

CURRICULUM VITAE



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Education

1. Doctor of Philosophy	University of Nottingham, UK	2010	Human Genetics
2. Master of Science	Universiti Putra Malaysia	2004	Genetics
3. Bachelor of Biomedical Science	Universiti Putra Malaysia	1999	Biomedical Science

Areas of Interest

1. Human and population genetics.
2. Cytogenetics.
3. Human Genetic Disorders.
4. Molecular Genetics.

Professional Qualification/ Membership/ Affiliation

1. Malaysian Biomedical Science Association (MyBiomed)
2. Human Variome Project Malaysian Node (MyHVP)
3. Persatuan Genetik Malaysia

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
1. 2021-2025	Professional Development, Industry and Networking Executive Committee Member, MyBiomed.	
2. 2019-2025	Head, Unit of Molecular Biology and Bioinformatics, Department of Biomedical Sciences, Faculty of Medicine and Health Sciences, UPM	

Publications

Journals (in 5 years)

1. Irma Izani Mohamad Isa, **Suhaili Abu Bakar**, Siti Farah Md Tohid, Abdul Manan Mat Jais. Channa striatus cream down-regulates tumour necrosis factor (TNF)-Alpha gene expression and alleviates chronic-like dermatitis in mouse model. *Journal of Ethnopharmacology* 194 (2016) 469–474
2. Zahirunisa, Abd Rahim and **Suhaili, Abu Bakar** and Cheah, Yoke Kqueen and Faisal Ali, Anwarali Khan and Ahmad Hata, Rasit and Mohd Tajuddin, Abdullah (2017) A Preliminary Study On The Distribution Of Beta Defensins Copy Number Variable Gene In Different Ethnicity Of Sarawak, Malaysian Borneo. *Journal of Sustainability Science and Management*, 12 (1). pp. 102-113. ISSN 1823-8556
3. Noor Fatimah MF, **Suhaili A**, Juliana J. Assessing Biomarkers On Exposure, Effects And Susceptibility For Environmental And Occupational Exposure Of Various Range Of Benzene. *Malaysian Journal of Public Health Medicine* 2017, Special Volume (1): 7-18

4. Suhaimi, N.F., Jalaludin, J., **Bakar, S.A.** (2017) Cysteinyl leukotrienes as biomarkers of effect in linking exposure to air pollutants and respiratory inflammation among school children. *Annals of Tropical Medicine and Public Health* 10(2), pp. 423-431
5. Nurhayatie Sajali Sie Chuong Wong Umami Kalthum Hanapi **Suhaili Abu Bakar @ Jamaluddin**, Nor Asmara Tasrip Mohd Nasir Mohd Desa (2018). The Challenges of DNA Extraction in Different Assorted Food Matrices: A Review. *Journal of Food Science*. <https://doi.org/10.1111/1750-3841.14338>
6. Mohd Fairus Awang, Juliana Jalaludin, **Suhaili Abu Bakar@Jamaludin**, Noor Fatimah Mohamad Fandi. Exposure to PM2.5 and Micronucleus Frequency among Traffic Policemen in the Urban Areas of Klang Valley. *Malaysian Journal of Medicine and Health Sciences* Vol.15 Supp 3, Aug 2019 (eISSN 2636-9346)
7. Farrah Atiqah Mohd Noor, Saliza Mohd Elias, Ahmad Zaharin Aris, **Suhaili Abu Bakar**, Hamizah Md Zulkifli. Determination of Arsenic and Lead Level in Blood of Adults from Coastal Community in Melaka, Malaysia *Malaysian Journal of Medicine and Health Sciences* (eISSN 2636-9346).
8. Hamizah Md Zulkifli, Saliza Mohd Elias, Ahmad Zaharin Aris, **Suhaili Abu Bakar**, Farrah Atiqah Mohd Noor. Seafood Consumption and Blood Cadmium Level of Respondents along the Coastal Area of Melaka, Malaysia. *Malaysian Journal of Medicine and Health Sciences* (eISSN 2636-9346)
9. Ili Nabila Ismail ; Juliana Jalaludin* ; **Suhaili Abu Bakar** ; Nur Hazirah Hisamuddin ; Nur Faseeha Suhaimi. Association of Traffic-Related Air Pollution (TRAP) with DNA Damage and Respiratory Health Symptoms among Primary School Children in Selangor. *Asian Journal of Atmospheric Environment* - Vol. 13, No. 2, pp.106-116
10. Wan Nooremira Wan Rashidi, **Suhaili Abu Bakar** (2019) Glutathione S-Transferase: An Overview on Distribution of GSTM1 and GSTT1 Polymorphisms in Malaysian and Other Populations. *Malaysian Journal of Medicine and Health Sciences* (eISSN 2636-9346) https://medic.upm.edu.my/upload/dokumen/2019070210035513_MJMHS_SP2_2019.pdf
11. Jalilah Jamaluddin, **Suhaili Abu Bakar** (2019). A review on the Variable copies of C-C motif Chemokine Ligand 3 Like 1 (CCL3L1) Gene among Different Populations and Current Methods for Quantification. *Malaysian Journal of Medicine and Health Sciences* (eISSN 2636-9346) https://medic.upm.edu.my/upload/dokumen/2019070210042014_MJMHS_SP2_2019.pdf
12. Maryam Jamielah Yusoff, Zahirunisa Abd Rahim, Nurul Amiera Ghazi, Shi-Kee Chin, Mohd JokhaYahya, Noor Lita Adam, Patimah Ismail, **Suhaili Abu Bakar**. (2020) Quantification of Beta-Defensins (DEFB) Gene Copy Number Variations in Relation to Inflammation in Type 2 Diabetes Mellitus and Diabetic Nephropathy Patients. *Malaysian Journal of Medicine and Health Sciences* (eISSN 2636-9346) https://medic.upm.edu.my/upload/dokumen/2020010215010310_MJMHS_0102.pdf
13. Jamaluddin, J., Mohd Khair, N.K., Vinodamane, S.D., Othman, Z & **Abubakar, S.** Copy number variation of CCL3L1 among three major ethnic groups in Malaysia. *BMC Genet* 21, 1 (2020) doi:10.1186/s12863-019-0803-3
14. Mohamad Isa II, **Abu Bakar S**, Ab Rahman AK. Ethnicity as predictor of immune reconstitution among Malaysian HIV-positive patients treated with highly active antiretroviral therapy. *J Med Virol.* 2020;1-9. <https://doi.org/10.1002/jmv.25680> (IF:2.049)
15. Irma Izani Mohamad Isa, Jalilah Jamaluddin, Nurfarahin Hanini Achim, **Suhaili Abubakar**. Population-specific profiling of CCL3L1 copy number of the three major ethnic groups in Malaysia and the implication on HIV susceptibility. <https://doi.org/10.1016/j.gene.2020.144821>
16. Nurhayatie, , Yanty, Yuswan, , **Suhaili**, Wong, Sie Chuong, Desa, M. N. Desa, Analytical approaches of meat authentication in food Citation-Indexed Journal - Science Citation Index (JCR), Full Paper, Published, Wiley, International, [1-9], , 2020

