

# M. TAHER BIN BAKHTIAR



- KULLIYAH OF PHARMACY
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## المؤهل العلمي

- Ph.D in Bioprocess
- Master in Organic Chemistry
- Bachelor in Pharmacist

## مسؤوليات التدريس

ADVANCED DRUG DELIVERY SYSTEM	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
BIOPHARMACEUTICALS	2010/2011 2011/2012 2014/2015
Biopharmaceutic Biotechnology	2006/2007
Biotechnology and Biopharmaceuticals	2007/2008 2008/2009 2009/2010
Body System V : Gastro-intestinal & Hepato	2008/2009
DOSAGE DESIGN I	2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
DOSAGE DESIGN II	2012/2013
DRUG DELIVERY SYSTEMS	2009/2010 2011/2012 2012/2013 2013/2014
Drug Delivery System	2010/2011 2011/2012 2012/2013
MEDICINAL CHEMISTRY I	2015/2016
NATURAL PRODUCT & HERBAL MEDICINE	2019/2020 2020/2021
NATURAL PRODUCT CHEMISTRY	2014/2015
NUTRACEUTICAL	2016/2017 2017/2018 2018/2019 2019/2020
Nutriceuticals & Cosmeticeuticals	2011/2012 2012/2013 2013/2014 2014/2015 2015/2016
PHARMACEUTICAL BIOTECHNOLOGY & BIOPHARMACEUTICAL	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
PHARMACEUTICAL QUALITY ASSURANCE	2009/2010
PHARMACEUTICAL SCIENCE	2019/2020

PHARMACEUTICS I : PHYSICOCHEMICAL PRINCIPLES	2019/2020
PHARMACEUTICS II : DISPERSE SYSTEMS	2020/2021
Pharmaceutical Biotechnology	2006/2007 2007/2008 2008/2009 2009/2010 2010/2011
Physical Pharmacy I	2007/2008
RESEARCH METHODOLOGY	2011/2012
RESEARCH PROJECT 1	2015/2016 2016/2017 2017/2018 2018/2019
RESEARCH PROJECT 2	2016/2017 2018/2019 2019/2020
RESEARCH PROJECT-LITERATURE SEARCH	2012/2013 2015/2016 2016/2017 2019/2020
STERILIZATION AND ASEPTIC TECHNOLOGY	2017/2018 2018/2019 2019/2020
TOXICOLOGY AND DRUG INTERACTIONS	2015/2016
VACCINES	2014/2015

## المشاريع البحثية

### In Progress

- 2019 - Present** - Development and characterization of nanofibers patch containing nicotine using electrospinning: a novel approach as nicotine replacement therapy.
- 2019 - Present** - PRODUCTION OF HYDROGEL SHEET CONTAINING CENTELLA ASIATICA (PEGAGA) FOR WOUND DRESSING APPLICATION
- 2019 - Present** - Determination and characterisation of vitamin B12 from edible green seaweed, *Ulva lactuca*
- 2019 - Present** - Antimicrobial, immunological and tooth remineralisation effect of Deer velvet antler of *Cervus timorensis*.
- 2019 - Present** - Identification of alpha-glucosidase inhibitors from *Psychotria malayana* Jack leaf using multi-platform metabolomics approach and protein-ligand interaction with molecular docking in treating diabetes mellitus
- 2019 - Present** - Mentoring Alfaisal University SPIRIT Program Students
- 2018 - Present** - EFFECTS OF CO-SOLVENT, TEMPERATURE, PRESSURE ON ASIATICOSIDE CONTENT IN CENTELLA ASIATICA USING SUPERCRITICAL FLUID EXTRACTION
- 2018 - Present** - Mechanisms of action of phenolic compounds from *Anacardium occidentale* in stimulating glucose uptake via regulation of GLUT 4 and its related microRNAs in 3T3-L1 Adipocyte Cells

- 2018 - Present** Microbial Biotransformation of Sesquiterpenoid and Diarylheptanoid from *Curcuma* sp. By Actinomycetes strains towards Anti-Inflammatory and Anti-Cancer Activities
- 2017 - Present** Exploring anti-obesity and anti-diabetic potential of the Indonesian Jamu Components in Vitro
- 2017 - Present** Investigation the Effect of Scented Flower Enfleurage Using Different Lipophilic Carriers on Yield and Phytochemical Constituents of the Produced Essential Oils
- 2016 - Present** Evaluation of lipid lowering therapy use among patients with type 2 diabetes mellitus in Pahang
- 2016 - Present** Optimizing of asiaticoside purification from *Centella asiatica* extract and development of asiaticoside gel formulation for topical application
- 2016 - Present** Multivariate Calibration of Antioxidant Activity of *Momordica charantia* Fruit and its Fourier Transform Infrared Spectroscopy Based Fingerprinting
- 2015 - Present** Mechanism of (-) Hydroxycitric Acid from Dried Fruit of *Garcinia atrovirens* on 3T3-L1 Adipocyte Cells as an Halal Antiobesity Product
- 2015 - Present** Insulin potentiating activity of *Coscinium fenestratum* (Mengkungyit) in pancreatic beta cells
- 2015 - Present** Tumor suppressor p73<sup>?</sup>-loaded PLGA/chitosan/*Nigella sativa* nanoparticles: A novel non-viral gene delivery system for oral squamous cell carcinoma therapy
- 2008 - Present** Non-Communicable Diseases Research Unit (NCDRU)

