

CURRICULUM VITAE



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Education

1. PhD in Toxicology from Wageningen University, the Netherlands (2013-2017)
2. Master's in Health Sciences (Biomedical Science) from Universiti Kebangsaan Malaysia (2009-2012)
3. Bachelor in Environmental Health (Hons) from Universiti Kebangsaan Malaysia (2005-2009)

Areas of Interest

1. Toxicology
2. Environmental Health
3. Risk Assessment
4. Genotoxicity and Carcinogenicity
5. In Vitro In Vivo Extrapolation/ New Approach Methodologies (NAMs)

Professional Qualification/ Membership/ Affiliation

1. European Registered Toxicologist (ERT)
2. Interim Research Associate, Natural Medicines and Products Research Laboratory, Institute of Bioscience, UPM
3. Malaysian Society of Toxicology
4. Asian Society of Toxicology
5. Dutch Society of Toxicology

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
1. 2021-Present	President	Malaysian Society of Toxicology
2. 2023-2026	President	Asian Society of Toxicology
3. 2020-Present	Panel-of-Expert in First-in-Human Clinical Research	National Pharmaceutical Regulatory Agency, Ministry of Health Malaysia
4. 2021	Taskforce Member for Study on Strengthening the Environmental Governance (SEG) In Malaysia	Ministry of Environment & Water (KASA) Malaysia
5. 2019-Present	Young Scientist Network Affiliate	Academy of Science Malaysia

6.	2018-Present	Expert Committee of the Jelly Confectionery under Food Regulations Advisory Committee 1985	Ministry of Health Malaysia
7.	2024-2027	Ahli Jawatankuasa Kecil Kurikulum Universiti	UPM
8.	2024-2027	Taskforce Member for Education for Sustainable Development (ESD) in UPM	UPM

Publications

Journals (in 5 years)

