

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI <i>(Personal Details)</i>			
Nama Penuh <i>(Full Name)</i>	NOORJAHAN BANU BINTI MOHAMED ALITHEEN		Gelaran <i>(Title)</i> : ASSOC.PROF. DR
Jantina <i>(Gender)</i>	FEMALE		
Jawatan <i>(Designation)</i>	ASSOCIATE PROFESSOR		

Alamat Semasa <i>(Current Address)</i>	Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
Department of Cell & Molecular Biology, Faculty of Biotechnology & Biomolecular Sciences, Universiti Putra Malaysia, 43400 Serdang, Selangor	Department of Cell & Molecular Biology, Faculty of Biotechnology & Biomolecular Sciences, Universiti Putra Malaysia	E-mail: noorjahan@upm.edu.my

B. KELAYAKAN AKADEMIK <i>(Academic Qualification)</i>			
Nama Sijil / Kelayakan <i>(Certificate / Qualification obtained)</i>	Nama Sekolah Institusi <i>(Name of School / Institution)</i>	Tahun <i>(Year obtained)</i>	Bidang pengkhususan <i>(Area of Specialization)</i>
BSc (Hons)	Universiti Malaya	1996	Zoology
PhD	John Curtin School of Medical Research, The Australian National University, Australia	2002	Medical Sciences (Developmental Immunology)
Research Area	Animal Cell Biotechnology, Cancer Biology and Immunology		

C. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN*(Scientific experience and Specialisation)*

<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Summer School 2004 (10 July-7 August 2004) Graduate School of Frontier Biosciences Osaka University, Osaka, Japan	Fellow	10 July 2004	7 August 2004	Developmental Biology
Elizabeth McArthur Institute, Camden, NSW, Australia, Armidale, Australia	Fellow Researcher	May 2001	Dec 2001	Developmental Immunology

D. ANUGERAH DAN HADIAH*(Honours and Awards)*

<i>Name of awards</i>	<i>Award Authority</i>	<i>Year</i>
The Australian National University PhD Scholarship	The Australian National University	2007-2000
Post-doctoral Fellowship for 8 months	CSIRO, Armidale, New South Wales, Australia	2007-2000
Fellowship to attend Summer School	Osaka University, Osaka, Japan	2004
UPM Excellence Service Award 2010 and 2024	UPM	2011, 2024
Malaysia's Research Star Award 2017	Elsevier, Clarivate Analytics, KPT	2017

E. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

Journal (Selected)	1. Alitheen, N., McClure, S. and McCullagh, P. 2001. Segregation of B lymphocytes into stationary apoptotic and migratory proliferating subpopulations in agglomerate cultures with ileal epithelium. <i>European Journal of Immunology</i>, Vol. 31 pp. 2558-2565. 2. Alitheen, N., McClure, S. and McCullagh, P. 2003. Development of B cells in the gut-associated lymphoid tissue of mid-gestational fetal lambs. <i>Dev Comp Immunol</i>. Jun; 27(6-7):639-46. 3. Mustafa Shuhaimi, Abdul M. Ali, Alitheen, N., Norihan M. Saleh dan Abdul M. Yazid. Characterization of Bifidobacterium Species-A Review, <i>Bioscience Microflora</i> Vol. 23 (2), 81-92, 2004 4. Y. Haryani, A.S. Noorzaleha, A.B. Fatimah, B.A. Noorjahan, G.B. Patrick, A.T. Shamsinar, R.A.S. Laila and R. Son. Incidence of <i>Klebsiella pneumonia</i> in street foods sold in Malaysia and their characterization by antibiotic resistance, plasmid profiling, and RAPD-PCR analysis• <i>Food Control, Volume 18, Issue 7, July 2007, Pages 847-853</i>. 5. Noorjahan Alitheen, Susan McClure, Peter McCullagh. Detection and quantification of IgM+ lymphocytes in fetal lamb spleen, liver and lymph nodes by flow cytometry. (2007). <i>Immunology and Cell Biology</i>. <i>Immunol Cell Biol</i>. 2007 Jul;85(5):391-3. 6. S.K. Yeap, N.B. Alitheen , A.M. Ali , A.R. Omar, A.R. Raha, A.A. Suraini, A.H. Muhajir. Effect of <i>Rhaphidophora korthalsii</i> methanol extract on human peripheral blood mononuclear cell (PBMC) proliferation and cytolytic activity toward HepG2. <i>Journal of Ethnopharmacology</i> 114 (2007) 406–411. 7. Sauvaphap Ai-Noi, Suraini Abd-Aziz, Norjahan Alitheen, Osman Hassan and Mohamed Ismail Abdul Karim. (2008). Optimization of Cyclodextrin Glycosyltransferase Production by Response Surface Methodology Approach. <i>Biotechnology</i>. 7(1): 10-18. ISSN 1682-296X. 8. Suraini Abd-Aziz, Teoh Lay Sin, Noorjahan Alitheen, Neelam Shahab and Kamarulzaman Kamaruddin. (2008). Microbial degradation of chitin materials by <i>Trichoderma virens</i> UKM1. <i>Journal of Biological Sciences</i>. 8(1): 52-59. ISSN 1727-3048. 9. Suraini Abd-Aziz, Sauvaphap Ai Noi, Osman Hassan, Mohamed Ismail Abdul Karim, Norjahan Banu Alitheen, Kamarulzaman Kamaruddin and Rosli Md Illias.(2007). A rapid screening method for CGTase-producing bacteria using different starches as Carbon Sources. <i>Malaysian Applied Biology Journal</i>. 2007 36 (2) 1-5. 10. Asmah Hamid, Abdul Manaf Ali, Nor Fadilah Rajab, Noorjahan Banu Alitheen, Hasnah Sirat, Azman Abu Bakar. Zerumbone Causes morphological changes on different types of Leukemic Cell Lines. <i>Journal of Microscopy Society of Thailand</i> 2007, 2191: 126-130. 11. Mandana Behbahani, Abdul Manaf Ali, Radzali Muse and Noorjahan Banu Mohd. Anti-oxidant and anti-inflammatory activities of leaves of <i>Barringtonia racemosa</i>. <i>Journal of Medicinal Plants Research</i> pp. 095-102, December 2007. 12. Mustafa, M.Z., Ibrahim, R., Ali, A.M., Ideris, A, Jaafar, H, Alitheen, N.B, Abdullah, J.M. 2008. Newcastle Diseases Virus (NDV) strain V4UPM displayed oncolytic ability against Experimental Human Malignant Glioma. <i>Neurological Research Neurol Res</i>. 2009 Feb;31(1):3-10. 13. Zulkifli, Y., Alitheen, N.B., Raha, A.R., Yeap, S. K., Marlina, Son, R. and Nishibuchi, M. Antibiotic resistance and plasmid profiling of <i>Vibrio parahaemolyticus</i> isolated from cockles in Padang, Indonesia. <i>International Food Research Journal</i> 16: 53-58 (2009). 14. Ainul Fajariah A Bakar, Noorjahan Banu Alitheen, Yeap Swee Keong, Muhajir Hamid, Siti Aishah M. Ali and Abdul Manaf Ali. Mouse IgM Monoclonal Antibody Recognizes Breast and Colon Cancer. <i>Hybridoma</i> 28 (3) : 199-203 (2009). 15. N.H Faujan, *N.B. Alitheen, S.K. Yeap, A.M. Ali, A.H. Muhajir, F.B.H Ahmad. Cytotoxic effect of betulinic acid acetate isolated from <i>Melaleuca cajuput</i> on human myeloid leukemia (HL-60) cell line <i>African Journal of Biotechnology</i>. 9 (38) 6387-6396 (2010) 16. N.B. Alitheen, A. Abdul Manaf, S.K. Yeap , M. Shuhaimi, L. Nordin. and A.R. Mashitoh. Immunomodulatory Effects of Damnacanthol Isolated from Roots of <i>Morinda elliptica</i> (Rubiceae). <i>Pharmaceutical Biology</i> 48 (4): 446-452 (2009) 17. Yeap Swee Keong, *Noorjahan Banu Alitheen, Shuhaimi Mustafa, Suraini Abdul Aziz, Mashitoh Abdul Rahman and Abdul Manaf Ali Immunomodulatory effects of zerumbone isolated from roots of <i>Zingiber zerumbet</i> . <i>Pak.J. Pharm Sci</i>, 23 (4) 75-82 (2010).
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20. **Alitheen*, N.B.**, Mashitoh, A.R., Yeap, S.K., Shuhaimi, M., Abdul Manaf, A., and Nordin, L.. Cytotoxic Effect of Damnacanthol, Nordamnacanthol, Zerumbone and Betulinic Acid Isolated from Malaysian Plant Sources International Food Research Journal.17 (711-719) (2010).
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62. Abu, N. , Akhtar, M.N. , Yeap, S.K. , Lim, K.L. , Ho, W.Y. , Abdullah, M.P. , Ho, C.L. , Omar, A.R. , Ismail, J. , **Alitheen, N.B.** Flavokawain B induced cytotoxicity in two breast cancer cell lines, MCF-7 and MDA-MB231 and inhibited the metastatic potential of MDA-MB231 via the regulation of several tyrosine kinases In vitro. *BMC Complementary and Alternative Medicine* Volume 16, Issue 1, February 27, 2016, Article number 86.
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PUBLICATION