### **Completed**

- 2018 - 2019** Pegaga in Hydrogel for Skin Health
- 2018 - -1** Mentoring Six Spirit Scholarship Students for Their Summer Research Training Program at Faculty of Pharmacy
- 2016 - 2018** Investigation of bioactive compounds from *Luvunga scandens* and its cytotoxicity against breast cancer cell
- 2016 - 2017** Evaluation of lipid lowering therapy use among patients with type 2 diabetes mellitus in Pahang
- 2016 - 2017** Multivariate Calibration of Antioxidant Activity of *Momordica charantia* Fruit and its Fourier Transform Infrared Spectroscopy Based Fingerprinting
- 2015 - 2019** Insulin potentiating activity of *Coscinium fenestratum* (Mengkungyit) in pancreatic beta cells
- 2015 - 2017** Mechanism of (-) Hydroxycitric Acid from Dried Fruit of *Garcinia atrovirens* on 3T3-L1 Adipocyte Cells as an Halal Antiobesity Product
- 2015 - 2019** Tumor suppressor p73<sup>?</sup>-loaded PLGA/chitosan/*Nigella sativa* nanoparticles: A novel non-viral gene delivery system for oral squamous cell carcinoma therapy

- 2015 - 2019** The Effects of the Antioxidant Active Fractions of Ficus Deltoidea on Fatty Acid Induced-Insulin Resistance Cells Model as a Potential Therapeutic Agent for Types 2 Diabetes Mellitus
- 2015 - 2019** Analysis of nicotine various Malaysian electronic cigarette refilled liquids by gas chromatography Mass spectrometry
- 2014 - 2016** Determination of in Vivo and in Vitro Antidiabetic Activity of Wogonin
- 2013 - 2019** Fabrication and Evaluation of a Halal Medicated Hydrogel Film from Standardized Centella Asiatica for Wound Healing
- 2013 - 2017** Isolation, Quantification and Formulation of Bioactive Peptides (Adipokines) for Diabetes and Obesity From Adipose Tissues In Halal Meat
- 2013 - 2019** Fabrication and Evaluation of a Halal Medicated Hydrogel Film from Standardized Centella Asiatica for Wound Healing
- 2013 - 2016** Comprehensive Evaluation of Anti-Diabetic Activity of Momordica Charantia Fruits On Streptozocin Induced Diabetic Rats Using NMR Metabolomics Approach
- 2013 - 2017** Development of Nanofibrous Wound Dressing Membrane via Electrospinning
- 2013 - 2016** Resiquimod Microsponge Formulation As A Potent Delivery System To Treat Skin Cancer And Viral Skin Lesions
- 2013 - 2018** Nano-Transfersomes as a Novel Elastic Transdermal Carrier to Address Poor Bioavailability Issue of Raloxifene Hydrochloride
- 2013 - 2016** Physico-Chemical and Biocompatibility Studies of Gentamicin Loaded Polycaprolactone - Collagen Based Protein Nanofiber
- 2013 - 2018** Antidiabetic Characterization and Mechanism of Action of Wogonin in Rats
- 2013 - 2018** Synthesis, Mechanistic And Biological Evaluation Of Novel Bis-Sydnone Styrylketones As Antiproliferative And Antioxidant Agents
- 2012 - 2015** Study on Microencapsulation and Delivery of Fucoxanthin Derived from Malaysian Brown Seaweeds for Human Lung Cancer Treatment
- 2012 - 2013** Study on Effects of Plant Extracts on Glucose Uptake in Cultured Adipocyte
- 2012 - 2014** Toxicological Studies Of Wogonin In Diabetes Induced Experimental Animals
- 2012 - 2014** Cellular and Molecular Response of Adipocyte Cells Treated with Mangostins for Glucose Lowering Activity Purpose
- 2012 - 2013** Effects of Pluchea Indica on Glucose Uptake and Glucose Transportation (Glut 4) Gene Expression of Adipocyte Cells
- 2012 - 2015** Design, Synthesis, Characterisation and Cytotoxicity Study of New Chiral Calixarene Derivatives
- 2012 - -1** Study on Effects of Plant Extracts on Glucose Uptake in Cultured Adipocyte
- 2012 - -1** Effects of Pluchea Indica on Glucose Uptake and Glucose Transportation (Glut 4) Gene Expression of Adipocyte Cells

