

CURRICULUM VITAE



Name: Irniza binti Rasdi
Position: Associate Professor
Department of Environmental and
Occupational Health
Faculty of Medicine and Health Sciences
Universiti Putra Malaysia
43400 UPM Serdang,
Selangor

T: 03-9769 2701
F: 03-9769 2395
Email: irniza@upm.edu.my
ORCID: 0000-0002-1653-0001
SCOPUS ID:

Education

1. PhD Health Sciences (Occupational Health). La Trobe University, Melbourne Australia. 2013
2. Master of Medical Sciences. Universiti Malaya, Kuala Lumpur, Malaysia. 2005
3. Bachelor Science (Hons) Environmental and Occupational Health. Universiti Putra Malaysia, Serdang, Selangor, Malaysia, 2004

Areas of Interest

1. Occupational Health
2. Occupational Health and Psychology
3. Hazard Identification, Risk Assessment & Risk Control (HIRARC)

Professional Qualification/ Membership/ Affiliation

1. Certified Trainer. Reducing Accident (Zero Vision). International Institute of Occupational Health (IOSH), UK
2. Certified Trainer. OSH-Coordinator. Department of Occupational Safety & Health (DOSH)

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
	Head of Unit	Unit of Occupational Safety and Health, Department of Environmental and Occupational Health, UPM
	Employer's representative	OSH Committee, Faculty of Medicine and Health Sciences, UPM
	Head of Unit	OSH Unit, Hospital Universiti Putra Malaysia
	Main Advisor	Persatuan Kebajikan Anak-anak Pahang, UPM
	Executive Board Member	Malaysian Association of Environmental Health (MAEH)
	Executive Committee Member	Malaysian Society of Occupational Safety and Health (MSOSH)

	Honorary Secretary	Environmental and Occupational Health Society (EOHS)
	Committee member in Occupational Health	Asian Pacific Environmental and Occupational Health Association (APOSHO)
2020 - Present	Curriculum Academic Advisor	Selangor University (UNISEL)
2019 - Present	Curriculum Academic Advisor	PICOMS International University College
	Committee member for 4th Strategy, National Program, OSHMP Plan 2021-2025.	Department of Occupational Safety and Health, Malaysia (DOSH)
2020 - Present	Technical Committee 2022	ISO45006
	Master HSE, University Kebangsaan Malaysia	External Curriculum Examiner

Publications

Journals (in 5 years)

