



CURRICULUM VITAE

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Academic Qualification PhD (Molecular Biology) USM 2019
MSc (Biotechnology) USM, 2007
BSc (biotechnology) (Honours) UMS 2001
Fields of Specialisation Biotechnology and Bioinformatics.
Honours and Awards Gold Medal (IID-UiTM 2010/Innovation)
Silver Medal (IID-FSG 2009/Innovation)
Staff Excellent Award (UiTM 2009)
Talented Academician award (KUTPM 2006)

RESEARCH FUNDINGS

	Research Project	Source	Total Funds RM	Begin Year	End Year
1	A Novel Approach of Classification of Wild Banana (Musaceae) in Malaysia using DNA Barcoding	FRGS	95,000.00	2017	2019
2	Elucidating fish diversity with special reference to <i>Lutjanus johnii</i> biomass in a mangrove ecosystem through environmental DNA (eDNA) metabarcoding	FRGS	240,800.00	2016	2019
3	Genome-Wide Genetic Marker Discovery And Genotyping Of Malaysian Mahseer (<i>Tor</i> spp.) Using Next Generation Sequencing.	MOSTI	600,000.00	2013	2016
4	Characterization Of N-Acetylglucosaminidase Of <i>Staphylococcus Aureus</i>	FRGS	117,000.00	2008	2010
5	Molecular Studies Of Kelah <i>Tor</i> spp. Diversity In Taman Negara, Pahang.	FRGS	46,500.00	2009	2011

DANA KECEMERLANGAN / LESTARI / BESTARI UITM

	Research Project	Total Funds RM	Begin Year	End Year
1	Species Identification Of Ficus Deltoidea Species Using Molecular Technique & Cytological Studies	10,000	2008	2009
2	Computational Analysis Of Phylogenetic Trees Using Protein Sequence Database	4000	2008	2009
3	Amplification And Analysis Of matK gene as DNA Barcoding For Ficus deltoidea.	9000	2009	2010
4	“Sequence Analysis and Homology Modelling of a Coagulase Enzyme in <i>Staphylococcus aureus</i> ”	10,000	2009	2010
5	Computer Based Screening And Characterization Of Endogenous Lentivirus In Vertebrate Genome Project Database	20,000	2012	2014
6	Classification Of Wild Banana (Musaceae) In Malaysia Using DNA Barcoding	20,000	2016	2018
7	Full Genome Sequencing Of Dengue Virus (Denv) Using The Next Generation Sequencing (NGS) Technology	30000	2018	2020

POSTGRADUATE (RESEARCH) SUPERVISION:

	Students Name	Institutions	Year Enrolled	Year End
1	Nor Farah Syamira Bt Hamzani	UiTM	2010	2012
2	Puteri Dayana Binti Hamzah	UiTM	2010	2012

UNDERGRADUATE SUPERVISION:

No.	Students	Title	Level	Year
1	Rachael Devamalar P.D	Community Awareness of Disabled Person in Shopping Arcades of Kuala Lumpur	BSc	2006/2007
2	Mohd Juraime Mounay	Awareness of Breast Cancer Among Female students in KUTPM Shah Alam, Related to Cosmetic Product	BSc	2006/2007
3	Febby Effyana Aliruddin	Caffeine Addiction Leads To Human Disease	BSc	2006/2007
4	Kong Chiou Fei	Breastfeeding practices among married woman in Klang Valley Area	BSc	2006/2007
5	Janet Irdiasamy	Awareness of Breast Cancer	BSc	2006/2007
6	Muhammad Muharam b. Che Anawa	The Study on DNA Extraction for Amplification of mtDNA from Ficus deltoidea jack	BSc	2006
7	Prabu s/o Arumugam	Preliminary studies on Medicinal uses for <i>Circuma longa</i>	BSc	2006
8	Kausalyia d/o Sangaram	Preliminary studies on Medicinal uses for <i>Zingiber of ficinale</i>	BSc	2006
9	Nuhayatie Sulaiman	Active Site Hydrogen Bonding Interaction Patterns In Endothelial Nitric Oxide Synthase (Enos) Pdb Structures.	BSc	2006/2007