- 2012 - 2012** Study of Antidiabetic Activity of Cinnamomum Burmannii, Andrographis Paniculata and Tinospora Crispa Extracts in Streptozotocin Induced Rats.
- 2012 - 2014** Cellular and Molecular Response of Adipocyte Cells Treated with Mangostins for Glucose Lowering Activity Purpose
- 2011 - 2015** Determination of the in vitro Percutaneous Absorption of Topical Corticosteroids in Palm Olein Based Emulsions and the Mechanisms of Diffusion
- 2011 - 2013** Study on anticancer activities of b-mangostin extracted from Garcinia malaccensis against human head neck squamous cell carcinoma (HNSCC) cells
- 2011 - 2012** KVC Book Project 2011 - Chapter in book : Natural Product Research, Basic Techniques and Application
- 2011 - 2013** Antioxidant, antimicrobial and insecticidal Activity of selected Malaysian Plants
- 2011 - 2014** Proof-of-concepts study of injectable non-viral gene delivery system of DNA-loaded N.Sativa/Chitosan/PLGA nanoparticle to neuro cell lines (Neurobionanoparticles-CR)
- 2011 - 2012** Cell-based Antidiabetic Activity of Mangostins and Cycloartane Triterpenoid on Adipocytes Cell
- 2011 - 2012** Isolation of Antimicrobial Agent from Clusiaceae Plant
- 2011 - 2013** Previous title : (RU2011) Isolation, characterization and cytotoxic activity of alkaloids from Aidia densiflora (Rubiaceae) Title change to : Antinociceptive Effects of Alkaloid Extract from Aidia Densiflora in Mice.
- 2011 - -1** Previous title : (RU2011) Isolation, characterization and cytotoxic activity of alkaloids from Aidia densiflora (Rubiaceae) Title change to : Antinociceptive Effects of Alkaloid Extract from Aidia Densiflora in Mice.
- 2010 - 2012** Isolation and Purification of Cytotoxic Compounds from Malaysian Sea Cucumber, Stichopus chloronotus, into Isolation and Purification of Anticancer Compounds from Malaysian Sea Cucumber, Stichopus Chloronotus
- 2010 - 2012** Microencapsulation of Cassia alata Extract for Topical Application.
- 2010 - 2013** Evaluation of wound healing properties of acrostichum using in vivo and in vitro techniques
- 2010 - 2011** Isolation and anticancer Evaluation of Mangostin from Garcinia Malaccensis
- 2010 - 2012** Development of palm olein-inwater emulsion containing plant extracts as insecticides Development of palm olein-inwater emulsion containing plant extracts as insecticides
- 2009 - 2012** Study on Antineoplastic Activity of Thymoquinone,an Active Ingredient of Black Seed (Nigella Sativa) against Cervical Cancer Cells
- 2009 - 2013** Study of Phytochemistry and Anticancer Activity of Three Malaysian Calophyllum
- 2009 - -1** Study of the Antidiabetic Properties of selected Malaysian Herbs and Spices Extracts in Cultured 3t3-L1 Cells

- 2009 - 2010** Cloning of Mutant Breast Cancer Gene
- 2009 - 2011** Study on Antineoplastic Activity of Thymoquinone, an Active Ingredient of Black seed(Nigella Sativa)against Oral
- 2009 - 2012** Antibacterial activity and cytotoxicity of new modified class Ionomer dental cement
- 2008 - 2010** Isolation and Cytotoxic Activity Study of Phytochemicals from Calophyllum canum
- 2008 - 2010** Isolation of Antimicrobial Active Compounds from Calophyllum Canum Hk.f
- 2008 - 2010** Cloning of BRCA Mutant Gene as DNA Vaccines for Breast Cancer Therapy.
- 2008 - 2008** Identification of Plant Materials Collected from Pahang Rainforest
- 2008 - 2009** Survey and Collection of Plant Materials from Pahang Rainforest
- 2008 - 2011** Bioactivity -Guided Isolation of Antimicrobial Agent from Coleus Amboinicus Lour (Torbangun)
- 2007 - 2009** Bioactivity-guided Isolation of Antimicrobial Agent from Alternanthera Sessilis (Kermark)

## المنشورات

### Article

- 2020** [Hot methanol extract of \*Leea macrophylla\* \(Roxb.\) manages chemical-induced inflammation in rodent model.](#) Journal of King Saud University-Science
- 2020** [Medicinal uses, phytochemistry, and pharmacological properties of \*Piper aduncum\* L.](#) Sains Malaysiana , 49 (8) pp.1829-1851
- 2020** [A new xanthone and a new benzophenone from the roots of \*Garcinia hombroniana\*.](#) Phytochemistry Letters , 35 pp.216-219
- 2020** [Lipid accumulation modulation by \*garcinia atroviridis\* fruit extract in 3T3-L1 adipocyte cells.](#) Journal of Biologically Active Products from Nature , 10 (4) pp.303-316
- 2020** [Supplements of an aqueous combination of \*Justicia adhatoda\* and \*Ocimum tenuiflorum\* boost antioxidative effects and impede hyperlipidemia.](#) Animal Models and Experimental Medicine pp.1-12
- 2020** [Electrosprayed alginate nanoparticles as CRISPR Plasmid DNA delivery carrier: preparation, optimization, and characterization.](#) Pharmaceuticals , 13 (8) pp.1-29
- 2020** [Phytochemistry, traditional use and pharmacological activity of \*picrasma quassioides\*: a critical reviews.](#) Nutrients , 12 (2584) pp.1-16
- 2020** [Antinociceptive activity of asiaticoside in mouse models of induced nociception.](#) Planta Medica

