



ASSOCIATE PROFESSOR

DR. SALIZA BINTI MOHD ELIAS

CURRICULUM VITAE

EDUCATION

Philosophy Doctor (PhD)

2010 (Universiti Kebangsaan Malaysia)
Community Health

Master of Science (MSc)

2002 (Universiti Putra Malaysia)
Environmental Health

Bachelor of Science (BSc)

1998 (Universiti Putra Malaysia)
Nutrition and Community Health

EMPLOYMENT

Universiti Putra Malaysia, Serdang, Selangor

2010 – Current (Senior Lecturer)
2003 – 2010 (Tutor)

Ministry of Health Malaysia

2002 (Nutritionist)

CONTACT

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AREA OF SPECIALIZATION

Environmental Health
Community Health
Food Contamination
Heavy Metals
Microplastics
Used Cooking Oil
Health Risk Assessment

H-index (2024):

WoS 5, Scopus 6, Google Scholar 8

TEACHING SUBJECTS

- EOH4306 Health Research Methodology
- EOH3101 Principle of Environmental Health
- EOH3303 Environmental and Occupational Health Biostatistics
- EOH3404 Control and Management of Non-Infectious Diseases
- EOH4101 Environmental Health Monitoring and Analysis
- EOH 4999 Final Year Project
- EOH3000 Seminar
- EOH5304 Environmental & Occupational Health Research Methodology

ACHIEVEMENTS

- Total Research Grant: RM 386,700.
- Total Community Grant: RM10,000.
- Publications: Journals 32, Books 5
- Supervision: PhD 6, MSc 6, BSc 66
- Head of Environmental Health Unit, Department of Environmental & Occupational Health, FMHS, UPM (2020-21)
- Program Coordinator for Bachelor of Sains (Environmental and Occupational Health) UPM: 2012 - 2018
- Jawatankuasa Kecil Kurikulum UPM: 2017- 2023
- Ethic Committee for Research Involving Human Subjects of UPM (JKEUPM): 2020 – Current
- Panel of Assessor for UPM Swa-Acreditation: 2018 - current
- Jawatankuasa Kawasan Rukun Tetangga Taman Desa Jati , Nilai, Negeri Sembilan (KRTDJ): 2022 -2025
- Award of Excellent in Service 2023 UPM
- Adjunct Professor in the Faculty of Public Health, University of Hasanuddin, Makassar, Indonesia (2024-2027)
- Speaker of Guest Lecture, Faculty of Public Health, Universitas Airlangga, Indonesia (2022-2023)
- External Academic Advisor for Undergraduate Program Universiti Selangor
- External Examiner & Consultant for Diploma Program, Asia Metropolitan College, Kuching
- External Moderator for Diploma Program, Segi College KL
- National Environmental Health Action Plan Thematic Working Group 10: Environmental Health Expert (NEHAP TWG10), Ministry of Health Malaysia(2023-2025)
- Member of Malaysian Association of Environmental Health (MAEH)
- Member of Chartered Institute of Environmental Health (CIEH) London
- Member of Nutrition Society of Malaysia

PERSONAL INFORMATION

1.	Name	Saliza Binti Mohd Elias		
2.	Department	Department of Environmental and Occupational Health		
3.	Faculty	Faculty of Medicine & Health Sciences, Universiti Putra Malaysia, 43400 UPM , Serdang,Selangor, Malaysia.		
4.	Area of Specialization	Environmental Health: Environmental contamination and human health effects, Health Risk Assessment, Nutrition and Food Safety, Community Health		
5.	Staf Number	A 03795		
6.	Date of Birth	11 June 1974		
7.	Contact No	603-97692402 (office) 603-97692395 (fax) 016-2213574 (handphone) saliza_me@upm.edu.my (e-mail) https://orcid.org/0000-0002-6863-8647		
8.	Date of start of service	19 Jul 2010		
9.	Date of confirmation	1 Jan 2011		
10.	Date of appointment to current position	19 Jul 2010		
11.	Academic background	<p>Doctor of Philosophy (Community Health) Universiti Kebangsaan Malaysia (2010)</p> <p>Master of Science (Environmental Health) Universiti Putra Malaysia (2002)</p> <p>Bachelor of Science (Nutrition and Community Health) Universiti Putra Malaysia (1998)</p> <p>Sijil Rendah Pelajaran & Sijil Pelajaran Malaysia Sekolah Tuanku Jaadar, Kuala Pilah, Negeri Sembilan 1989 & 1991</p>		
12.	Teaching Activities	Code and Name of Courses	Credit Hour	Semester / Academic Year
		EOH 4306 Health Research Methodology	4 (3+1)	Sem 2 2010/2011 - Present
		EOH 3101 Principle of Environmental Health	3(3+0)	Sem 1 2013/2014 Sem 2 2020/2021- Present
		EOH 3303 Environmental and Occupational Health Biostatistics	3(3+0)	Sem 1 2019/2020
		EOH 3404 Control and Management of Non-Infectious Diseases	3(3+0)	Sem 1 2017/2018 - 2018/2019
		EOH 4999A&B Final Year Project	6 (0+6)	Sem 1 & 2 2011/2012 - 2013/2014
		EOH 3000 Seminar	1 (0+1)	Sem 2 2011/2012
		EOH 4101 Environmental Health Monitoring and	3(2+1)	Sem 1 2011/2012

		Analysis		
		EOH 3999 Final Year Project	6 (0+6)	Sem 1 & 2 2009/2010 - 2010/2011
		ENV 4999A Final Year Project	6 (0+6)	Sem 1 2003/2004
13.	Supervision of Students	PhD: Chairman: 1 Member: 4 Graduated: 5 Master: Chairman: 4 Member: 3 Graduated: 5 Final Year Project: Chairman:50 Member:12 Graduated: 62 Examiner for PhD: 1 Examiner for Master: 1		
14.	Publication	<i>H</i> -index (2024): Scopus = 6, WoS = 5, Google Scholar = 8, Research gate = 7		

