

# SUZANAH BINTI ABDUL RAHMAN



- KULLIYAH OF ALLIED HEALTH SCIENCES
- IIUM Kuantan Campus
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## ACADEMIC QUALIFICATION

- Ph.D in Biomedical Sciences
- Bachelor in Biomedical Sciences
- A-Level

## TEACHING RESPONSIBILITIES

ADVANCED PHARMACOLOGY	2017/2018 2020/2021
BIOMEDICAL ETHICS FROM ISLAMIC PERSPECTIVE	2013/2014
DRUG ABUSE	2012/2013 2013/2014 2014/2015
DRUG DELIVERY SYSTEM	2014/2015
ENVIRONMENTAL HEALTH	2008/2009 2009/2010 2010/2011 2011/2012
EPIDEMIOLOGY & RESEARCH METHODOLOGY	2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
EPIDEMIOLOGY AND RESEARCH METHODOLOGY	2018/2019 2019/2020 2020/2021
ETHICS & LAW FOR HEALTH PROFESSIONALS	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
ETHICS AND LAW FOR HEALTH PROFESSIONALS	2020/2021
FAMILY MANAGEMENT AND PARENTING	2010/2011
FINAL YEAR RESEARCH PROJECT 1	2016/2017 2018/2019 2019/2020
FINAL YEAR RESEARCH PROJECT 2	2017/2018 2018/2019
FOOD TOXICOLOGY AND ASSESSMENT	2007/2008 2008/2009 2009/2010 2010/2011 2012/2013 2014/2015
GENERAL PHARMACOLOGY	2006/2007 2007/2008 2008/2009
HEALTH RISK ASSESSMENT	2011/2012 2012/2013 2013/2014 2014/2015
HERBAL MEDICINE	2013/2014 2014/2015
HUMAN STRUCTURE & FUNCTION 2	2011/2012

INDUSTRIAL PHARMACY	2014/2015
INTRODUCTION TO BIOMEDICAL LABORATORY SCIENCES	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017
LEADERSHIP AND MANAGEMENT	2010/2011
NATURAL PRODUCT & HERBAL MEDICINE	2019/2020 2020/2021
OCULAR PHARMACOLOGY	2006/2007 2007/2008 2009/2010 2010/2011 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
OCULAR PHYSIOLOGY	2007/2008 2009/2010 2012/2013 2013/2014
PATHOLOGY & PHARMACOLOGY	2009/2010 2010/2011 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
PHARMACOLOGY	2017/2018 2018/2019 2019/2020 2020/2021
PHYSIOLOGY 1	2017/2018 2018/2019
RESEARCH METHODOLOGY	2007/2008 2008/2009 2009/2010 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
SPECIAL TOPICS IN BIOMEDICAL SCIENCES	2019/2020
TOXICOLOGY	2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020

## RESEARCH PROJECTS

### In Progress

- 2018 - Present** Systemic Approach on the Book of Life: Methods, Theories and Implications
- 2013 - Present** NEW NAME: RESEARCH CLUSTER OF MOLECULAR AND CELLULAR BIOLOGY OF IIUM (i-MoleC) Human Molecular And Cellular Biology (HMCB)
- 2013 - Present** MOLECULAR AND CELLULAR BIOLOGY OF IIUM Research Unit (i-MOLEC)
- 2012 - Present** Orthopaedics, Musculoskeletal and Bioethical Research Unit

### Completed

- 2014 - 2017** Effects of Eurycoma Longifolia Standardized Extract on Female Reproductive Disposition and Perturbation Pathways
- 2013 - 2017** Salvaging the Embryo From Effects of Toxic Paternal Exposure

- 2013 - 2017** Isolation, Quantification and Formulation of Bioactive Peptides (Adipokines) for Diabetes and Obesity From Adipose Tissues In Halal Meat
- 2012 - -1** Predictive Value of DNA Sperm Integrity Tests on Male Fertility
- 2012 - 2013** Predictive Value of DNA Sperm Integrity Tests on Male Fertility
- 2011 - 2015** Exploring the Potential of Biosynthetic Cartilage Composite Utilizing Poly (Lactic-Co-Glycolic Acid) and Fibrin Glue as Cells Carrier for Joint Resurfacing
- 2011 - 2012** Use of Monolayer Cultured Rabbit Corneal Keratocytes for Screening the Safety of Eye Toner Solutions in Vitro: A Preliminary Analysis.
- 2011 - 2014** RU 2011 -The role of thymoquinone in mediating male fertility effects of cyclophosphamide on embryo development.
- 2010 - 2013** Cyclophosphamide Exposure and the Protective Effects of Nigella Sativa on the Reproductive Capacity of Mice
- 2008 - 2011** Psychosocial Problems of Patients with Thalassaemia and Their Families: A Quantitative Study