1. Aidil Wajdi R, Irniza R, Sharifah Norkhadijah SI, Emilia ZA (2023). Return to Work (RTW) Challenges and Mental Health Issues Among Unemployed Persons in Selangor. *Mal J Med Health Sci* 19(SUPP10): 163-170.
2. Nur Adiba Abdul Ghapa, Hasni Hashim, *Irniza Rasdi, Emilia Zainal Abidin (2023). The Relationship Between Safety Culture Maturity and Mental Health among Workers in Automotive Industry. *Mal J Med Health Sci* 19(SUPP14): 101-108.
3. Mahmoud Al-Masaeed*, Anthony Paul O'Brien, Muhammad Alqudah, Michelle Guilhermino, and Irniza Binti Rasdi. (2023). An Investigation of Fatigue among Jordanian Nurses Measured Using the FAS: A Primary Quantitative Study. *International Journal of Medical Research & Health Sciences*, 2022, 11(1): 1-10
4. Chamnong Thanapop, Sasina Jit-akson, , Dusanee Suwankhong, , Irniza Rasdi, Warangkana Chankong, and Sasithorn Thanapop. Work Ability, Work-Related Health, and Effort–Reward Imbalance: A Cross-Sectional Study among University Staff during the COVID-19 Pandemic in Thailand. *Soc. Sci.* 2023, 12, 252.
5. Mohamad Jamil, P. A. S., Mohammad Yusof, N. A. D., Karuppiyah, K., Rasdi, I., How, V., Mohd Tamrin, S. B., ... & Almutairi, N. S. (2023). Concept development and field testing of wireless outdoor indicator system for use in monitoring exposures at work among Malaysian traffic police. *Toxics*, 11(4), 385-404.
6. Sivabalan Sanmugum¹, Karmegam Karuppiyah^{1,*}, Vivien How¹, Irniza Rasdi¹, Sivasankar Sambasivam¹. (2023). Effectiveness of the developed Hot-work chair prototype for Hot-work workers: A preliminary Study in the View of Ergonomics. *MJMHS-2023-0983.R1*
7. Nur Zafirah Athirah Zakaria¹, *Karmegam Karuppiyah¹, Nur Athirah Diyana Mohammad Yusof², Putri Anis Syahira Mohamad Jamil³, Irniza Rasdi¹, Shamsul Bahri Mohd Tamrin¹, Vivien How¹, Kulanthayan K.C. Mani⁴, Hassan Sadeghi Naeni. 2023.Protecting Those Who Protect Us: A Review of Psychosocial Factors and Musculoskeletal Disorders in Police Officers. *MJMHS-2023-0411.R1*.
8. Ismail, H., Abidin, E. Z., Rasdi, I., & Cheah, P. K. (2023). A Comparative Analysis of Auxiliary Enforcement Bodies for Security, Safety and Health Officer Roles in Malaysia-A Narrative Review. *Mal J Med Health Sci* 19(SUPP10): 239-249.
9. Sharifah Norkhadijah Syed Ismail^{1,2}, Nurul Azwa Muhamad Tamrin. Emilia Zainal Abidin, Irniza Rasdi, Aida Soraya Shamsuddin, Nurulain Mustafa Udin (2023). Assessing the Impact of COVID-19 on Solid Waste Generation and Environmental Health Footprint: A Case Study. *Mal J Med Health Sci* 19(SUPP10): 127-136.
10. Sharifah Norkhadijah Syed Ismail, 'Aliah Abdul Rahman Law. Irniza Rasdi, Aida Soraya Shamsuddin. (2023). The Role of Knowledge and Attitude on Waste Recycling Practices During the Post-pandemic Covid-19 Period Among Selected Communities in Selangor. *Mal J Med Health Sci* 19(SUPP10): 58-72
11. Irniza, R., Emilia, Z. A., SI, S. N., & Suwankhong, D. (2022). Workplace Sedentary Behaviour and Work-related Quality of Life Among Office Workers. *Malaysian Journal of Medicine & Health Sciences*, 18.
12. Indoor Air Quality and Psychosocial Factors Related to Sick Building Syndrome among Office Workers in New and Old Buildings of a Public University in Klang Valley, Malaysia. *Malaysian Journal of Medicine & Health Sciences*, *Mal J Med Health Sci* 18(SUPP5): 1-9.
13. Al-Sabhan, T. F., Ahmad, N., Rasdi, I., & Mahmud, A. (2022). Job Satisfaction Among Foreign Nurses In Saudi Arabia: The Contribution Of Intrinsic And Extrinsic Motivation Factors. *Malaysian Journal of Public Health Medicine*, 22(1), 275-283.

