

# NIZA BINTI SAMSUDDIN



- KULLIYAH OF ALLIED HEALTH SCIENCES
- IIUM Kuantan Campus
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## KELAYAKAN AKADEMIK

- Doctor of Philosophy (Community Health)
- Master of Community Health (Environmental Health)
- Degrees of Bachelor of Medicine and Bachelor of Surgery

## TANGGUNGJAWAB MENGAJAR

BASIC ENVIRONMENTAL LAWS	2014/2015
COMMUNITY MEDICINE	2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2014/2015
DEVELOPMENTAL PSYCHOLOGY FOR HEALTH SCIENCE	2015/2016
ENTREPRENEURSHIP, HEALTH ECONOMICS & MANAGEMENT	2016/2017
EPIDEMIOLOGY	2014/2015 2017/2018 2018/2019
EPIDEMIOLOGY & RESEARCH METHODOLOGY	2014/2015 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
EPIDEMIOLOGY AND RESEARCH METHODOLOGY	2018/2019 2019/2020 2020/2021
FINAL YEAR RESEARCH PROJECT 1	2016/2017 2018/2019 2019/2020
FINAL YEAR RESEARCH PROJECT 2	2017/2018 2018/2019
HEALTH COMMUNICATION & BEHAVIOURAL SCIENCES	2014/2015 2015/2016 2016/2017 2017/2018
HEALTH COMMUNICATION AND BEHAVIORAL SCIENCES	2020/2021
HEALTH MANAGEMENT & ADMINISTRATION	2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
HEALTH RISK ASSESSMENT	2014/2015 2015/2016
HEALTHCARE MANAGEMENT AND ADMINISTRATION	2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
HOSPITAL SAFETY	2019/2020

INDUSTRIAL TOXICOLOGY	2014/2015
INTRODUCTION TO CLINICAL PRACTICE	2015/2016 2016/2017
INTRODUCTION TO HEALTH COMMUNICATION	2014/2015 2015/2016 2016/2017 2018/2019 2019/2020 2020/2021
INTRODUCTION TO PUBLIC HEALTH	2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014
MEDICAL CONDITION 2 : ENDOCRINE, RENAL AND O&G	2016/2017 2017/2018 2018/2019 2019/2020
MEDICAL CONDITIONS 1 : CARDIORESPIRATORY & CARDIOVASCULAR	2017/2018 2018/2019
OCCUPATIONAL HEALTH	2013/2014 2014/2015 2015/2016 2018/2019
OCCUPATIONAL SAFETY	2015/2016
OCCUPATIONAL SAFETY & HEALTH LEGISLATION MGMT	2014/2015
OCCUPATIONAL SAFETY AND HEALTH LEGISLATION AND MANAGEMENT	2014/2015
ORTHOPAEDIC & TRAUMATOLOGY	2017/2018 2018/2019 2019/2020
PROFESSIONAL ISSUES	2014/2015
QUALITY LABORATORY MANAGEMENT	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
RESEARCH METHODOLOGY	2013/2014 2014/2015 2016/2017
SPECIAL TOPICS IN BIOMEDICAL SCIENCE	2017/2018 2018/2019 2019/2020
SPECIAL TOPICS IN BIOMEDICAL SCIENCES	2019/2020
WASTE MANAGEMENT	2014/2015

## PROJEK PENYELIDIKAN

### In Progress

- 2020 - Present** Work-related Musculoskeletal Disorders (WRMSD) and Ergonomic Risk Factors Screening
- 2019 - Present** KAJIAN PEMBANGUNAN ALAT BANTU / GARIS PANDUAN UNTUK PENILAIAN RISIKO KESIHATAN PEKERJAAN BAGI DOKTOR KESIHATAN PEKERJAAN
- 2019 - Present** Profiling of Antibacterial Resistance Pathogens Isolated from the Lift Buttons of Two Hospitals in Malaysia

