

CURRICULUM VITAE



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Department of Environmental and
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Education

1. PhD in Environmental Quality and Conservation, Universiti Putra Malaysia (2012)
2. B. Sc. (Environment), Universiti Putra Malaysia (2008)
3. Sijil Tinggi Persekolahan Malaysia (STPM), SMJK Yu Hua Kajang (2004)

Areas of Interest

1. Environmental Health
2. Environmental Pollution
3. Health Risk Assessment
4. Pesticides pollution
5. Polycyclic Aromatic Hydrocarbons (PAHs) pollution

Professional Qualification/ Membership/ Affiliation

1. Malaysian Industrial Hygiene Association (Member)
2. Persatuan Pegawai Akademik Universiti Putra Malaysia (Member)
3. Environmental and Occupational Health Society (Member)

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
1. October 2019	Associate Professor	Faculty of Medicine and Health Science, Universiti Putra Malaysia
2. Jan 2013	Senior Lecturer	Faculty of Medicine and Health Science, Universiti Putra Malaysia

Publications

Journals (in 5 years)

1. Tan, E.S.S.; Chin, S.A.F.X.; Sathapan, M.S.P.; Dewi, A.D.; Amini, F.; Bustami, N.A.; Tan, P.Y.; **Ho, Y.B.**; Tan, C.K. (2023). Mental Health and the COVID-19 Pandemic: Observational Evidence from Malaysia. *Int. J. Environ. Res. Public Health*, 20, 4046. <https://doi.org/10.3390/ijerph20054046> (Q1, IF: 3.39)
2. Sundram, T. K. M., Tan, E. S. S., Lim, H. S., Amini, F., Bustami, N. A., Tan, P. Y., Rehman, N., Ho, Y. bin, & Tan, C. K. (2022). Effects of Ambient Particulate Matter (PM2.5) Exposure on Calorie Intake and Appetite of Outdoor Workers. *Nutrients*, 14(22). <https://doi.org/10.3390/nu14224858> (IF: 6.706, Q1)

3. Al-Battawi, S., **Ho, Y. bin**, Latif, M. T., How, V., & Thilakavathy, K. (2022). Measurement of Leukocyte Telomere Length with Various Modifications to Cawthon's Method: A Review. In *Malaysian Journal of Medicine and Health Sciences* (Vol. 18, Issue SUPP5). (**Scopus**)
4. Azwa, A., Rahman, A., **Ho, Y. bin**, Nordin, N., Sin, E., Tan, S., & Abdullah, R. (2022). Minimally Invasive Sampling Sources for Quality and Quantity of DNA for Telomere Length Measurement: A Review. In *Malaysian Journal of Medicine and Health Sciences* (Vol. 18, Issue SUPP5). (**Scopus**)
5. Rudzi, S. K., **Ho, Y. bin**, Sin, E., Tan, S., Jalaludin, J., & Ismail, P. (2022). Exposure to Airborne Pesticides and Its Residue in Blood Serum of Paddy Farmers in Malaysia. In *International Journal of Environmental Research and Public Health*. <https://doi.org/10.3390/ijerph19116806> (**Q1, IF: 3.39**)
6. Rudzi, S. K., **Ho, Y. bin**, Sin, E., Tan, S., Jalaludin, J., & Ismail, P. (2022). Pesticides Exposure and Biomarkers of DNA damage: A Review. In *Malaysian Journal of Medicine and Health Sciences* (Vol. 18). (**Scopus**)
7. Elfikrie, N., **Ho, Y.B.**, Zaidon, S.Z., Juahir, H., Tan, E.S.S. (2020) Occurrence of pesticides in surface water, pesticides removal efficiency in drinking water treatment plant and potential health risk to consumers in Tenggi River Basin, Malaysia. *Science of The Total Environment* 712, 136540. (**Q1, IF: 5.589**)
8. Zaidon, S. Z., **Ho, Y. Bin**, Hashim, Z., Saari, N., & Praveena, S. M. (2020). Physicochemical Properties and Water Quality Parameter of Paddy Soil and Water and Their Relationship With Pesticides Concentration. *Malaysian Journal of Medicine and Health Sciences*, 16(May), 206–214. (**Scopus**)
9. Al-Battawi, S., **Ho, Y.B.**, Latif, M.T., How, V., Thilakavathy, K. (2019) Determination of Polycyclic Aromatic Hydrocarbons in Human Blood Samples Using Solid Phase Extraction and Gas Chromatography Mass Spectrometry-A Review. *Malaysian Journal of Medicine and Health Sciences* 15(SP4), 165-169. (**Scopus**)
10. Normina A.B., Noradhiah T., **Y.B. Ho**, C.K. Tan, M.S. Seghayat, Mirnalini Kandiah, A.Z. Aris, E.S.S. Tan (2019). Consumption of Malay Herbal Medicine (MHMs) During Pregnancy and Postpartum. *Indian Journal of Public Health Research & Development* (Accepted). (**Scopus**)
11. Zaidon, S. Z., **Ho, Y. B.**, Hamsan, H., Hashim, Z., Saari, N., & Praveena, S. M. (2019). Improved QuEChERS and solid phase extraction for multi-residue analysis of pesticides in paddy soil and water using ultra-high performance liquid chromatography tandem mass spectrometry. *Microchemical Journal* 145, 614-621. (**Q1, IF: 3.206**)

Conference Proceedings (in 5 years)