1. **Abdullah, R.**, Nurfaranajieha, E. P., & Shafie, S. R. (2024). Mutagenic Potential of Fried and Boiled Keropok Lekor: A Study Using the Ames Test. *Asia Pacific Environmental and Occupational Health Journal*, 10(7).
2. How, V., Omar, A. N. D. B., **Abdullah, R.**, Ho, Y. B., & Waras, M. N. B. (2024). How knowledge, awareness and perceptions of pesticide residue risks in fruits and vegetables, influence purchase decisions across Malaysian communities. *Discover Food*, 4(1), 142.
3. Ab-Latif, N. I., **Abdullah, R.**, Omar, S., & Sanny, M. (2024). Risk Assessment of Polycyclic Aromatic Hydrocarbons and Heterocyclic Aromatic Amines in Processed Meat, Cooked Meat and Fish-Based Products Using the Margin of Exposure Approach. *The Malaysian Journal of Medical Sciences: MJMS*, 31(2), 130
4. Siti Soleha Ab Dullah, Mohd Redzwan Sabran, Hasiah Ab Hamid, and **Rozaini Abdullah**. (2023). Risk Assessment of Aflatoxin B1 in Herbal Medicines and Plant Food Supplements Marketed in Malaysia using Margin of Exposure and RISK21 Approaches. *Genes and Environment* 45(31):1-11
5. Nurul Nabilah Sahanudin and **Rozaini Abdullah**. (2023). Awareness on Traditional and Complementary Medicine among Undergraduate Students in Universiti Putra Malaysia. *Mal J Med Health Sci* 19(SUPP14): 80-90.
6. Nur Azra. M. Pauzi, Akmal Arif, Razali Mirad, Mohd Yusmaide Aziz, **Rozaini Abdullah**. (2023). Assessing the Risk of Estragole Consumption From Natural Products in the Malaysian Market by Using the Margin of Exposure Approach. *Mal J Med Health Sci* 19(SUPP11): 26-35.
7. Siti Soleha Ab Dullah, Aida Nurul Ain Ahmad Sabri, Nur Azra Mohd Pauzi, Hasiah Ab Hamid, Mohd Redzwan Sabran, **Rozaini Abdullah**. (2022). Aflatoxin B1 Reported in Herbal and Traditional Medicine and Its Risk Assessment. *Mal J Med Health Sci* 18(SUPP5): 30-37.
8. Alia Azwa Abd Rahman, Yu Bin Ho, NorShariza Nordin, Eugenie Sin Sing Tan, **Rozaini Abdullah**. (2022). Minimally Invasive Sampling Sources for Quality and Quantity of DNA for Telomere Length Measurement: A Review. *Mal J Med Health Sci* 18(SUPP5): 120-125.
9. Nur Azra. M. Pauzi, Manraj S Cheema, Amin Ismail, Ahmad Rohi Ghazali, **Rozaini Abdullah**. (2021). Are Genotoxic and Carcinogenic Compounds Present in Malaysian Traditional Medicines and Herbal Supplements? A Review Based on the Malaysian Herbal Monograph. *Mal J Med Health Sci* 17(SUPP8): 207-222.
10. Pauzi, NAM., Cheema, MS., Ismail, A., Ghazali, AR., and **Abdullah, R.** (2021). Safety assessment of natural products in Malaysia: current practices, challenges, and new strategies. *Reviews on Environmental Health*.
11. **Abdullah, R.** (2020). Malaysia: country report on children's environmental health. *Reviews on Environmental Health* 35(1):49-52.
12. **Abdullah, R.**, Wesseling, S., Spenkelink, B., Lousse, J., Punt, A., and Rietjens, I.M.C.M. (2020). Defining in vivo dose-response curves for kidney DNA adduct formation of aristolochic acid I in rat, mouse, and human by an in vitro and physiologically based kinetic modeling approach. *Journal of Applied Toxicology*. 1647-1660.
13. Nurul Hafizan Azahar, Siti Soleha Ab dullah, **Rozaini Abdullah**, Norizan Ahmat, Abdah Md Akim, and Hasiah Ab Hamid. (2019). Mutagenic Study of Benzimidazole Analogues with (+S9) and without (-S9) Metabolic Activation. *International Journal of Molecular Sciences* 20(18): 4324.
14. Sarva Mangala Praveena, Seoh Wei Teh, Ranjith Kumar Rajendran, Narayanan Kannan, Chu-Ching Lin, **Rozaini Abdullah**, and S. Suresh Kumar. (2018) Recent Updates on Phthalate Exposure and Human Health:

A Special Focus on Liver Toxicity and Stem Cell Regeneration. Environmental Science and Pollution Research: 1-10.

Conference Proceedings (in 5 years)