## PUBLICATIONS

### Article

- 2019** [Trimmed off adipocytes: a source of newly secreted adipokines.](#) Progress in Nutrition , 21 (Supplement 1) pp.80-85
- 2019** [Evaluation of acute and sub-acute oral toxicity of the aqueous extract of aquilaria malaccensis leaves in sprague dawley rats.](#) Asia-Pacific Journal of Molecular Biology and Biotechnology , 27 (1) pp.20-32
- 2018** [Fish scales as a bioindicator of potential marine pollutants and carcinogens in Asian sea bass and red tilapia within the coastal waters of Pahang, Malaysia.](#) Journal of Coastal Research , Special Issue 82 Fall pp.120-125
- 2018** [Effects of eurycoma longifolia standardized extract on estradiol valerate-induced teratogenicity in female rats.](#) International Journal of Pure and Applied Mathematics , 118 (Special Issue) (24a) pp.1-23
- 2018** [Islamic perspectives of reproductive and maternal health: what role can Nigerian Muslim religious leaders play in the prevention of maternal mortality? -With Particular Reference to Zamfara State NorthWest Nigeria.](#) International Medical Journal Malaysia , 17 (Special issue 1) pp.7-14
- 2018** [Quantitative paper-based detection of male fertility biomarkers.](#) International Journal of Research in Pharmaceutical Sciences , 9 (Special Issue 2) pp.17-26
- 2017** [Investigating the potential of Nigella sativa and thymoquinone in salvaging the embryo from effects of toxic paternal exposure to cyclophosphamide.](#) International Medical Journal Malaysia , 16 (1) pp.99-106

- 2017** [The potential of standardized quassinoid-rich extract of Eurycoma longifolia in the regulation of the oestrous cycle of rats.](#) Asian Pacific Journal of Tropical Biomedicine , 7 (1) pp.27-31
- 2017** [Prophylactic effects of Nigella sativa extract and thymoquinone against cyclophosphamide-induced sperm head abnormalities and chromatin instability in mice.](#) Bulletin of Environment, Pharmacology and Life Sciences , 6 (10) pp.5-16
- 2017** [Philosophy of modern bioengineering.](#) IIUM Engineering Journal , 18 (2) pp.16-33
- 2017** [Awareness of vesicovaginal fistula among health workers in some health facilities of Zamfara state, Northwest Nigeria.](#) PhOL - PharmacologyOnLine , 1 pp.89-97
- 2017** [Investigating the potential of Nigella Sativa and thymoquinone in salvaging the embryo from effects of toxic paternal exposure to cyclophosphamide.](#) The International Medical Journal of Malaysia , 16 (1) pp.99-106
- 2016** [Health care seeking behavior of pregnant women in Gusau Metropolis of Zamfara State, Northern Nigeria.](#) International Journal of Science for Global Sustainability ( IJSGS) , 2 (1) pp.75-85
- 2016** [Possible mechanisms of antinociception of methanol extract of Melastoma malabathricum leaves.](#) Brazilian Journal of Pharmacognosy , 26 (5) pp.586-594
- 2016** [The Islamic religious leaders as health promoters: improving maternal health in selected communities of Zamfara State, Nigeria.](#) Journal of Reproduction and Fertility , 7 (1) pp.8-14
- 2016** [Misconceptions about disease among parents of thalassaemic patients: A qualitative study.](#) International Medical Journal Malaysia , 15 (Supplement Issue) pp.96-96
- 2016** [Antinociception of petroleum ether fraction derived from crude methanol extract of Melastoma malabathricum leaves and its possible mechanisms of action in animal models.](#) BMC Complementary and Alternative Medicine , 16 (1) pp.488-1
- 2016** [The philosophical foundations of modern bioengineering.](#) IIUM Engineering Journal
- 2015** [Evaluation of three dimensional construct engineered from poly\(Lactic-co-glycolic acid\)/fibrin hybrid scaffold using rabbit bone marrow mesenchymal stem cells for osteochondral defect repair.](#) Jurnal Teknologi , 77 (25) pp.77-82
- 2015** [The health MDGs in Zamfara state with emphasis on maternal mortality 2010-2015: perspectives and challenges.](#) Journal of Development Administration , 2 (1) pp.145-157
- 2015** [The potential of 3-dimensional construct engineered from poly\(lactic-co-glycolic acid\)/fibrin hybrid scaffold seeded with bonemarrow mesenchymal stem cells for in vitro cartilage tissue engineering.](#) Tissue and Cell , 47 (4) pp.420-430
- 2015** [The potential of 3-dimensional construct engineered from poly\(lactic-co-glycolic acid\)/fibrin hybrid scaffold seeded with bone marrow mesenchymal stem cells for in vitro cartilage tissue engineering.](#) Tissue and Cell , 47 (4) pp.420-430
- 2015** [Preliminary study on the effect of commercially available eye toners on rabbit corneal keratocytes proliferation and migration.](#) Regenerative Research , 4 (1) pp.13-22

