

DR. MASLINDA MUSA

Name :	Dr. Maslinda Binti Musa
Faculty :	Applied Sciences
Staff No :	290564
Grade of Position	DM51
Pasport/MyKad No. :	760930-14-5102
Telephone No. (Office)	03-55444599
Cell-phone :	016-9741845
Email	maslinda64@salam.uitm.edu.my

BASIC PROFILE

Lecturer DM45/DM46/DM51/DM52/DM53/DM54

Appointments	Date/Year of Appointment
Lecturer DM45/DM46	18/4/2011
Lecturer DM51	2013
Year of Birth :	1976
PhD, University of Sheffield, U.K (Infection and Immunity)	2013
Masters in Medical Science (Molecular Medicine), University Malaya	2006
BSc (Hons) in Medical Biochemistry, University of Sheffield, U.K	2000

NATIONAL LEVEL RESEARCH COMMITTEE

(Only those within last five years)

	Name of Research Committee	Hosting Secretariat	Year Involved
1	Malaysian Society for Molecular Biology and Biotechnology	MSMBB Organising Committee	2012-2013
2.	Malaysia Society for Microbiology (Postgraduate symposium)	Organising Committee	2018

3	Int. Conference on Applied Sciences & Industrial Technology 2018, ICASIT,2018	Organising Committee	2018
---	---	----------------------	------

POSTGRADUATE SUPERVISION

(Only those within last five years, Please indicate if it is at other institutions)

ON-GOING POSTGRADUATE (RESEARCH) SUPERVISION (Includes Co-supervision)

	Students Name	Institutions	Year Enrolled	Year End
1.	Nor Azlin Safina Abdul Aziz (MSc, main supervisor)	UiTM	Nov 2013	Dec 2018
2.	Nur Amira Zulkifli (MSc - main supervisor)	UiTM	Nov 2016	March 2018
3.	Anis Suraya (MSc - co supervisor)	UiTM	Nov 2017	March 2019
4.	Nurul Wahida Shokhimi (MSc, Co-Supervisor)	UiTM	2014	2016
5.	Mizanurfakhri Ghazali (completed) (MSc, Co Supv)	UiTM	June 2013	June 2017
6.	Irene Lah (PhD) – Ongoing (co supv)	UiTM	Sept 2016	Sept 2019

RESEARCH FUNDINGS *(State whether Principal/Co-Researcher)*

NATIONAL LEVEL ACTIVE RESEARCH FUNDING (MOSTI/FRGS & Others) (Last Five Years)

	Research Project	Source	Total Funds (RM)	Begin Year	End Year
1.	The impact of BPIFB2 down-regulation in gastric carcinoma cells (Principal)	FRGS/1/2015/SG05/UITM/02/4) MOE	128,200	1/11/2015	4/2018
2.	Autophagic Cell Death Of Colorectal Cancer (Crc) By Exopolysaccharides From Bifidobacteria Pseudocatenulatum (co-researcher)	600-IRMI/FRGS 5/3 (029/2017)	115,200	2017-08	2020-08-14
3.	Cloning And Characterization Of Cyclotides Genes From The Local Plants, Leucaena Leucocephala And Parkia Speciosa (co researcher)	600-RMI/FRGS 5/3 (0080/2016)	71,500	2016-08-	2018-07-3

