

DENY SUSANTI BINTI DARNIS



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
- Email address:
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المؤهل العلمي

- Doctor of Philosophy (Chemistry)
- Masters of Science (Chemistry)
- Pharmacist
- Graduate in Science (Pharmacy)
- Sekolah Menengah Atas
- Sekolah Menengah Pertama

مسؤوليات التدريس

ANALYTICAL SPECTROSCOPY	2014/2015 2015/2016
CHEMISTRY & BIOCHEMISTRY OF NATURAL PRODUCTS	2011/2012 2012/2013 2013/2014 2014/2015
CHEMISTRY AND BIOCHEMISTRY OF NATURAL PRODUCTS	2016/2017 2017/2018 2018/2019
DRUG ABUSE	2009/2010 2010/2011 2011/2012
DRUG DELIVERY & APPLICATION	2017/2018 2018/2019 2019/2020 2020/2021
DRUG DELIVERY SYSTEMS	2007/2008 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014
DRUG DOSAGE FORM	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
FINAL YEAR PROJECT I	2009/2010 2010/2011 2011/2012 2020/2021
FINAL YEAR PROJECT II	2009/2010 2010/2011 2020/2021
GOOD LABORATORY PRACTICE	2015/2016
HERBAL MEDICINE	2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015
INDUSTRIAL PHARMACY AND REGULATIONS	2007/2008 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014
MEDICINAL CHEMISTRY I	2015/2016 2017/2018
MEDICINAL CHEMISTRY II	2016/2017 2017/2018 2018/2019 2019/2020 2020/2021

MEDICINAL PLANTS	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
NATURAL PRODUCT & HERBAL MEDICINE	2019/2020 2020/2021
NATURAL PRODUCT CHEMISTRY	2014/2015 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
NATURAL PRODUCTS	2013/2014
ORGANIC CHEMISTRY	2012/2013
ORGANIC CHEMISTRY I	2015/2016
ORGANIC CHEMISTRY II	2013/2014 2015/2016
PHARMACEUTICAL QUALITY ASSURANCE	2007/2008 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013
PHARMACEUTICAL SCIENCE	2019/2020
PRINCIPLES OF BIOCHEMISTRY	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
SEPARATION TECHNIQUES FOR MEDICINAL CHEMISTRY	2016/2017 2017/2018
TOXICOLOGY AND DRUG INTERACTIONS	2015/2016 2017/2018 2018/2019 2019/2020

المشاريع البحثية

In Progress

- 2020 - Present** Short Term Project: The Formulation for Wound Healing Hydrogel Polymer-Based Spray
- 2019 - Present** Antimicrobial, immunological and tooth remineralisation effect of Deer velvet antler of *Cervus timorensis*.
- 2019 - Present** Assessment on suitable hydrocolloids for probiotic encapsulation enhancing its viability and stability
- 2019 - Present** Mechanism of action of polyphenols in the cashew shoots (*Anacardium occidentale*) extracts in inhibiting DPP-IV and α -amylase in vitro as a potential agent for type 2 diabetes mellitus.
- 2019 - Present** High Performance Hydrophobic Drug Carrier from Polycaprolactone-b-poly(ethylene glycol) Star-shaped Polymers Hydrogel Blend As Potential for Wound Healing Application
- 2019 - Present** Determination and characterisation of vitamin B12 from edible green seaweed, *Ulva lactuca*