- 2015** [Intervention programmes and policies for maternal mortality reduction in Zamfara State, Northwest, Nigeria: a review 2005-2015.](#) International Journal of Advanced Research in Social Engineering and Development Strategies , 3 (1) pp.157-173
- 2015** [Maternal mortality and the implementation of maternal health policies in Zamfara state: challenges and issues.](#) International Journal of Advanced Research in Social Engineering and Development Strategies , 3 (1) pp.107-117
- 2014** [Impact of thymoquinone supplementation on immobilisation stress-induced changes in reproductive characteristics of male mice.](#) Journal of Applied and Natural Science , 6 (1) pp.1-5
- 2014** [Effects of thymoquinone supplementation on cyclophosphamide toxicity of mouse embryo in vitro.](#) Global Veterinaria , 12 (1) pp.80-90
- 2014** [Evaluation of bone marrow mesenchymal stem cells growth in vitro for cartilage tissue engineering.](#) Regenerative Research , 3 (2) pp.118-119
- 2014** [Cell proliferation assay and sulphated glycosaminoglycan production in poly\(lactic-co-glycolic acid\)-based scaffolds seeded with bone marrow mesenchymal stem cells for cartilage tissue engineering.](#) Regenerative Research , 3 (2) pp.163-164
- 2014** [The prophylactic effect of Nigella sativa against Cyclophosphamide in the ovarian follicles of matured adult mice: A preliminary study.](#) The Journal of Animal and Plant Sciences , 24 (1) pp.81-88
- 2013** [Torbangun \(Coleus amboinicus Lour\) extracts affect microbial and fungus activities.](#) Journal of Nutritional Therapeutics , 2 (4) pp.194-200
- 2013** [Determinants of food choice among adults in an urban community: a highlight on risk perception.](#) Nutrition and Food Science , 43 (5) pp.413-421
- 2013** [Effects on mouse spermatogenesis and DNA fragmentation following exposure to cyclophosphamide and thymoquinone.](#) European International Journal of Science and Technology , 2 (7) pp.119-136
- 2013** [Protective effect of black seed nigella sativa \(L.\) Against cyclophosphamide-induced toxicity on reproductive and acrosomal function in mice.](#) Middle-East Journal of Scientific Research , 17 (7) pp.955-964
- 2013** [The potential role of Red Tilapia \(Oreochromis niloticus\) scales: allergic reaction test in mice.](#) Journal of Applied Pharmaceutical Science , 3 (10) pp.45-50
- 2013** [Anti-bacterial and anti-fungal activity of coleus leaves consumed as breast-milk stimulant.](#) Nutrition and Food Science , 43 (6) pp.582-590
- 2011** [Thalassaemia : a study on the perception of patients and family members.](#) Medical Journal of Malaysia , 66 (4) pp.326-334
- 2011** [Thalassaemia: A study on the perception of patients and family members.](#) Medical Journal of Malaysia , 66 (4) pp.326-334
- 2008** [The impact of the teaching of ethics in a medical and allied health sciences curriculum in International Islamic University Malaysia.](#) International Medical Journal Malaysia , 7 (1)

2000 [Role of O6-alkylguanine-DNA alkyltransferase in the resistance of mouse spermatogenic cells to O6-alkylating agents.](#) Journal of Reproduction and Fertility , 119 pp.339-346

1996 [Potentiation of testicular cytotoxicity by the alkyltransferase inhibitor O6 benzylguanine and the 5-fluorouracil/N-\(2-chloroethyl\)-N-nitrosourea molecular combination, B.4152.](#) Reproductive Toxicology , 10 (1) pp.71-77

#### Conference or Workshop Item

2019 [Fit for birth : the do's and the dont's.](#) In: **WowMom Workshop 2019**

2017 [Structure and function of the zona pellucida: current state of knowledge.](#) In: **The Annual Conference of the Malaysian Association of Clinical Embryologists (MACE) 2017**

2017 [Effects of Eurycoma longifolia standardized extract on Estradiol valerate-induced teratogenicity in female rats.](#) In: **ASIA International Multidisciplinary Conference (AIMC 2017)**

2017 [Cytotoxicity of eurycoma longifolia root extract on female adenocarcinoma cell lines.](#) In: **3rd International Conference on Advances in Medical Science (ICAMS 2017)**

2016 [The philosophical foundations of modern bioengineering.](#) In: **4th International Conference on Biotechnology Engineering (ICBioE '16)**