Journal

CIJ: Corresponding Author

1.	Yusuf, S.N., Elias S.M. 2023. Knowledge, Perception and Practice Towards Microplastic Contamination in Human Body among Community in Ampang, Selangor and the Associated Sociodemographic Factors. <i>Malaysian Journal of Medicine and Health Sciences</i> . 19 (SUPP14):56-70 https://doi.org/10.47836/mjmhs.19.s14.7
2.	Daud, N.I.M., Elias, S.M. 2023. Prevalence of Hypertension and Its Determinant Factors among Workers at Port Container Terminal. <i>Malaysian Journal of Medicine and Health Sciences</i> . 19 (SUPP14x):71-79 https://doi.org/10.47836/mjmhs.19.s14.8
3.	Abedinlah, A., *Elias, S.M. , Abu Bakar, S., Praveena, S.M., Rejali, Z., Jalaludin, J. (2022). Prevalence of GSTT1 and GSTM1 Gene Polymorphisms among Malaysian Pregnant Women. <i>Malaysian Journal of Medicine and Health Sciences</i> . 18(SUPP5): 91-96.
4.	Mohd Noor, F.A., *Elias, S.M. , Abu Bakar, S., Aris, A.Z., Md Zulkifli, H. (2022). Blood Heavy Metals (Arsenic, Cadmium and Lead) Concentration and Genetic Polymorphism of Glutathione S-transferase Genes Among Adults in Coastal Area of Melaka, Malaysia. <i>Malaysian Journal of Medicine and Health Sciences</i> . 18(SUPP5): 45-52
5.	Abedinlah, A., *Elias, S.M. , Praveena, S.M., Abu Bakar, S., Rejali, Z., Jalaludin, J. (2021). Methylmercury detection in Maternal Blood Samples by LC-ICP-MS. <i>Journal of Science and Technology</i> . 29(3): 2028-2044. doi.org/10.47836/pjst.29.3.45
6.	Mohd Noor, F.A., *Elias, S.M. , Aris, A.Z., Abu Bakar, S., Md Zulkifli, H. (2019). Determination of Arsenic and Lead level in blood of adults from coastal community in Melaka. <i>Malaysian Journal of Medicine and Health Sciences</i> , 15(Sp4):19-25.
7.	Md Zulkifli, H., *Elias, S. M. , Aris, A.Z., Abubakar, S. Mohd Noor, F.A. (2019). Seafood consumption and blood cadmium level of respondents along the coastal area of Melaka. <i>Malaysian Journal of Medicine and Health Sciences</i> , 15(Sp4):68-75.
8.	Shamsani, N. S., *Elias, S. M. , Yunus, F. H. & Abdl Aziz, N. (2019). Heavy metals (Pb, Cd, As)

	Content in instant noodles from Malaysian Market. <i>Malaysian Journal of Medicine and Health Sciences</i> , 15(Supp 3): 143-146. https://medic.upm.edu.my/upload/dokumen/20190826155031VOL_15_SUPP3_AUGUST_2019.pdf
9.	Abdul Aziz, A., * Elias, S. M. , & Sabran, M.R. (2018). Repeatedly heating cooking oil among food premise operators in Bukit Mertajam, Pulau Pinang and determination of peroxide in cooking oil. <i>Malaysian Journal of Medicine and Health Sciences</i> . 14 (SP2): 37-44.
10.	Abedinlah, A.,* Elias, S.M. , & Jeevanaraj, P. (2016). Prenatal exposure to methylmercury via fish consumption and child's health effect: article review. <i>Indian Journal of Environmental Protection</i> , 36(11): 910-915.

CIJ: Senior Author

1.	Widajati, N., Tiara, N., Martiana, T., Elias, S.M. , Priyani, Y. 2024. The effect of nutritional status and TNF alpha to lung function on marble craftman. <i>Jurnal Teknologi (Science & Engineering)</i> . 86(4):37-43.
2.	Sincihu, Y., Lusno, M.F.D., Mulyasari, T.M., Elias, S.M. , Sudiana, K., Kusumastuti, K., Sulistyorini, L., Keman, S. 2023. Wistar Rats Hippocampal Neurons Response to Blood Low-Density Polyethylene Microplastics: A Pathway Analysis of SOD, CAT, MDA, 8-OHdG Expression in Hippocampal Neurons and Blood Serum Aβ42 Levels. <i>Neuropsychiatric Disease and Treatment</i> . 19:73-83. doi.org/10.2147/NDT.S396556
3.	Hashim, Z., Fadzil, N.S.M., Fuad, S.R.M., Shamsudin, S.B., Isa, K. N. M., Song, T. T., Sieman, J. Elias, S.M. , Hashim, J.H. 2022. School Indoor Air Pollutants: In Relation to Allergy and Respiratory Symptoms among School Children in Urban Areas. <i>Pollution</i> : 948-962. DOI: 10.22059/POLL.2022.336619.1313.
4.	Elias SM , Hashim Z, Marjan ZM, Abdullah S & Hashim JH (2007). Relationship between blood lead concentration and nutritional status among Malay primary school children in Kuala Lumpur, Malaysia. <i>Asia Pac J Public Health</i> 19(3):29-37.