4.	The effect of Bpifb1 induction on the migration and invasion of gastric cancer cells (co-researcher)	600-RMI/FRGS 5/3 (0016/2016)	100,000	01-08-2016	31-07-2018
5.	Understanding hypoxia marker hif-1 α signalling in ursodeoxycholic acid cardioprotection. (Co-researcher)	600-RMI/RAGS 5/3 (36/2014)MOE	80,000	01-12-2014	30-11-2016
6.	The role of BPIBF1 in the SNAI1-EMT pathway of gastric cancer (Co-researcher)	600-RMI/FRGS 5/3 (19/2014)	135,045	01-07-2014	30-06-2016
7.	Human genetics and biochemistry (HUGEB) –Co researcher	600-RMI/DANA 5/3/REI (5/2014)	100,000	01-05-2014	30-04-2016
8.	Expression analysis of BPIFB1 in gastric cancer (principal) (Principal).	RAGS, MOE	80,000	Sept 2013	August 2015
9.	Expression analysis of BPIFB1 in gastric cancer part 2 (Principal)	PSI, UiTM	60,000	Dec 2013	Dec 2015
10.	Characterization of bacteria from landfill soil capable to degrade untreated polystyrene (Co- researcher)	RAGS, MOE	80,000.00	15/09/2013	14/09/2013
11.	Characterization of extracellular proteins secreted by bifidobacteria strains that promotes intestinal mucosa-bacteria interactions (Co- researcher)	RACE, MOE	49,900.00	15/01/2014	14/01/2016
12.	Genetic relationship among enterobacter cloacae strains from clinical and plant origins (Co-researcher)	FRGS, MOE	106,780.00	15/11/2013	14/11/2-15

Dana Kecemerlangan UiTM (Last Five Years)

	Research Project	Total Funds (RM)	Begin Year	End Year
1.	Epithelial-To-Mesenchymal-Transition Gene Expression Analysis In Bpifb1 Induced Gastric Cancer Cell Lines (principal)	20,000	2018-09	1/1/ 2019
2.	Microbial Transformation Of Tetracycline Antibiotics Bysoil Filamentous Fungi (Co-researcher)	30,000	2018-01	1/1/2019
3.	Stability and viability of encapsulated probiotic bacteria with aloe vera gel in alginate chitosan beads (Co-researcher)	32,000.00	01/06/2012	30/05/2014

PUBLICATIONS (Only those indexed in IEEE/ISI/SCOPUS)

(Please ensure that you indicate whether papers are indexed in IEEE/ISI/Scopus, also indicate the impact factor if available)

Non-Indexed:

1. Construction of Human *BPIFB1* expression vector. Proceeding. Seoul International Conference on Life Sciences and Biological Engineering 8-10 Jan 2015
2. Generation of Human BPIFB1 Expression Vector Construct (Proceeding) –National Postgraduate Seminar, UPM) 10th September 2014
3. Disruption by Low Intensity Ultrasound for Bacterial Disinfection. NFK NM Budari, MF Ali, KH Ku Hamid, KA Khalil, M Musa. InCIEC 2015: Proceedings of the International Civil and Infrastructure
4. Generation of Stable Gastric Cancer Cell Lines Overexpressing BPIFB2. Zulkifli, N.A, Abdul Karim, Z.R, Sheikh Abdul Kadir, S. H., Abdul Khalil, K., and Musa M. 2nd International Conference on Molecular Biology and Biotechnology in conjunction with the 24th Scientific Meeting of the Malaysian Society for Molecular Biology & Biotechnology (MSMBB) (2017)
5. Escherichia coli Wild Type Cells Disruption by Low Intensity Ultrasound for Bacterial Disinfection NFK NM Budari, MF Ali, KH Ku Hamid, KA Khalil, M Musa InCIEC 2015, 21-31-2016
6. Differential Expression Of Selected Emt Associated Factors In Bpifb1-induced Gastric Cancer Cell Lines Maslinda Binti Musa, Nur Amira Zulkifli, Nor Azlin Safina A. Aziz, Siti Hamimah Binti Sheikh Abdul Kadir, Khalilah Binti Abdul Khalil, Zeti Rahayu Binti A Karim, 2017-04-18
7. Differential expression of selected emt associated factors in bpifb1-induced gastric cancer cell lines, ,Universiti Kebangsaan Malaysia (UKM),Marina Putrajaya, Malaysia 2017-04-18
8. Human Bpifb2 Expression Vector Construct. Nur Amira Zulkifli, Siti Hamimah Binti Sheikh Abdul Kadir, Khalilah Binti Abdul Khalil, Zeti Rahayu Binti A Karim, Maslinda Binti Musa, human bpifb2 expression vector construct, ,UKM,Marina Putrajaya, Malaysia 2017-04-18
9. Human Bpifa1 Expression Vector Construct. Zeti Rahayu Binti A Karim, Nur Amira Bt Zulkifli, Siti Hamimah Binti Sheikh Abdul Kadir, Khalilah Binti Abdul Khalil, Nur Saffa Izzaty Zulkifly, Maslinda Binti Musa, human bpifa1 expression vector construct, ,UKM,Marina Putrajaya, Malaysia

