

NOR ZAMZILA BT. ABDULLAH



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المؤهل العلمي

- Pathology (Chemical Pathology)
- Doctor of Medicine

مسؤوليات التدريس

BASIC LABORATORY TECHNIQUES	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
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 2014/2015 2017/2018 2018/2019
CLINICAL BIOCHEMISTRY	2011/2012
GENERAL MOLECULAR & PROTEOMICS TECHNIQUES	2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
MEDICAL ENZYMOLOGY	2016/2017
MEDICAL LABORATORY INSTRUMENTATION	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
NORMAL RESPONSE & PROCESS TO DISEASED STATE	2010/2011 2011/2012 2014/2015 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
REGULATION OF METABOLISM IN HUMAN	2017/2018
RESEARCH (DATA COLLECTION)	2011/2012 2012/2013 2013/2014 2014/2015
RESEARCH (LITERATURE REVIEW)	2013/2014
RESEARCH METHODOLOGY	2012/2013
RESEARCH PROPOSAL	2013/2014
THE ALIMENTARY AND HEPATOBILIARY SYSTEMS	2011/2012 2012/2013 2014/2015 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

المشاريع البحثية

In Progress

- 2019 - Present** - A novel study of matrix metalloproteinases (MMPs) and its tissue inhibitors (TIMPs) to reduce failure of autologous arteriovenous fistula (AVF) in Malaysia
- 2019 - Present** - The Identification of microRNAs Pathogenic Pathway in Acute Myocardial Infarction of Young Adults
- 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** - Molecular Approach Of Attenuation Of Non-Alcoholic Steatohepatitis With Tualang Honey Supplementation In Animal Model
- 2018 - Present** - ROLE OF MicroRNAs IN ACUTE MYOCARDIAL INFARCTION IN MALAYSIAN POPULATION
- 2017 - Present** - A quantitative and qualitative research of detection of Familial Hypercholesterolemia and Perceived Vulnerability of Cardiovascular Disease in IIUM Family Health Clinic
- 2016 - Present** - Fat constituent of breast milk, and its relationship with infant gender
- 2015 - Present** - Molecular Mechanism of Tualang honey on 12% Cholesterol diet induced nonalcoholic steatohepatitis (NASH) animal model
- 2015 - Present** - Nypa Fruiticans: Regulation of Oxidative Markers and Metabolic Status in Reducing Blood Pressure and DNA Adducts among Workers Exposed to Pesticides

Completed

- 2015 - 2018** - Development of Glomerular Filtration Rate Monitor Based on Creatinine Kinetic Modelling in Critically Ill Patients
- 2015 - 2018** - Molecular Mechanism of Tualang honey on 12% Cholesterol diet induced nonalcoholic steatohepatitis (NASH) animal model
- 2014 - 2017** - Paraoxonase-1 (PON-1) and Hepatotoxicity: Bridging the Gap in the Mechanism of Atherosclerosis in Chronic Organic Arsenic Exposure
- 2014 - 2017** - Hyperglycaemia Induce Nephrotoxicity in Chronic Low Dose Organophosphates Exposed Experimental Animals
- 2014 - 2017** - The Effects of Tualang Honey on Non-Alcoholic Steatohepatitis in rat Model
- 2014 - 2019** - Fundamental Basis of Nephropathy in Chronic Low Dose Organophosphates Exposure

