

NORLELATI BINTI A. TALIB



- KULLIYAH OF MEDICINE
- IIUM Kuantan Campus
- Email address:
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ACADEMIC QUALIFICATION

- Master of Patology (Haematology)
- Basic Medical Degree

TEACHING RESPONSIBILITIES

BASIC LABORATORY TECHNIQUES	2013/2014
BODY REACTION TO PHYSICAL, CHEMICAL & BIOLOGICAL AGENTS	2010/2011 2014/2015 2015/2016 2017/2018
CARDIOVASCULAR, RESPIRATORY, BLOOD AND BLOOD FORMING ORGANS	2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2016/2017 2017/2018 2018/2019
GENERAL MOLECULAR & PROTEOMICS TECHNIQUES	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
INTRODUCTION TO MEDICAL BIOCHEMISTRY	2014/2015
MEDICAL LABORATORY INSTRUMENTATION	2013/2014
NORMAL RESPONSE & PROCESS TO DISEASED STATE	2010/2011 2011/2012 2012/2013 2014/2015 2016/2017 2017/2018 2018/2019
NORMAL STRUCTURE & FUNCTION OF THE HUMAN CELL, TISSUE & BODY SYSTEM	2010/2011 2011/2012 2012/2013 2014/2015 2015/2016 2017/2018 2018/2019
RESEARCH (DATA COLLECTION)	2014/2015
RESEARCH (LITERATURE REVIEW)	2014/2015
RESEARCH METHODOLOGY	2014/2015 2015/2016 2016/2017
RESEARCH PROPOSAL	2014/2015
THE ALIMENTARY AND HEPATOBILIARY SYSTEMS	2011/2012 2012/2013 2014/2015 2016/2017 2017/2018 2018/2019
THE ENDOCRINE, REPRODUCTIVE URINARY SYSTEMS	2014/2015 2015/2016 2018/2019
THE LOCOMOTOR AND NERVOUS SYSTEMS	2010/2011 2014/2015 2015/2016 2017/2018
THESIS	2014/2015
TRANSFUSION SCIENCE & BLOOD BANKING	2014/2015

RESEARCH PROJECTS

In Progress

- 2018 - Present** ROLE OF MicroRNAs IN ACUTE MYOCARDIAL INFARCTION IN MALAYSIAN POPULATION
- 2018 - Present** Molecular Approach Of Attenuation Of Non-Alcoholic Steatohepatitis With Tualang Honey Supplementation In Animal Model
- 2018 - Present** Epigenetics of schizophrenia: DNA methylation mechanisms of immune gene Complement C4 as the basis of schizophrenia.
- 2017 - Present** A quantitative and qualitative research of detection of Familial Hypercholesterolemia and Perceived Vulnerability of Cardiovascular Disease in IIUM Family Health Clinic
- 2017 - Present** Elucidating the anti-cancer Mechanism of thymoquinone nanoparticles involving the MAPK signaling pathway in zebrafish xenografts of colonic and melanoma cancers. in vitro & in vivo study
- 2014 - Present** Fundamental Basis of Nephropathy in Chronic Low Dose Organophosphates Exposure
- 2014 - Present** Epigenetics of Schizophrenia: A Focus on the DNA Methylation Mechanism and Expression of DISC1 Gene

Completed

- 2014 - 2016** Assessment of Reactive Oxygen Species Status and Neuroprotection by Vitamin E in Chronic Cerebral Hypoperfusion-Induced Neurodegeneration in Rats
- 2014 - 2017** Medicinal Benefits Of Phyllanthus Niruri To Reduce The Urologic Complications Of Diabetes
- 2014 - 2017** Hyperglycaemia Induce Nephrotoxicity in Chronic Low Dose Organophosphates Exposed Experimental Animals
- 2014 - 2017** Development Of HCV Genotyping Protocol Based On High Resolution Melting Analysis Real-Time PCR: A Pilot Study
- 2014 - 2018** Epigenetics of Schizophrenia: A Focus on the DNA Methylation Mechanism and Expression of DISC1 Gene
- 2014 - 2017** Paraoxonase-1 (PON-1) and Hepatotoxicity: Bridging the Gap in the Mechanism of Atherosclerosis in Chronic Organic Arsenic Exposure
- 2014 - 2018** Assessing the New Technique for HCV RNA Quantification Using Real-time PCR
- 2013 - 2016** The Epigenetics Status of B-Cell Lymphoma In Malaysia: A Focus on DNA Methylation and Gene Expression.
- 2013 - 2016** The effects of Celecoxib, Zileuton and Malaysia Tualang honey as Neuroprotective Agents in Chronic cerebro-hypoperfusion-induced neurodegeneration in rats
- 2013 - 2016** Exploration of Genetic Entities of Schizophrenia: A Shifting from the Typical Case-Control Study to Exploration Across Psycho-Pathological Symptoms and Psychosocial Performances