17. Mohd Fairus Awang, Juliana Jalaludin*, **Suhaili Abu Bakar**, Mohd Talib Latif, Noor Fatimah Mohamad Fandi, Haris Hafizal Abd Hamid. Assessment Of Micronucleus Frequency And Respiratory Health Symptoms Among Traffic Policemen Exposed To Btex And Pm2.5 In Klang Valley, Malaysia. Jurnal Teknologi (Sciences & Engineering) 82:4 (2020) 71–80

Research Grants				
No.	Project Title	Amount (RM)	Year	Source of Fund
1.	Elucidating the role of polymorphisms in SLC22, MATE and ATM genes on the pharmacogenetics of metformin among three major ethnics of Malaysian Type 2 Diabetes Mellitus (T2DM) patients	177,400.00	2023-2026	FRGS
2.	Association of DEFB Gene copy number variation with CD4+ and viral load in Malaysian HIV-infected patients	20,000.00	2018	IPS-UPM
3.	Investigation of the origin and evolution of DEFB copy number variable genes using multigenerational family pedigree	25,000.00	2018	IPS-UPM
4.	Gene Profiling of GSTT1 and GSTM1 Polymorphisms in Healthy Malaysians	20,000.00	2016	IPS-UPM
5.	Relationship of copy number variables genes: CCL3L1 and beta defensins, and viral load, in influencing HIV/AIDS susceptibility, progression and severity	148,000.00	2013	FRGS
6.	Genomic analysis on the evolution of beta defensin gene and copy number in human and selected non human primates in Malaysia	15,000.00	2013	IPS-UPM
7.	The Influence of beta defensins copy number variable gene in relation to inflammation in diabetic patients	15,000.00	2013	IPS-UPM
8.	Candidate gene copy number analysis on diabetes cohort by microarrays, paralogue ratio test (PRT) and fragment analysis	32,000.00	2011	RU UPM

Student Supervision			
PhD (Main Supervisor)			
No.	Name	Title	Status
1.	Irma Izani Mohamad Isa	Copy Number Variation of C-C Chemokine Ligand 3-Like 1 (CCL3L1) and C-C Chemokine Receptor Type 5 (CCR5) and CCR2 Polymorphisms on the Outcomes of the Antiretroviral Therapy among Malaysian HIV Patients	Graduated
2.	Zahirunisa Abdul Rahim	Distribution and Evolution of Beta Defensin Copy Number Variable Gene in Sarawak Ethnics of Malaysian Borneo and Selected Non-Human Primates	On-Going
3.	Al Chalabi Mayyadah Khalid Ibrahim	Investigation Of 23 Y-Str Haplotype Diversity And Mtdna Hvs1 Sequence Variations Among Iraqi Faili Kurds Population	On-Going
4.	Muhammad Fikry bin Ahmad	Elucidating the role of SLC22, MATE and ATM genes polymorphisms on the metformin response among three major ethnics of Malaysian Type 2 Diabetes Mellitus (T2DM) patients	On-Going

Master with Thesis (Main Supervisor)			
No.	Name	Title	Status
1.	Nurul Azmah Binti Musa	Descriptive study on the origin and evolution of beta-defensins (DEFB) copy number variable gene using multigenerational family pedigrees	Graduated
2	Nurfarahin Hanini binti Achim	Association of Beta-Defensin gene copy number variation with CD4 Count and Viral Load In Malaysian ethnics (Malay, Chinese, And Indian) HIV patients after HAART Initiation	Graduated
3.	Wan Nooremira Wan Rashidi	Distribution of GSTM1 and GST11 polymorphism among three major ethnics in Malaysia and Caucasians	Graduated
4.	Jalilah binti Jamaluddin	Distribution of CCL3L1 Copy Number Variable Gene among Three Major Ethnics in Malaysia	Graduated
5.	Maryam jamielah Yusoff	Quantification of Beta-Defensins Copy Number Variable Gene In Relation to Inflammation in Diabetic Patients	Graduated