- 2014 - 2016** The Diagnostic And Predictive Performance Of Plasma Neutrophil-Gelatinase Associated Lipocalin In Critically Ill Patients With Systematic Inflammatory Syndrome, Sepsis And Acute Kidney Injury.
- 2013 - 2016** Study on Cancer Prevention Strategy by Punica Granatum Extract: The Role of Polyamines in Regulating Cell Cycle and Cell Death in Human Lung Carcinoma A549 Cells
- 2012 - 2015** Study On Molecular Diagnostic Method of Synovial Sarcoma
- 2011 - 2015** Questionnaire in Awareness, Knowledge and Practicality of Solat among the inward patients
- 2011 - 2014** Validation of Potential Markers in Cardiovascular Research
- 2011 - 2014** RU 2011 -Study of demographic, clinical data and biomaterial collection of coronary artery disease (CAD) patients in Pahang.
- 2011 - 2013** RU 2011 -Diagnostic value of procalcitonin, C-reactive protient, Interleukin-8 in critically ill patients admitted with suspected sepsis.
- 2011 - 2015** RU 2011 -Retention of basic sciences knowledge in mediceal student of clinical years.
- 2011 - 2013** (RU2011) Applying the 'Case Method' in the teaching of Basic Medical Science in a Medical curriculum
- 2011 - 2014** RU 2011 - The Study of Paraoxonase 1 (PON1) Activity and Augmentation Index among General Population
- 2011 - -1** RU 2011 -Diagnostic value of procalcitonin, C-reactive protient, Interleukin-8 in critically ill patients admitted with suspected sepsis.
- 2010 - 2012** Study of Codon-16 Variation of B-2 Adrenergic Receptor Gene and Highly Sensitive CRP in Hypertensive Subjects
- 2010 - 2013** PON1 Activity Level, Oxidized-LDL and Pulse Wave Velocity Among Organophosphate Pesticides Exposed Male workers
- 2010 - 2011** 192RR Allele of Paraoxonase 1 (PON1) and APO E Epsilon 4 Genes as New Markers for Susceptibility to Hypertension
- 2010 - 2013** Effects of Chronic organophosphate exposure on the Development of Atherosclerosis in Experimental Animals
- 2009 - 2010** Salting Method Optimization for DNA Purification
- 2008 - 2011** A Preliminary Study of Paraoxonase Activity and Lipid Parameters among Workers Who Are Exposed to Organophosphate Pesticides
- 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
- 2008 - 2012** Serum Adiponectin Status as Biomarker of Metabolic

- 2008 - 2012** Procalcitonin (PCT) as a Highly Sensitive and Specific Sepsis Marker in the Adult Intensive Care Unit (ICU)
- 2007 - 2011** The Study of -2 Adrenergic Receptors Gene Polymorphism Neurohormones Among Hypertensives

المنشورات

Article

- 2019** [Non-alcoholic steatohepatitis animal model induction.](#) World Journal of Pharmacy and Pharmaceutical Sciences , 8 (4) pp.1523-1538
- 2018** [Red cell antibody screening: a single centre experience.](#) International Medical Journal Malaysia , 17 (Supplementary Issue No 1) pp.33-33
- 2018** [Pomegranate juice induced cell cycle arrest and apoptosis through mitochondria pathway in human lung adenocarcinoma cells.](#) International Journal of Engineering & Technology , 7 (3.21) pp.287-292
- 2018** [Early effects of high cholesterol diet on the kidney of an animal model.](#) PONTE , 74 (3/1) pp.168-178
- 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** [Tualang honey effects on high cholesterol diet induced nonalcoholic steatohepatitis in an animal model.](#) World Journal Of Pharmacy And Pharmaceutical Sciences , 7 (2) pp.1383-1396
- 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** [Renoprotective role of tualang honey against high cholesterol diet induced acute kidney diseases in an animal model.](#) Journal of Applied Pharmaceutical Science , 7 (12) pp.97-101
- 2017** [Reelin \(RELN\) DNA methylation in the peripheral blood of schizophrenia.](#) Journal of Psychiatric Research , 88 pp.28-37
- 2017** [Early effects of high cholesterol diet on the kidney of an animal model.](#) International Medical Journal Malaysia (IMJM) , 16 (supp. 1) pp.20
- 2017** [Renoprotective role of tualang honey against high cholesterol diet induced acute kidney diseases in an animal model.](#) International Medical Journal Malaysia (IMJM) , 16 (supp. 1) pp.26
- 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** [The diagnostic ability of procalcitonin and interleukin-6 to differentiate infectious from noninfectious systemic inflammatory response syndrome and to predict mortality.](#) Journal of Critical Care , 33 pp.245-251
- 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** [The effects of maternal serum lipid on maternal blood pressure and fetal birth weight: a prospective cohort study.](#) Gynecology & Obstetrics , 5 (2) pp.1000276-1
- 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** [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** [Pesticides exposure and cardiovascular hemodynamic parameters among male workers involved in mosquito control in East Coast of Malaysia.](#) American Journal of Hypertension , 29 pp.1-8
- 2014** [Adiponectin correlates in Malaysians: a comparison of metabolic syndrome and healthy respondents.](#) American Journal of Clinical Medicine Research , 2 (6) pp.106-110
- 2014** [Paraoxonase-1 \(PON1\): bridging the organophosphate exposure to atherosclerosis.](#) The Malaysian Journal of Pathology , 36 pp.76-77
- 2013** [Pesticide handling practices and quantitative sensory testing among foggers in Vector Unit, Kuantan District Health Office.](#) International Medical Journal , 20 (1) pp.2-5
- 2013** [Awareness, knowledge and practicality of solat among the in-ward patient: A preliminary study.](#) The International Medical Journal Malaysia , 12 (2) pp.8-8
- 2013** [Procalcitonin as a sepsis marker: experience of an intensive care setting in Malaysia.](#) Brunei International Medical Journal , 9 (4) pp.243-252
- 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** [Paraoxonase-1 \(PON1\) activity in serum and various anticoagulated-plasma .](#) The Malaysian Journal of Pathology , 34 (2) pp.216-216

