

PROFILE		
1	NAME	DR. MOHD NUR FAKHRUZZAMAN BIN NOORIZHAB
2	ACADEMIC POSITION	SENIOR LECTURER
3	STATUS OF APPOINTMENT	PERMANENT
4	CITIZENSHIP	MALAYSIAN
5	EDUCATION	<ul style="list-style-type: none"> • Doctor of Philosophy (Microbiology) Universiti Teknologi MARA, Malaysia • Master in Science (Molecular Microbiology) Universiti Teknologi MARA, Malaysia • B.Sc. (Hons.) (Medical Laboratory Technology) Universiti Teknologi MARA, Malaysia
6.	LANGUAGE	<ul style="list-style-type: none"> • Malay • English
7	WORKING EXPERIENCE	<ul style="list-style-type: none"> • Lecturer, Universiti Teknologi MARA, April 2019 - Present • Lecturer, Nilai Universiti, June 2011- Jan 2013 • Part-time Lecturer, Universiti Industri Selangor, February 2010 – May 2010
8	CURRENT ACADEMIC RESPONSIBILITIES	▪
9	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> ▪ Precision health and precision medicine ▪ Bioinformatics and big data analytics ▪ Molecular biology and molecular genetics
10	PUBLICATIONS	<p><u>Journal articles (Indexed SCOPUS/WoS):</u></p> <p>Nur Izzati Umar Zaman, Teh Lay Kek, Rohana Ahmad, Mohd Nur Fakhruzzaman Noorizhab, Mohd Salleh Rofiee, Richard Johari James, Norazmir Md Nor, Mawarni Mohamed, Teoh Sian Hoon, Parmjit Singh Arepar Singh, Roziah Mohd Janor, Sahol Hamid Abu Bakar, Mohd Zaki Salleh (2023). Signatory metabolomics biomarkers of stress, anxiety, and depression: a proof of concept for precision health among university students: A cross-sectional study. <i>Precis Future Med</i>, 7(1):33-43. DOI: https://doi.org/10.23838/pfm.2022.00128</p>

	<p>Mohd Nur Fakhruzzaman Noorizhab, Norzuliana Zainal Abidin, Lay Kek Teh, Thean Hock Tang, Nneka Onyejebu, Chioma Kunle-Ope, Nwanneka E. Tochukwu, Michael A. Sheshi, Timothy Nwafor, Olaoluwa P. Akinwale, Ahmad Izuanuddin Ismail, Norazmi Mohd Nor, Mohd Zaki Salleh (2023). Exploration of the diversity of multi-drug resistant Mycobacterium tuberculosis complex in Lagos, Nigeria using WGS: Distribution of lineages, drug resistance patterns and genetic mutations. Tuberculosis, Volume 140, 102343, ISSN 1472-9792, https://doi.org/10.1016/j.tube.2023.102343.</p> <p>Azami NAM, Perera D, Thayan R, AbuBakar S, Sam IC, Salleh MZ, Isa MNM, Ab Mutalib NS, Aik WK, Suppiah J, ..., Johari NA, Ishak M, Yunus RIM, Anasir MI, Wong JE, Fu JYL, Noorizhab MNF, Sopian IS, Mokhtar MFM, Md Shahri NAA, Ghafar K, Yusuf SNHM, Noor YM, Jamal R (2022). Malaysia COVID-19 Genomics Surveillance Consortium. SARS-CoV-2 genomic surveillance in Malaysia: displacement of B.1.617.2 with AY lineages as the dominant Delta variants and the introduction of Omicron during the fourth epidemic wave. Int J Infect Dis, Dec;125:216-226. doi: 10.1016/j.ijid.2022.10.044. Epub 2022 Nov 3. PMID: 36336246; PMCID: PMC9632236.</p> <p>Sani, H., Teh, L.K., Noorizhab, M.N.F., Salleh, M.Z., Kasim, S.S. (2022). Genetic Analysis of a Young Adult Presented with Acute Myocardial Infarction with No Traditional Risk Factors: A Novel Case Report. Malaysian Journal of Medicine and Health Sciences, 18(1), pp. 349–352.</p> <p>Nurul Ain Khoruddin, Wai Feng Lim, Lay Kek Teh, Mohd Nur Fakhruzzaman Noorizhab, Farida Zuraina & Mohd Yusof, Mohd Zaki Salleh (2022). Toward precision nutrition: A cross-sectional study on the genetic risks of nutrients deficiencies and eating behaviors among the Orang Asli and Malays. Precision Medical Sciences, 1-9.</p>
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		<p>methotrexate in Malaysian Childhood Acute Lymphoblastic Leukemia (ALL). <i>Pediatric Hematology and Oncology</i>, 37(3): 185-197.</p> <p>Uday Y. H. Abdullah, Hishamshah M. Ibrahim, Noraesah Binti Mahmud, Mohd Zaki Salleh, Teh Lay Kek, Mohd Nur Fakhruzzaman bin Noorizhab, Bin Alwi Zilfalil, Haitham Muhammed Jassim, Prapin Wilairat & Suthat Fucharoen (2020). Genotype-Phenotype Correlation of β-Thalassemia in Malaysian Population: Toward Effective Genetic Counseling, <i>Hemoglobin</i>, 44(3): 184-189.</p> <p>Uday Younis Hussein Abdullah, Nordin Simbak, Marwan Saad Azzubaidi, Raudhawati Osman, Hishamshah M. Ibrahim, Haitham Muhammed Jassim, Noraini Mat Yunus, Muhammad Farid Johan, Zilfalil Bin Alwi, Lay Kek Teh, Mohd Nur Fakhruzzaman & Mohd Zaki Salleh (2020). Hyperleucocytosis grading score and NPM1 gene mutation among patients with acute myeloid leukemia: Malaysian experience, <i>Journal of Hematopathology</i>, 13: 33-40.</p> <p>Uday Y.H. Abdullah, Hishamshah M. Ibrahim, Noraesah B. Mahmud, Mohamad Z. Salleh, Teh L. Kek, Mohd N.F.B. Noorizhab, Bin Alwi Zilfalil, Haitham M. Jassim, Prapin Wilairat & Suthat Fucharoen (2020). Genotype-phenotype Correlation of β-Thalassemia in Malaysian Population: Toward Effective Genetic Counseling. <i>Hemoglobin</i>, 44(3), 184-189.</p> <p>Mohd Nur Fakhruzzaman Noorizhab, Norzuliana Zainal Abidin, Zirwatul Adilah Aziz, Wai Feng Lim, Richard Johari James, Noorliza Mohd Noordin, Hani Mat Hussin, Norhayati Rusli, Zamzurina Abu Bakar, Farida Zuraina Md Yusof, Muhammad Hisyam Jamari, Teh Lay Kek, Norazmi Mohd Nor, Mohd Zaki Salleh (2019). Diversified Lineages and Drug Resistance Profiles of Clinical Isolates of Mycobacterium tuberculosis Complex in Malaysia. <i>International Journal of Mycobacteriology</i>, 8(4), 320-328.</p>
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<p>11</p>	<p>RESEARCH GRANTS</p>	<p>Principal Investigator</p> <ul style="list-style-type: none"> i. Understanding the Interplay Between Microbiome and Genetics Underlying Stunted Growth: Justification of New Therapeutics Options and Biomarker/S, FRGS, 2023 ii. Functional Genomics Validation of Phenotype-Genotype HG Database (FG-GP), DUCS-COE, 2022 iii. Identification of Genetic Factor Associated with Aortic Aneurysm and Dissection (AAD): A Genome Mining and Meta-Analysis Study,

