Speaker)	Rajamangala Krungthep University of Technology (RMUTK)
5.	2023	International Conference Innovative Solutions in Economy Transport, Logistics & Production (ISE2023) Legnica, Poland (Invited Speaker)	Malaysian Association for Aerosols and Air Quality Research & Monsoon Asian and Oceania Networking Group (MANGO)
6.	2022	10th International Symposium on Applied Engineering and Sciences (SAES2022), Malaysia-Japan (Presenter)	Kyushu Institute of Technology (KYUTECH)
7.	2022	CEPHA Symposium on Environmental Epidemiology and Health Risk, Malaysia (Invited Speaker)	Clean Environment and Planetary Health in Asia
8.	2021	Climate Change E-Colloquium	Ministry of Water and Environment Malaysia
9.	2021	Commonwealth Science Conference, United Kingdom	The Royal Society
10.	2019	International Conference on Climate Change, Kuala Lumpur Malaysia	Ministry of Water and Environment
Workshop			
1.	2024	Regional Workshop on Atmospheric Composition and Climate Change (Invited Speaker)	Malaysian Association for Aerosols and Air Quality Research
2.	2024	Malaysian Youth One Health Workshop Series 2 (Invited Speaker)	Malaysia One Health University Network (MyOHUN)
3.	2024	Allin-Wayra Community Scoping Workshop	Allin-Wayra