Scopus h-index = 47 (Assessed Oct 2025)

Citations = 8,780 (Assessed Oct 2025)

Publication	Quantity
Book	-
Chapter in Book	4
Journal	260

F. PROJEK PENYELIDIKAN TERDAHULU (<i>Past Research Project</i>)					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
05-13-03-040J	The development of in vitro mode representative of lymphoid organs for the study of organogenesis and host-pathogen interaction.	Lead Researcher	2004-2005	FRGS	Completed
09-02-04-10033-EAR	The development of 3-dimensional in vitro system to study the immunomodulatory roles of medicinal plant extracts.	Lead Researcher	2004-2006	IRPA RM 8	Completed
01-01-07-012FR	Study on the anti-tumor roles and cytokine production of human NK cells upon treatment with herbal plant extracts (FRGS)	Lead Researcher	2007-2009	FRGS	Completed
05/01/07/0194RU	The Gene Expression study and the cytolytic role of Rhaphidophora activated human NK cells on human HEPG2 Spheroids. Research University Grant Scheme (RUGS, Universiti Putra Malaysia).	Lead Researcher	2007-2009	RUGS	Completed
UPM0003260	Development of multicellular tumor spheroids (MCTS) culture system to investigate the effect of activated Natural Killer (NK) Cells.	Lead Researcher	2007-2009	(e-science MOSTI)	Completed
05-01-09-0796RU	Evaluation of the herb Elephantopus and drugs (Tamoxifen and doxorubicin) Synergistic interaction on human hormone dependent breast cancer spheroids	Lead Researcher	2009-2011	RUGS, Initiative 2	Completed
03-10-10-964FR	Assessment of vitamin C induced drug resistancy on breast cancer cell and the cytotoxic mechanism	Lead Researcher	2010-2012	FRGS	Completed
RUGS/05-02-12-1718RU	Isolation of bromelain from pineapple wastes and evaluation of bromelain and chemo drug synergistic interaction on human breast cancer spheroids	Lead Researcher	2012-2014	RUGS, UPM	Completed

FRGS/1/2012/SG05/UPM/02/5	Assessment of the anti-metastasis and anti-heparanase potential of Flavokawain B in two highly metastatic cancer cell-lines, HepG2 and MDA-MB231.	Lead Researcher	2013-2015	FRGS	Completed
GP-IPB/2013/9412802	Sub project: Development of Multifunctional Nano Capsules and monitoring of their delivery and efficacy for cancer cells extermination	Sub Project Leader	2013-2015	GP-IPB, UPM	Completed Nov 2016
FP0514B0021-2 MGI/FS/2015-02 (DSTIN)	Enhancing the therapeutic potential of rAF Newcastle disease virus cancer vaccine	Co-researcher	2015-2018	Ministry of Science Technology and Innovation	Completed
UPM/700-2/1/G PBI/2017/9554100	The anti-tumor effects of Eucalyptol loaded Nanostructured Lipid Carrier (NLC-Eu) towards breast cancer cells <i>in vitro</i> and 4T1-breast cancer challenged mice <i>in vivo</i>	Lead Researcher	2017-2019	Putra Impak UPM	Completed
04-01-17-1880FR	Evaluation of anti-diabetes effects of non-dairy gallic acid-enriched kefir drink and in depth analysis of metagenome and transcriptome profiles	Lead Researcher	2017-2020	FRGS	Completed
FRGS-MRSA/1/2018/SKK10/UPM/02/1	Project Evaluation of Neuroprotective effect and mechanism of Kefir water in Alzheimer's Disease Model	Lead Researcher	2018-2020	FRGS	Completed
FRGS/1/2022/SKK06/UPM/02/1	Elucidating the Ameliorative effect and Mechanism of Lactobacillus paracasei strain HBUAS52231 on Oxidative Stress, Neuroinflammation, and Neurodegeneration in D-Galactose-Induced Aging Model In-vitro and In-vivo	Lead Researcher	2023-2025	FRGS	Ongoing