1. Nur Azra Mohd Pauzi, Mohd Firdaus Razali, Siti Soleha Ab Dullah, and **Rozaini Abdullah** (2024). Risk Assessment of Natural Genotoxic and Carcinogenic Chemicals from Malaysian Herbal Products and Plant-Based Supplements at the 5th Malaysian Congress of Toxicology in Malaysia from 13-14 November 2024.
2. Nor Faizah Mahbub and **Rozaini Abdullah** (2024). Presence of Phthalates and Di(2-ethylhexyl) adipate (DEHA) in Malaysian Cosmetic Products: A Comprehensive Gas Chromatography-Mass Spectrometry Study at the 5th Malaysian Congress of Toxicology in Malaysia from 13-14 November 2024.
3. Zhafri Zamkhuri and **Rozaini Abdullah** (2024). Next-generation risk assessment of contaminants present in herbal slimming products marketed in Malaysia at the 5th Malaysian Congress of Toxicology in Malaysia from 13-14 November 2024.
4. Nur Azra Mohd Pauzi and **Rozaini Abdullah** (2024). Risk assessment of pyrrolizidine alkaloids exposure in Malaysian natural products and herbal tea at the 5th Malaysian Congress of Toxicology in Malaysia from 13-14 November 2024.
5. **Rozaini Abdullah**, Mohd Firdaus Razali, and Farahdilla Abu Bakar (2024). Addressing Environmental Health and Toxicology Challenges in Malaysia: Towards Sustainable Solutions at International Conference on Environmental Pollutants and Toxicants Affecting Health: Collaborative Efforts for Improving Quality of Life in Bangkok from 19-21 June 2024.
6. **Rozaini Abdullah** (2023). Risk Assessment of Natural Genotoxic and Carcinogenic Chemicals from Herbal Products and Plant Food Supplements at the 10th International Congress of Asian Society of Toxicology (ASIATOX -X) in Taiwan from 17-20 July 2023.
7. **Rozaini Abdullah**, Nurul Huda Mohd Nor, and Siti Raihanah Shafie (2022). HEART-WORK in Toxicology at the International Putra Innocreative Carnival in Teaching and Learning in Serdang, Selangor from 25-28 October 2022.
8. Mohamad Pauzi NA and **Abdullah R.** (2022). Presence of Pyrrolizidine Alkaloids in Registered Natural Products in Malaysia at the 4th Malaysian Congress of Toxicology in Pahang, Malaysia from 16-17 November 2022.
9. **Rozaini Abdullah.** (2021). Exploring in silico toxicology from a Malaysian's perspective: The journey from Europe to back home at the 11th Congress of Toxicology in Developing Countries in Kuala Lumpur, Malaysia from 13-16 June 2021.
10. Ab dullah SS, Sabran MR, Hasiah AH, and **Abdullah R.** (2021). Risk Assessment of Aflatoxin in Herbal Medicines and Plant Food Supplements Marketed in Malaysia at the 11th Congress of Toxicology in Developing Countries in Kuala Lumpur, Malaysia from 13-16 June 2021.
11. Mohamad Pauzi NA, **Abdullah R.**, Cheema, MS., Ismail, A., and Ghazali, AR. (2021). The Presence of Genotoxic and Carcinogenic Phytochemicals in Medicinal Plants Based on the Malaysian Herbal Monograph at the 11th Congress of Toxicology in Developing Countries in Kuala Lumpur, Malaysia from 13-16 June 2021.
12. **Abdullah. R.**, and Mohd Isa, N.S. 2020. 'Risk Assessment of Estragole in Plant-Based Food Supplements from Malaysia using Margin of Exposure Approach' The Toxicologist: Late-Breaking Supplement, Supplement to Toxicological Sciences, 168 (1), Abstract #3381. In: The Society of Toxicology 59th Annual Meeting, California, the USA.
13. **R. Abdullah.**, 2019. 'Use of In Vitro and Physiologically Based Kinetic (PBK) Models to Support Human Risk Assessment' at the IUTOX 15th International Congress of Toxicology 2019.

Books

Integrated strategy for the assessment of kidney toxicity: the case of aristolochic acids (2017) Rozaini Abdullah.

DOI: 10.18174/403924.

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Research Grants				
No.	Project Title	Amount (RM)	Year	Source of Fund
1.	Development of an Integrated Strategy Using In Vitro-In Silico Methods for Risk Assessment of Natural Food-Borne Genotoxic and Carcinogen (Principal Investigator)	RM 120,952	2019	Ministry of Higher Education
2.	Risk Assessment of Pyrrolizidine Alkaloids from Malaysian Traditional Medicines and Herbal Supplements	RM 30,000	2021	Universiti Putra Malaysia
3.	Pesticide Health Risk Assessment Study Among Agricultural Farmers, and Communities in Malaysia (Co-Investigator)	RM 115,000	2023	Industry
4.	Telomere Measurement and Serum Concentrations of Pesticides among Paddy Farmers and Their Comparative Group (Office workers) in Tanjung Karang, Selangor (Co-Investigator)	RM 25,000	2021	Universiti Putra Malaysia
5.	Determining the Presence of Antibiotic-Resistant Bacteria, Antibiotics, Pharmaceutical Drug Residues and Mutagenic Activities in the Effluent of Selected Hospitals in Selangor (Co-Investigator)	RM171,583	2024	Ministry of Higher Education