		<p>Geran Penyelidikan Khas UiTM, 2020</p> <p>iv. <i>ACE2</i> Polymorphism: The Human Key for COVID-19 Entry and Severity, DUCS 2.0, 2020</p> <p>Co-investigator</p> <p>i. Genome Variation Map of Drug Metabolizing Enzymes (DME) And Drug Transporters (DT) of the Understudied Populations of the Aborigines and Malays in Malaysia and African Ethnic, PGRN, 2022</p> <p>ii. Functional Analysis of Genetic Variants Underlying Attention Deficit Hyperactivity Disorder Using Crispr-Cas9 Gene Editing in Zebrafish, FRGS, 2022</p> <p>iii. Unraveling the Causative Genetic Variants of Rare Diseases Among the Malaysians, DUCS-COE, 2022</p> <p>iv. Projek SARS-CoV-2 Genomics Surveillance melalui Program Strategik Memperkasa Rakyat dan Ekonomi (PEMERKASA), MOSTI-SRF, 2022</p> <p>v. Discovery of New COVID-19 Variants via a Large-Scale Genome Surveillance Program: A Pilot of 3000 Genomes, MOSTI-SRF, 2021</p>
12	POSTGRADUATE SUPERVISION	<p>Main Supervisor</p> <p>i. 2022276142, Harris Bin Azmi, Genetic Association Between <i>Ace2</i> Genetic Polymorphism on The Susceptibility and Severity of COVID-19, MSc</p> <p>ii. 2022698064, Umi Nabila Binti Mat Yusuf, Investigation of <i>LAMP2</i> Variation in Danon Disease: Functional Genomics Analysis in Zebrafish, MSc</p>

		<p>Co-supervisor</p> <p>i. 2021142609, Nur Izzati Binti Umar Zaman, Determinants of Executive Function Performance of the Younger Generation: Understanding the Genetic Variation of <i>BDNF-TRKB</i> and MicroRNA Regulatory Roles, PhD</p>
	UNDERGRADUATE SUPERVISION	
	INTERNSHIP SUPERVISION	
13	CONSULTATION/EXPERT MEETING/SPEAKER	<p>1) Consultations on qualitative and quantitative proteomics MS services at iPROMISE.</p> <p>2) Consultation on personal genome service at iPROMISE.</p>
14	REVIEWER	
15	AWARDS	<p>1) Anugerah Cemerlang Timbalan Naib Canselor (P&I) 2021</p> <p>2) Anugerah Cemerlang Timbalan Naib Canselor (P&I) 2020</p>
	INNOVATION AWARDS	
16	INTELECTUAL PROPERTY RIGHTS	
17	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	<p>1) Member of Malaysian Metabolomics Society (MyMS)</p>
18	PARTICIPATION IN CONTINUING EDUCATION	
19	COMMUNITY SERVICE	<p>1) ExploraScience Day @ iPROMISE – Committee Member</p>