- 2019 - Present** The mechanism of action of EPS from *G. lucidum* as β -glucosidase inhibitors and to identify its role in the regulation of blood glucose level
- 2019 - Present** Knowledge Transfer on Sustainable Waste Management to School Teachers: Towards Establishment of Eco-School
- 2019 - Present** Knowledge Transfer to School Teachers and Technical Staff to Enhance Laboratory Skills and Management to Promote Sustainable Lab Practices
- 2019 - Present** PRODUCTION OF HYDROGEL SHEET CONTAINING *CENTELLA ASIATICA* (PEGAGA) FOR WOUND DRESSING APPLICATION
- 2018 - Present** Allelopathic effect of a fish killer, *Cochlodinium polykrikoides* on the growth and toxin production of *Pyrodinium bahamense* under different growth conditions
- 2018 - Present** Microbial Biotransformation of Sesquiterpenoid and Diarylheptanoid from *Curcuma* sp. By Actinomycetes strains towards Anti-Inflammatory and Anti-Cancer Activities
- 2018 - Present** EFFECTS OF CO-SOLVENT, TEMPERATURE, PRESSURE ON ASIATICOSIDE CONTENT IN *CENTELLA ASIATICA* USING SUPERCRITICAL FLUID EXTRACTION
- 2017 - Present** The effect of coculture on rare actinomycete, *Actinophytocola* sp. with live/dead cells of bacteria in eliciting secondary metabolite production
- 2016 - Present** The *Danio rerio* angiogenesis inhibitor as anti-cancer effects in *Clinacanthus nutans*, *Orthosipon stamineus* *Luvunga scandens* and *Annona muricata* extracts
- 2016 - Present** Induction of hairy roots by various strains of *Agrobacterium rhizogenes* in leaves explants of selected medicinal plant species in Malaysia
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- 2016 - Present** Investigation of bioactive compounds from *Luvunga scandens* and its cytotoxicity against breast cancer cell
- 2015 - Present** Insulin potentiating activity of *Coscinium fenestratum* (Mengkunyit) in pancreatic beta cells
- 2015 - Present** Flax seed extract and its effect on WNT signaling pathway in the osteogenic differentiation potential of stem cells from human exfoliated deciduous teeth (SHED)
- 2015 - Present** Mechanism of (-) Hydroxycitric Acid from Dried Fruit of *Garcinia atrovirens* on 3T3-L1 Adipocyte Cells as an Halal Antiobesity Product
- 2014 - Present** Design, Synthesis and Characterization of 2,4-Disubstituted-1,3 Thiazole Amino Acid Derivatives towards its Applications on Antimicrobial and Antioxidant Activities

Completed

- 2016 - 2018** Investigation of bioactive compounds from *Luvunga scandens* and its cytotoxicity against breast cancer cell

- 2015 - 2020** Flax seed extract and its effect on WNT signaling pathway in the osteogenic differentiation potential of stem cells from human exfoliated deciduous teeth (SHED)
- 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** The role of bioactive compounds from *Anacardium occidentale* (Pucuk Gajus) as antihyperglycaemic agents for the treatment of Type 2 diabetes
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- 2014 - 2018** Design, Synthesis and Characterization of 2,4-Disubstituted-1,3 Thiazole Amino Acid Derivatives towards its Applications on Antimicrobial and Antioxidant Activities
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- 2013 - 2017** Cell-Scaffold Interaction using Water-Soluble Calixarene Functionalized Polycaprolactone/Gelatin Nanofiber for the Improvement of Cell Adhesion
- 2013 - 2016** Anchoring Mechanism And Release Kinetic Of Natural Compounds From The Siliceous Mesostructured Cellular Foam (Mcf) Drug Carrier
- 2013 - 2019** Fabrication and Evaluation of a Halal Medicated Hydrogel Film from Standardized *Centella asiatica* for Wound Healing
- 2013 - 2015** In vitro antiurolithiatic effect of selected Prophetic medicines
- 2013 - 2019** Fabrication and Evaluation of a Halal Medicated Hydrogel Film from Standardized *Centella asiatica* for Wound Healing
- 2012 - 2013** Screening of Essential Oil From Different Varieties of Rhizome of *Zingiber officinale* and Its Antimicrobial Activities
- 2012 - 2015** Synthesis and Characterisation of Novel Water-Soluble Calixarene Derivatives: Exploratory Study on Their Biological Activities for Drug Design
- 2012 - 2013** Rice husk ash silica hybrid drug carrier for -mangostin
- 2012 - -1** Screening of Essential Oil From Different Varieties of Rhizome of *Zingiber officinale* and Its Antimicrobial Activities
- 2011 - 2012** KVC Book Project 2011- Sustainable Utilization of Malaysian Agrowaste
- 2011 - 2012** Isolation of Antimicrobial Agent from Clusiaceae Plant
- 2011 - 2013** Antioxidant, antimicrobial and insecticidal Activity of selected Malaysian Plants
- 2010 - 2013** Evaluation of wound healing properties of *acrostichum* using in vivo and in vitro techniques

