

CURRICULUM VITAE



A. PERSONAL DETAILS			
<i>Full Name</i>	NORHAFIZAH MOHTARRUDIN		<i>Title:</i> DR
<i>Mykad No.</i> 700206-08-6004	<i>Citizenship</i> Malaysian	<i>Race</i> Malays	<i>Gender</i> Female
<i>Jawatan (Designation)</i>	Associate Professor/ Histopathologist	<i>Tarikh Lahir (Date of Birth)</i>	6 th February 1970
<i>Alamat Semasa (Current Address)</i>	<i>Jabatan/Fakulti (Department/Faculty)</i>	<i>E-mel dan URL (E-mail Address and URL)</i>	
Tel:	Pathology Department, Faculty of Medicine and Health Sciences, University Putra Malaysia Tel: 03-89472383 Fax: 03-89412787	E-mail: norhafizahm@upm.edu.my URL: H/P: 017-8898270	
B. KELAYAKAN AKADEMIK (Academic Qualification)			
<i>Nama Sijil / Kelayakan (Certificate / Qualification obtained)</i>	<i>Nama Sekolah Institusi (Name of School / Institution)</i>	<i>Tahun (Year obtained)</i>	<i>Bidang pengkhususan (Area of Specialization)</i>
MBBS	MAHE India	1997	Medical Degree
MPath	UKM	2005	Pathology (Anatomic)

C. KEMAHIRAN BAHASA (Language Proficiency)					
Bahasa / Language	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English					/
Bahasa Melayu					/

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (Scientific experience and Specialisation)				
Organization	Position	Start Date	End Date	Expertise
FPSK, UPM Serdang	Pathologist	2005	To date	Medical lecturer
HKL	Pathologist	2005	To date	Histopathologist
Serdang Hospital	Pathologist	2010	To date	Histopathologist

E. PEKERJAAN (Employment)				
Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
Kementerian Kesihatan Malaysia	House officer	Hospital Taiping	14/07/1997	13/07/1998
Kementerian Kesihatan Malaysia	Medical officer	KK Batu Kurau/Jabatan Patologi Hospital Taiping	14/7/1998	31/05/2001
Kementerian Kesihatan Malaysia	Medical officer	Jabatan Patologi HUKM	01/06/2001	07/03/2005
UPM	Trainee Lecturer	Jabatan Patologi HUKM	08/03/2005	31/05/2005
UPM	Medical Lecturer/ Pathologist	Jabatan Patologi, FPSK, UPM Serdang	01/06/2005	To date

G. 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

M Norhafizah, AH Jabrullah, O Malina, AA Andi Anggeriana, WH Wan Hamilton & A Rohani. Matrix Metalloproteinase (MMP) -9 and Tissue Inhibitors of Metalloproteinase (TIMP) -1 and -2 as potential biomarkers in Gestational Hypertension Singapore Medical Journal (2012). 53(10):681-3.

S. Kafaie, SP Loh & N. Mohtarrudin. Acute and subchronic toxicology assessment of Nannochloropsis oculata in rats African *Journal of Agricultural Research* (2012) 7(7):1220-1225.

Norhafizah Mohtarrudin, Mohd Rohaizad Md Roduan, Chong Pei Pei, Malina Osman. Noraini Mat Dusa. Loss of p27Kip1 expression in high grade human prostate adenocarcinoma. *J. BioSci. Biotech* (2014). 3(2): 119-125.

Norhafizah Mohtarrudin, Mohd Rohaizad Md Roduan, Chong Pei Pei, Malina Osman and Noraini Mohd Dusa. High Expression of Cyclooxygenase-2 in High Grade Prostate Adenocarcinoma. *Sains Malaysiana* (2015). 44(5)(2015): 727–733

Norhafizah Mohtarrudin, Zubaidah Nor Hanipah, Noraini Mohd Dusa. Solitary Fibrous Tumour Of The Chest Wall Malaysian *J Pathol* 2016; 38(1):61-64. Q4

Zainul Amiruddin Zakaria; Farhana Yahya; Siti Syariah Mamat; Nur Diyana Mahmood; Norhafizah Mohtarrudin; Muhammad Taher; Siti Selina Abdul Hamid; Lay Kek Teh; Mohd. Zaki Salleh. Hepatoprotective action of various partitions of methanol extract of Bauhinia purpurea leaves against paracetamol-induced liver toxicity: Involvement of the antioxidant mechanisms. *Complementary and Alternative Medicine*, 16(1), [175]. DOI: 10.1186/s12906-016-1110-4