14. Mahmoud Al-Masaeed*, Anthony Paul O'Brien, Muhammad Alqudah, Michelle Guilhermino, Irniza, Rasdi. (2022). The Impact of Gender on Nursing Fatigue in Jordan: A Qualitative Study. *Azerbaijan Medical Journal*. 62(6): 2247-2258
15. Ranga, J. U., Ismail, S. N. S., Rasdi, I., & Karuppiyah, K. (2022). Waste Management Costs Reduction and the Recycling Profit Estimation from the Segregation Programme in Malaysia. *Pertanika Journal of Science & Technology*, 30(2).
16. Al-Masaeed M*, Alghawanmeh M, Al-Singlawi A, Alsababha R, Alqudah M, Alomari A, Alshawawreh M and Rasdi I (2021). An Examination of the Efficacy and Background of the Covid-19 Vaccine: Comparative Analysis. *Journal of Quality in Health care & Economic*. 4(5): 1-6.
17. Sharifah Norkhadijah Syed Ismail, Emilia Zainal Abidin, Irniza Rasdi, Nor Eliani Ezani, Nazri Che Dom, Aida Soraya Shamsuddin (2021). COVID-19: the Epidemiological Hotspot and the Disease Spread in Malaysia. *Malaysian Journal of Medicine and Health Sciences*. 17(SUPP8): 42-50.
18. Mohamed, N., Abidin, E. Z., Rasdi, I., Ismail, Z. S., & Ismail, N. H. (2021). Occupational Stressors Experienced by Police Officers during Coronavirus Disease (Covid-19) Outbreak–A Systematic Literature Review. *Malaysian Journal of Medicine and Health Sciences*, 167-176.
19. Mahmoud Al-Masaeed, Mansour Al-Soud, ETAF ALKHLAIFAT, Rawan ALSABABHA, Khaldoun Ismail, Nezar Alhabashneh, Sohayb ABU TAPANJEH, Muhammad Alqudah, Irniza Binti Rasdi. An Investigation of the Impacts of Covid-19 Pandemic Spread on Nurses Fatigue: An Integrated Literature Review. *World Journal of Innovative Research*. 9(6):20-24.
20. Mahmoud Al-Masaeed, **Irniza Binti Rasdi**, Muhammad Alqudah, Michelle Guilhermino, Anthony Paul O'Brien (2021). Integrated Literature Review and Comparison of Nursing fatigue and risk management in Jordan and Western country Nurses: triggers and mitigation strategies. *Aver Journal of Nursing & HealthCare*. 1(1): 1-9
21. Al-Masaeed M, O'Brien AP, **Rasdi I**, Alqudah M (2021) Examining Nursing Fatigue Levels and Antecedents: An Integrative Literature Review. *Int J Nurs Health Care Res* 04: 1214.
22. Siti Hasrina Abd. Rahman, Irniza Rasdi, Karmegam Karrupiah, Abdul Mujid Abdullah (2021). Risk Factors of Musculoskeletal Symptoms Among Healthcare Workers in a Public Hospital. *Mal J Med Health Sci* 17(SUPP8): 80-88.
23. Amirul Aiman Helmi, Eliani Ezani, Sharifah Norkhadijah Syed Ismail, Irniza Rasdi (2021). Temporal Analysis of Environmental Noise and Air Pollution Nearby a Government Hospital in Suburban Klang Valley, Malaysia. *Mal J Med Health Sci* 17(SUPP8): 95-100.
24. Mohammad Yusof, N. A. D., Karupiah, K., Mohd Tamrin, S. B., Rasdi, I., How, V., Sambasivam, S., ... & Mohd Suadi Nata, D. H. (2021). Effectiveness of lumbar support with built-in massager system on spinal angle profiles among high-powered traffic police motorcycle riders: A randomised controlled trial. *PLoS one*, 16(10), e0258796.
25. Jamil, P. A. S. M., Karuppiyah, K., Rasdi, I., How, V., Tamrin, S. B. M., Mani, K. K., ... & Hashim, N. M. (2021). Occupational hazard in Malaysian traffic police: special focus on air pollutants. *Reviews on Environmental Health*. 36(2):1-10.
26. Al-Masaeed, M., Alsababha, A. A. M. R., Alqudah, M., Ismail, K., Al-Soud, M., & **Rasdi, I.** (2020). B. Deciphering of SARS-CoV-2 Pathogenicity and Associated Clinical Implications. *Journal of Health Science*, 10(1): 1-8
27. Ismail, S. N. S., Abidin, E. Z., & **Rasdi, I.** (2020) A Case Study of Pasir Gudang Chemical Toxic Pollution: A Review on Health Symptoms, Psychological Manifestation and Biomarker Assessment. *Mal J Med Health Sci* 16(SUPP11): 175-184,
28. Jamil, P. A. S. M., Karuppiyah, K., **Rasdi, I.**, How, V., Tamrin, S. B. M., Mani, K. K., ... & Hashim, N. M. (2020). Associations of Occupational, Socio-Demographic and Lifestyle Factors with Lung Functions in Malaysian Traffic Policemen. *Annals of Global Health*, 86(1).
29. Jamil, P. A. S. M., Yusof, N. A. D. M., Karuppiyah, K., **Rasdi, I.**, Jalalludin, J., Tamrin, S. B. M., ... & Hashim, N. M. (2020). Malaysian Traffic Police in Highly Populated Areas: Is it Safe Working Outdoors on a Daily Basis?. *Aerosol and Air Quality Research*, 20.
30. **Irniza Rasdi**, Nur Fatimah Din, Nurulizyati Roni, Ahmad Shahrul Nizam Isha@Isa (2020). Fatigue Among Traffic Police Officers in Metropolitan City: Exploring Factors of Noise Exposure and Work Stressors. *Mal J Med Health Sci* 16(SUPP11):109-117.
31. Jaafa, N. H., **Rasdi, I.**, Mohamad, N. J., Darus, A., & Bakar, H.(2020) Quality of Work Life (QWL) and Riding Behaviour Among Civil Servants in Klang Valley. *Mal J Med Health Sci* 16(SUPP11):75-82.
32. Karmegam, K., **Irniza, R.**, MT, S. B., Vivien, H., Mani, K. K., Sivasankar, S., & MI, M. H. (2020). High-powered Police Motorcycle: Muscle discomfort among Malaysian Traffic Police. *Malaysian Journal of Public Health Medicine*, 20(Special1), 255-259.
33. Putri Anis Syahira, M. J., Karmegam, K., Nur Athirah Diyana, M. Y., **Irniza, R.**, Shamsul Bahri, M. T., Vivien, H., ... & Sivasankar, S. (2020). Impacts of pm 2.5 on respiratory system among traffic policemen. *Work*, 66(1): 25-29.