- 2020** [A new xanthone dimer and cytotoxicity from the stem bark of calophyllum canum.](#) Zeitschrift für Naturforschung C pp.1-5
- 2020** [Genus Ophiorrhiza: a review of its distribution, traditional uses, phytochemistry, biological activities and propagation.](#) Molecules , 25 (11) pp.1-30
- 2019** [In vitro evaluation of the effect of Pluchea indica extracts in promoting glucose consumption activity on a liver cell line.](#) Makara Journal of Health Research , 23 (1) pp.48-52
- 2019** [In vivo anxiolytic and in vitro anti-inflammatory activities of water-soluble extract \(WSE\) of Nigella sativa \(L.\) seeds.](#) Natural Product Research pp.1-6
- 2019** [Screening of some Sumatran medicinal plants and selected secondary metabolites for their cytotoxic potential against MCF-7 and HSC-3 cell lines.](#) Journal of Research in Pharmacy , 23 (4) pp.770-776
- 2019** [Cytotoxic and antibacterial activities of marine sponge-derived fungus aspergillus nomius NC06.](#) Rasayan Journal of Chemistry , 12 (3) pp.1463-1469
- 2019** [Bottle gourd \(lagenaria siceraria\) extracts improve glucose and lipid metabolism in 3T3-L1 adipocytes.](#) Progress in Nutrition , 21 (Supplement 2 (2019)) pp.238-245
- 2019** [Trimmed off adipocytes: a source of newly secreted adipokines.](#) Progress in Nutrition , 21 (Supplement 1) pp.80-85
- 2019** [Optimization of aceclofenac proniosomes by using different carriers, part 1: development and characterization.](#) Pharmaceutics , 11 (7) pp.1-19
- 2019** [Cytotoxic activities of extracts and isolated compounds of some potential Sumatran medicinal plants against MCF-7 and HSC-3 cell lines.](#) Journal of Mathematical and Fundamental Sciences , 51 (3) pp.225-242
- 2019** [Pharmacological properties of Centella asiatica hydrogel in accelerating wound healing in rabbits.](#) BMC Complementary and Alternative Medicine , 19 pp.1-7
- 2019** [Antibacterial and antioxidant activities of extracts from Calophyllum ferrugineum and Calophyllum incrassatum = Aktiviti antibakteria dan antioksidan terhadap ekstrak daripada calophyllum ferrugineum dan calophyllum incrassatum.](#) Malaysian Journal of Analytical Sciences , 23 (4) pp.637-647
- 2019** [Optimization and formulation of Fucoxanthin-Loaded Microsphere \(F-LM\) using Response Surface Methodology \(RSM\) and analysis of its fucoxanthin release profile.](#) Molecules , 24 (5) pp.1-16
- 2019** [Methanol extract of Muntingia calabura leaves attenuates CCl4-induced liver injury: possible synergistic action of flavonoids and volatile bioactive compounds on endogenous defence system.](#) Pharmaceutical Biology , 57 (1) pp.335-344
- 2018** [Palm olein emulsion: a novel vehicle for topical drug delivery of betamethasone 17-valerate.](#) AAPS PharmSciTech , 19 (1) pp.371-383
- 2018** [Polygonumins A, a newly isolated compound from the stem of Polygonum minus Huds with potential medicinal activities.](#) Scientific Report , 8 (1) pp.1-15
- 2018** [PVA-PEG physically cross-linked hydrogel film as a wound dressing: experimental design and optimization.](#) Pharmaceutical Development and Technology , 23 pp.751-760