See Meng Lim, Yong Meng Goh, Norhafizah Mohtarrudin and Su Peng Loh . Germinated brown rice ameliorates obesity in high-fat diet induced obese rats. *BMC Complementary and Alternative Medicine* (2016) 16:140 DOI 10.1186/s12906-016-1116

Maryam Mashmoul, Azrina Azlan, Norhafizah Mohtarrudin, Barakatun Nisak Mohd Yusof, Huzwah Khaza' ai, Hock Eng Khoo, Mehdi Farzadnia, Mohammad Taher Boroushaki. Protective effects of saffron extract and crocin supplementation on fatty liver tissue of high-fat diet-induced obese rats. *BMC Complementary and Alternative Medicine*. (2017) v.16, no.1, 2016 Oct 22 (ISSN: 1472-6882)

Noor Wahida Ismail Suhaimy, Ahmad Khusairi Noor Azmi, Norhafizah Mohtarrudin, Maizatul Hasyima Omar, Siti Farah Md. Tohid, Manraj Singh Cheema, Lay Kek Teh, Mohd. Zaki Salleh, and Zainul Amiruddin Zakaria. Semipurified Ethyl Acetate Partition of Methanolic Extract of Melastoma malabathricum Leaves Exerts Gastroprotective Activity Partly via Its Antioxidant-Antisecretory-Anti-Inflammatory Action and Synergistic Action of Several Flavonoid-Based Compounds. *Oxidative Medicine and Cellular Longevity*. (2017) vol. 2017, Article ID 6542631, 14 pages, 2017.

Tan, N.J., Daim, L.D.J., Jamil, A.A.M., Mohtarrudin, N., Thilakavathy, K. An Effective Placental Cotyledons Proteins Extraction Method for 2D Gel Electrophoresis. *Eletrophoresis*. (2017) 38(5), pp. 633-644

Mohd Rohaizad Md Roduan, Hamizah Sulaman, Norhafizah Mohtarrudin. Annona muricata leaves extracts prevent DMBA/TPA-induced skin tumorigenesis via modulating antioxidants enzymes system in ICR mice. *Biomedicine and Pharmacotherapy*. 94, pp. 481-488

Jong-Heng Yapp, Raja Kamil, M. Rozi, Norhafizah Mohtarrudin, M.Y. Loqman, A.R. Ezamin, Siti Anom Ahmad, Zuki Abu Bakar. Trends of reactive hyperaemia responses to repetitive