34. Noor Shaeda Ismail, **Irni Rasdi***, Emilia Zainal Abidin, Sarva Mangala Praveena (2019). Chemical health risk assessment for calcium carbide (CaC₂) used as fruits ripening agent among farmers and fruits sellers. *Asian J Agric & Biol.* 2019; Special Issue:125-130.
35. Nur Athirah Diyana Mohammad Yusof, Putri Anis Syahira Mohamad Jamil, Nurul Maizura Hashim, Karmegam Karuppiyah, **Irni Rasdi**, Shamsul Bahri Mohd Tamrin, Vivien How, Sivasankar Sambasivam (2019). Likert Scale vs. Visual Analogue Scale on Vehicle Seat Discomfort. Questionnaire: A Review. *Mal J Med Health Sci* 15(SP4): 159-164.
36. Kamaruzaman K, **Irni Rasdi*** (2019). The role of mosquito predators in the ecosystem in reducing the incidence of Dengue. *Asian J Agric & Biol.* 2019; Special Issue:131-137.
37. **Irni Rasdi***, Noraini Mohd Zin, Sharifah Norkhadijah Syed Ismail (2019). Factors of Job Satisfaction among Workers Exposed to Occupational Noise. *Malaysian Journal of Medicine and Health Sciences.* 15(SP4): 141-146.
38. Putri Anis Syahira Mohamad Jamil, Nur Athirah Diyana Mohammad Yusof, Nurul Maizura Hashim, Karmegam Karuppiyah, **Irni Rasdi**, Shamsul Bahri Mohd Tamrin, Vivien How, Sivasankar Sambasivam (2019). Respiratory Effects of Exposure to High Levels of Particulate Among Malaysian Traffic Police. *Mal J Med Health Sci* 15(SP4): 136-140,
39. Mezlan, NS; Zainal Abidin, E; Karuppiyah, K; **Rasdi, I**; Ismail, SNS; Ismail, NH. (2019). Development of Smart Fruit Basket for Pineapple Harvesting. *Malaysian Journal Medicine and Health Sciences*, Vol 15, SP4, 26-34
40. N Ismail Syed, J Ranga U. MF Irozi Ikmal and K Karuppiyah, **I Rasdi** (2019). Environmental impact, health risk and management cost of landfilling practice: A case study in Klang, Selangor, Malaysia. *Journal of Waste Management and Disposal.* 2(1): 1-12.
41. Nur Athirah Diyana , Karmegam Karuppiyah , **Irni Rasdi** , Vivian How , Shamsul Bahri Mohd Tamrin , Sivasankar S & Mohd Hafzi Md Isa. A Review: Muscle Discomfort of Police Officers in Vehicles. *Malaysian Journal of Medicine and Health Sciences* Vol.15 Supp 3, Aug 2019 (eISSN 2636-9346)
42. Noor Shaeda Ismail, **Irni Rasdi.** (2019). Hazard Identification, Risk Assessment and Risk Control (HIRARC) For the Use of Calcium Carbide (CaC₂) As Ripening Agent Among Mango Farmers in Northern Region of Malaysia. *International Journal of Agriculture, Forestry and Plantation*, Vol. 8 (June).
43. M.Y. Athirah Diyana, K. Karmegama, B.M.T. Shamsul, **R. Irni**, H. Vivien, S. Sivasankar, K.C.M. Kulanthayan (2019). Risk factors analysis: work-related musculoskeletal disorders among male traffic policemen using high-powered motorcycle. *International Journal of Industrial Ergonomics.* 2019 (1).

Conference Proceedings (in 5 years)

Oral Presentation. Irni Rasdi. Quality of Working Life and Riding Behaviour among Civil Servants. WRRSM Symposium 2021. 6 April 2021. Eugenia Ballroom, Palm Garden Golf Club, IOI Resort, Putrajaya

Books (If any)

1. Irni Rasdi & Azlan Darus (2019). Introduction to Occupational health: A Workbook. UPM Press.
2. Irni Rasdi*, Emilia Zainal Abidin, Sharifah Norkhadijah Syed Ismail, Suhainizam Muhamad Saliluddin, Aidalina Mahmud (2015). Mind Map: Control and Management of Infectious Diseases. ISBN: 978-967-13049.
3. Irni Rasdi (2017). Prinsip Kesihatan. Modul Pembelajaran. Penerbitan UPM

Chapter in Books (If any)