10	Alfred Simbun	The Study Of Hydrogen Bond's Functions In Protein Tyrosine Phosphatase 1b And The Relation With Diabetes Type Ii Using Bioinformatics Approaches	BSc	2006/2007
11	Arsih Anggriany Zulkarnia	Molecular Interactions Of Inhibitors Of Protein Tyrosine Phosphatase 1b; Comparison Between Sulfamic Acid, Heterocyclic Phosphonate Mimetics & Allosteric Inhibitor	BSc	2006/2007
12	Nurjannah Adenan	Protein-Ligand Hydrogen Bonding Interactions Of Inhibitors Of Protein Tyrosine Phosphatase 1b (Ptp1b); X-Ray Structures Comparison	BSc	2006/2007
13	Nur Adila Norkhdir	Comparisons Of Molecular Interactions Between Huperzine A, Rivastigimine And Donezepil/Aricept As Inhibitors Of Acetylcholinesterase (Ache)	BSc	2006/2007
14	Norashimah Mahadi	Active Sites Of Endothelial Nitric Oxide Synthase (Enos) Protein. Ligand Interaction Study Of Endothelial Nitric Oxide Synthase Inhibitors	BSc	2006/2007
15	Siti Aiesyah Binti Yahaya	PCR-RFLP Of V7 Region of mtDNA gene in <i>Ficus deltoidea jack</i> :Root	BSc	2007/2008
16	Nurrita Binti Sahada	PCR-RFLP Of V7 Region of mtDNA gene in <i>Ficus deltoidea jack</i> :Fruit	BSc	2007/2008
17	Norhida Mohd Nordin	PCR-RFLP Of V7 Region of mtDNA gene in <i>Ficus deltoidea jack</i> :Leaves	BSc	2007/2008
18	Syarifah Aqlimi Bt Seyd Mah Aziz	Phylogenetic Analysis of <i>Ficus deltoidea</i> sp. by using Maximum Parsimony	BSc	2008/2009
19	Muhammad Farhan Bin Roslan	Phylogenetic Analysis of <i>Ficus deltoidea</i> sp. by using Neighbor Joining		2008/2009
20	Nik Mohd Arif Bin Nik Abdull Malik	Phylogenetic Analysis of N-acetylglucosamidase Enzyme From <i>S. aureus</i> by Using Protein Sequence Alignment Method	BSc	2009/2010
21	Surayya bt Mohd Shaar	Phylogenetic Analysis of N-acetylglucosamidase Enzyme From <i>S. aureus</i> by Using DNA Sequence Alignment Method	BSc	2009/2010
22	Rafidah Bt Zainul Abidin	Polymerase Chain Reaction Analysis of Native and Cultured Tissue of <i>Pogostemon cablin</i> .		2009/2010
23	Nawal Bt Che Ismail	DNA barcoding and analysis of <i>Trichopodus pectoralis</i>	BSc	2015/2016
24	Nur Nabilah Bt Usman	DNA barcoding and analysis of catfish	BSc	2015/2016
25	Siti Fatimah Bt Mohd Taha	DNA Barcoding Analysis of <i>Lutjanus johnii</i>		2015/2016
26	Masra Azzinaz Bt Tukiman	Dna barcoding analysis of raw fish in sushi and sashimi	BSc	2016/2017
27	Nurul Syazwani Bt Kamarudin	DNA barcoding of <i>Salmo salar</i> : Molecular identification for food traceability.	BSc	2016/2017
28	Emir Saddiq B. Mohamad Salam	Identification of fish species in commercial fish fillets by using DNA barcoding.		2016/2017
29	Iwani Mahadi	Preliminary Study on Toxicity Analysis On Weight Loss Supplement Using Simple Sequence Repeat (SSR)	BSc	2016/2017

30	Nurul Atiqah Binti Oon	DNA Barcoding of <i>Carassius auratus</i>	BSc	2017/2018
31	Jennifer Satik Anak Reman	DNA barcoding of <i>Leptobarbus hoevenii</i>	BSc	2017/2018
32	Nur Farahana Binti Mohd Hussain	DNA barcoding of <i>Balantiocheilos melanopterus</i>	BSc	2017/2018
33	Maisarahadibah Binti Jaafar	DNA barcoding of <i>Barbonymus schwanefeldii</i>	BSc	2017/2018
34	Muhammad Akram Bin Abdul Ropha	DNA barcoding of <i>Rasbora sumatrana</i>	BSc	2017/2018
35	Nur Syakirah Binti Zulkifli	DNA Barcoding Analysis of <i>Puntius tetrazona</i>	BSc	2017/2018
36	Raja Nur Sharafina binti Raja Zainal Abidin	DNA barcoding analysis of <i>Barbonymus gonionotus</i>	BSc	2017/2018
37	Nursyafiqah Azira Binti Norazaman	Analysis Gamma Radiation Effect to Mung Beans (<i>Vigna Radiata</i>) By ISSR Marker	BSc	2018/2019
38	Dania Bt Nizabudin	Study On The Effect Of Gamma Radiation On <i>Vigna radiata</i> And DNA Polymorphism Analysis Through ISSR Marker	BSc	2018/2019
39	Nur Syamim Syafiqah Bt Hairul Anuwar	Genetic Variation Analysis Of Gamma Rays Induced Mutants Of Mung Bean As Revealed By SSR Marker	BSc	2018/2019
40	Athirah Hazwani Binti Mohamad Amin	Studies On The Effect Of Gamma Irradiation On Mung Bean (<i>Vigna radiata</i>) Through SSR Marker	BSc	2018/2019
41	Muhammad Ammar Zulqarnain Bin Abdul Rahman	DNA barcoding of <i>Captotermes</i> spp.	BSc	2019/2020
42	Nurul Amirah Binti Rosdi	Genetic Variability of <i>Anabas testudineus</i> by Using Random Amplified Polymorphic DNA	BSc	2019/2020
43	Nurul Syuhada Binti Yushaza	Genetic Polymorphism of <i>Clarias gariepinus</i> From polluted and Non Polluted Environment Using Random Amplified Polymorphic DNA (RAPD)	BSc	2019/2020
44	Priscillia Durrie Anak Dasan sandin	DNA barcoding of <i>Harpadon</i> spp.	BSc	2019/2020