	<p>loading on skin tissue of rats – Implications for pressure ulcer prevention. <i>Journal of Tissue Viability</i>. August 2017. Volume 26, Issue 3, 196-201.</p> <p>Golnaz Samiei, Wai Kien Yip, Pooi Pooi Leong, Mohd Faisal Jabar, Noraini Mohd Dusa, Norhafizah Mohtarrudin, Heng Fong Seow Association between polymorphisms of interleukin-17A G197A and interleukin-17F A7488G and risk of colorectal cancer. <i>Journal of Cancer Research & Therapeutic</i>. (2017)</p> <p>Noor Wahida Ismail Suhaimy, Ahmad Khusairi Noor Azmi, Norhafizah Mohtarrudin, Maizatul Hasyima Omar, Siti Farah Md. Tohid, Manraj Singh Cheema, Lay Kek Teh, Mohd. Zaki Salleh, Zainul Amiruddin Zakaria. Semi-purified ethyl acetate partition of methanolic extract of <i>Melastoma malabathricum</i> leaves exerts gastroprotective activity partly via its antioxidant-antisecretory-antiinflammatory action. <i>Oxidative Medicine and Cellular Longevity</i> Volume 2017 (2017), Article ID 6542631,</p> <p>Ibrahim Sulaiman. Johnson Stanlas, , Norhafizah Mohtarrudin. Andrographolide Restores Healthy Airway Function In Toluene Diisocyanate-Induced Occupational Mouse Asthma Model Through Upregulation Of Heme Oxygenase-1 And Activation Of Akt/Nrf-2 Dependent Pathway. <i>FASEB Journal</i>. 31:993.6-993.6 · April 2017</p> <p>NJ Tan, K Thilakavathy, N Mohtarrudin. Risk Factors for Spontaneous Preterm Labour with Intact Membrane: A Case Control Study of Malay Ethnic Group in Hospital Serdang, Malaysia. <i>J Gynec Obstet</i> Volume 1, Issue 3 2017; 1:017</p> <p>He PY, Yip WK, Chai BL, Chai BY, Jabar MF, Dusa N, Mohtarrudin N, Seow HF. Inhibition of cell migration and invasion by miR-29a-3p in a colorectal cancer cell line through suppression of CDC42BPA mRNA expression. <i>Oncol Rep</i>. 2017 Dec;38(6):3554-3566. doi: 10.3892/or.2017.6037. Epub 2017 Oct 16.</p> <p>NL Md Nasir, NE Kamsani, N Mohtarrudin, F Othman, SF Md. Tohid. Anticarcinogenic activity of <i>Muntingia calabura</i> leaves methanol extract against the azoxymethane-induced colon cancer in rats involved modulation of the colonic antioxidant system partly by flavonoids. <i>Pharmaceutical Biology</i>. (2017). 55 (1), 2102-2109</p> <p>Karimi, G., Jamaluddin, R., Mohtarrudin, N., Khazaai, H., Parvaneh, M. Single-species versus dual-species probiotic supplementation as an emerging therapeutic strategy for obesity. <i>Nutrition, Metabolism and Cardiovascular Diseases</i>. (2017). Article in Press</p> <p>Mashmoul, M., Azlan, A., Mohtarrudin, N., Yusof, B.N.M., Khaza'ai, H. Saffron extract and crocin reduced biomarkers associated with obesity in rats fed a high-fat diet. <i>Malaysian Journal of Nutrition</i>. (2017). 23(1), pp. 117-127</p> <p>Siti Zawanah Halim, Zainul Amiruddin Zakaria, Norhafizah Mohtarrudin, Maizatul Hasyima Omar, Ikarastika Rahayu Abdul Wahab, Muhammad Nazrul Hakim Abdullah. Synergistic gastroprotective activity of methanolic extract of a mixture of <i>Melastoma malabathricum</i> and <i>Muntingia calabura</i> leaves in rats. <i>BMC Complementary and Alternative Medicine</i> (2017) 17:488 DOI 10.1186/s12906-017-1992-9</p> <p>Suppiah S, Andi Anggeriana AA, Fathinul Fikri AS, Hasyma AH, Norhafizah M, Wing LC , Rozi M, Abdul Jalil N. One Stop Centre Staging by Contrast-Enhanced 18F-FDG PET/CT in Preoperative Assessment of Ovarian Cancer and Proposed Diagnostic Imaging Algorithm: A single centre experience in Malaysia. <i>Malaysian Journal of Medicine and Health Sciences</i> 2017; 13(2): 29-37</p>
Books/ Monographs	SMIM (Structured Medical Internship Module). UPM Press. ISBN:978-967-344-365-g.