- 2010 - 2016** Investigation on Antimicrobial Active Alkaloids from Callus and Shoot Cultures of *Ruta Angustifolia* (L.) Pers.
- 2010 - 2012** Preliminary study of wound healing properties from selected mangrove ferns in matang mangrove, perak
- 2010 - -1** Extraction and Characterization of Chitin and Chitosan Contents from Local Squid(s)and Tilapia Fish Scales
- 2010 - 2011** Extraction and Characterization of Chitin and Chitosan Contents from Local Squid(s)and Tilapia Fish Scales
- 2010 - 2014** Synthesis, Characterization and Structural Studies of Acylthiourea Carboxylic Acid Derivatives and their Metal Complexes and their Biological Activities
- 2010 - 2013** Isolation, Purification and Elucidation of Active Antimicrobial Compound/s from Malaysian Sponge *Neopetrosia Exigua* (kirkpatrick)
- 2010 - 2011** Isolation and anticancer Evaluation of Mangostin from *Garcinia Malaccensis*
- 2009 - 2010** Antimicrobial Properties of Malaysian Sponges and Corals
- 2009 - 2010** Antimicrobial properties of Malaysia sponge and corals
- 2009 - 2010** Collection and Identification of Sponge and Coral Species from Langkawi
- 2009 - 2013** Study of Phytochemistry and Anticancer Activity of Three Malaysian *Calophyllum*
- 2008 - 2010** Isolation of Antimicrobial Active Compounds from *Calophyllum Canum* Hk.f

المنشورات

Article

- 2020** [Potential antibacterial effects of flaxseed and *Nigella sativa* extracts on *Streptococcus pyogenes*](#). International Journal of Orofacial and Health Sciences , 1 (1) pp.11-17
- 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** [Genus *Ophiorrhiza*: a review of its distribution, traditional uses, phytochemistry, biological activities and propagation](#). Molecules , 25 (11) pp.1-30
- 2020** [Optimization of supercritical fluid extraction of asiaticoside from *Centella asiatica* using Central Composite Design \(CCD\)](#). Separation Science and Technology
- 2020** [The effect of bioactive polyphenols from *Anacardium occidentale* Linn. leaves on \$\alpha\$ -Amylase and dipeptidyl peptidase IV activities](#). Indonesian Journal of Chemistry , 20 (5) pp.1010-1017
- 2020** [Antimicrobial effect of seaweeds against oral-borne pathogens: a review](#). International Journal of Allied Health Sciences , 4 (1) pp.1049-1056

