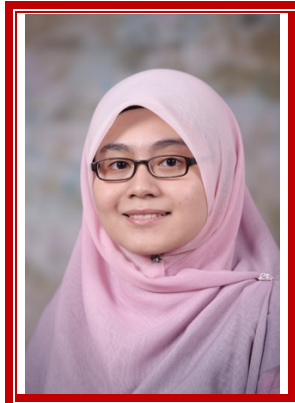


CURRICULUM VITAE



Hanis Hazeera Harith
Senior Lecturer
Department of Biomedical Science
Faculty of Medicine and Health Sciences
Universiti Putra Malaysia
43400 UPM Serdang, Selangor

T: 03-9769 2325

Email: hanishazeera@upm.edu.my

ORCID: 0000-0001-7066-8119

SCOPUS ID: 35728553600

Education

1. Bachelor of Science (Biotechnology), University of Adelaide (2007)
2. Bachelor of Health Science (Hons), University of Adelaide (2008)
3. Doctor of Philosophy (Pathology), University of New South Wales (2015)

Areas of Interest

1. Cell Biology and Cell Signaling
2. Chronic Inflammatory and Metabolic Diseases
3. Airway Disorders and Pulmonary Fibrosis
4. Therapeutic Potential of Natural Products
5. Cellular Agriculture

Professional Qualification/ Membership/ Affiliation

1. Malaysian Thoracic Society (MTS), Affiliate member
2. Asian Pacific Society of Respiratory (APSR), Member
3. European Respiratory Society (ERS), Member
4. Halal Products Research Institute, UPM, Interim Research Associate

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
1. 2023 - present	Final Year Project Coordinator	Bachelor of Biomedical Science with Honours
2. 2024 - present	Penyelaras 3P Program Putra Profesional Tahun 2024/2025	Faculty of Medicine & Health Sciences, UPM
3. 2022 - present	Supervisory Committee - Ahmad Khairul Aizad bin Ahmad Khairi, PhD	Internal Member
4. 2023 - present	Interim Research Associate	Halal Products Research Institute, UPM
5. 2021 - 2023	Academic Advisors Coordinator (Department's Representative)	Faculty of Medicine & Health Sciences, UPM
6. 2020 - 2023	Student Awards Coordinator (Department's Representative)	Faculty of Medicine & Health Sciences, UPM
7. 2019 - 2024	Supervisory Committee – Liew Kong Yen, PhD	Internal Member
8. 2019 - 2022	Supervisory Committee – Chan Yee Han, Ms	Internal Member



9. 2018 - 2022	Supervisory Committee - Ong Chun Hao, Ms	Internal Member
10. 2018 - 2024	Supervisory Committee – Muhammad Nazmi Firdaus Bin Musa, PhD	Internal Member

Publications

Journals (in 5 years)

1. Chan, Y. H., Harith, H. H., Israf, D. A., & Tham, C. L. (2020). Differential Regulation of LPS-Mediated VE-Cadherin Disruption in Human Endothelial Cells and the Underlying Signaling Pathways: A Mini Review. *Frontiers in cell and developmental biology*. 7; 280.
2. Taufek, N.M., Harith, H.H., Rahim, M.H.A., Ilham, Z., Rowan, N., Wan-Mohtar, W.A.A.Q.I. (2020). Performance of mycelial biomass and exopolysaccharide from Malaysian *Ganoderma lucidum* for the fungivore red hybrid *Tilapia* (*Oreochromis* sp.) in Zebrafish embryo. *Aquaculture Reports*. 17;100322.
3. Hasan, N.A.H.M., Harith, H.H., Israf, D.A. & Tham, C.L. (2020). The differential effects of commercial specialized media on cell growth and transforming growth factor beta 1-induced epithelial-mesenchymal transition in bronchial epithelial cells. *Mol Biol Rep*. 47(5):3511-3519
4. Yong, P.Y.A., Islam, F., Harith, H.H., Israf, D.A., Tan, J.W. & Tham, C.L. (2021) The Potential Use of Honey as a Remedy for Allergic Diseases: A Mini Review. *Frontiers in Pharmacology* 11: 599080
5. Tham, C.L., Yee, Y.S., Ong, C.H., Harith, H.H. & Israf, D.A. (2021) A Synthetic Curcuminoid Analogue, 2,6-bis-4-(hydroxyl-3-methoxybenzylidene)-cyclohexanone (BHMC) Ameliorates Acute Airway Inflammation of Allergic Asthma in Ovalbumin-sensitized Mice. *Mediators of Inflammation* vol. 2021, Article ID 9725903, 10 pages
6. Ong, C.H., Tham, C.L., Harith, H.H., Firdaus, N. & Israf, D.A. (2021) TGF- β -induced Fibrosis: A Review on the Underlying Mechanism and Potential Therapeutic Strategies. *European Journal of Pharmacology* 911: 174510.
7. Rohhimi, W., Tan, J.W., Liew, K.Y., Jacquet, A., Harith, H.H., Israf, D.A., Tham, C.L. (2021) Zerumbone attenuates house dust mite extract-induced epithelial barrier dysfunction in 16HBE14o- cells. *Immunopharmacol Immunotoxicol*. 43(6):813-824.
8. Liew, K.Y., Koh, S.K., Hooi, S.L., Ng, M.K.L., Chee, H.Y., Harith, H.H., Israf, D.A., Tham, C.L. (2022) Rhinovirus-Induced Cytokine Alterations With Potential Implications in Asthma Exacerbations: A Systematic Review and Meta-Analysis. *Front Immunol*. 13:782936.
9. Abd Rahim, M.H., Hazrin-Chong, N.H., Harith, H.H., Wan-Mohtar, W.A.A.Q.I., Sukor, R. (2023) Roles of fermented plant-, dairy- and meat-based foods in the modulation of allergic responses. *Food Science and Human Wellness* 12(3): 691-701.
10. Ong, C.H., Tham, C.L., Harith, H.H., Firdaus, N. & Israf, D.A. (2023) Drug Repurposing of Clinically Approved Drugs to Target Epithelial-Mesenchymal Transition Using Molecular Docking Approach. *Malaysian Journal of Medicine and Health Sciences*, 19(5): 15-23.
11. Lim, C.W., Liew, K.Y., Lim, S.H., Cheema, M.S., Sulaiman, P.S., Harith, H.H., Saidi, H.I. & Tham, C.L. (2024) Acquisition of aseptic techniques using virtual reality: a randomized trial on performance, emotion and experience. *Education and Information Technologies*. <https://doi.org/10.1007/s10639-024-12696-x>
12. Lim, C.W., Liew, K.Y., Lim, S.H., Cheema, M.S., Sulaiman, P.S., Harith, H.H., Saidi, H.I. & Tham, C.L. (2024) Student acceptance towards AsepticTech VR: a teaching and learning tool for cell and tissue culture aseptic techniques. *International Journal of Educational Technology in Higher Education* 21, 36.