CIJ: Co-Author

1.	Mohidem, N. A., Osman, M., Hashim, Z., Muharram, F.M., Elias, S.M. , Ma'pol, A. 2024. Mapping hotspots of tuberculosis cases with validation on site in Gombak, Selangor, Malaysia. <i>Spatial Information Research</i> . 32:95-106. doi.org/10.1007/s41324-023-00545-x
2.	Widajati, N., Dzaki, M., Dwiyantri, E., Elias, S.M. , Jalaludin, J., Irmawati, A., Priyandani, Y. 2024. Relationship of water consumption, speed suitability, and fatigue to accidents in online motorcycle taxi drivers. <i>Malaysian Journal of Medicine and Health Sciences</i> 20(3): 229-236.
3.	Mohidem, N.A., Osman, M., Hashim, Z., Muharram, F.M., Elias, S.M. , Ma'pol, A. 2023. Mapping hotspots of tuberculosis cases with validation on site in Gombak, Selangor, Malaysia. <i>Spatial Information Research</i> . https://doi.org/10.1007/s41324-023-00545-x .
4.	Dahlan, N.D., Kurmanbekova, M., Yusoff, W.F.M., Elias, S.M. 2023. Physical Activity as a Health Determinant in Tropical Built Environments: A Multifaceted Intervention. <i>Environment and Urbanization ASIA</i> . 1:16. doi.org/10.1177/09754253221151143
5.	Isa, K.N.M., Jalaludin, J., Elias, S.M. , Mohamed, N., Hashim, J.H., Hashim, Z. (2022). Evaluation of the Relationship between Fractional Exhaled Ni-2 tric Oxide (FeNO) with Indoor PM10, PM2.5 and NO2 in Subur-3 ban and Urban Schools. <i>International Journal of Environmental Research and Public Health</i> . InPress.#
6.	Mohidem, N.A., Osman, M., Hashim, Z., Muharam, F.M., Elias, S.M. , Shaharudin, R. (2021). Association of sociodemographic and environmental factors with spatial distribution of tuberculosis cases in Gombak, Selangor, Malaysia. <i>PLoS ONE</i> .16(16):e0252146. doi.org/10.1371/journal.pone.0252146
7.	Mohidem, N.A., Hashim, Z., Osman, M., Muharam, F. M., Elias, S.M. , Shaharudin, R. (2020). Environment as the risk factor for tuberculosis in Malaysia: a systematic review of the literature. <i>Reviews on Environmental Health</i> .

	https://doi.org/10.1515/reveh-2020-0096
8.	Yaakub, N., Ranjan, M.Z., Baharuddin, M.R., Elias, S. , Zainuddin H., Noor, M.A.M. (2019). Content Validation of Occupational Health & Safety Monitoring Questionnaire (OHSMQ) For Occupational Stress Risk Assessment among Port Terminal Workers. <i>Journal of Advance Research in Occupational Health</i> . 5(1): 18-28. #
9.	Yaakub, N., Elias, S. , Zainuddin, H., Noor, M.A.M., Baharuddin, M.R. (2019). Developing a Risk Control Modifying Matrix in Assessing Occupational Stress in Port Terminal. <i>International Journal of Recent Technology and Engineering</i> . 8(1C2): 294-300. #
10.	Jeenanaraj, P., Hashim, Z., Elias, S.M. , & Aris, A.Z. (2019). Risk of dietary mercury exposure via marine fish ingestion: Assessment among potential mothers in Malaysia. <i>Exposure and Health</i> . doi.org/10.1007/s12403-017-0270-x. #
11.	Jeevanaraj, P., Hashim, Z., Elias, S.M. , & Aris, A. Z. (2016). Mercury accumulation in marine fish most favoured by Malaysian women, the predictors and the potential health risk. <i>Environ Sci Pollut Res</i> . DOI: 10.1007/s11356-016-7402-x. #
12.	Raihanah, C., Zailina, H., Ho, Y.B., Saliza, M. E. & Norida, M. (2016). Ultra high performance liquid chromatography technique to determine imidacloprid residue in rice using QuEChERS method. <i>International Food Research Journal</i> , 23(4),pp. 1396 – 1402. #
13.	Jeevanaraj, P., Hashim, Z., Elias, S.M. , Aris, A.Z. 2016. Mercury: A review on the target organs and toxic effects. <i>APEOHJ</i> . 2(3): 1-5
14.	Jeenaraj, P., Hashim,Z., Elias, S.M. , & Aris, A.Z.(2015). Total mercury (THg), lead (Pb), Cadmium (Cd) and arsenic (As) inhair samples: Method validation and quantification among women at reproductive age in Selangor. <i>International Journal of Science: Basic and Applied Research (IJBAR)</i> , 24(4): 332-347. #
15.	Chokeli,R., Hashim,Z., Ho, Y. B., Elias, S.M. , Mazlan, N. (2015). Health risk assessment of rice consumption: Analisis of imidacloprid residue in paddy and rice from Tanjung Karnag, Selangor. <i>International Journal of Science: Basic and Applied Research (IJSBAR)</i> , 20 (1):208-219. #
16.	Zailina H, Junidah R, Saliza ME , Shamsul BS & Jamal HH. (2011). Low blood lead concentrations and cognitive development of primary school children from three areas in Malaysia. <i>Journal of Environmental Science and Engineering</i> 5(3):10-21. #

Non-CIJ: Coresponding Author

1.	Dolen, A. P. & *Elias, S.M. (2016). Knowledge and practice of laptop ergonomics and prevalence of musculoskeletal symptoms among university students. <i>Asia Pacific Environmental and Occupational Health Journal</i> , 2(2): 8-18.
2.	*Elias S.M. , Noor Azman NA & Aris AZ. (2014). Heavy metals concentration in flesh muscle of selected salted fish and health risk assessment among adults in fishing villages in Malacca. <i>Health and Environment Journal</i> 5(3): 128-138

Non-CIJ: Senior Author

1.	Ari Rahmawati Putri, Aini Fadlila, Soedjajadi Keman, Elias, S.M. 2023. Influence of individual characteristics, behaviour and noise intensity on blood pressure in Ponorogo plastic industry's worker. <i>Periodic Epidemiology Journal</i> . 11(1): 17-24. doi.org/10.20473/jbe.v11i12023.17-24.
2.	Sincihu, Y., Sudiana, I. K., Kusumastuti, K., Keman, S., Sulistyorini, L., Lusno, M. F. D., Elias, S. M., & Hasina, S. N.
3.	Sincihu, Y., Keman, S., Elias, S.M., Mastan, J. A., Morina, S. 2022. Liver Abnormalities in Wistar Rats Exposed to Oral Intake of Polyvinyl Chloride Microplastics. <i>NeuroQuantology</i> . 20(8): 7810-7820