- 2012 - 2015** Study On Molecular Diagnostic Method of Synovial Sarcoma
- 2012 - 2014** Development Molecular Beacon Real Time PCR assay for simultaneous quantification and genotyping of HCV in blood samples of infected patients
Change to- Interrelationship between qHBsAg, HBV DNA load, genotypes and peripheral immune cells in patients with chronic hepatitis B virus infection.
- 2012 - -1** Study On Molecular Diagnostic Method of Synovial Sarcoma
- 2011 - 2013** RU 2011 -Effect of Nigella sativa oil treatment on the hippocampal MAP-2 mRNA expression in the murine model of experimental neurodegenerative disease.
- 2011 - 2015** Angiotensin I Converting Enzyme Gene Polymorphism in Ischemic heart diseases
- 2011 - 2014** RU 2011 -MYC and BLC2 Gene expression in Burkitt Lymphoma and diffuse large B-cell lymphoma
- 2011 - 2014** RU 2011 -Study of demographic, clinical data and biomaterial collection of coronary artery disease (CAD) patients in Pahang.
- 2011 - 2014** (RU2011) Investigation of neuroprotective and cognition enhancing potential of tualang honey in chronic cerebral hypoperfusion-induced neurodegeneration in rats
- 2011 - -1** RU 2011 -Effect of Nigella sativa oil treatment on the hippocampal MAP-2 mRNA expression in the murine model of experimental neurodegenerative disease.
- 2011 - 2014** Validation of Potential Markers in Cardiovascular Research
- 2011 - 2013** (RU2011) Development of in-house one-tube RT-PCR protocol for HCV-RNA detection
- 2011 - 2013** Assessment of Neuroprotective Effect of Nigella sativa (Black Cumin) and Murraya Koenigii (Curry Leaves) Extracts in a Two Vessel Occlusion Rat Model of Alzheimer's Disease
- 2010 - 2011** 192RR Allele of Paraoxonase 1 (PON1) and APO E Epsilon 4 Genes as New Markers for Susceptibility to Hypertension
- 2010 - 2012** Study of Demographic, Clinical data and Biomaterial collection of Schizophrenia patients in Pahang
- 2010 - 2012** K-ras Mutation Detection in Colorectal Specimen Operated by Colorectal Unit IIUM : A Pilot Study
- 2010 - 2013** Effects of Chronic organophosphate exposure on the Development of Atherosclerosis in Experimental Animals
- 2010 - 2012** Genetic Susceptibility of Schizophrenia: DISC-1 and DRDF2 Regions
- 2010 - 2012** Study of Codon-16 Variation of B-2 Adrenergic Receptor Gene and Highly Sensitive CRP in Hypertensive Subjects
- 2010 - 2012** Effects of Ibuprofen and celecoxib as Neuroprotective Agent in Chronic Cerebral Hypoperfusion-induced neurodegenerations in Rats

- 2009 - 2011** Assessment of reactive oxygen species(ROS)status in chronic cerebral hypoperfusion-induced neurodegeneration.
- 2009 - 2010** Salting Method Optimization for DNA Purification
- 2009 - 2012** Purification of High Activity Taq Dna Polymerase
- 2008 - 2013** New Title : A Preliminary Study of Paraoxonase Activity in the Healty Population and Coronary Aretry Disease Patients in Malaysia Old Title: A Study of Prevalence of False Positive HCV ELISA in Malaysia - Towards Developing A New and More Effective Treatment Protocol with Available Anti-Viral Drug
- 2007 - 2011** The Study of -2 Adrenergic Receptors Gene Polymorphism Neurohormones Among Hypertensives