- 2020** [Medicinal uses, phytochemistry, and pharmacological properties of Piper aduncum L. = Kegunaan perubatan, fitokimia dan sifat farmakologi piper aduncum L..](#) Sains Malaysiana , 49 (8) pp.1829-1851
- 2020** [Mitigation of Alexandrium tamiyavanichii using active fractions from ethanol extract of ornamental plant, Sansevieria trifasciata.](#) Science Heritage Journal (GWS) , 4 (1) pp.19-23
- 2020** [New 2,4,5-trisubstituted-1,3-thiazole derivatives: synthesis, in vitro antimicrobial activity and in silico study.](#) Jurnal Teknologi , 82 (2) pp.61-69
- 2020** [Phytochemistry, traditional use and pharmacological activity of picrasma quassioides: a critical reviews.](#) Nutrients , 12 (2584) pp.1-16
- 2020** [A new xanthone dimer and cytotoxicity from the stem bark of calophyllum canum.](#) Zeitschrift für Naturforschung C pp.1-5
- 2019** [The antimicrobial effect of flax seed on pseudomonas aeruginosa.](#) World Journal of Pharmacy and Pharmaceutical Sciences , 8 (9) pp.629-642
- 2019** [Gas chromatography-mass spectrometry analysis of phytocomponents of sargassum polycystum.](#) International Journal of Research in Pharmaceutical Sciences , 10 (4) pp.2705-2710
- 2019** [Extraction and characterization of microfibrillated and nanofibrillated cellulose from office paper waste = Pengekstrakan dan pencirian mikro fibril dan nanofibril selulosa daripada sisa kertas pejabat.](#) Malaysian Journal of Analytical Sciences , 23 (5) pp.901-913
- 2019** [Pharmacological properties of Centella asiatica hydrogel in accelerating wound healing in rabbits.](#) BMC Complementary and Alternative Medicine , 19 pp.1-7
- 2019** [Comparison of extraction techniques for three Calophyllum species and their antioxidant activity = Perbandingan teknik pengekstrakan untuk tiga spesies Calophyllum dan aktiviti antioksidan.](#) Malaysian Journal of Analytical Sciences , 23 (4) pp.586-594
- 2018** [Flaxseed ethanolic crude extract influences growth of stem cells from human exfoliated deciduous teeth \(SHED\).](#) Journal of International Dental and Medical Research , 11 (2) pp.643-649
- 2018** [Synthesis and characterisation of rice husk ash silica drug carrier for \$\alpha\$ -mangostin.](#) Journal of Physical Science , 29 (3) pp.95-107
- 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 solumatrolide from the stem bark of calophyllum symingtonianum and its antibacterial activity.](#) Natural Product Sciences , 24 (1) pp.47-53
- 2018** [Linum usitatissimum as an antimicrobial agent and a potential natural healer: a review.](#) Archives of Orofacial Sciences , 13 (2) pp.55-62
- 2018** [The potential of dried and fresh extracts of Sansevieria trifasciata to mitigate Alexandrium tamiyavanichii, a toxic dinoflagellate.](#) Science Heritage Journal , 2 (1) pp.18-20

- 2018** [Synthesis, in-vitro and in silico studies of azo-based calix\[4\]arenes as antibacterial agent and neuraminidase inhibitor: a new look into an old scaffold.](#) *Frontiers in Chemistry* , 6 pp.1-10
- 2018** [Phytochemical constituents and pharmacological properties of *Garcinia xanthochymus*- a review.](#) *Biomedicine & Pharmacotherapy* , 106 pp.1378-1389
- 2018** [Evaluation of bioactive compounds in different extracts of *Linum usitatissimum* and their antibacterial properties.](#) *Makara Journal Health Research* , 22 (3) pp.121-127
- 2018** [Encapsulation and characterization of gentamicin sulfate in the collagen added electrospun nanofibers for skin regeneration.](#) *Journal of Functional Biomaterials* , 9 (2) pp.1-9
- 2018** [Selected natural agents used for cholesterol controls.](#) *Nutrition & Food Science* , 48 (2) pp.301-317
- 2018** [Phytochemical screening and larvicidal activity of *murraya koenigii* leaves ethanolic extract against *aedes aegypti*.](#) *International Journal of Allied Health Sciences* , 2 (1) pp.129-139
- 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** [Ethical dimension of consuming frog components for medical and research purposes.](#) *Revelation and Science* , 7 (1) pp.15-20
- 2017** [In vitro antioxidant, antityrosinase, antibacterial and cytotoxicity activities of the leaf and stem essential oil from *piper magnibaccum* C. DC..](#) *Journal of Essential Oil Bearing Plants* , 20 (1) pp.223-232
- 2017** [Characteristics of *pelargonium radula* as a mercury bioindicator for safety assessment of drinking water.](#) *Environmental Science and Pollution Research* , 24 (29) pp.22827-22838
- 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** [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** [Screening of fatty acid compound of *S. polycystum* for anti-cariogenic potential.](#) *International Medical Journal Malaysia (IMJM)* , 16 (Supp. 2) pp.1
- 2016** [Cytotoxic and anti-inflammatory activities of *Garcinia xanthochymus* extracts on cell lines.](#) *Makara Journal of Health Research* , 20 (1) pp.11-17
- 2016** [Antimicrobial alkaloids isolated from marine sponges - Minireview.](#) *Journal of Basic and Applied Research* , 2 (1) pp.1-7