Non-CIJ: Co- Author

1.	Yaakub, N., Ranjan, M.Z., Baharuddin, M.R., Elias, S., Zainuddin H., Noor, M.A.M. (2019). Content Validation of Occupational Health & Safety Monitoring Questionnaire (OHSMQ) For Occupational Stress Risk Assessment among Port Terminal Workers. <i>Journal of Advance Research in Occupational Health</i> . 5(1): 18-28.
2.	Jeevanaraj, P., Hashim, Z., Elias, S.M., Aris, A.Z.2016. Mercury: A review on the target organs and toxic effects. <i>Asia Pacific Environmental and Occupational Health Journal</i> . 2(3): 1-5
3.	Jamaludin, M.I., Baharuddin, R, Dahlan, N.D., Elias, S.M. 2017. Journal of Occupational Safety and Health.
4.	Jeenaraj, P., Hashim,Z., Elias, S.M., & Aris, A.Z.2015. Total mercury (THg), lead (Pb), Cadmium (Cd) and arsenic (As) inhair samples: Method validation and quantification among women at reproductive age in Selangor. <i>International Journal of Science: Basic and Applied Research (IJBAR)</i> , 24(4): 332-347.
5.	Chokeli,R., Hashim,Z., Ho, Y. B., Elias, S.M., Mazlan, N. 2015. Health risk assessment of rice consumption: Analisis of imidacloprid residue in paddy and rice from Tanjung Karnag, Selangor. <i>International Journal of Science: Basic and Applied Research (IJSBAR)</i> , 20 (1):208-219.

Journals Abstract: Corresponding / Senior Author

1. Syed Tajuddin bin Syed Hassan, **Saliza Mohd Elias**, Jalalian Mehrdan. (2017). Critical Literature: Preparation Strategies. *Medical Technologies Journal*, 1(3): 47
2. Syed Tajuddin bin Syed Hassan, **Saliza Mohd Elias**, Jalalian Mehrdan. (2017). Research Excellence: The Imperative Primers. *Medical Technologies Journal*, 1(3): 48-49
3. Loke SL, ***Saliza ME** & Juliana J (2011). Indoor air quality and sick building syndrome among staff in government hospital wards. *Malaysian Journal of Public Health Medicine* 11 (Suppl. 2): 45-46.
4. Shauvina RT, ***Saliza ME**, Syafinaz AN (2011). Detection of Staphylococcus aureus isolated from nasal cavities and hands of food handlers in Universiti Putra Malaysia. *Journal of Community Health* 17 (Supplement 1): 69
5. **Saliza ME**, Zarida H, Aishah AL & Zaleha MI (2009). Dioxins concentration in breast milk and its association with baby's health. *Journal of Community Health* 15 (supp:1):71
6. **Saliza ME**, Zaleha MI, Zarida H & Aishah AL (2009). Relationship between maternal dioxins exposure and birth weight among mother-infant pairs in an industrial area. *Mal J Nutr* 15(2): S85
7. **Saliza ME**, Zaleha MI, Zarida H & Aishah AL (2008). Dioxins concentration in breast milk samples collected from two areas in Kuala Langat, Selangor. *Journal of Community Health* 14 (supp:1):61
8. Normalina Idris, ***Saliza Mohd Elias** & Shahrudin Md Sham (2005). A study of heat stress and physiological changes among male workers in petrochemical industry. *MJPHM* 5(supp:1): 46
9. **Elias S**, Hashim Z, Marjan Z, Abdullah AS and Hashim JH (2003). The relationship between blood lead concentration and nutritional status among primary school children in Kuala Lumpur. *Epidemiology* 14(5) :S37

Books / Chapter in Books: Corresponding / Senior Author

1. ***Saliza Mohd Elias**. (2014). Dioksin dan Kesihatan. Penerbit UPM, Serdang. ISBN 978-967-344-436-6

2. Hamizah Md Zulkifli, ***Saliza Mohd Elias**, Suhaili Abu Bakar, Ahmad Zaharin Aris and Farrah Atiqah Mohd Noor. (2019). Cadmium Concentration and Genetic Polymorphism of GSTM1, GSTT1 and GSTP1 in Blood Samples of Adult Respondents. In M.K. Faradiella, & H. Normala. *Socio-ecological prospects in environmental studies Volume 1*. Serdang: Penerbit UPM.
3. **Saliza Mohd Elias**. (2017). Kesan banjir kepada sumber makanan dan pemakanan. In A.R. Haliza, S. Rapeah, & A.A.W. Wan Nor Amila. *Banjir: Risiko Kesihatan dan Pengurusannya*. Batu Pahat: Penerbit UTHM.
4. ***Saliza, M. E.**, Fadilah, O., & Shahrudin, M. S. (2016). Interaksi nelayan dalam governans kelestarian di Melaka: Kandungan plumbum dalam ikan laut dan paras plumbum darah. In R. Muhammad Rizal, M. Mazlin, & A. Kadir, *Governans Kelestarian:Kesejahteraan Alam Sekitar dan Kesihatan Masyarakat di Malaysia* (pp. 125-137). Tanjong Malim: Penerbit UPSI.
5. ***Mohd Elias, S.**, Marzuki, A.M., Mokhtar, H., Geroge, C., Zakaria, N.A., & Aris, A.Z. (2014). Heavy metals (As, Cd, Cr and Pb) concentration in selected freshwater fishes and health risk assessment among adults in Kluang, Johor. In *From Sources to Solution: Proceedings of the International Conference on Environmental Forensics 2013*. Eds, Aris, A. Z., Tengku Ismail, T.H., Harun, R., Abdullah A. M. and Ishak, M.Y. Springer, Singapore, pp. 573-578. DOI:10.1007/978-981-4560-70-2_102.
6. **Saliza Mohd Elias**. (2010). Maternal dioxins exposure and its relationship with baby's health (Thesis written in Bahasa Malaysia). Universiti Kebangsaan Malaysia. Thesis.
7. **Saliza Mohd Elias**. (2001). The relationship between blood lead concentration and nutritional status among primary school children in Kuala Lumpur (Thesis written in Bahasa Malaysia). Universiti Putra Malaysia. Thesis. Call Number: FPSK(m) 2001 7.
8. **Saliza Mohd Elias**. Factors influencing the health status of female rubber tapper in Felda Kepis, Negeri Sembilan (Project paper written in Bahasa Malaysia). Universiti Putra Malaysia. 1998. Project paper. Call Number: FPSK 3 1998 19.