PUBLICATIONS

Article

- 2018** [Establishment of simultaneous detection and quantitation of HCV-RNA by third generation intercalating dye real-time PCR.](#) The International Medical Journal Malaysia , 17 (1) pp.31
- 2018** [Oxidative stress induced nephrotoxicity in chronic low dose organophosphates \(OP\) exposure.](#) The Malaysian Journal of Pathology , 40 (2) pp.242-243
- 2018** [Chronic organic arsenic induced liver ultra structural damage.](#) International Medical Journal Malaysia , 17 (Supplementary Issue No 1) pp.37-37
- 2018** [DNA methylation of membrane-bound catechol-O-methyltransferase in Malaysian schizophrenia patients.](#) Psychiatry and Clinical Neuroscience , 72 (4) pp.266-279
- 2018** [Risk factor profile of young adults with acute myocardial infarction: a preliminary finding.](#) International Medical Journal Malaysia , 17 (Supplementary Issue No 1) pp.62-62
- 2018** [Red cell antibody screening: a single centre experience.](#) International Medical Journal Malaysia , 17 (Supplementary Issue No 1) pp.33-33
- 2017** [The presence of single-nucleotide polymorphisms in hps4 gene in a subset of schizophrenic patients in Pahang: a preliminary study.](#) International Journal of Allied Health Sciences , 1 (2) pp.14-27
- 2017** [Relation between apoE gene polymorphism and coronary artery disease in South East and East Asian Countries.](#) Asian Journal of Epidemiology , 10 (2) pp.54-62
- 2017** [Endothelial Nitric oxide synthase gene polymorphism and coronary artery disease in Asian Populations.](#) Journal of Medical Sciences , 17 (1) pp.38-45
- 2017** [Reelin \(RELN\) DNA methylation in the peripheral blood of schizophrenia.](#) Journal of Psychiatric Research , 88 pp.28-37

- 2017** [Optimization of droplet digital polymerase chain reaction \(ddpcr\) for DNA copy number variation analysis of CNV esv27061 in young adults with higher blood pressure in young adults with higher blood pressure.](#) International Medical Journal Malaysia , 16 (Supplementary Issue 1) pp.29-29
- 2017** [The identification of copy number variation of CNV esv27061 among young adults with hypertension: preliminary findings.](#) International Medical Journal Malaysia , 16 (Supplementary Issue 1) pp.31-31
- 2017** [MGMT and SPOCK2 promoter methylation in diffuse large B-Cell lymphoma: a study in two tertiary health centres in the East Coast of Malaysia = Metilasi promoter MGMT dan SPOCK2 dalam diffuse large B-cell lymphoma: satu kajian yang dijalankan di dua pusat Kesihatan di Pantai Timur Malaysia.](#) Malaysian Journal of Health Sciences , 15 (2) pp.77-82
- 2017** [p16 tumor suppressor gene methylation in diffuse large B cell lymphoma: a study of 88 cases at two hospitals in the East Coast of Malaysia.](#) Asian Pacific Journal of Cancer Prevention , 18 (10) pp.2781-2785
- 2017** [The effects of Eurycoma longifolia on testosterone and blood pressure in high-fat-Fed animal model.](#) Journal of Applied Pharmaceutical Science , 7 (4) pp.119-124
- 2017** [Anti-atherosclerotic effects of Eurycoma Longifolia \(Tongkat Ali\) in rats fed on high-fat diet.](#) The International Medical Journal Malaysia , 16 (1) pp.83-90
- 2017** [Liver Sinusoidal Endothelial Cell \(LSEC\) isolation following a liver perfusion technique.](#) The International Medical Journal Malaysia (IMJM) , 16 (Supp. 1) pp.27
- 2016** [Nephrotoxicity in chronic low dose organophosphate exposure.](#) The Malaysian Journal of Pathology , 38 (2) pp.193-193
- 2016** [Detection of SYT-SSX mutant transcripts in formalin-fixed paraffin-embedded sarcoma tissues using one-step reverse transcriptase real-time PCR.](#) The Malaysian Journal of Pathology , 38 (1) pp.11-18
- 2016** [Organic arsenical exposures stimulates atheroscleorosis through oxidative stress increase and adhesion molecule expression.](#) Journal of Applied Pharmaceutical Science , 6 (11) pp.040-051
- 2016** [Assessment of anti-atherosclerotic effect of Eurycoma longifolia extract on high-fat diet model in rats. I: Histological study.](#) European Journal of Anatomy , 20 (2) pp.131-136
- 2016** [Pyrosequencing-based quantitative identification of p16 methylation in diffuse large b-cell lymphoma at two centres in the east coast of malaysia.](#) Journal of Biomedical and Clinical Sciences , 1 (1) pp.12-17
- 2015** [Apolipoprotein e gene polymorphisms in essential hypertension: a preliminary study with meta-analysis.](#) International Medical Journal Malaysia , 14 (2) pp.45-52
- 2015** [Atherosclerosis in chronic organic arsenic \(monosodium methylarsonate\) exposure.](#) The Malaysian Journal of Pathology , 37 (2) pp.188-188
- 2015** [Apolipoprotein e gene polymorphisms in essential hypertension: a preliminary study with meta-analysis.](#) The International Medical Journal Malaysia , 14 (2) pp.39-46