<b>2016 - Present</b>	KAJIAN PERANAN PERKHIDMATAN KESIHATAN PEKERJAAN DALAM SARINGAN AWAL BAGI PENGENALPASTIAN DAN PENCEGAHAN PENYAKIT PEKERJAAN DI INDUSTRI KECIL DAN SEDERHANA DI MALAYSIA
<b>2016 - Present</b>	Improvement of Basic Occupational Health Service (BOHS) for Small and Medium Enterprise (SME)in Malaysia
<b>2016 - Present</b>	Development of an Aviation-based Teamwork and Communication Training Programme to Improve Patient Safety in Malaysian Hospitals
<b>2015 - Present</b>	FPGA Prototyping of Electronic Hearing Protection Device (e-HPD) with selective Noise Attenuation for Industrial Workers
<b>2015 - Present</b>	Nypa Fruiticans: Regulation of Oxidative Markers and Metabolic Status in Reducing Blood Pressure and DNA Adducts among Workers Exposed to Pesticides
<b>2014 - Present</b>	Development of In-Vitro Oxidative Potential Assessment Model for Indoor and Outdoor Airborne Particulate Matter (PM) within an Industrial Area
<b>Unknown - Present</b>	Profiling of Antibacterial Resistance Pathogens Isolated from the Lift Buttons of Two Hospitals in Malaysia
<b>Completed</b>	
<b>2016 - 2020</b>	Improvement of Basic Occupational Health Service (BOHS) for Small and Medium Enterprise (SME)in Malaysia
<b>2015 - 2016</b>	(Disaster Relief and Preparedness) Community Experiences on Prevention, Preparedness and Recovery of the Flood Disaster in Cultural and Local Wisdom Context: Lesson Learnt from All Levels of a Household
<b>2015 - 2016</b>	(Disaster Relief and Preparedness) Community Experiences on Prevention, Preparedness and Recovery of the Flood Disaster in Cultural and Local Wisdom Context: Lesson Learnt from All Levels of a Household
<b>2015 - 2019</b>	FPGA Prototyping of Electronic Hearing Protection Device (e-HPD) with selective Noise Attenuation for Industrial Workers
<b>2014 - 2017</b>	Paraoxonase-1 (PON-1) and Hepatotoxicity: Bridging the Gap in the Mechanism of Atherosclerosis in Chronic Organic Arsenic Exposure
<b>2014 - 2018</b>	Development of In-Vitro Oxidative Potential Assessment Model for Indoor and Outdoor Airborne Particulate Matter (PM) within an Industrial Area
<b>2012 - 2015</b>	Numerical Model and Simulation of Thermal Characteristics in Hospitals and Its Impact to the Mould Growth, Concentration and Distribution
<b>2011 - 2011</b>	The impact of mandibular complete denture on muscles of mastication
<b>2011 - -1</b>	The impact of mandibular complete denture on muscles of mastication
<b>2011 - 2015</b>	Exploration on a New Ear Protective Device with Selective Noise Attenuation
<b>2011 - 2014</b>	RU 2011 - The Study of Paraoxonase 1 (PON1) Activity and Augmentation Index among General Population
<b>2011 - 2015</b>	RU 2011 -Pulse Wave Analysis: A Population Based Study.

- 2010 - 2010** Medical Surveillance bagi petugas-petugas Kilang Sawit Tersang di Klinik UIA
- 2010 - 2013** PON1 Activity Level, Oxidized-LDL and Pulse Wave Velocity Among Organophosphate Pesticides Exposed Male workers
- 2010 - 2013** Effects of Chronic organophosphate exposure on the Development of Atherosclerosis in Experimental Animals
- 2007 - 2011** HIV/AIDS knowledge, attitude and risk behaviours in a fisherman's community of East Coast, Malaysia