Proceedings: Corresponding / Senior Author

1. ***Saliza ME**, Fadilah O & Shahrudin MS. (2014). Kandungan plumbum dalam ikan laut dan paras plumbum darah dalam kalangan penduduk perkampungan nelayan di Melaka. Prosiding Seminar Penyelidikan Kelestarian 2014. UKM Kampus Langkawi. 10-13 Okt 2014. M/s: 98-107 (Proseeding)
2. ***Saliza Mohd Elias**, Juliana Jalaludin, Zailina Hashim & Abdah Md Akim. (2010). Health risk assessment of dioxins exposure among school children in two areas in Selangor, Malaysia: a preliminary study. Proceeding 2nd National Conference on Environmental and Health. Organized by School of Health Sciences & PERSALA, USM. Kota Bharu, Kelantan, Malaysia. 17-18th March. (Proceeding)

15.	Research Activities	Total : RM 386,700 PI : RM 323,700 Co-Researcher : RM 63,000	
	Principle Investigator	Title / Source of Fund	Amount (RM)
		Association of Indoor Air Quality (IAQ) with Fractional Exhaled Nitric Oxide (FENO), Asthma, Allergy, and Respiratory Systems among Lower Secondary Children in Selangor and Putrajaya (GP-IPS, 2 May 2018 – 1 Mar 2021)	19,500
		Genetic Polymorphism in Glutathione (GSTM1 and GSTT1) genes and Methylmercury Levels	104 200

		from a –Fish-eating Pregnant Women in Petaling District, Selangor (FR_KPT, 1 Aug 2016 – 31 Jan 2018)	
		Relationship between seafood frequency intake and heavy metal (As, Cd, Pb) concentration in blood sample among respondents in Malacca (GP-IPS, 1 Nov 2013-31 Okt 2015)	15,000
		Relationship between heavy metals (As, Cd and Pb) concentration and genetic polymorphism of GSTM1, GSTP1 and GSTT1 in blood sample among respondents in Malacca (FRGS-KPT, 1 Mei 2013-30 Apr 2015)	40,000
		Heavy metal concentration in seafood products and health risk assessment (RUGS UPM, 2011-2013)	30,000
		Food and environmental dioxins contamination among school children in industrial and rural area. (RUGS UPM, 2007-2009)	70,000
		The Study of Maternal Dioxins Exposure And Its Health Effects on the Babies (UKM Post-graduate Fund 2005 – 2007)	25,000
	Co-Investigator	Dermal Exposure to Pesticides and Health Effects of Paddy Farmers in Seberang Perak, Malaysia (GP-IPS, 15 Feb 2018 – 14 Feb 2019)	13,000
		Dermal Exposure Assessment Among Oil Palm Plantations Pesticide Handlers in Kinabatangan District, Sabah (GP-IPS 4 Dec 2017 – 4 Dec 2018)	20,000
		Determination of dioxins (chemical carcinogen) contamination in breast milk samples (Fundamental Research UPM 2006)	30,000
		Mekanisme penurunan fungsi kognitif melalui kematian sel neuron otak <i>Rattus Norwegicus</i> strain wistar akibat pemberian makanan mengandung mikroplastik sekunder peroral (1.2.2021 – 31.12.2021)	Rp 99 810 000 (RM 30 498)
16.	Consultation	External Academic Advisor for undergraduate program Universiti Selangor. External Examiner and Consultant for Diploma in Environmental Health Programme, Asia Metropolitan College, Kuching. External Moderator for the diploma program of Segi College Kuala Lumpur.	
17.	Community/Industry Relation	Title / Activity	Amount (RM)
	Project Leader	Penghasilan sabun daripada minyak masak terpakai oleh KRT Taman Desa JAti Nilai (KTGS-UPM, 2022-2023)	10 000