<p>Chapter in book</p>	<ol style="list-style-type: none"> 1. Norhafizah Mohtarrudin, Chong Pei Pei. PBL: Cases For Medical Students Vol. 1. No.1 (July 2007). Crystals in the joint (Gouty arthritis) 2. Norhafizah Mohtarrudin, Khatiza Haida Ali, Rushdan Aziz. PBL: Cases For Medical Students Vol. 1. No.2 (December 2007). Abdominal Swelling (Cirrhosis) 3. Norhafizah Mohtarrudin, Ahmad Hisham Abd Rashid and Nor Amalina Embran. PBL: Cases For Medical Students Vol. 1. No.2 (December 2007). Leg swelling (Chronic osteomyelitis) 4. Norhafizah Mohtarrudin and Rusinahayati Mokhtarudin. PBL: Cases For Medical Students Vol. 3. No.1 (July 2012). A Lady with Abdominal Distension 5. Zurina Zainudin, Norhafizah Mohtarrudin and Firdaus Abd Rahim. PBL: Cases For Medical Students Vol. 3. No.1 (July 2012) Painful joint swelling 6. Norhafizah M, Nor Afiah MZ, Nor Amalina E, Mohd Yusoff A. PBL: Cases For Medical Students Vol. 3. No.1 (July 2012) Persistent Cough 7. Norhafizah Mohtarrudin, Irmi Zarina Ismail and Abdul Hamid Abdul Rashid. PBL: Cases For Medical Students Vol. 4. No.1 (July 2012). Breast lump 8. Norhafizah Mohtarrudin, Zurina Zainudin and Abdul Hamid Abdul Rashid. PBL: Cases For Medical Students Vol. 3. No.2 (December 2012). Blood in urine 9. Razana Mohd Ali, Rusinahayati Mokhtarudin, Norhafizah Mohtarrudin and Latifah A. Latif. PBL: Cases For Medical Students Vol. 3. No.2 (December 2012) Prolonged per vaginal bleeding
<p>Proceeding</p>	<p>Tay TC, Nurul Hafizah S, Arni T, Razana MA, Norhafizah M, Hairuszah I. Immunohistochemistry analysis of APC expression in chronic gastritis and gastric cancer Transplant Pathology update. 10th annual scientific Meeting College of Pathologists 18-19 June 2011</p> <p>Mohamad Safwan AK, Maryam R, Asma K, Syeda Atika Y, Mohib K, Abdul Manan MJ, Norhafizah M, Zainul Amiruddin Z, Arzeena J, Mushtaq A, Nazeer A. External Wound Healing Potential of <i>Terminalis coriacea</i> (Roxb.) Wt. & Arn. Stem Bark Extracts in Albino Wistar Rats International Conference on Natural Products 2011, Putrajaya.</p> <p>Kabiru Sahabi, Gayathri Thevi Selvarajah and Norhafizah Mohtarrudin . Expression And Clinicopathological Relevance Of CD117 in Canine Mammary Gland Tumours. 6th Asian Society of Veterinary Pathology (ASVP) Congress. 2013</p> <p>Chin, V.K., Foong, K.J., Maha, A., Rusliza, B., Norhafizah, M., Ng, K.P. and Chong, P.P. Induction of Local Host Response to <i>Candida albicans</i> in a murin intravenous challenge mouse model. International Conference of World Academy of Science, Engineering & Technology. 2013</p> <p>Chin VK, Lee TY, Foong KJ, Maha A, Rusliza B, Norhafizah M, Chong PP Pathogenesis and involvement of Interlukin-11 in response to to <i>Candida albicans</i> iin a murine intravenous challenge mouse</p> <p>Voon Kin C, Tze Yan L, Kuan Jeang F, Maha A, Rusliza b, Norhafizah M, Pei Pei C.. Pathogenesis of systemic <i>Candida albicans</i> infection in a murine intravenous challenge mouse. 1st International Conference on Molecular Diagnostics and Biomarker Discovery Asian Pacific Journal of Tropical Disease, 4(2): 246. 2013</p>

MR Nor Hafipah, T Herni, M Norhafizah. CD166 expressions in colon adenocarcinoma.
2014 International Congress of Pathology and Laboratory Medicine
48th Malaysia-Singapore Congress of Medicine

MR Nor Hafipah, MD Noraini, M Norhafizah. Colon adenocarcinoma and CD133 expression. 2014
International Congress of Pathology and Laboratory Medicine
48th Malaysia-Singapore Congress of Medicine

MR Nor Hafipah, MD Noraini, M Norhafizah. CD24 expressions in adenocarcinoma of colon. 2014
International Congress of Pathology and Laboratory Medicine
48th Malaysia-Singapore Congress of Medicine

Rosfayati Othman @ Jaffar, Nurul Mahirah Zubir, Wan Syahmeiyah Ibrahim, Malina Osman, Seow
Heng Fong, Shariza Nordin, Ngan Kah Wai, Norhafizah Moharrudin Determination of gene expression
of tyrosine kinase receptors (HER family) in FFPE tissue of CRC.
Malaysian Journal of Microscopy. Vol. 11 (Supplement 1), ISSN 1823-7010, Aug 2015

Norhafizah Moharrudin, Rohaizad . Anti-tumor promoting effects of Annacin on Two-stage mouse skin
carcinogenesis.
International Symposium on Allied Health Sciences. 2015

Rosfayati Othman,, Nor Hafipah Md Rosdi, Malina Osman, Noraini Mohd Dusa, and Norhafizah
Mohtarrudin. CD24 and CD133 co-expression in CRC.
International Academy of Pathology Malaysian Division 3rd Annual Scientific Meeting. 2016

Rosfayati Othman, Wan Syahmeiyah Ibrahim, Nurul Mahirah Ahmad Zubir, and Norhafizah
Mohtarrudin Expression of ERBB family in HCT116, HT29, and CACO2 colorectal cancer cell lines
International Academy of Pathology Malaysian Division 3rd Annual Scientific Meeting. 2016