- 2015** [Disrupted-in-schizophrenia-1 SNPs and susceptibility to schizophrenia: evidence from Malaysia.](#) Psychiatry Investigation , 12 (1) pp.103-111
- 2015** [MethyLight TaqMan® Assay for quantification of DNA methylation of Reelin \(RELN\) gene in schizophrenia: preliminary data.](#) Malaysian Journal of Pathology , 37 (2) pp.191
- 2015** [Epigenetic silencing status of p16INK4a and MGMT promoter regions identified qualitatively in diffuse large B cell lymphoma.](#) Public Health Genomics , 18 (supp.1) pp.20-20
- 2014** [Potential protective effect of honey against chronic cerebral hypoperfusion-induced neurodegeneration in rats.](#) Journal of the Anatomical Society of India , 63 (Sp iss) pp.151-155
- 2014** [Inherited anti-thrombin deficiency in a Malay-Malaysian family: a missense mutation at nucleotide g.13267C>A aka anti-thrombin Budapest 5 \(p.Pro439Thr\) of the SERPINC 1 gene.](#) The Medical Journal of Malaysia , 69 (1) pp.27-30
- 2014** [Disrupted-in-Schizophrenia-1 \(DISC1\) gene as genetic markers of schizophrenia susceptibility.](#) Asian Pacific Journal of Tropical Disease , 4 (3) pp.236-236
- 2014** [Paraoxonase-1 \(PON1\): bridging the organophosphate exposure to atherosclerosis.](#) The Malaysian Journal of Pathology , 36 pp.76-77
- 2014** [Effects of nigella sativa \(Linn.\) seeds extract treatment on the hippocampal MAP2 and GFAP mRNA expressions in the experimental neurodegeneration.](#) International Journal of Stroke , 9 (Supp.1) pp.29
- 2013** [Quantifying dorsal Hippocampal CA-1 pyramidal cells in rats: rules to light microscope based estimation.](#) Malaysian Journal of Microscopy , 9 (2013) pp.165-169
- 2013** [Relationship of psychological symptoms, antipsychotics and social data with psychosocial function in schizophrenia patients in Malaysia.](#) Asia-Pacific Psychiatry , 7 (1) pp.45-53
- 2012** [Protective effect of treatment with black cumin oil on spatial cognitive functions of rats that suffered global cerebrovascular hypoperfusion.](#) Acta Neurobiologiae Experimentalis , 72 (2) pp.154-165
- 2012** [Preliminary study on association of \$\beta\$ 2 - adrenergic receptor polymorphism with hypertension in hypertensive subjects attending Balok Health Centre, Kuantan.](#) The Medical Journal of Malaysia , 67 (1) pp.25-30
- 2012** [Obesity in multiracial schizophrenia patients receiving outpatient treatment in a regional tertiary hospital in Malaysia.](#) East Asian Archives of Psychiatry , 22 (2) pp.49-56
- 2011** [Beneficial effect of the leaves of Murraya koenigii \(Linn.\) Spreng \(Rutaceae\) on diabetes-induced renal damage in vivo.](#) Journal of Ethnopharmacology , 135 (1) pp.88-94
- 2011** [Screening for thalassaemia among group of students of a higher institution – our experience.](#) International Medical Journal Malaysia , 10 (1) pp.3-6
- 2010** [Comparison between manual salting-out and commercialized DNA extraction from small volume of peripheral blood .](#) Malaysian Applied Biology , 39 (1) pp.43-48