		Health screening in conjunction with Environmental and Safety Health Week at Texas Instrument Kuala Lumpur (2021)	In-kind
		Webinar in conjunction with World Environmental Health Day celebration: <i>Bicara Alumni: Profesional Kesihatan Persekitaran dan Pekerjaan mendepani Covid 19.</i> (24.9.2021)	In-kind
		Health screening and health awareness exhibition on occupational health in conjunction with Environmental and Safety Health Week at Texas Instrument Kuala Lumpur. (4.2.2018).	In-kind
		Health screening and community health awareness exhibition in conjunction with the residential association's Family Day at Taman Acacia Park, Putra Nilai, N. Sembilan. (25.11.2018)	In-kind
	Invited Panel	Live telecast on a Talk show - Mingguan Wanita produce by ASTRO PRIMA. Astro Bukit Jalil. <i>Makanan laut: Syurga atau neraka</i> https://youtu.be/6wsaCF5NAUI	In-kind
18.	Recognition	Role	Year
		Adjunc Professor in the Faculty of Public Health, Hasanuddin University, Makassar, Indonesia	19.1.2024 – 31.12.2027
		Speaker of Guest Lecture, Faculty of Public Health, Universitas Airlangga, Indonesia	2022-2023
		National Environmental Health Action Plan Thematic Working Group 10: Environmental Health Expert (NEHAP TWG10)	2023-2025
		Invited Lecturer by PELITAWANIS TNB Cawangan Stesen Janakuasa Tuanku Muhriz, Port Dickson	29 Jul 2023
		Penceramah Bengkel Asas Sabun Daripada Minyak masak Terpakai anjuran KRT Taman Desa Jati Nilai Negeri Sembilan	4 Mac 2023
		Panduan Penyediaan Dokumen Program Pengajian UPM Edisi 2022	2022
		Panel Penilai Universiti Bagi Program Pengajian (COPPA), UPM	02.01.2018 – 02.01.2022
		Ahli Panel Penasihat Luar (Akademik) untuk Ijazah Sarjana Muda Sains Kesihatan Persekitaran (Kepujian), Universiti Selangor	01.05.2018 – 01.05.2020
		External Examiner cum Consultant for Diploma in Environmental Health Programme, Asia Metropolitan College, Kuching	01.01.2018 to 31.12.2018
		External Moderator for the subject of Chemistry (DIOSH), Fundamental Chemistry (DIMLT/DIEH), Food Hygiene (DIEH), Food Quality & Safety (DIEH) of Segi College Kuala Lumpur	2017 – 2021
		Member of the Board of Moderators for Diploma in Environmental Health & Diploma in Medical Lab Technologist, Segi College Kuala Lumpur	2010 – 2014
19.	Administrative Position	Position	Year
		Head, Environmental Health Unit, Dept. Environmental and Occupational Health,	2020-2021

		FMHS, UPM	
		Head, FMHS Quality Unit, UPM	01.01.2020 – 31.12.2021
		Program Coordinator for B. Sc. (Environmental & Occupational Health), UPM	1 Jul 2012 - 31 June 2018
		Program Coordinator for Year 3 Bac. Sc. (Environmental & Occupational Health)	2010 - 2011
20.	Committee / Membership	UPM	Year
		Jawatankuasa Etika Untuk Penyelidikan Melibatkan Manusia (JKEUPM), UPM	2020-2024
		Jawatankuasa Kecil Kurikulum Universiti	21.11.2017 – 20.11.2023
		Jawatankuasa Kurikulum Sains Kesihatan Fakulti, FMHS UPM	1 Jan 2013 – 31 June 2018
		Jawatankuasa Perpustakaan, FMHS UPM	2011 -2015
		Professional	
		Malaysian Association of Environmental Health (MAEH)	2022 - Current
		Chartered Institute of Environmental Health (London)	2010 - 2014
		Nutrition Society of Malaysia	2009 - 2012
		Community	
		Kawasan Rukun Tetangga (Neighborhood Watch) Taman Desa Jati, Nilai, Negeri Sembilan Jabatan Perpaduan dan Integrasi Nasional, Kementerian Perpaduan Negara	2022 - 2023
		Jiran Wanita Zon 4 Seremban, Jabatan Perpaduan dan Integrasi Nasional, Kementerian Perpaduan Negara	2022 - 2023
		Surau Darul Jannah, Taman Desa Jati (Acacia Park), Nilai, Negeri Sembilan	2022 - 2023
		Kejohanan Bola Sepak 9 Sebelah Uniti Terbuka Negeri Sembilan 2023	28 May 2023
21.	Student's Activities	Activity / Role	Year
		UPM Academic Advisor	2010 - Current
		MAEH – UPM Malaysia Summer Camp / Facilitator	2023
		Health screening in conjunction with Environmental and Safety Health Week at Texas Instrument Kuala Lumpur / Project Leader	2021
		Health screening and community health awareness exhibition in conjunction with the residential association's Family Day at Taman Acacia Park, Putra Nilai, N. Sembilan / Project Leader	25.11.2018
		ENVOCH Annual Dinner / Guest Lecturer	2014 - Current

List of Supervised Post-graduate Students

No	Name of Students and Title of Thesis	Main/Co-supervisor	Year Graduated
1.	Amirah binti Abedinlah (PhD)	Supervisor	2021

	Association of GSTM1 and GSTT1 genetic polymorphism with blood methylmercury level and birth outcome among fish-eating urban pregnant women		
2.	Nur Adibah binti Mohidem (PhD) Development of geospatial model for tuberculosis prediction in Gombak, Selangor, Malaysia	Co-Supervisor	2022
3.	Khairul Nizam bin Mohd Isa (PhD) Toxicology modelling of asthma prediction among secondary school children exposed to air pollutants	Co-Supervisor	2022
4.	Norwahida Yakub (PhD) Development of semi-quantitative model for occupational stress risk assessment matrix at port terminal in Penang, Malaysia	Co-supervisor	2022
5.	Nur Azalina Suzianti bt Feisal (PhD)	Co-supervisor	2020
6.	Pravina Deligannu (PhD) 'Dietary mercury exposure model using hair and blood mercury as biomarker among women at child bearing age'	Co-supervisor	2017
7.	Murni Illani Jamaludin (PhD) THE DEVELOPMENT OF SEMI-QUANTITATIVE AGRICULTURE SAFETY AND HEALTH RISK ASSESSMENT MATRIX (ASHRAM): PALM OIL PLANTATION SECTOR IN MALAYSIA	Co-Supervisor	
8.	Hamizah binti Md Zulkifli (MSc) Cadmium concentration and genetic polymorphism of GSTM1, GSTP1 and GSTT1 in blood samples of respondents from Melaka, Malaysia	Supervisor	2019
9.	Farah Atiqah binti Mohd Noor (MSc) Seafood consumption pattern and its relationship with blood arsenic, blood lead and genetic polymorphism of GST genes among the coastal community of Melaka, Malaysia	Supervisor	2019
10.	Khadijah binti Mohammad (MSc) Dermal exposure to pesticides and health symptoms of paddy farmers in Seberang Perak, Malaysia	Co-supervisor	2021
11.	Raihanah bt Chokeli (MSc) Imidacloprid residue in paddy, unpolished and polished rice, and health risk assessment of rice consumption in Tanjung Karang, Malaysia.	Co-supervisor	2016