- 2018** [A conformational isomer of soulattrolide from the stem bark of calophyllum symingtonianum and its antibacterial activity.](#) Natural Product Sciences , 24 (1) pp.47-53
- 2018** [Antihyperglycemic activity of tinocrisposide by stimulating 3t3-L1 adipocyte cell differentiation.](#) Asian Journal of Pharmaceutical and Clinical Research , 11 (11) pp.494-498
- 2018** [Methylation and acetylation enhanced the antidiabetic activity of some selected flavonoids: In vitro, molecular modelling and structure activity relationship based study.](#) Biomolecules , 8 (4) pp.1-22
- 2018** [Trichosanthes cucumerina extracts enhance glucose uptake and regulate adiponectin and leptin concentrations in 3T3-L1 adipocytes model.](#) Food Research , 2 (2) pp.146-153
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- 2018** [Anti-inflammatory activity of tinocrisposide by inhibiting nitric oxide production in lipopolysaccharides-stimulated raw 264.7 cells.](#) Asian Journal of Pharmaceutical and Clinical Research , 11 (4) pp.149-153
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- 2018** [Selected natural agents used for cholesterol controls.](#) Nutrition & Food Science , 48 (2) pp.301-317
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- 2017** [Garcinia atroviridis - a review on phytochemicals and pharmacological.](#) Marmara Pharmaceutical Journal , 21 (1) pp.38-47
- 2017** [A lignan with glucose uptake activity in 3T3-L1 adipocytes from the stem bark of Knema patentinervia.](#) Pakistan Journal of Pharmaceutical Science , 30 (4) pp.1335-1339
- 2017** [Mesoionic sydnone: a review in their chemical and biological properties.](#) International Journal of Pharmacy and Pharmaceutical Sciences , 9 (8) pp.1-9
- 2017** [Cytotoxicity of triterpenes from the leaves of Garcinia prainiana King \(Guttiferae\).](#) Marmara Pharmaceutical Journal: an international peer-reviewed open access journal of pharmacy and pharmaceutical sciences. , 21 (1) pp.127-131
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- 2017** [The antimalarial properties of essential oils of the leaves of Malaysian \*Plectranthus amboinicus\* \(Lour\) spreng in mice infected with \*Plasmodium berghei\*.](#) *The International Medical Journal Malaysia* , 16 (1) pp.67-74
- 2017** [Development, validation and pharmacokinetic application of a simple and robust RP-HPLC method for quantitation of raloxifene in rat plasma.](#) *Latin American Journal of Pharmacy* , 36 (9) pp.1901-1907
- 2017** [Enhancing effects of \*trichosanthes cucumerina\* extracts on adipogenesis, adipolysis and glucose uptake in 3T3-L1 adipocytes.](#) *International Journal of Allied Health Sciences* , 1 (1) pp.1
- 2017** [Biflavonoids from the leaves and stem bark of \*Garcinia griffithii\* and their biological activities.](#) *Marmara Pharmaceutical Journal* , 21 (4) pp.889-897
- 2017** [Effects of \*Sargassum oligocystum\* and \*Padina australis\* extract on Adipogenesis and Adipolysis in 3T3-L1 Cells.](#) *International Food Research Journal* , 24 (Suppl.) pp.395-401
- 2017** [Optimization of essential oil and fucoxanthin extraction from \*Sargassum binderi\* by Supercritical Carbon Dioxide \(SC-CO<sub>2</sub>\) extraction with ethanol as co-solvent Using Response Surface Methodology \(RSM\).](#) *International Food Research Journal* , 24 (Suppl.) pp.S514-S521
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- 2016** [Hepatoprotective action of various partitions of methanol extract of \*Bauhinia purpurea\* leaves against paracetamol-induced liver toxicity: involvement of the antioxidant mechanisms.](#) *BMC Complementary and Alternative Medicine* , 16 (1) pp.1-16
- 2016** [Cytotoxic activity of \*Luvunga scandens\* against human cancer cell lines.](#) *Jurnal Teknologi* , 78 (10) pp.153-157
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- 2016** [Effects of triterpenoids from \*Luvunga scandens\* on cytotoxic, cell cycle arrest and gene expressions in MCF-7 cells.](#) *Natural Product Science* , 22 (4) pp.293-298
- 2016** [Cytotoxic and antibacterial activities of constituents from \*Calophyllum ferrugineum ridley\*.](#) *Records of Natural Products* , 10 (5) pp.649-653
- 2016** [Cytotoxic and antibacterial evaluation of coumarins and chromanone acid from \*Calophyllum symingtonianum\*.](#) *Journal of Applied Pharmaceutical Science* , 6 (1) pp.23-27
- 2016** [Fabrication of Fucoxanthin-Loaded Microsphere \( F-LM\) by two steps double-emulsion solvent evaporation methods and characterization of fucoxanthin before and after microencapsulation.](#) *Journal of Oleo Science* , 65 (8) pp.641-653