- 2010 [DNA isolation from whole blood using in-house method versus commercialized techniques: quality and cost consideration.](#) The Malaysian Journal of Pathology , 32 (2) pp.152
- 2010 [A descriptive study of blood films of patients serologically positive for dengue in Hospital Tengku Ampuan Afzan, Kuantan.](#) International Medical Journal Malaysia , 9 (2) pp.35-37
- 2006 [Evaluation of mutation effects on UGT1A1 activity toward 17beta-estradiol using liquid chromatography-tandem mass spectrometry.](#) Journal of chromatography. B, Analytical technologies in the biomedical and life sciences , 838 (1) pp.9-14
- 2006 [Frequencies of A\(TA\)₇TAA, G71R, and G493R mutations of the UGT1A1 gene in the Malaysian population.](#) Biology of the neonate , 89 (3) pp.171-6

Conference or Workshop Item

- 2018 [Oxidative stress induced nephrotoxicity in chronic low dose organophosphates exposure.](#) In: **2018 International Congress of Pathology & Laboratory Medicine (ICPaLM 2018)**
- 2017 [Analysis of sample rejection at newly established pathology laboratory of the International Islamic University Malaysia Medical Centre \(IIUMMC\).](#) In: **27th MACB Conference**
- 2017 [COMT methylation as a potential peripheral biomarker of schizophrenia.](#) In: **INFORMM's Second International Conference on Molecular Diagnostics & Biomarker Discovery**
- 2017 [Methylation-specific PCR assay for quantification of DNA methylation of SPG20 gene in colorectal cancer.](#) In: **7th Regional Conference on Molecular Medicine (RCMM) in conjunction with 3rd National Conference for Cancer Research**
- 2017 [Prediction of clinical symptoms of schizophrenia based on COMT methylation marker.](#) In: **Medical Research Symposium 2017**
- 2017 [Epigenetic changes of DRD2 gene in pathogenesis of schizophrenia.](#) In: **Medical Research Symposium 2017**
- 2016 [Hepatitis c virus RNA quantification using Evagreen® dye real time PCR.](#) In: **Medical, Medicine & Health Sciences MMHS 2016**
- 2016 [Nephrotoxicity in chronic low dose organophosphate exposure.](#) In: **2016 Annual Scientific Meeting, Colleague of Pathologists, Academy of Medicine of Malaysia updates and Dilemmas in Pathology**
- 2016 [Effects of serum stored at various temperature and freeze-thaw cycles on selected biochemical parameters.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [DNA methylation of disrupted in schizophrenia 1 \(disc1\) gene in schizophrenia using methylight taqman assay.](#) In: **Medical Research Symposium (MRS) and Pasific Partner Partnership (PP16) in conjunction with Kuantan Research Day (KRD) 2016**
- 2016 [Relationship of brain derived neurotrophic factor \(BDNF\) DNA methylation with schizophrenia.](#) In: **41st Annual Conference of the Malaysian Society for Biochemistry and Molecular Biology (MSBMB 2016)**

- 2016 [Relationship of brain derived neurotrophic factor DNA methylation with psychopathologic symptoms and antipsychotics in stable schizophrenia.](#) In: **30th Scientific Meeting of Malaysia Society of Pharmacology and Physiology (MSPP), 2016**
- 2016 [Methylation status of MGMT and SPOCK2 in diffuse large B-cell lymphoma.](#) In: **3rd Pan Asian Biomedical Science Conference**
- 2016 [Epigenetic methylation status of P16, MGMT and SPOCK2 in diffuse Large B cell lymphoma.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2015 [The effect of oral administration of Eurycoma longifolia extract on body weight and blood pressure in Sprague dawley rats fed high-fat diet.](#) In: **29th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP)**
- 2015 [Assessment of reactive oxygen species status and neuroprotection by vitamin e in chronic cerebral ypoperfusion-induced neurodegeneration in rats.](#) In: **29th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP)**
- 2015 [Association of SLC6A4 gene polymorphisms with Schizophrenia.](#) In: **2nd International Conference on Advances in Medical Sciences (ICAMS) 2015**
- 2015 [Assessment of reactive oxygen species status and neuroprotection by Vitamin E in chronic cerebral hypoperfusion induced neurodegeneration in rats.](#) In: **International Conference on Antioxidants and Degenerative Diseases (ICADD)**
- 2015 [Chronic Monosodium Methylarsonate \(MSMA\) exposure induces oxidation of Low Density Lipoprotein \(LDL\) and early atherosclerosis development.](#) In: **International Conference on Advancement in Science and Technology (iCAST 2015) - 'Frontiers in Biotechnology'**
- 2015 [MethyLight TaqMan® assay for quantification of DNA methylation of Reelin \(RELN\) gene in schizophrenia: preliminary data.](#) In: **2015 Annual Scientific Meeting College of Pathologists Academy of Medicine of Malaysia**
- 2015 [Ornithine decarboxylase gene expression in human lung carcinoma cells, A549 treated with pomegranate juice.](#) In: **International Conference on Advancement in Science and Technology (iCAST 2015) - 'Frontiers in Biotechnology'**
- 2015 [Screening and comparison of the antidiabetic properties of Phyllanthus niruri in alloxan-induced rats.](#) In: **International Conference on Advancement in Science and Technology (iCAST 2015) - 'Frontiers in Biotechnology'**
- 2015 [Quantification of DNA methylation for COMT, RELN and HTR2C in schizophrenia using methylight assay.](#) In: **29th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP)**
- 2015 [Renal impairment in intermittent chronic low dose organophosphate exposure: biochemical evidence.](#) In: **29th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP)**
- 2015 [Assessment of ROS status and neuroprotection by Vitamin E in chronic cerebral hypoperfusion-induced neurodegeneration in rats.](#) In: **International Conference of Antioxidants and Degenerative Diseases (ICADD 2015)**