## PENERBITAN

### Article

- 2019** [Prevalence of Occupational Diseases among Small and Medium Industry Workers in Malaysia: A Systematic Review.](#) Journal of Clinical and Health Sciences , 4 (2) pp.4-30
- 2019** [Human resource development for future basic occupational health services in Malaysia.](#) International Journal of Allied Health Sciences , 3 (4) pp.939-943
- 2019** [Community experiences on prevention, preparedness and recovery of the flood disaster in cultural and local wisdom context.](#) International Journal of Care Scholars , 2 (1) pp.13-22
- 2019** [A review of challenges facing clinical water management in the Malaysian context.](#) International Journal of Recent Technology and Engineering , 8 (1C2) pp.308-313
- 2019** [The proposed future infrastructure model for basic occupational health services in Malaysia.](#) Malays J Med Sci , 26 (2) pp.131-137
- 2019** [Health effects of Hevea brasiliensis wood dust exposure among furniture factory workers.](#) Online Journal of Health and Allied Sciences , 18 (3) pp.1-5
- 2018** [Patient safety culture attitudes among different healthcare professionals in selected general and district hospitals: a preliminary study.](#) Human Factors and Ergonomics Journal , 3 (2) pp.30-34
- 2018** [A preliminary study for developing operator manual for ruminant abattoirs on prevention of foodborne diseases and halal compliance.](#) International Journal of Allied Health Sciences , 2 (3) pp.528-536
- 2018** [Association of particulate matter \(PM\) with respiratory symptoms among children in selected primary schools in Pahang.](#) Journal CleanWAS , 1 (2) pp.11-15
- 2018** [An assessment of the sharps management practices in health care establishments in Pahang, Malaysia: organisational factor.](#) Journal of International Pharmaceutical Research , 45 pp.257-269
- 2017** [Composition and source determination of heavy metals \(HM\) in particles in selected primary schools in Pahang.](#) ESTEEM Academic Journal , 13 (Special Issue) pp.176-184

- 2017** [CFD investigation of indoor hygrothermal and airflow profile in academic research storage room: effect of Ima on thermohygric balance and mould growth.](#) ARPN Journal of Engineering and Applied Sciences , 12 (10) pp.3080-3087
- 2017** [CFD investigation of indoor hygrothermal performance in academic research storage room: Measurement and validation.](#) ARPN Journal of Engineering and Applied Sciences , 12 (10) pp.3130-3136
- 2017** [Occupancy implications on indoor air quality \(IAQ\) in selected primary school classrooms around Kuantan, Pahang.](#) Malaysian Journal of Public Health Medicine , Special Volume 1 pp.95-105
- 2016** [Organic arsenical exposures stimulates atherosclerosis through oxidative stress increase and adhesion molecule expression.](#) Journal of Applied Pharmaceutical Science , 6 (11) pp.040-051
- 2016** [Correlation between peer assessment score and final examination mark among IIUM first year Medical students.](#) International Medical Journal Malaysia , 15 (2) pp.69-71
- 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
- 2015** [Atherosclerosis in chronic organic arsenic \(monosodium methylarsonate\) exposure.](#) The Malaysian Journal of Pathology , 37 (2) pp.188-188
- 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** [The correlation between serum leptin and blood pressure after exposure to noise at work.](#) Noise & Health , 15 (67) pp.375-378
- 2012** [Impact of a training intervention on use of antimicrobials in a teaching hospital - experiences from Malaysia .](#) Australian Journal of Basic and Applied Sciences , 6 (9) pp.141-147
- 2011** [Pesticides management and chemical handling practices among female workers in several estates in Peninsular Malaysia.](#) Malaysian Journal of Public Health Medicine , 1 (11sup2) pp.43-44
- 2011** [Social and HIV/AIDS risk behaviours in a fishing community.](#) International Journal of Humanities and Social Science , 1 (21) pp.251-257
- 2011** [Social problems and HIV/AIDS risk behaviours in a fishing community .](#) International Journal of Humanities and Social Science , 1 (21) pp.251-257
- 2011** [Cardiovascular haemodynamic parameters among male organophosphates pesticides exposed workers.](#) Malaysian Journal of Health Sciences , 7 (3(sup)) pp.26-26
- 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
- 2010 [Knowledge and attitude on HIV/AIDS in a fishing community.](#) International Medical Journal , 17 (2) pp.95-101
- 2009 [Functional disabilities and its associated factors among elderly patients in primary care clinics.](#) International Medical Journal Malaysia , 16 (4) pp.251-256
- 2008 [A focus group discussion on HIV/AIDS risk behaviour in a fishermen's community of East Coast Malaysia.](#) Journal of Community Health , Supp.1 pp.63
- 2007 [Carbon monoxide exposure assessment among toll operators in Klang Valley, Kuala Lumpur, Malaysia.](#) International Journal of Environmental Health Research , 17 (2) pp.95-103
- 2001 [Kajian tabiat merokok di kalangan pelajar sekolah menengah daerah Pekan.](#) Buletin Kesihatan Masyarakat (isu kh) pp.219-229