- 2011 [Cardiovascular haemodynamic parameters among male organophosphates pesticides exposed workers.](#) Malaysian Journal of Health Sciences , 7 (3(sup)) pp.26-26
- 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 [Oxidized-low density lipoprotein level among Organophosphates \(OPs\) pesticide exposed workers.](#) The Malaysian Journal of Pathology , 32 (2) pp.152-153
- 2010 [Plasma cholinesterase and paraoxonase activities among organophosphate pesticides exposed estate workers.](#) Malaysian Journal of Community Health , 16 (Supp.1) pp.61-62
- 2009 [Smoker desaturation during general anaesthesia: a case report.](#) International Medical Journal Malaysia , 8 (1) pp.61-63
- 2009 [Continuous spinal anesthesia for lower limb surgery in patient with poor left ventricular function.](#) ASEAN Journal of Anaesthesiology , 10 (Suppl) pp.167
- 2007 [Oral Analgesia 24 hours after major operation: A Comparative Study Of Oral Celecoxib and Tramadol in Patients Undergoing Major Gynaecological Operation.](#) ASEAN Journal of Anaesthesiology , 8 (1) pp.59-65
- 2007 [Oral analgesic 24 hours after major operation: a comparative study of oral celecoxib and tramadol in patients undergoing major gynaecological operation .](#) Asean Journal of Anaesthesiology , 8 pp.57-63

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 [Derivation of a multi-biomarker model and score as a predictor of 30-day mortality in critically ill sepsis patients: A prospective cohort study.](#) In: **Malaysian Society Anaesthesiology Annual Scientific Meeting 2017**
- 2017 [High-sensitivity c-reactive protein \(hs-CRP\)in pre-hypertensive young adults.](#) In: **Conference on BioMedical and Advanced Materials (Bio-CAM 2017)**
- 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 [Tualang honey improves non alcoholic steatohepatitis animal model.](#) In: **Medical Research Symposium & Pacific Partnership**
- 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 [Tualang honey improves non alcoholic steatohepatitis animal model.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [Post herpetic neuralgia after acyclovir treatment.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [The role of polyamines in growth inhibition induced by *Momordica charantia* and *Gynura procumbens* in human lung adenocarcinoma cells, A549.](#) In: **2nd International Conference on Industrial Pharmacy (ICIP 2016)**
- 2015 [Association of SLC6A4 gene polymorphisms with Schizophrenia.](#) In: **2nd International Conference on Advances in Medical Sciences (ICAMS) 2015**
- 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 [Renal impairment in intermittent chronic low dose organophosphate exposure: biochemical evidence .](#) In: **29th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP)**
- 2015 [Plasma neutrophil gelatinase-associated lipocalin best diagnosed acute kidney injury in patients with systemic inflammatory response syndrome and sepsis .](#) In: **Malaysian Society of Anaesthesiologists & College of Anaesthesiologists Annual Scientific Congress 2015 & 13th Asian Society of Paediatric Anaesthesiologists Congress**
- 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 [Establishing a new chronic pain clinic: challenges and achievements.](#) In: **Biennial Scientific Meeting Malaysian Association for the Study of Pain 2014**
- 2013 [A study of Paraoxonase-1 192 gene polymorphism in coronary artery disease .](#) In: **9th National Biology Symposium**
- 2013 [Early procalcitonin dynamics in critically ill patients with sepsis in a tertiary ICU.](#) In: **11th Congress of the World Federation of Societies of Intensive and Critical Care Medicine**
- 2013 [Apolipoprotein E gene polymorphism in hypertension.](#) In: **IUM Research, Invention and Innovation Exhibition (IRIIE) 2013**
- 2013 [Retention of knowledge in preclinical disciplines by clinical students in the IUM medical programme.](#) In: **8th International Medical Education Conference**