Indexed

2017

1. Release Activity of Encapsulated *Lactobacillus plantarum* NBRC 3070 in Optimum Alginate - Aloe vera Matrices during Simulated Gastric Fluid (SGF) and Simulated Intestinal Fluid. HNMY Anida Yusof Nur Syahirah Sallehudin, Khalilah Abdul Khalil, Maslinda Musa. Asian Journal of Applied Sciences 5 (2), 383-388 DOI10.24203/ajas.v5i2.4500 2017
2. Organic Acids and Carbon Profiles by Bifidobacteria *Pseudocatenulatum* G4 During Cultivation in Low Concentrations of Milk Medium. KA Khalil, M Musa, SA Ahmad, S Mustafa. The Asia Journal of Applied Microbiology 4 (1), 1-7 2017

2016

1. Sa1806 SNAI1 Gene Repression in BPIFB1-Stable Gastric Cancer Cell Lines Z Karim, NASA Aziz, SHSA Kadir, KA Khalil, UMA Hamid, FZM Yusof, Gastroenterology 150 (4), S371-S372.

2. Sa1807 Molecular Cross-Talking Between BPIFB1 and CDH1 in Gastric Cancer Cell Lines
M Musa, NASA Aziz, KA Khalil, SHSA Kadir, MFF Abdullah, Z Karim
Gastroenterology 150 (4), S372

4. Optimization of Time and pH Condition for Cell Autoaggregation of *Bifidobacterium pseudocatenulatum* KAKii Using FCCD-Response Surface Methodology MG Mazatulikhma Mat Zain, Maslinda Musa Nurul Wahida Shokhimi, Khalilah. *Journal of Pure and Applied Microbiology* 9 (3), 1797-1803

2012

[1] Bingle, L., Wilson, K., Musa, M., Araujo, B., Rassl, D., William, A.W LeClair, E.E., Mauad, T., Zhou, Z., Mall, M.A., Bingle, C.D. (2012) BPIFB1 (LPLUNC1) is upregulated in cystic fibrosis lung disease. *Histochem Cell Biol* 138, 749-758. (*ISI/SCOPUS*). Impact factor – 2.588

[2] Musa, M., Wilson, K., Sun, L., Mulay, A., Bingle, L., Marriott, H.M., Leclair, E.E., and Bingle, C.D. (2012). Differential localisation of BPIFA1 (SPLUNC1) and BPIFB1 (LPLUNC1) in the nasal and oral cavities of mice. *Cell Tissue Res* 350, 455-464. (*ISI/SCOPUS*). Impact factor – 3.114

2010

[1] Kang IN, Musa M, Harun F, Junit SM. Characterization of Mutations in the FOXE1 Gene in a Cohort of Unrelated Malaysian Patients with Congenital Hypothyroidism and Thyroid Dysgenesis. (2010) *Biochemical Genetics* 48 (1), 141-151. (*ISI/SCOPUS*). Impact factor – 0.862

2009

[1] Bingle, L., Barnes, F.A., Lunn, H., Musa, M., Webster, S., Douglas, C.W., Cross, S.S., High, A.S., and Bingle, C.D. (2009) Characterisation and expression of SPLUNC2, the human orthologue of rodent parotid secretory protein. *Histochem Cell Biol* 132, 339-349. (*ISI/SCOPUS*). Impact factor – 2.588