2016 [The potential of Nigella Sativa and thymoquinone in salvaging the embryo from effects of toxic paternal exposure.](#) In: **ICT/BIO ASIA 2016 Regional Workshop Programme**

2016 [Natural products, A.R.T. & infertility.](#) In: **20 16 2nd International Symposium on Health and Medical Sciences (ISHAMS 2016)**

2016 [Potential effects of Nigella sativa and thymoquinone on the foetal development of cyclophosphamide-treated male mice.](#) In: **International Conference on Biosciences & Medical Engineering (ICBME2016)**

2016 [Effects of Eurycoma longifolia on the reproductive cycle of female rats.](#) In: **3rd Pan-Asian Biomedical Science Conference 2016 Kuala Lumpur**

2016 [Effects of eurycoma longifolia \(TAF 273\) on oestrous cycle and reproductive hormones of normal rats during 14-days treatment.](#) In: **KAHS Research Week (KRW) 2016 in conjunction with 1st Allied Health Scientific Colloquium (AHSC) 2016**

2016 [Optimization of signalling biomarkers in detecting male infertility.](#) In: **KAHS Research Week (KRW) 2016 in conjunction with 1st Allied Health Scientific Colloquium (AHSC) 2016**

2016 [Anticancer effects of eurycoma longifolia, Nigella sativa and hibiscus sabdariffa on ovarian cancer cells.](#) In: **KAHS Research Week (KRW) 2016 in conjunction with 1st Allied Health Scientific Colloquium (AHSC) 2016**

2016 [The potential of nigella sativa and thymoquinone in salvaging the embryo from effects of toxic paternal exposure.](#) In: **KAHS Research Week (KRW) 2016 in conjunction with 1st Allied Health Scientific Colloquium (AHSC) 2016**

- 2016 [Bioartificial Articular Cartilage Substitute \(BACS\): today's innovation for active tomorrows.](#) In: **IRIIE 2016 Commercial Potential Award**
- 2015 [Activation of mouse oocytes and in vitro embryo enhancing potential of Nigella Sativa.](#) In: **The 2nd International Conference on Advances in Medical Science (ICAMS)**
- 2015 [Short-term effects of TAF 273 on oestrous cycle and reproductive hormones of normal rats.](#) In: **5th International Conference on Advancement in Science and Technology (iCAST 2015)**
- 2015 [The chemopreventive effects of Nigella sativa extract and Thymoquinone in a paternal toxicity study.](#) In: **International Conference on Advancement in Science and Technology (iCAST 2015) - 'Frontiers in Biotechnology'**
- 2015 [Evaluation of three-dimensional construct engineered from poly\(lactic-co-glycolic acid\)/fibrin hybrid scaffold seeded with rabbit bone marrow Mesenchymal stem cells for osteochondral defect repair.](#) In: **International Conference on Advancement in Science and Technology (iCAST 2015) - 'Frontiers in Biotechnology'**
- 2014 [The effect of Nigella sativa extract on mouse oocyte activation.](#) In: **International Health Conference IIUM (IHCI 2014)**
- 2014 [The use of poly\(lactic-co-glycolic acid\) and fibrin scaffolds for articular cartilage tissue engineering.](#) In: **International Health Conference IIUM (IHCI) 2014**
- 2012 [Coleus Amboinicus exhibits anti-microbial and anti-fungus activities and having no toxicity at highest doses assessed in mice.](#) In: **Malaysian Sciences and Technology Congress 2012**
- 2011 [Thalassaemia management: patients' and family members' perspectives.](#) In: **9th Malaysian National Haematology Scientific Meeting**
- 2011 [Bioethics in tissue engineering : an Islamic perspective.](#) In: **International Health Conference IIUM 2011**
- 2011 [Thalassaemia: a study on the perception of patients and family members.](#) In: **12th International Conference on Thalassaemia and the Haemoglobinopathies 14th TIF International Conference for Patients and Parents**
- 2011 [Bioethics in tissue engineering: an Islamic perspective.](#) In: **International Conference of Allied Health Sciences 2011**

#### **Book**

#### **Book Section**

- 2019 [The Kulliyah of Allied Health Science : pioneering quality health and well-being.](#) In: **The International Islamic University Malaysia: the garden of knowledge and virtue** IIUM Press . ISBN 9789674910358 , pp.393-404
- 2019 [The Kulliyah of Allied Health Science : pioneering quality health and well-being.](#) In: **The International Islamic University Malaysia: the garden of knowledge and virtue** IIUM Press . ISBN 9789674910358 , pp.393-404

2017 [Knowledge, attitude and perception of Islamic religious leaders on maternal health issues in Zamfara state, Northwest, Nigeria: a qualitative study.](#) In: **Understanding Africa: the stories of culture and change** Partridge Publishing Singapore . ISBN 978-1-4828-8192-9 , pp.1-13