Awards/ Recognition				
No.	Name of awards	Award Authority	Award Type	Year
1.	Fellowship to attend the International Training Course on Fundamentals of Risk Assessment & Application of Risk Assessment Paradigm for Solving Real World Problems	Chulabhorn Research Institute, Thailand	Fellowship	2022
2.	Travel Award to attend the 2020/22 Society of Toxicology Annual Meeting in California, the USA.	International Union of Toxicology	Travel Grant	2022
3.	Invited as a representative for Malaysia in the Asia-Pacific Regional Meeting on Children's Environmental Health organized by Chulabhorn Research Institute and US National Institute of Environmental Health Sciences in collaboration with World Health Organization, South-East Asia Regional Office (WHO SEARO) and UNICEF East Asia and Pacific Regional Office (EAPRO).	Chulabhorn Research Institute, Thailand and WHO-SEARO	Fellowship	2019
4.	Fellowship to attend the International Training Course on	Chulabhorn Research Institute, Thailand	Fellowship	2019

Occupational and
Environmental Health

5. Fellowship to attend the Chulabhorn Research Fellowship 2019
International Training Course on Institute, Thailand
Environmental Toxicology

Professional Services/ Consultation			
No.	Year	Title	Authority
1.	2023	Guest Editor	Genes & Environment, BMC
2.	2023	Guest Editor	Malaysian Journal of Medicines and Health Sciences

Student Supervision			
PhD (Main Supervisor)			
No.	Name	Title	Status
1.	Nur Azra binti Mohamad Pauzi	Risk Assessment of Genotoxic and Carcinogenic Compounds in Malaysian Natural Products	Completed
2.	Zhafri bin Zamkhuri	Next-Generation Risk Assessment of contaminants present in herbal slimming products marketed in Malaysia	On-going

Master with Thesis (Main Supervisor)			
No.	Name	Title	Status
1.	Siti Soleha binti Abdullah	Risk Assessment of Aflatoxin B1 In Herbal Medicines and Plant Food Supplements Marketed in Malaysia Through Margin of Exposure Approach	Completed
2	Nor Faizah binti Mahbub	Safety Evaluation of Phthalates in Cosmetics Products in Malaysia Using Next Generation Risk Assessment (NGRA)	On-going

Master without Thesis (Main Supervisor)			
No.	Name	Title	Status
1.	Mohd Firdaus Bin Razali	Presence of aristolochic acids in herbal products and plant food supplements available on the Malaysian market and associated risk assessment	Completed

Attended Seminars/ Workshops/ Forums both National and International			
No.	Year	Title	Organizers
1.	2024	5 th Malaysian Congress of Toxicology in Selangor, Malaysia	Malaysian Society of Toxicology
2.	2024	International Conference on Environmental Pollutants and Toxicants Affecting Health: Collaborative Efforts for Improving Quality of Life	Chulabhorn Research Institute, Thailand
3.	2023	10 th International Congress of Asian Society of Toxicology (ASIATOX-X) in Taiwan	Asian Society of Toxicology
4.	2022	International Putra Innocreative Carnival in Teaching and Learning in Serdang, Selangor	Universiti Putra Malaysia

5.	2020	The Society of Toxicology 60 th Annual Meeting, California, the USA	Society of Toxicology
6.	2022	4 th Malaysian Congress of Toxicology in Pahang, Malaysia	Malaysian Society of Toxicology
7.	2021	11 th Congress of Toxicology in Developing Countries in Kuala Lumpur, Malaysia	Malaysian Society of Toxicology and International Union of Toxicology
8.	2020	The Society of Toxicology 59 th Annual Meeting, California, the USA	Society of Toxicology
9.	2019	5th International Congress of Toxicology in Hawaii, the USA	International Union of Toxicology

Intellectual Property			
Copyright			
No.	Year	Copyright No.	Title
1.	2024	CRDV2024S07937	Risk Assessment Strategy
2.	2024	CRLY2024S07933	Dunia Toksikologi: Waspada Bahan Beracun dan Kesannya