1. Normina A. B., **Ho Y. B.**, Tan C. K., A.Z. Aris, E.S.S. Tan, (2019). Consumption of Manjakani Among Postpartum Mothers and Risk of Heavy Metal Contamination. Abstracts of 6th Asia-Pacific Conference on Public Health Urbanisation Challenges for Health. *Med J Malaysia* Vol 74 Supplement 2 Aug 2019, p 23. (**Scopus**)
2. E.S.S. Tan, Normina A. B., **Ho Y. B.**, Tan C. K., A.Z. Aris, (2019). Heavy Metals in Angelicae Sinesis (Danggui) Consumed by Postpartum Mothers and Its Health Risk. Abstracts of 6th Asia-Pacific Conference on Public Health Urbanisation Challenges for Health. *Med J Malaysia* Vol 74 Supplement 2 Aug 2019, p 24. (**Scopus**)

Books (If any)

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Chapter in Books (If any)

1. **Ho, Y.B.**, Zakaria, M.P., Latif, P.A., Saari, N., (2014). Determination of Veterinary Pharmaceuticals Residue in Soil and Biological Materials: A Review of Current Analytical Methods. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (eds.) *From Sources to Solution: Proceedings of the International Conference of Environmental Forensics 2013*. Springer, Germany. pp101-1-106 (ISBN 978-981-4560-69-6)

Research Grants (Project Leader)				
No.	Project Title	Amount (RM)	Year	Source of Fund
1.	Telomere Measurement and Serum Concentrations of Pesticides among Paddy Farmers and Their Comparative Group (Office workers) in Tanjung Karang, Selangor	UPM/ GP-IPS RM25,000 (9702100)	2021	UPM
2.	Exposures of polycyclic aromatic hydrocarbons (PAHs) in PM2.5 and health impact on telomere length among adult population living in high and low traffic volume areas in Malaysia	MOE/ FRGS RM86,000 (5540106)	2019	Ministry of Higher Education
3.	Exposures of Airborne Pesticides and Relative Telomere Length in Peripheral Leukocytes Among Farmers	UPM/ GP-IPS RM25,000 (9652500)	2018	UPM
4.	Pesticides contamination in paddy soil and water and health risk assessment among paddy farmers in Tanjung Karang, Selangor	UPM/ GP-IPS RM20,000 (9478100)	2016	UPM
5.	Simultaneous quantification of commonly used pesticides in pesticides contamination air in Tanjung Karang paddy field and their associated health risk to nearby residents	UPM/ GP-IPS RM20,000 (9470100)	2016	UPM
6.	Simultaneous Quantification of 14 Commonly Used Pesticides in Personal Air and Blood Samples among Paddy Farmers: Health Impact on Leukocytes Telomere Length	FRGS/1/2015/SKK06/UPM/02/9 (RM142200)	2015	Ministry of Higher Education
7.	Development and application of HPLC-MS/MS Method for Simultaneous Quantification of Eight Persistent and Commonly Used Pesticides in Malaysian Agricultural Soil	9423900 (RM50,000)	2014	UPM

Awards/ Recognition (Current)				
No.	Name of awards	Award Authority	Award Type	Year
1.	World's Top 2 % Scientist	Standford University	International	2022
2.	Anugerah Perkhidmatan Cemerlang	Universiti Putra Malaysia	University	2015

Professional Services/ Consultation			
No.	Year	Title	Authority
1.	2019 - ongoing	Associate Editor	Malaysian Journal of Medicines and Health Sciences (MJMHS)
2.	2024	Primary Reviewer	Ethics Committee for Research Involving Human Subjects (JKEUPM)

Student Supervision			
PhD (Main Supervisor)			
No.	Name	Title	Status
1.	Al-Battawi Samer Saad Hameed	Association of polycyclic aromatic hydrocarbons in PM2.5 with leukocyte telomere length among adult population living in high and low traffic volume areas in Malaysia	Completed 2024
2.	Siti Zulfa Binti Zaidon	Development And Application Of HPLC-MS/MS Method For Simultaneous Quantification Of Commonly Used Pesticides In Paddy Soil And Water Samples And Its Associated Health Risk To Farmers In Tanjung Karang, Selangor	Completed 2019

Master with Thesis (Main Supervisor)			
No.	Name	Title	Status
1.	Alia Azwa Abd Rahman	Exposure of Pesticides And Relative Telomere Length Among Paddy Farmers	Completed 2023
2.	Siti Khairunnisa Rudzi	Exposures of airborne pesticides and relative telomere length in peripheral leukocytes among farmers	Completed 2021
3.	Hazwanee Binti Mohamad Hamsan	Simultaneous Quantification Of Commonly Used Pesticides In Ambient Air Samples Collected In Kuala Selangor And Its Associated Health Risk To Nearby Residents	Completed 2017

Master without Thesis (Main Supervisor)			
No.	Name	Title	Status
1.	Nurulizani Binti Elfikrie	Heavy Metals Contamination in Commercial Infant Food (CIF) And Their Potential Health Risk to Consumers	Completed 2024

Attended Seminars/ Workshops/ Forums both National and International			
No.	Year	Title	Organizers
1.	2013	Determination of Veterinary Pharmaceuticals Residue in Soil and Biological Materials: A Review of Current Analytical Methods	International Conference on Environmental Forensics 2013
2.	2014	Environmental Risk Assessment for Veterinary Antibiotics and Hormone in Malaysian Agricultural Soil	International Conference of Environmental and Occupational Health (ICEOH) 2014
3.	2018	Occurrence Of Pesticides in Tengi River and Pesticides Removal Efficiency in Sungai Sireh Drinking Water Treatment Plant and The Health Risk To Consumers	International Conference on Environment 2018

Intellectuals Property			
Patent Granted			
No.	Date	Patent No.	Name

1.	2012	PI2012000685	Method for Simultaneous Quantification of Veterinary Antibiotics and Hormones in Soil and Biosolids.
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No.	Date	Copyright No.	Name

1.	2022	LY2022W02710	Commercial Infant Food Frequency Questionnaire.
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