- 2015 [Identification of RS9960767 at TCF4 gene in Malaysian schizophrenia and rheumatoid arthritis patients: a preliminary study.](#) In: **Human Genome Meeting 2015 (HGM 2015)**
- 2015 [Methylation-specific PCR Revealed Aberrant Promoter Gene Methylation of p16, MGMT and SPOCK2 in Diffuse Large B-cell Lymphoma.](#) In: **International Conference on Biomedical and Health Sciences Research 2015**
- 2015 [Eurycoma longifolia extract exhibits anti-atherosclerotic effects in an in-vivo model.](#) In: **4th International Conference on Pharmaceuticals, Nutraceuticals and Cosmetic Science (IPNaCs)**
- 2014 [A study on angiotensin converting enzyme gene insertion/ deletion polymorphism in cardiovascular diseases.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**
- 2014 [Nitric oxide synthase Glu298Asp gene polymorphism in cardiovascular diseases.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**
- 2014 [Hippocampal GFAP and MAP2 mRNA expressions of curry leaves extract treatment in 2VO rats of neurodegeneration.](#) In: **International Conference on Natural Products 2014**
- 2014 [Methylation specific-high resolution melting analysis of DISC1.](#) In: **International Medical Genetics Conference (IMGC 2014)**
- 2014 [Assessment of neuroprotective potential of Tualang honey in alzheimer model of rat.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**
- 2013 [A study of Paraoxonase-1 192 gene polymorphism in coronary artery disease.](#) In: **9th National Biology Symposium**
- 2013 [Apolipoprotein E gene polymorphism in hypertension.](#) In: **IUM Research, Invention and Innovation Exhibition (IRIIE) 2013**
- 2013 [Assessment of celecoxib, a selective cox-2 inhibitor, as a neuroprotective agent in alzheimer's model of rats.](#) In: **IUM Research, Invention and Innovation Exhibition (IRIIE) 2013**
- 2013 [Assessment of ibuprofen, non-selective cox inhibitor, as a neuroprotective agent in Alzheimer's model of rats.](#) In: **IUM Research, Invention and Innovation Exhibition (IRIIE) 2013**
- 2013 [Celecoxib as a neuroprotective agent in chronic cerebral hypoperfusion-induced neurodegeneration in rats.](#) In: **XX World Congress on Parkinson's Disease and Related Disorders**
- 2013 [A Study of Paraoxonase \(PON-1\) Activity and Concentration in Coronary Artery Disease Patients in Kuantan, Pahang.](#) In: **International Conference on Medical and Health Sciences**
- 2013 [Multiplexing of reverse-transcription polymerase chain reaction for Hepatitis C virus genotyping.](#) In: **USIM's 4th Annual Health Conference (AHC 2013)**