#### **Conference or Workshop Item**

- 2017 [Electron microscopic changes of the liver following exposure to organic arsenic.](#) **In: 2nd International Anatomical and Biomedical Scientific Conference 2017 (IABS)**
- 2017 [Examining neurobehavioral effects of pesticide exposure in workers involved in mosquito control in Malaysia: A Preliminary study.](#) **In: International Conference on Environmental and Occupational Health**
- 2016 [Moisture condensation on building envelopes in differential ventilated spaces in the tropics: quantitative assessment of influencing factors.](#) **In: The 4th International Building Control Conference 2016 (IBCC 2016)**
- 2016 [Experimental investigation of ventilation efficiency in a dentistry surgical room.](#) **In: The 4th International Building Control Conference 2016 (IBCC 2016)**
- 2015 [CFD investigation of indoor hygrothermal performance in academic research storage room: measurement and validation.](#) **In: International Conference on Computational Fluid Dynamics in Research and Industry 2015**
- 2015 [Ventilation performance assessment of an educational building in a hot and humid climate.](#) **In: International Civil and Infrastructure Engineering Conference 2014**
- 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 [Estimating lifetime pesticide exposure and neurobehavioral performance among mosquito control workers in Malaysia.](#) **In: International Society of Exposure science 25th Annual Meeting**
- 2014 [Influence of indoor microclimate distribution on mould infestation in a university library.](#) **In: International Civil and Infrastructure Engineering Conference (InCIEC2014)**

- 2013 [Scanning electron microscopic \(SEM\) study of rats aorta exposed to chlorpyrifos \(CPF\).](#) In: **22nd Scientific Conference of the Microscopy Society Malaysia**
- 2013 [The relationship of peer assessment and final examination in medicine.](#) In: **IIUM Research, Invention and Innovation Exhibition 2013**
- 2013 [Study of oxidized low density lipoprotein and augmentation index among population.](#) In: **27th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP2013)**
- 2012 [Association between bronchial asthma and pet ownership among children in Kuantan, Malaysia.](#) In: **International Conference on One Health and 24th VAM Congress 2012**
- 2012 [Faecal contamination of tap and filtered water in Kuantan, Malaysia.](#) In: **International Conference on One Health and 24th VAM Congress 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 [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 [The association of arterial stiffness measured by augmentation index with dyslipidaemia among adults in Kampung Alor Baru, Kuantan.](#) In: **5th FIMA Conference 2012**
- 2012 [Prevalence of arterial stiffness and dyslipidemia.](#) In: **FIMA 2012 Conference**
- 2011 [Cardiovascular haemodynamic parameters among male organophosphates pesticides exposed workers.](#) In: **3rd Asia Pacific Conference on Public Health**
- 2011 [Chronic Organophosphate Pesticide Exposure and Coronary Artery disease : finding a bridge.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2011 [Health effects of rubber wood dust exposure among workers in a furniture factory.](#) In: **Scientific Conference on Occupational Safety & Health (SCI-COSH)**
- 2010 [Academician's knowledge and perception towards "One Best Answer \(OBA\)- Type" multiple choice questions implementation in IIUM, Medical Faculty Curriculum.](#) In: **7th Asia Pacific Medical Education Conference (APMEC)**
- 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**
- 2009 [Focus group discussion on HIV/AIDS risk behaviors in a fishermen's community of east coast, Malaysia .](#) In: **12th World Congress on Public Health**

- 2009 [The prevalence of depression among elderly patients attending primary care clinics in Kuantan, Pahang, Malaysia.](#) In: **12th World Congress on Public Health**
- 2008 [Role of Alumni in propagating environmental preservation and health impact issues.](#) In: **The Alumni International Conference (AIC 08); Community Development: Challenges and Solution**
- 2008 [Screening of occupational lung disease in Malaysia.](#) In: **10th Malaysia Thoracic Society Congress 2008**

**Book  
Book Section**