1. How Vivien, Zailina Hashim, Emilia Zainal Abidin, Sharifah Norkhadijah Syed Ismail, Sarva Mangala Praveena, Karmegam Karuppiyah and Irni Rasdi (2016). A Manual Guide to Building a Resilience Community: Community-based Participatory Approach. ISBN 9789832408352.
2. Irni Rasdi* dan Suhainizam Muhamad Saliluddin (2015). Kesan Pendedahan Partikel Terampai Kepada Kesihatan Mental dan Fizikal di Kalangan Polis Trafik. *Meneroka Interaksi Dinamik dalam Kesihatan Persekitaran.* 183-194. ISBN 789832408291.
3. Sharifah Norkhadijah Syed Ismail, Sarva Mangala Praveena, Emilia Zainal Abidin, Irni Rasdi (2014). Phd dan Saya. Penerbit UPM. ISBN 978-967-12680-0-1.
4. Emilia Zainal Abidin, Shamsul Bahri Mohd Tamrin, Karmegam Karuppiyah, Irni Rasdi. (2012). Occupational Health. Modul Pengajaran. Pendidikan Jarak Jauh (PJJ). Serdang. Penerbitan UPM.

Research Grants				
No.	Project Title	Amount (RM)	Year	Source of Fund
1.	Computer Vision Syndrome among lecturers during covid-19 pandemic			
2.	Work factors of depression, anxiety and stress among healthcare workers during covid-19 pandemic			
3.	Developing assessment tool to assess safety culture among automotive workers			
4.	Work-life balance and mental health among school teachers during pandemic			
5.	Fatigue and mental health among Malaysian offshore workers			
6.	Mental health and safety culture among Immigration workers			
7.	Fatigue and coping strategies among Jordanian nurses			
8.	Workplace support system, workplace issues and anxiety among workers with cancer			
9.	Safety Climate and safety culture among workers in Immigration Departments			
10.	Asbestos exposure and respirator health among Felda Settlements in Selangor			
11.	Modelling the factors of riding behaviour, fatigue and quality of life among Malaysian Workers			
12.	Safety Culture and Safety Climate in Small and Medium Industry			
13.	Calcium Carbide exposure and respiratory health among fruit farmers			
14.	Sick building syndrome, Indoor Air Quality and Mental Health among Laboratory Workers			
15.	Effectiveness of Kiken Yochi Behavioural Technique in Reducing musculoskeletal disorder among rubber tappers			
16.	The effectiveness of web-based psychosocial awareness intervention to improve psychosocial safety climate among workers			
17.	Participatory approach of training and awareness program to develop community-based preparation, response and recovery teams to build resilient communities			
18.	Development of water filter for flood victim			
19.	Evaluating Occupational Health among Traffic Policemen in Kuala Lumpur and Johor Bahru			

20. Cytotoxicity mechanism of glyphosate formulation with POEA and oil palm-based adjuvants on human epidermal cell line
21. Exposure to Organophosphate and Effects of Paraoxonase (PON1) Polymorphism on Serum Hormone Levels in Paddy Farmers in Tanjung Karang, Malaysia
22. Interventions to reduce discomfort during prolong riding process among motorcyclists
23. The fundamental health risk of electronic cigarettes and vaping: chamber experiment and field study to determine carcinogenic and non-carcinogenic risk
24. Burnout Level, Occupational and Environmental Health Risks Among Traffic Police Officers in Kuala Lumpur and Rural Districts in Negeri Sembilan

Awards/ Recognition (Current)				
No.	Name of awards	Award Authority	Award Type	Year

- 1.
- 2.

Professional Services/ Consultation			
No.	Year	Title	Authority

- 1.
- 2.

Student Supervision			
PhD (Main Supervisor)			
No.	Name	Title	Status

- | | | | |
|----|----------------------------------|--|------|
| 1. | Mahmoud Al-Maseed | | 2023 |
| 2. | Abdul Rahman Aref Ali Abu Shreea | | 2022 |
| 3. | Dr Noor Shaeda Ismail | | 2018 |

Master with Thesis (Main Supervisor)			
No.	Name	Title	Status

1.	Hasni Hashim		2024
2	Noor Hidayah Jaafa		2023
3.	Zuliza Md Saad		2017

Master without Thesis (Main Supervisor)

No.	Name	Title	Status
-----	------	-------	--------

- 1.
- 2.
- 3.

Attended Seminars/ Workshops/ Forums both National and International

No.	Year	Title	Organizers
-----	------	-------	------------

- 1.
- 2.

Intellectuals Property

Patent Granted

No.	Date	Patent No.	Name
-----	------	------------	------

- 1.
- 2.

Patent Field

No.	Date	Patent No.	Name
-----	------	------------	------

- 1.
- 2.