- 2013 [Study of oxidized low density lipoprotein and augmentation index among population](#). In: **27th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP2013)**
- 2013 [Retention of Knowledge in Preclinical Disciplines by Clinical Students in the IIUM Medical Programme](#). In: **IIUM Research, Invention and Innovation Exhibition, IRIIE 2013**
- 2013 ["Case Method" in the teaching of disciplines in Basic Medical Sciences in IIUM](#) . In: **8th International Medical Education Conference**
- 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**
- 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 [Oxidized-LDL and augmentation index among male organophosphate pesticides workers](#). In: **Global Risk Forum One Summit 2012-One Health, One Planet, One Future - Risk and Opportunities**
- 2012 [Paraoxonase-1 \(PON1\) activity in serum and various anticoagulated-plasma](#) . In: **11th Annual Scientific Meeting, College of Pathologist**
- 2011 [Serum adiponectin status among metabolic syndrome in Kuantan,Pahang](#). In: **15th Malaysian Family Medicine Scientific Conference**
- 2011 [Serum adiponectin status among metabolic syndrome in Kuantan,Pahang](#). In: **10th Continuing Professional Development (CPD) Series: Diabetic Asia 2011 Conference and Workshop**
- 2011 [Serum Adiponectin status as a Biomarker of metabolic syndrome among Malaysians](#). In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2011 [Chronic Organophosphate Pesticide Exposure and Coronary Artery disease : finding a bridge](#). In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2011 [Role of pulse radiofrequency in entrapment nerve causing neuralgia in pain management : case series](#). In: **International Conference on Interventional Pain management 2011 & FIPP Review Course with Cadaveric Workshop**
- 2011 [Association of apolipoprotein E and GLN192ARG paraoxonase 1 gene polymorphisms with hypertension](#). In: **1st National Postgraduate Conference in Molecular Medicine, 2011**
- 2011 [Pain intervention for failed conservative chronic pain treatment: The light at the end of the tunnel](#) . In: **International Islamic University Malaysia Research, Invention and Innovation 2011**
- 2011 [Role of pulse radiofrequency and radiofrequency in trigeminal neuralgia pain management: card up your sleeve](#). In: **4th Congress of the Association of Southeast Asian Pain Societies**

- 2010 [Paraoxonase \(PON1\) activities and lipid profiles among organophosphates \(OPs\) pesticide exposed workers.](#) In: **11th Symposium for the Malaysian Society of Applied Biology 2010**
- 2010 [Oxidized- Low Density Lipoprotein level among Organophosphates \(OPs\) Pesticide Exposed Workers.](#) In: **9th Annual Scientific Meeting, College of Pathologist AMM 2010**
- 2010 [Study of \$\beta\$ 2-Adrenergic Receptor Polymorphisms among Hypertensive.](#) In: **3rd IIUM-iCAST International Conference on Advancement in Science and Technology**
- 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 [Smoker desaturation during general anaesthesia: a case report.](#) In: **16th Asean Congress of Anaesthesiologist & 7th National Conference on Intensive Care**
- 2009 [Intermittent Femoral Nerve Block after Knee Arthroplasty for Assisting Physiotherapy.](#) In: **3rd ASEAPS 2009**
- 2009 [Intermittent femoral nerve block after knee arthroplasty for assisting physiotherapy.](#) In: **3rd Congress Association of Southeast Asian Pain Societies and Nueopathic Pain Special Interest Group**
- 2007 [Oral celecoxib and tramadol after 24 hours in patients undergoing major operation in kuantan: a randomized comparattve study.](#) In: **27th Annual Scientific Meeting of the Australian Pain Society**

Book

- 2017 [Effect of Tualang honey in acute kidney injury animal model.](#) Lap Lambert Academic Publishing . ISBN 9783330070318
- 2017 [The effect of chlorpyrifos on the aorta.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-731-6
- 2017 [Effect of tualang honey on non-alcoholic steatohepatitis rat model.](#) LAP Lambert Academic Publishing . ISBN 978-3-330-32112-0
- 2017 [Slc6a4 and Htr2a gene Polymorphisms in Malay-Malaysian Schizophrenia.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-724-8
- 2017 [Paraoxonase-1 activities and procalcitonin levels in sepsis and non-infectious systemic inflammatory response syndrome patients in a tertiary intensive care unit.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-735-4
- 2012 [Essential anesthesiology for healthcare professionals.](#) Department of Anaesthesiology and Intensive Care . ISBN 983-44569-0-0

Book Section