List of Supervised Under-graduate students

No	Name of Students and Title of Thesis/Project	Main/Co-supervisor	Year Graduated
1.	SITI NORDIANA BINTI YUSUF The association between sociodemographic factors, knowledge, perception and practice towards microplastic contamination in human body among community in Ampang, Selangor	Main Supervisor	2023

2.	NURUL NAJWA BINTI ABDULLAH Factors influencing knowledge, perception and practice regarding community preparedness during flood among community in Hulu Langat, Selangor	Main Supervisor	2023
3.	WAN MUHAMMAD FAHIM BIN WAN AZLAN Association between prolonged sitting and musculoskeletal disorders among university students in Faculty of Medicine and Health Sciences Universiti Putra Malaysia	Main Supervisor	2023
4.	MUHAMAD ZARIF BIN MOHD SHURKRI Awareness of parents on the health effect of heavy backpack among the primary school children in Seri Kembangan, Selangor	Main Supervisor	2023
5.	NUR ANIS SURAYA BINTI AWANG DETERMINATION OF PEROXIDE VALUE IN REPEATEDLY HEATED COOKING OIL COLLECTED FROM THE FOOD PREMISES IN SERDANG, SELANGOR	Main Supervisor	2022
6.	MOHAMAD HAFIZ IQBAL BIN MAZUAN DETERMINATION OF PEROXIDE VALUE IN REPEATEDLY HEATED COOKING OIL COLLECTED FROM THE FOOD PREMISES IN SRI SERDANG, SELANGOR	Main Supervisor	2022
7.	MUHAMMAD AIMAN IRFAN BIN ZAILANI DETERMINATION OF PEROXIDE VALUE IN REPEATEDLY HEATED COOKING OIL COLLECTED FROM THE HOUSEHOLD OF KAMPUNG DATO ABU BAKAR BAGINDA	Main Supervisor	2022
8.	Azmin Najihah Bt Abd. Rahman Prevalence Of Diabetes And Its Determinant Factors Among Workers At Port Container Terminal	Main Supervisor	2020
9.	Nurul Izzati Binti Mohamad Daud Prevalence Of Hypertension And Its Determinant Factors Among Workers At Port Container Terminal	Main Supervisor	2020
10.	Ahmad Naquib Bin Sarifudin Concentration Of Heavy Metals In Instant Noodles And Health Risk Assessment Among Private And Public University Students In Selangor	Main Supervisor	2020
11.	HANIS NASUHA BINTI ZUL THE LEVEL OF KNOWLEDGE AND PRACTICE OF REPEATEDLY HEATED COOKING OIL AMONG HOUSEHOLDS IN BALIK PULAU, PENANG	Main Supervisor	2021
12.	CATHY ANAK BONGLI ASSESSMENT OF STANDING DURATION AND ITS ASSOCIATION WITH MUSCULOSKELETAL DISCOMFORTS AMONG FOOD HANDLERS AT IOI CITY MALL, PUTRAJAYA.	Main Supervisor	2021
13.	NORSHEILA IZLYN BINTI KHAIRUL HADY STRESS AND ITS ASSOCIATED FACTORS DURING COVID-19 PANDEMIC AMONG TEACHERS IN GOMBAK, SELANGOR.	Main Supervisor	2021
14.	CHE MOHAMAD FIKRI BIN CHE ISMAIL	Main Supervisor	2019

	Level of knowledge and practice among banana fritterhawkers regarding oil quality under Kajang Municipal Council and determination of peroxide value in repeatedly heated cooking oil		
15.	NURUL NATASYA BINTI MOHD JAILANI Level of knowledge and practice among deep fried street food operators in Kajang, Selangor and determination of peroxide value in repeatedly heated cooking oil	Main Supervisor	2019
16.	UMMI AQILAH BT ABD AZIZ Level of Knowledge and Practice of Deep Fried Food Consumers in Kajang Regarding the Usage of Repeatedly Heated Cooking Oil	Main Supervisor	2019
17.	SYED LUQMAN HAKIM BIN SYED MUHAMMAD ZAHOR LEVEL OF KNOWLEDGE AND PRACTICE OF FRIED CHICKEN OPERATORS UNDER KAJANG MUNICIPAL COUNCIL REGARDING OIL QUALITY AND DETERMINATION OF PEROXIDE VALUE IN REPEATEDLY HEATED COOKING OIL	Main Supervisor	2019
18.	MUHAMMAD FAHZELI B. MOHD NAZRI DETERMINATION ARSENIC CONCENTRATION IN INSTANT NOODLES AND HEALTH RISK ASSESSMENT AMONG UNIVERSITY STUDENTS IN UNIVERSITI PUTRA MALAYSIA	Main Supervisor	2018
19.	NURUL FADZILAH BT HAMID LEAD CONCENTRATION IN INSTANT NOODLES AND HEALTH RISK ASSESSMENT AMONG UNIVERSITY STUDENTS	Main Supervisor	2018
20.	Farhanah Hanani Binti Yunus Concentration Of Cadmium In Instant Noodle And Health Risk Assessment Among Students At Sixth College,Upm	Main Supervisor	2017
21.	Nurhasanah Bt Abdullah Aziz Detection Of Arsenic In Instant Noodle And Health Risk Assessment Among Selangor Matriculation College Students	Main Supervisor	2017
22.	Nur Sabrina Binti Shamsani Lead Concentration In Instant Noodles And Health Risk Assessment Among Private University Students	Main Supervisor	2017
23.	Adriana Binti Abdul Aziz Practice of Repeatedly Heating Cooking Oil Among Food Premise Handlers In Bukit Mertajam, Penang And Determination Of Peroxide In Cooking Oil	Main Supervisor	2017
24.	NUR SARA ATHIRA RAMLI Heavy metals concentration (Cd, Pb, As and Cr) in cencaluk and health risk assessment among adult resident in Pantai Puteri, Melaka	Main Supervisor	2016
25.	CHAU MEI JIUN Association of lifting work with grip strength among airport cargo workers in Selangor	Main Supervisor	2015
26.	MUHAMMAD MUSYABBIR HAQIM Knowledge, attitude and practice of styrene relating to usage of polystyrene food packaging among UPM students	Main Supervisor	2015