Books

1. Problem-Based Learning in Biomedical Sciences / Abdah Md Akim. ISBN 978-967-344-650-6. Universiti Putra Malaysia Press 2017.

Research Grants				
No.	Project Title	Amount (RM)	Year	Source of Fund
1.	Investigating the relationship between the modulation of stathmin and TGF-beta1-mediated bronchial epithelialmesenchymal transition (EMT) implicated in asthma. (Principal Investigator)	60,000	2017-2019	Putra Grant - Putra Young Initiative (IPM)
2.	Suppression of Bronchial Smooth Muscle Cell Poliferation and Migration with synthetic tHGA	100,000	2017-2019	Geran Putra Berimpak UPM
3.	TRAIL as a molecular target to suppress airway remodeling for managing COPD and asthma (Principal Investigator)	140,200	2019-2021	Fundamental Research Grant Scheme (FRGS)
4.	Identification of the molecular target of cardamonin in a bronchial smooth muscle model through pathway disruption analysis	149,500	2019-2021	Fundamental Research Grant Scheme (FRGS)
5.	Synthesis and evaluation of metal carbonyl complexes as carbon monoxide releasing molecules potential for therapeutical applications	119,000	2019-2022	Fundamental Research Grant Scheme (FRGS)
6.	Acquisition of Proper Aseptic Technique using Virtual Reality to Improve the Learning and Research among Biomedical Science Undergraduate and Postgraduate Students.	20,000	2020-2022	Research Incentives for Teaching & Learning Grant (GIPP)
7.	Investigation of the effects of Tumour Necrosis Factor-Related Apoptosis Inducing Ligand (TRAIL) on the biological responses of human airway smooth muscle cells (Principal Investigator)	25,000	2021-2024	Putra Grant - Putra Graduate Initiative (IPS)
8.	Differentiation Of Sheep Induced Pluripotent Stem Cells Into Cultured Meat: Proof Of Concept	231,000	2022-2025	Geran Putra Berimpak UPM

Awards/ Recognition (Current)				
No.	Name of awards	Award Authority	Award Type	Year
1.	Evaluation Of Cytotoxicity Of Carbon Monoxide-Releasing Molecule-2 on A549 Lung Epithelial Cells	14th Malaysian Symposium of Biomedical Science 2024	3 rd place Poster Presentation (Therapeutic and Diagnostic Category)	2024
2.	Unpuzzling Concepts with Puzzles for the Learning of Cell Biology	International PutralInnoCreative Carnival in Teaching and Learning 2020 (PICTL2020)	Gold medal	2020
3.	Outstanding contribution in reviewing	Plasmid (Elsevier)	Outstanding contribution in reviewing	2018

Professional Services/ Consultation			
No.	Year	Title	Authority
1.	2023, 2024	Sarjana Sains (Imunologi Perubatan); Pusat Pengajian Sains Perubatan, USM	External Examiner (Thesis)