- 2016** [Cytotoxic activity assay of tinocrisposide from tinospora crispa on human cancer cells.](#) Der Pharmacia Lettre , 8 (18) pp.102-106
- 2016** [Chemical constituents from stem bark of Garcinia prainiana and their bioactivities.](#) International Journal of Pharmacognosy and Phytochemical Research , 8 (5) pp.756-760
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- 2016** [Hypoglycaemic activity of ethanolic extract of Garcinia mangostana Linn. in normoglycaemic and streptozotocin-induced diabetic rats.](#) BMC Complementary and Alternative Medicine , 16
- 2015** [In vitro antioxidant, cholinesterase and tyrosinase inhibitory activities of calophyllum symingtonianum and calophyllum depressinervosum \(guttiferae\).](#) Journal of Coastal Life Medicine , 3 (2) pp.126-131
- 2015** [In vitro wound healing activity of sapium indicum wild leaf extracts.](#) African Journal of Traditional, Complementary and Alternative Medicines , 12 (2) pp.126-132
- 2015** [Herbal extracts exhibit anti-diabetic activities in 3T3-L1 adipocytes model.](#) Progress in Nutrition , 17 (4) pp.301-310
- 2015** [Mechanisms of  \$\alpha\$ -mangostin-induced antinociception in a rodent model.](#) Biological Research for Nursing , 17 ( 1) pp.68-77
- 2015**  [\$\alpha\$ -glucosidase and 15-lipoxygenase inhibitory activities of phytochemicals from calophyllum symingtonianum.](#) Natural Products Communications , 10 (9) pp.1585-1587
- 2015** [Alpha-mangostin improves glucose uptake and inhibits adipocytes differentiation in 3T3-L1 cells via PPAR gamma, GLUT4, and leptin expressions.](#) Evidence-Based Complementary and Alternative Medicine , 15 pp.1-9
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- 2014** [Antinociceptive effects of alkaloids rich fraction of aidia densiflora in mice.](#) Malaysian Journal of Pharmacy , 1 (11) pp.223-223
- 2014** [Apoptotic activities of thymoquinone, an active ingredient of black seed \(nigella sativa\), in cervical cancer cell lines.](#) Chinese Journal of Physiology , 57 (5) pp.249-255
- 2014** [Antimalarial activity of Malaysian plectranthus amboinicus against plasmodium berghei.](#) Pharmacognosy Research , 6 (4) pp.280-284

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- 2014** [Haplophytin B from \*Maclurodendron porteri\*.](#) Pakistan Journal of Pharmaceutical Sciences , 27 (1) pp.179-181
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- 2014** [Cytotoxic tirucallane triterpenes from the stem of \*Luvunga scandens\*.](#) Brazilian Journal of Pharmacognosy , 24 (5) pp.561-564
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- 2013** [A new sesquiterpene from \*Knema patentinervia\*.](#) Chemistry of Natural Compounds , 48 (6) pp.985-987
- 2013** [Selected herbal extracts improve diabetes associated factors in 3T3-L1 adipocytes.](#) Procedia - Social and Behavioral Sciences , 91 pp.357-375
- 2013** [Antioxidant and cytotoxic properties of two sea cucumbers, \*Holothuria edulis\* lesson and \*Stichopus horrens selenka\*.](#) Acta Biologica Hungarica , 64 (1) pp.10-20
- 2013** [Microencapsulation of alpha-mangostin into PLGA microspheres and optimization using response surface methodology intended for pulmonary delivery.](#) Journal of Microencapsulation pp.1-13
- 2013** [Analysis of fucoxanthin content and purification of all-trans-fucoxanthin from \*Turbinaria turbinata\* and \*Sargassum plagyophyllum\* by SiO<sub>2</sub> open column chromatography and reversed phase-HPLC.](#) Journal of Liquid Chromatography & Related Technologies , 36 (10) pp.1340-1354
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- 2019** [Extraction, analysis, anti-tyrosinase activity and formulation of asiaticoside rich fraction from \*Centella asiatica\*](#). In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019** [Comparison on the chemical composition and antioxidant properties of essential Oil from fresh, boiled and freeze-dried the rhizomes of \*Curcuma zedoaria\*](#). In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019** [The use of cell culture technique in small molecule antidiabetes drug discovery](#). In: **BSBMB Conference 2019**

- 2019 [Antibody drug conjugate in cancer therapy.](#) In: **Public Lecture: Development of Biology Molecular**
- 2019 [Release study on electrospun PVA/chitosan-based nanofibers loaded with Centella Asiatica extracts.](#) In: **33rd Scientific Meeting Malaysian Society Of Pharmacology & Physiology (MSPP) 2019**
- 2019 [Development of natural product from bench to drug formulation.](#) In: **Seminar dan Workshop "How to Choose Right Publication Journal and How to Make a Beautiful Paper Publication**
- 2018 [Comparison of the essential oil components in fresh peels of lime \(citrus aurantifolia\) extracted with supercritical fluid extraction and other three traditional extraction methods.](#) In: **International Conference of Analytical Sciences (SKAM31)**
- 2018 [Formulation and evaluation of PVA/PEG peel-off mask containing rich fraction of Centella asiatica and Cucumis sativus extract for anti-ageing.](#) In: **International Conference of Analytical Sciences (SKAM31)**
- 2018 [Functional foods from Quercus infectoria galls and their bioactivities.](#) In: **34th International Conference on Natural Products (ICNP 2018)**
- 2018 [Antibacterial and antioxidant activities of extracts from Calophyllum ferrugineum and Calophyllum incrassatum.](#) In: **International Conference of Analytical Sciences (SKAM31)**
- 2018 [Isolation, cytotoxic and alpha-glucosidase inhibitory activities of new coumarins from calophyllum incrassatum.](#) In: **34th International Conference on Natural Products 2018 (ICNP 2018)**
- 2018 [In vitro antidiabetic effects of flavonoids: molecular and structure-activity relationship based study.](#) In: **34th International Conference on Natural Products 2018 (ICNP 2018)**
- 2018 [Is asiaticoside effective against pain?.](#) In: **15th Symposium of The Malaysian Society of Applied Biology**
- 2017 [Potential insulin-like and insulin-sensitizing activity on 3T3-L1 adipocytes by terpenoids isolated from Tetracera indica.](#) In: **International Conference on Natural Products 2017 (ICNP 2017)**
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- 2016 [Advanced characterization of ethanolic nano lipid vesicles loaded with raloxifene HCl for transdermal drug delivery.](#) In: **The 4th Current Drug Development International Conference (CDD 2016)**