27.	AMEERA SYAFIQAH BINTI MOHD SHUKOR Knowledge and practice on food safety among primary school children at Sri Serdang, Selangor	Main Supervisor	2015
28.	WAN ALIF AFIFI BIN GHAZALI Knowledge and practice of Biphenol A relating to the usage of Polycarbonate drinking water bottles among UPM students	Main Supervisor	2015
29.	AGNES PENNY ANAK DOLEN Awareness of laptop ergonomic and prevalence of musculoskeletal symptoms among UPM students	Main Supervisor	2015
30.	NOOR ANISA NABILA BINTI NOOR AZMAN Heavy metals (Pb, Cr, As & Cd) concentration in flesh muscle of selected salted fish and health risk assessment among adults in Kampung Kuala Sungai Baru, Malacca	Main Supervisor	2014
31.	CHRISTOPHER GEORGE Arsenic concentration in freshwater fish and health risk assessment among adults in two areas at Kluang, Johor	Main Supervisor	2013
32.	ANA MARDHIAH MARZUKI Lead concentration in freshwater fish and health risk assessment among adults in two areas at Kluang, Johor	Main Supervisor	2013
33.	HILALIYAH MOKHTAR Cadmium concentration in freshwater fish and health risk assessment among adults in two areas at Kluang, Johor	Main Supervisor	2013
34.	NOOR AZIYANTI ZAKARIA Chromium concentration in freshwater fish and health risk assessment among adults in two areas at Kluang, Johor	Main Supervisor	2013
35.	SUZILLA BT YAACOB Arsenic concentration in anchovy sauce (budu) and health risk assessment among residents in Tumpat, Kelantan	Main Supervisor	2012
36.	NURUL NURSUHADA BINTI MUSTAPHA Knowledge and Practices Of Phthalate Relating To Usage Of Personal Care Products	Main Supervisor	2012
37.	AZIEMAH BT ZULKIFLI Arsenic concentration in shrimp paste and health risk assessment in 2 villages in Melaka	Main Supervisor	2012
38.	NOR HUSNA BT HASSAN Cadmium concentration in anchovy sauce (Budu) and health risk assessment among residents in Tumpat, Kelantan	Main Supervisor	2012
39.	SYAZWANI BT AB KHALID Exposure to PM ₁₀ and respiratory health among quarry workers in Ipoh, Perak	Main Supervisor	2012
40.	NOR AISYAH BINTI ABD RAZAK Lead concentration in shrimp paste and health risk assessment among adult residents in 2 villages in Melaka	Main Supervisor	2012
41.	NURUL KHAIRUNISA BINTI MANSOR Knowledge and Practices Of Bisphenol A (BPA) Relating To Usage Of Polycarbonate Drinking Bottle	Main Supervisor	2012
42.	LISA PUTRIKU DIANA BT. AB. KAHAR Determination of cadmium contamination in canned fish and health risk assessment among students of Faculty Medicine and Health Sciences, Universiti Putra Malaysia	Main Supervisor	2012

43.	Loke Shiau Luan Indoor air quality and prevalence of sick building syndrome among staff in a government hospital wards.	Main Supervisor	2011
44.	Sebastian Saban Relationship between exposure to hand phone EMF and cognitive function among FPSK students.	Main Supervisor	2011
45.	Shauvina Rens Thomas Detection of <i>S. Aureus</i> on nasal and hands of food handlers in UPM.	Main Supervisor	2011
46.	Nazira Bt Haron Prevalence of sleep disturbance and depression among shift workers in Shah Alam.	Main Supervisor	2011
47.	Noraziera Bt Mohd Zain Prevalence and risk factors of work related upper limb disorder among factory worker.	Main Supervisor	2011
48.	Siti Rolizawati bt Mamat Blood lead concentration and neurobehavioral score among automotive factory workers	Main Supervisor	2010
49.	Nor Syahidah bt Kamjah Blood lead concentration and hemoglobin level among automotive factory workers in Rawang. Selangor	Co-supervisor	2010
50.	Fadilah bt Otok Lead in seafood and blood lead concentration of fisherman village community in Melaka.	Co-supervisor	2010
51.	'Adilah Bt Marzuki Blood lead concentration and working memory ability among primary school children in urban and rural area, Melaka	Co-supervisor	2010
52.	Normarlina Idris Kajian pendedahan tegasan haba di kalangan pekerja lelaki di kilang petrokimia.	Co-supervisor	2004
53.	Marhana Ahmad Prevalens tekanan kerja di kalangan guru Sek. Keb. Subang, Selangor	Co-supervisor	2004
54.	Lim Kah Yin Prevalens tekanan kerja di kalangan pekerja syif kilang pembuatan plastik, Ipoh, Perak.	Co-supervisor	2004
55.	Ng Wai Kit Work stress among registered nurses in acute wards in Hospital Tengku Ampuan Rahimah, Klang.	Co-supervisor	2004