2.	2024	Master Sains (Fisiologi Manusia); Fakulti Perubatan & Sains Kesihatan, UPM	Internal Examiner (Thesis)
3.	2024	Sesi Perkongsian Sekolah Menengah Agama Johor Bahru – FPSK UPM	Speaker
4.	2024	Young Scientists Symposium 2023, UniKL MESTECH	Judge (Poster Presentation)
5.	2024	14th Malaysian Symposium Of Biomedical Sciences 2024	Advisor (Sponsorship Committee)
6.	2024	Young Scientist Day 2024	Sponsorship Committee
7.	2024	Molecular Medicine Report (Spandidos Publications)	Reviewer
8.	2023	11th Symposium of Applied Engineering and Sciences 2023 (SAES 2023)	Reviewer (Abstract)
9.	2023	International Putra Innocreative Carnival in Teaching & Learning 2023	Jury (Putra Innocreative Poster Competition)
10.	2023	Sarjana Sains Perubatan (Kejuruteraan Tisu); Pusat Kajian Kejuruteraan Tisu & Perubatan Regeneratif, UKM	External Examiner (Thesis)
11.	2023	Sarjana Sains (Imunologi Perubatan); Pusat Pengajian Sains Perubatan, USM	External Examiner (Thesis)
12.	2023	Experimental and Therapeutic Medicine (Spandidos Publications)	Reviewer
13.	2023	Immune System (Karger Publishers)	Reviewer
14.	2022	INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEARNING (i-PicTL2022)	Jury (Putra Innocreative Poster Competition)
15.	2022	Physiological Genomics (American Physiological Society)	Reviewer
16.	2022, 2021	Life Sciences (Elsevier)	Reviewer
17.	2019	Malaysian Journal of Medical And Health Sciences	Reviewer

Student Supervision

PhD (Main Supervisor)

No.	Name	Title	Status
1.	Raja Zarith Fatiah Binti Raja Malek Ridhuan	Trail As A Molecular Target To Suppress Airway Remodeling	Ongoing
2.	Gu Rong	The Role of Immune Cells in Lung Cancer: Molecular Mechanisms and Therapeutic Opportunities	Ongoing

Master with Thesis (Main Supervisor)

No.	Name	Title	Status
1.	Nur Amilia Hanie Binti Mohamad Hasan	Regulation Of Stathmin And Microtubule Stability In Bronchial Epithelial-Mesenchymal Transition	Graduated (2021)

Attended Seminars/ Workshops/ Forums both National and International

No.	Year	Title	Organizers
1.	2024	XI International Workshop on Lung Health	International Association for the Promotion of Specialized Training in Medicine and Biological Sciences (AFISM)
2.	2024	ERS Satellites 2024	European Respiratory Society



3.	2024	Total Cell Staining And Advanced Imaging For Quantitative In-Cell Western Data	PLT Scientific Sdn. Bhd.
4.	2024	Sesi Webinar Anjuran Persatuan Sains Bioperubatan Malaysia Dan Mesyuarat Agung Khas	Persatuan Sains Bioperubatan Malaysia
5.	2024	The A-Z of Severe Asthma Webinar	Malaysian Thoracic Society
6.	2024	Immunoinformatics Workshop 2024	Malaysian Genome and Vaccine Institute
7.	2024	SPD Research Roadshow 2024 (FMHS, UPM)	SPD Scientific Sdn. Bhd.
8.	2023	Redefining The Concept of Progressive Pulmonary Fibrosis	Malaysian Thoracic Society
9.	2023	Web of Science Certification Program 2023	Clarivate
10.	2023	10th Asia Respiratory Leadership Forum (ARLF) The journey of ZERO in asthma and COPD	Astra Zeneca
11.	2023	Seminar On Drug Repurposing And Precision Medicine	Precision Medicine Research Group UPM
12.	2023	1st Malaysia Cultivated Meat Conference 2023	Cell AgriTech
13.	2023	National Biology Symposium 2023	UKM
14.	2022	46th Annual Conference of the Malaysian Society for Biochemistry and Molecular Biology 2022 (MSBMB46)	Malaysian Society for Biochemistry and Molecular Biology
15.	2022	Bengkel TOT B Modul Pembangunan Profesionalisme Pelajar	Pusat Kokurikulum Dan Pembangunan Pelajar UPM
16.	2021	9th International Symposium on Applied Engineering and Sciences (SAES) 2021	Kyutech Institute of Technology & UPM
17.	2020	8th International Symposium on Applied Engineering and Sciences (SAES) 2020	Kyutech Institute of Technology & UPM
18.	2020	Visual Message Design: Crafting Infographics for Presentations	Centre for Academic Development (CADE) Universiti Putra Malaysia
19.	2019	ASEAN Emerging Researchers Conference 2019	YSN-ASM
20.	2019	Malaysia International Genetic Conference 2019 (MiGC 2019)	Persatuan Genetik Malaysia
21.	2019	27 th FAOBMB Conference & 44th Annual Conference of the MSBMB	Malaysian Society for Biochemistry and Molecular Biology