

M. TAHER BIN BAKHTIAR



- KULLIYAH OF PHARMACY
- IIUM Kuantan Campus
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ACADEMIC QUALIFICATION

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

TEACHING RESPONSIBILITIES

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
Nutraceuticals & 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

RESEARCH PROJECTS

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 β -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 β -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)

PUBLICATIONS

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
- 2018** [Phytoconstituents from Vernonia glaberrima Welw. Ex O. Hoffm. leaves and their cytotoxic activities on a panel of human cancer cell lines.](#) South African Journal of Botany , 116 pp.16-24
- 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
- 2018** [Phytochemical constituents and pharmacological properties of Garcinia xanthochymus- a review.](#) Biomedicine & Pharmacotherapy , 106 pp.1378-1389
- 2018** [Selected natural agents used for cholesterol controls.](#) Nutrition & Food Science , 48 (2) pp.301-317
- 2017** [Flavonoids from Tetracera indica Merr. induce adipogenesis and exert glucose uptake activities in 3T3-L1 adipocyte cells.](#) BMC Complimentary and Alternative Medicine , 17 (1) pp.1-14
- 2017** [In vitro and in vivo wound healing studies of methanolic fraction of Centella Asiatica extract.](#) South African Journal of Botany , 108 pp.163-174
- 2017** [Chemical constituents and medical benefits of plantago major.](#) Biomedicine & Pharmacotherapy , 96 pp.348-360
- 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
- 2017** [Antimicrobial activity of methyl gallate isolated from the leaves of Glochidion superbum against hospital isolates of methicillin resistant Staphylococcus aureus.](#) Natural Product Sciences , 23 (1) pp.5-8

- 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 \(SC-CO₂\) extraction with ethanol as co-solvent Using Response Surface Methodology \(RSM\).](#) International Food Research Journal , 24 (Suppl.) pp.S514-S521
- 2016** [Cytotoxic and anti-inflammatory activities of *Garcinia xanthochymus* extracts on cell lines.](#) Makara Journal of Health Research , 20 (1) pp.11-17
- 2016** [Incrassamarin A-D: Four new 4-substituted coumarins from *Calophyllum incrassatum* and their biological activities.](#) Phytochemistry Letters , 16 pp.287-293
- 2016** [Tyrosinase inhibition, anti-acetylcholinesterase, and antimicrobial activities of the phytochemicals from *Gynotroches axillaris* Blum.](#) Pakistan Journal of Pharmaceutical Sciences , 29 (6) pp.2071-2078
- 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
- 2016** [The mode of antimicrobial action of *Cinnamomum burmannii*'s essential oil & cinnamaldehyde.](#) Jurnal Teknologi , 78 (11) pp.41-47
- 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
- 2016** [Cytotoxic, anti-inflammatory and adipogenic effects of inophyllum D. calanone, isocordato-oblongic acid, and morelloflavone on cell lines.](#) Natural Products Sciences , 22 (2) pp.122-128
- 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** [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
- 2014** [Dose water extract of cinnamon \(cinnamomum zeylanicum\) exhibits anti-diabetic properties in cultured 3T3-L1 adipocytes: a concurrent assessment of adipogenesis, lipolysis and glucose uptakes.](#) Journal of Food and Nutrition Research , 2 (11) pp.764-769
- 2014** [Antioxidant and antimicrobial activities of shorea kunstleri.](#) Journal of Coastal Life Medicine , 2 (8) pp.638-644
- 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

- 2014** [Polyphenol content and antioxidant capacity in organically and conventionally grown vegetables.](#) Journal of Coastal Life Medicine , 2 (11) pp.864-871
- 2014** [Direct and indirect antimicrobial effects of \$\alpha\$ -mangostin on pathogenic microorganisms.](#) Journal of Coastal Life Medicine , 2 (1) pp.70-75
- 2014** [Haplophytin B from *maclurodendron porteri*.](#) Pakistan Journal of Pharmaceutical Sciences , 27 (1) pp.179-181
- 2014** [Experimental design and optimization of raloxifene hydrochloride loaded nanotransfersomes for transdermal application.](#) International Journal of Nanomedicine , 2014 (9) pp.4331-4346
- 2014** [Cytotoxic tirucallane triterpenes from the stem of *luvunga scandens*.](#) Brazilian Journal of Pharmacognosy , 24 (5) pp.561-564
- 2013** [Methanol extract of *Melastoma malabathricum* leaves exerted antioxidant and liver protective activity in rats.](#) BMC Complementary and Alternative Medicine , 13 pp.326
- 2013** [Total phenolic, antioxidant, antimicrobial, activities and toxicity study of *Gynotroches Axillaris* Blume \(*Rhizophoraceae*\) .](#) Excli Journal , 12 pp.404-4012
- 2013** [Torbangun \(*Coleus amboinicus* Lour\) extracts affect microbial and fungus activities.](#) Journal of Nutritional Therapeutics , 2 (4) pp.194-200
- 2013** [Wound healing properties of ethanolic extract of *acrostichum aureum* and *acrostichum speciosum* rhizome in rats.](#) Journal of Tropical Resources and Sustainable Science , 1 (2) pp.42-48
- 2013** [Antimicrobial activity of mangrove plant *AcrostichumSpeciosum*.](#) Journal of Pure and Applied Microbiology , 7 pp.253-257
- 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 SiO₂ open column chromatography and reversed phase-HPLC.](#) Journal of Liquid Chromatography & Related Technologies , 36 (10) pp.1340-1354
- 2013** [Anti-bacterial and anti-fungal activity of *coleus* leaves consumed as breast-milk stimulant.](#) Nutrition and Food Science , 43 (6) pp.582-590
- 2013** [Antioxidant, antimicrobial and total phenolic contents of *Calophyllum symingtonianum*.](#) Journal of Coastal Life Medicine , 3 (2) pp.1-5

- 2012** [The phytochemical content and antimicrobial activities of Malaysian *Calophyllum canum* \(stem bark\).](#) Pakistan Journal of Pharmaceutical Sciences , 25 (3) pp.555-563
- 2012** [In vitro antimicrobial activity of mangrove plant *Sonneratia alba*.](#) Asian Pacific Journal of Tropical Medicine , 2 (6) pp.427-429
- 2012** [Study on antidiabetic plants cocktail containing *Andrographis paniculata*, *Cinnamomum burmannii* and *Tinospora crispa*.](#) Malaysian Journal of Pharmaceutical Sciences , 1 (10) pp.116
- 2012** [Antidiabetic activity of the leaves of *tetracera indica merr.* \(Dilleniaceae\) in vivo and in vitro.](#) Journal of Medicinal Plants Research , 6 (49) pp.5912-5922
- 2012** [Apoptosis, antimicrobial and antioxidant activities of phytochemicals from *Garcinia malaccensis* Hk.f.](#) Asian Pacific Journal of Tropical Medicine , 5 (2) pp.136-141
- 2012** [Flavonoids and triterpenes from the leaves of *artocarpus fulvicortex*.](#) Natural Products Communications , 7 (12) pp.1587-1588
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