PUBLICATIONS:

1. M Y Norfatimah, M N Siti Azizah, A S Othman, I Patimah, A F J Jamsari. Genetic variation of *Lates calcarifer* in Peninsular Malaysia Based on the Cytochrome *b* gene. *Aquaculture Research* 2009, 40,1742-1749. Blackwell Publishing
2. S H Nor Farah, M Y Norfatimah, and M.L.S.N. Hajjar,(2011) Genetic Variation of Mahseer Tor spp. in Pahang National Park Using cytochrome b mtDNA Gene Based on Phylogenetic Analysis - a Research Framework. 2011 IEEE 7th International Colloquium on Signal Processing and its Applications: p. 77-79.
3. Khalida Ain Kusnan, Sharifah Aminah Syed Mohamad, Amaliawati Ahmad Latiffi, Mohd Faiz Foong Abdullah, Yunus, Norfatimah Mohamed, & Kamarun, Dzaraini. (2012). Sequence analysis of putative N-acetylglucosaminidase, SACOL2666 gene in *S.aureus*. 2012 IEEE Symposium on Humanities, Science and Engineering Research, 286-290.

4. MA, Indah, MY, Norfatimah, MZ, Nurhayati, S, Kaleswari, SS, Ahmad, & SS, Mohd. (2013). Hypoglycemic Effect And Gene Expression Studies On *Abelmoschus Esculentus* Water Extract In STZ- Induced Mice. 2013 IEEE Symposium On Humanities, Science And Engineering Research (SHUSER), 147-152.
5. Norfatimah, M. Y., Teh, L. K., Salleh, M. Z., Isa, M. M., & SitiAzizah, M. N. (2014). Complete mitochondrial genome of Malaysian Mahseer (*Tor tambroides*). *Gene*, 548(2), 263-269.
6. Yahya, M. F. Z. R., U. M. A. Hamid, M. Y. Norfatimah, and R. Kambol. "In silico analysis of essential tricarboxylic acid cycle enzymes from biofilm-forming bacteria." *Trends in Bioinformatics* 7, no. 1 (2014): 19.
7. Roziah Binti Kambol, Nurfatin Aman Bt. Razlan Mahandran, Norfatimah My,(2018), In Silico Characterisation Of A Type D Betaretrovirus From Malayan Flying Fox, *Pteropus Vampyrus*, *Jurnal Of Phylogenetics & Evolutionary Biology*,6,2,1-6
8. Norfatimah My, Lyena Watty Zuraine Binti Ahmad, Iwani Mahadi, Mohd Fakhri Yaacob , 2019,toxicity analysis on weight-loss supplement using allium test and simple sequence repeat (SSR)