- 2013 [CA1 hippocampal neuronal responses to curry leaves extract treatment in rats subjected to chronic cerebral hypoperfusion : a behavioral and histopathological study](#) . In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2013**
- 2013 [Preservation of hippocampal ultrastructural constituents with Nigella sativa oil treatment to rats challenged by global cerebral oligemia](#). In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2013**
- 2012 [Obesity in Schizophrenia receiving outpatient treatment in regional hospital in Malaysia](#). In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2012**
- 2012 [A preliminary report on early Atherosclerotic changes and Paraoxonase\(PON1\) activity in Organophosphate exposed rats](#) . In: **12th Symposium of Malaysia Society of Applied Biology**
- 2012 [Ultrastructural assessment of the CA1 hippocampal neuronal changes in curry leaves extract treated rats subjected to chronic cerebral hypoperfusion](#). In: **21st Scientific Conference of the Microscopy Society Malaysia**
- 2012 [Transmission electron microscopical assessment of black cummin fixed oil treatment on rat's hippocampus with surgically induced neurodegeneration](#). In: **26th Scientific meeting of Malaysian Society of Pharmacology and Physiology**
- 2012 [Preliminary analyses on detection of SYT-SSX fusion-transcripts in Synovial Sarcoma](#). In: **11th Annual Scientific Meeting, College of Pathologist Malaysia**
- 2012 [Paraoxonase-1 \(PON1\) activity in serum and various anticoagulated-plasma](#) . In: **11th Annual Scientific Meeting, College of Pathologist**
- 2012 [Assessment of ibuprofen as a neuroprotective agent in chronic cerebral hypoperfusion-induced neurodegeneration in rats..](#) In: **26th Scientific Meeting of Malaysian Society of Pharmacology & Physiology**
- 2012 [Effect of Nigella sativa on chronic cerebral hypoperfusion-induced memory and learning impairment](#). In: **IIUM Research, Invention and Innovation Exhibition IRIIE 2012**
- 2012 [Neuroprotective effect of black cummin oil against cerebrovascular hypoperfusion induced pyramidal cell loss in rats](#). In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2012**
- 2011 [Mnemonic effects of Fixed Oil of Black Cummin \(Nigella sativa\) seeds on aged rats with memory impairment](#) . In: **Malaysia-Australia Research Colloquium on Exercise, Nutrition, Health and Wellness**
- 2011 [Mnemonic effects of Fixed Oil of Black Cummin \(Nigella sativa\) seeds on aged rats with memory impairment](#). In: **Malaysia-Australia Research Colloquium on Exercise, Nutrition, Health and Wellness, Park Royal Hotel, Batu Feringghi, Penang, MALAYSIA.**
- 2011 [Quantifying dorsal hippocampal CA1 pyramidal cells in rats: Rules to Light Microscope based estimation](#). In: **Harnessing Microscopy and Nuclear Science for Green Technology**

- 2011 [Preventive effect of nigella sativa oil against hippocampal pyramidal cell loss induced by permanent bilateral common carotid artery occlusion in rats.](#) In: **International Health Conference IIUM 2011**
- 2011 [Association of apolipoprotein E and GLN192ARG paraoxonase 1 gene polymorphisms with hypertension.](#) In: **1st National Postgraduate Conference in Molecular Medicine, 2011**
- 2011 [Quantifying CA1 Dorsal Hippocampal Pyramidal Cells in rats : rules to light microscope based estimation.](#) In: **20th Scientific Conference of the Microscopy society of Malaysia**
- 2010 [Production of autologous platelet-rich plasma from an animal model.](#) In: **IIUM Research, Invention and Innovation Exhibition 2010**
- 2010 [Study of \$\beta\$ 2-Adrenergic Receptor Polymorphisms among Hypertensive.](#) In: **3rd IIUM-iCAST International Conference on Advancement in Science and Technology**
- 2010 [Nephroprotective effect of the leaves of *Murraya koenigii* L. Spreng in vivo..](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
- 2010 [Study of Beta 2-Adrenergic Receptor Polymorphisms among Hypertensives.](#) In: **3rd International Conference on Advancement in Science and Technology (ICAST)**
- 2009 [A survey on perception and knowledge of transfusion medicine among final year medical students.](#) In: **4th National Transfusion Medicine Conference**
- 2009 [A review of transfusion reaction reports for the year 2008.](#) In: **4th National Transfusion Medicine Conference 2009**

Book

- 2017 [The effect of chlorpyrifos on the aorta.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-731-6

Book Section