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- 2016 [Process validation for pilot-scale production of Betamethasone 17-valerate emulsions using palm olein as topical drug delivery vehicle.](#) In: **2nd International Conference On Industrial Pharmacy 2016 (ICIP 2016)**
- 2016 [Swelling index, gel fraction, thermal and rheological properties of Centella asiatica hydrogel.](#) In: **2nd International Conference On Industrial Pharmacy 2016 (ICIP 2016)**
- 2016 [Development and validation of high performance liquid chromatography method for analysis of Raloxifene HCl in rat plasma by liquid-liquid extraction.](#) In: **2nd International Conference On Industrial Pharmacy 2016 (ICIP 2016)**
- 2016 [Preclinical evidence of Malay traditional herbal supplement for diabetes.](#) In: **V World Congress on Medicinal and Aromatic Plants (WOCMAP) and International Symposium on Plants, as Factories of Natural Substances, Edible and Essential Oils**
- 2016 [3-Arylsydnone and 4-Acetyl-3-Arylsydnone: In vitro cytotoxicity against prostate cancer cell line \(PC3\), structure-activity relationship and in silico evaluation of their caspase 3 inhibition.](#) In: **3rd Pharmaceutical Research Conference (3rd PRC 2016) for Pharmacy Students & Young Graduates**
- 2016 [In Vitro and In Vivo wound healing studies of standardized extract of Centella asiatica.](#) In: **International Conference on Natural Products 2016 (ICNP 2016)**
- 2016 [Coumarins and chromanones from two Calophyllum species and their bioactivities .](#) In: **International Conference on Natural Products 2016 (ICNP 2016)**
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- 2016 [Isolation of antidiabetic compounds from tetracera Indica.](#) In: **International Conference on Natural Products 2016 (ICNP 2016)**
- 2016 [Evaluation of the phytochemical content and the use of the essential oil from the leaves of Malaysian Plectranthus amboinicus \(lour\) spreng as antimalarial in vivo.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2015 [Formulation of PVA and PEG hydrogel via Freeze-Thaw method.](#) In: **4th International Conference on Pharmaceuticals, Nutraceuticals and Cosmetic Science (IPNaCs)**
- 2015 [Effect of common vegetables extracts on lipid and glucose in 3t3-l1 adipocytes.](#) In: **MASO 2015 Scientific Conference on Obesity**
- 2015 [Bioguided isolation of cytotoxic triterpenoids from the stem of luvunga scandens .](#) In: **International Conference on Natural Products 2015**
- 2015 [Antioxidant, cholinesterase and tyrosinase inhibitory activities of calophyllum symingtonianum and calophyllum depressinervosum .](#) In: **International Conference on Natural Products 2015**