CONFERENCE PAPERS

1. Norfatimah M. Y, 1 Siti Azizah, M. N,1 Othman A. S, 1 And Patimah,I. PCR Amplification Of The Mitochondrial Cytochrome *B* (Cyt *B*) Gene In *Lates Calcarifer*.(The Fourth Regional IMT-GT UNINET Conference 2002, 15-17th Oct 2002,The City Bay View Pulau Pinang) (Oral Presentation).
2. Norfatimah M. Y, 1 Siti Azizah, M. N,1 Othman A. S, 1 And Patimah,I. Analysis Of The Sea Bass, *Lates Calcarifer* By Direct Sequencing Of Cytochrome *B* (Cyt *B*) Gene Fragment.(Malaysian Science And Technology Congress 2002, 12-14th Dec 2002 Hotel Kuching Hilton Sarawak). (Oral Presentation)
3. Norfatimah M. Y, 1 Siti Azizah, M. N,1 Othman A. S, 1 And Patimah,I.Genetic Differentiation Among Mullet Population As Revealed By Rflp Analysis Of PCR Amplified Nadh-Dehydrogenase 5 (Nd 5) Region .(Malaysian Science And Technology Congress 2002, 12-14th Dec 2002 Hotel Kuching Hilton Sarawak). (Poster Presentation)
4. Norfatimah M. Y, 1 Siti Azizah, M. N,1 Othman A. S, 1 And Patimah,I. PCR Amplification Of The Mitochondrial Cytochrome *B* (Cyt *B*) Gene In *Lates Calcarifer*. (National Fisheries Symposium 2003, Renaissance Kota Bharu Hotel ,Kelantan. (Poster Presentation)
5. Norfatimah M. Y, 1 Siti Azizah, M. N,1 Othman A. S, 1 And Patimah,I. GENETIC DIFFERENTIATION AMONG *Lates Calcarifer* Population As Revealed By RFLP Analysis Of PCR Amplified Nadh-Dehydrogenase 5 (Nd 5) Region And Sequencing Of Cyt *B* Gene.(2nd International Conference Bioinformatics 2003, 8-10th Sept 2003, Pulau Pinang) (Poster Presentation)
6. Norfatimah M. Y, 1 Siti Azizah, M. N,1 Othman A. S, 1 And Patimah,I. Genetic Differentiation Among Wild And Cultured Populations Of *Lates calcarifer* As Revealed By Analysis Of Nadh-Dehydrogenase 5 (Nd 5) Region Sequencing. (40th National , Biotechnology Seminar 11-13th Dec 2003 Mutiara Beach Resort Pulau Pinang) (Poster Presentation)
7. Norfatimah M. Y, 1 Siti Azizah, M. N,1 Othman A. S, 1 And Patimah,I. Analysis Of Two MtDNA Markers In *Lates calcarifer* For Genetic Differentiation Among Wild And Culture Populations. 2nd Life Sciences Postgraduates Conference.Life Science: The Power To Explore, Discover & Stimulate, 1st- 3rd Apr. 2004 , Vistana Hotel, Pulau Pinang. Malaysia. (Poster Presentation)
8. Norfatimah M. Y, Siti Azizah, M. N,1 Othman A. S, And Patimah,I. Preliminary Study On Genetic Variation Among Sea Bass Population As Revealed By Analysis Of PCR Amplified NADH-Dehydrogenase 5 (ND5) Region. The 32nd Annual Conference Of The

Malaysian Society For Biochemistry And Molecular Biology. 5th -6th September 2007, Eastin Hotel, Petaling Jaya, Malaysia. (Poster Presentation)

9. Norfatimah M.Y , Teh L.K, M.Z Salleh, Mat Isa M.N, and Siti Azizah M.N. Comparison Study on Bioinformatics Pipeline for Malaysian Mahseer (*Tor tambroides*) Mitogenome Assembly.4th Australasian Metabolomics Symposium 2012.) 4 -5 September 2012 Faculty of Pharmacy UiTM Puncak Alam, Malaysia (Poster Presentation)
10. Norfatimah M.Y, Nor Farah S.H, Siti Noor Hajjar M.L., L.K Teh, M.Z Salleh, M.N Mat Isa, Ruzainah Ali and Siti Azizah M.N. Biomarker Development For The Malaysian Mahseer (*Tor tambroides*) Generated By Mitochondrial Analysis.International Fisheries Symposium 2013. 6-8 Desember 2012 Can Tho University Can Tho, Vietnam (Poster Presentation)
11. Norfatimah M.Y , Teh L.K, M.Z Salleh, Mat Isa M.N, and Siti Azizah M.N. Completed Mitogenome of Malaysian Mahseer (*Tor tambroides*). Biodiversity of Asian Freshwater Fishes Conference 2013. 9-13 January 2013 University Brunei Darussalam,Brunei (Oral Presentation)
12. Norfatimah M.Y , Teh L.K, M.Z Salleh, Mat Isa M.N, and Siti Azizah M.N. Potential Biomarker for Genetic Identification and Phylogeny of *Tor spp.* Based on ATP6 & ATP 8 Genes. 5th International Barcode of Life 2013. 27-31 October 2013 Kunming Yunnan , China (Oral Presentation)
13. Norfatimah M.Y , Teh L.K, M.Z Salleh, Mat Isa M.N, and Siti Azizah M.N. Phylogenetic analysis of malaysian mahseer tor spp. Within cyprininae: a mitogenomics approach. Asian Fish Biodiversity Conference 2014 (AFBC2014). 12-13 Februari 2014 Hotel Gurney Resort, Pulau Pinang. (Poster Presentation)

MEMBERSHIPS:

1. Malaysian Society for Microbiology
2. Malaysian Society for Biochemistry & Molecular Biology-Member Since 2008
3. Malaysian Society for Genetics-Member Since 2009.
4. Malaysian Metabolomics Society. Since 2012.
5. Asian Society of Ichthyologists (ASI) Since 2014.