Norhafizah Mohtarrudin, Razana Mohd Ali, Noriah Othman, Maalini Krishnasamy
Metastatic Malignant Phyllodes Tumour of the Breast.
4th International Academy of Pathology Division: Annual Scientific Meeting. 2017

Norhafizah Mohtarrudin, Ikmal Hisyam Bakrin, Dawn Ambrose, Lim Jo Lyn, Nur Syahida Ayuni
Mukhtar Cutaneous involvement of multiple myeloma.
4th International Academy of Pathology Division: Annual Scientific Meeting. 2017

Norhafizah Mohtarrudin, Ikmal Hisyam Bakrin, Razana Mohd Ali, Noorjehan Omar. Glomus tumour
of stomach
ICPaLM 2018. 28-30 June 2018

Norhafizah Mohtarrudin, Rosfayati Othman @ Jaffar, Wan Syahmeiyah Ibrahim, Nurul Mahirah
Ahmad Zubir, Seow Heng Fong, Ngan Kah Wai. Gene expression and DNA methylation status of HER3
in primary colorectal adenocarcinoma (CRC)
ICPaLM 2018. 28-30 June 2018

F. ANUGERAH DAN HADIAH (<i>Honours and Awards</i>)				
<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
<i>Academic Awards</i>	-	-	-	-
<i>Non-Academic Awards</i>	Anugerah Perkhidmatan Cemerlang	UPM	Universiti	2007 2011 2017
<i>Awards of Merit</i>	Silver Medal Scientific Cancer Research Exhibition In Conjunction With World Cancer Day	UPM	National	2011
	Bronze Medal Pameran Rekacipta Penyelidikan dan Inovasi (PRPI)	UPM	National	2011
	Best Clinical Researcher Award (Second)	UPM	Universiti	2013
	Bronze Medal Exhibition at the Malaysian Trade Exhibition (MTE), PWTC	UPM	National	2013
	Bronze Medal Pameran Rekacipta Penyelidikan dan Inovasi (PRPI)	UPM	Universiti	2014
	Bronze Medal Pameran Rekacipta Penyelidikan dan Inovasi (PRPI)	UPM	Universiti	2014
	Penerbitan artikel dalam jurnal teratas JCR	UPM	Universiti	2016

H. PROJEK PENYELIDIKAN TERDAHULU(Past Research Project)					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
-	Post-mortem study of coronary plaque morphology in ischemic heart disease	Principal researcher	2002-2004	UMBI	Completed
5315940	Cyclooxygenase-2 As A Potential Target For Non-Invasive Therapy In RCC	Principal researcher	2007-2008	SPLB	Completed
5523327	Expression Of Cox-2 And P27 ^(Kip1) In Prostate Carcinoma	Principal researcher	2007-2010	FRGS	Completed
04/01/07/0101 RU	Matrix Metalloproteinase-9 And Tissue Inhibitors Of Metalloproteinases-1 And -2: Potential Novel Biomarkers In Gestational Hypertension	Principal researcher	2007-2010	RUGS	Completed
04-04-10-843FR	Characterisation Of Cancer Stem Cells In Primary And Metastatic CRC	Principal researcher	2010-2012	FRGS	Completed
04-02-12-2108BRU	Prognostic characterization of apoptotic prote and tyrosine kinase receptors expression in prim and metastatic CRC	Principal researcher	2012-2014	RUGS	Completed
GIPP13-932362	Perception Of Medical Students Towards A Research Methodology And Project Module In FMHS, UPM	Principal researcher	2013-2015	GIPP	Completed
FRGS/2/2013/SKK06/UPM/02/1	Determination Of DNA Methylation Of Apoptotic Related-Genes In Primary And Metastatic Colon Adenocarcinoma	Principal researcher	2014-2016	FRGS	Completed
06-01-04-SF1942	DNA Methylation Of Tyrosine Kinase Receptors In Primary And Metastatic Colon Adenocarcinoma	Principal researcher	2014-2017	E-Science	Completed
GP-IPS/2014/9431900	Determination of DNA methylation of BAX in colon adenocarcinoma	Principal researcher	2014-2016	IPS-Putra grant	Completed
GP-IPS/2017	Prognostic role of tumour CEA expression and its associated pathological characteristics among colorectal carcinoma patients in Hospital Serdang from 2010 to 2015	Geran Putra IPS	2017-2018	IPS-Putra grant	Ongoing