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- 2015 [Formulation of hydrogel with synthetic polymers \(PVA and PEG\)](#) . In: **Controlled Release & Drug Delivery Symposium (CRDDS 2015) in conjunction with the 1st MyCRS Scientific Conference**
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- 2014 [Isolation and anti-proliferative activity of natural products from green seaweed.](#) In: **5th International Conference on Science & Technology: Applications in Industry & Education (ICSTIE 2014)**
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- 2013 [Hypoglycaemic activity of ethanolic extract of Garcinia mangostana Linn. pericarp in normoglycaemic and streptozotocin-induced diabetic rat.](#) In: **27th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP2013)**
- 2013 [Effect of Pluchea Indica on glucose consumption of Chang liver cells.](#) In: **27th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP2013)**
- 2013 [Biochemical and histological evaluation of Garcinia mangostana linn. on streptozotocin-induced diabetic rats.](#) In: **International Conference on Natural Products 2014**
- 2013 [In-vitro antifungal and antibacterial activities of rhizomes extracts of Alpinia galanga and Alpinia conchigera griff.](#) In: **International Conference on Natural Products 2014**
- 2013 [Chemical constituents and bioactivities of garcinia prainiana.](#) In: **International Conference on Natural Products 2013 (ICNP 2013)**
- 2013 [Toxicity and antiplasmodial evaluation of Malaysian Plectranthus amboinicus leaves extract.](#) In: **International Malaria Symposium 2013**
- 2013 [Xanthenes from Garcinia Malaccensis improve Glut4 as well as decreased Ppar \$\gamma\$  activation on adipocytes.](#) In: **International Conference on Natural Products 2013**
- 2013 [Antiobesity effects of  \$\alpha\$ -mangostin through glut4 and leptin expression together with ppar \$\gamma\$  activation in adipocytes.](#) In: **IIUM Research, Innovation and Invention Exhibition 2010 (IRIIE 2010)**
- 2013 [Insulin mimicking activities of Cycloartane Triterpenoid in 3T3-L1 cells.](#) In: **IIUM Research, Invention and Innovation Exhibition 2013 (IRIIE 2013)**
- 2013 [Antimicrobial activity and synergic effect of cinnamomum burmannii's essential oil & its isolated compound \(Cinnamaldehyde\).](#) In: **International Conference on Chemical, Agricultural and Medical Sciences (CAMS-2013)**
- 2013 [Genetic and bio-chemical determinants of dementia.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2013**
- 2013 [Phytochemical analysis and acute oral toxicity study of the ethanolic leaves extract of Plectranthus amboinensis \(Lour\) Spreng.](#) In: **13th Medicinal and Aromatic Plants Seminar (MAPS-13)**
- 2012 [The effect of Pluchea Indica \(L\) \(Beluntas\) extracts on the insulin release of RIN5F cell line.](#) In: **26th Scientific Meeting of Malaysian Society of Pharmacology & Physiology**
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- 2012 [Site-directed mutagenesis for the production of mutant TP53 gene and analysis of its tumor suppressor activity.](#) In: **International Conference in Biomedical Science 2012**
- 2011 [Cytotoxic and antimicrobial activities of alkaloids from tabernaemontana corymbosa.](#) In: **5th AASP Conference**
- 2011 [Phytochemistry and antioxidant activity of garcinia prainiana.](#) In: **International Conference on Natural products (ICNP 2011)**
- 2011 [Chemical constituents and biological activities of the leaves of Garcinia griffithii\(Guttiferae\).](#) In: **International Conference on Natural Products (ICNP 2011): Metabolomics - A New Frontier in Natural Products Science**
- 2011 [Clinical epidemiology of genetic, biochemical and behavioral determinants of dementia- The commonest neurogenerative disease.](#) In: **International Health Conference IIUM (IHCI 2011)**
- 2011 [Development of Palm olein-in-water emulsion containing extracts of Derris elliptica Benth as insecticide .](#) In: **International Health Conference IIUM 2011**
- 2011 [Development of alpha mangostin-PLGA nanoparticles as an anticancer agent.](#) In: **International Health Conference IIUM (IHCI 2011)**
- 2011 [Cell migration for in vitro wound healing evaluation- a pilot study on Channa striata.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2011 [Potential bioactivities of  \$\beta\$ -mangostin from garcinia malaccensis Hk.f.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
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- 2011 [Palm olein-in-water cream containing extracts from \*Hirudinaria manillensis\* for improving blood flow.](#) In: **International Ibn al-Haytham's al-Manazir Innovation and Invention Exhibition (INEX 2011)**
- 2011 [Effects of spices and herbal extract on Preadipocyte Cell Differentiation:preliminary results.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2011 [Chemical constituents and bioactivities of \*Garcinia malaccensis\* Hk.f.](#) In: **International Conference on Natural Products**
- 2011 [Antidiabetic activities of \*Cinnamomum zeylanicum\* and \*Tinospora crispa\* on adipocytes .](#) In: **International Conference on Natural products (ICNP 2011)**
- 2011 [Microencapsulation of \*Cassia alata\* extract for topical application.](#) In: **International Congress on Applied Biology (ICAB 2011)**
- 2011 [Isolation of fuxoxanthin and fatty analysis from \*Padina australis\* and cytotoxicity effect of fucoxanthin of human lung cancer \(H1299\) cell lines.](#) In: **Proceedings of the 2nd International Conference on Biotechnology Engineering ICBioE'11**
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- 2011 [Silencing endogenous mutant P53 Using Sirna Induces P73-Mediated Apoptosis in Human Head And Neck Squamous Cell Carcinoma .](#) In: **25th Scientific Meeting of The Malaysian Society Of Pharmacology And Physiology**
- 2010 [Calophyllum canum : antibacterial and anticancer plant.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Study of antihyperglycaemic properties of selected Malaysian antidiabetic plants in cultured 3T3-L1 cells.](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
- 2010 [Anti-cancer activities of Thymoquinone, constituents of \*Nigella sativa\* against oral cancer cell lines .](#) In: **9th Scientific Meeting of International Association for Dental Research**
- 2010 [Secondary metabolites and bioactivity studies of \*Garcinia griffithii\* plant.](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
- 2010 [Qualitative analysis of biochemicals and proximate determination of saponin in different parts of \*Donax grandis\* plant extracts.](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
- 2010 [Phytochemical and biological activity study of \*Calophyllum canum\*.](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
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