- 2016** [Effects of flaxseed extract on the viability of stem cells from human extracted deciduous teeth \(SHED\).](#) *Frontiers in Bioengineering and Biotechnology* pp.1-2
- 2016** [Observations on nudibranch behaviour patterns under laboratory conditions.](#) *Jurnal Teknologi* , 78 (11) pp.167-171
- 2016** [Cytotoxic activity of Luvunga scandens against human cancer cell lines.](#) *Jurnal Teknologi* , 78 (10) pp.153-157
- 2016** [Synthesis, Characterization and Antioxidant Activity of 2-Halobenzoyl Thiourea Bearing \$\alpha\$ - and \$\beta\$ -alanine.](#) *Chiang Mai Journal of Science* , 43 (3) pp.577-583
- 2016** [Hypoglycaemic activity of ethanolic extract of *Garcinia mangostana* Linn. in normoglycaemic and streptozotocin-induced diabetic rats.](#) *BMC Complementary and Alternative Medicine* , 16 pp.16-135
- 2016** [The mode of antimicrobial action of *Cinnamomum burmannii*'s essential oil & cinnamaldehyde.](#) *Jurnal Teknologi* , 78 (11) pp.41-47
- 2016** [Antioxidant and antimicrobial properties of *Tinospora Crispa* \(Putarwali\) stems methanolic extract.](#) *Jurnal Teknologi* , 78 (11) pp.35-40
- 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** [Fatty acids as biological markers for symbiotic bacteria in *Phyllidia varicosa* and *Phyllidiella pustulosa*.](#) *Malaysian Applied Biology* , 45 (2) pp.23-28
- 2016** [Antimicrobial alkaloids isolated from marine sponges-Minireview.](#) *Journal of Basic and Applied Research* , 2 (1) pp.1-7
- 2016** [Effect of thymol and carvacrol, the major components of *thymus capitatus* on the growth of *pseudomonas aeruginosa*.](#) *Journal of Pure and Applied Microbiology* , 10 (1) pp.367-374
- 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** [Antioxidant and antityrosinase activities of *piper maingayi* HK. essential oil.](#) *Jurnal Teknologi* , 78 (1) pp.169-174
- 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
- 2015** [Chemical composition and antibacterial activity of essential oils from three aromatic plants of the Zingiberaceae family in Malaysia.](#) *Journal of Physical Science* , 26 (1) pp.71-81
- 2015** [Antioxidant and antibacterial activities of *ruta angustifolia* extract.](#) *Jurnal Teknologi* , 77 (25) pp.101-105
- 2015** [In vitro wound healing activity of *sapium indicum* willd leaf extracts.](#) *African Journal of Traditional, Complementary and Alternative Medicines* , 12 (2) pp.126-132

- 2015** [Mechanisms of \$\alpha\$ -mangostin-induced antinociception in a rodent model.](#) Biological Research for Nursing , 17 (1) pp.68-77
- 2015** [Identification and phylogenetic inference in different molluscs nudibranch species via mitochondrial 16S rDNA.](#) Brazilian Journal of Biological Sciences , 2 (4) pp.295-302
- 2015** [The effects of different ph and salinities on growth rate and carrageenan yield of gracilaria manilaensis.](#) Jurnal Teknologi , 77 (25) pp.1-5
- 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
- 2015** [Antioxidant and antibacterial activity of Ruta Anguvstifolia extracts.](#) Jurnal Teknologi , 77 (25) pp.101-105
- 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** [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** [Cytotoxic tirucallane triterpenes from the stem of luvunga scandens.](#) Brazilian Journal of Pharmacognosy , 24 (5) pp.561-564
- 2014** [Antimicrobial activity of three hard coral species from South China Sea \(Malaysia\).](#) SYLWAN Journal , 158 (4) pp.20-25
- 2013** [Methanol extract of Melastoma malabathricum leaves exerted antioxidant and liver protective activity in rats.](#) BMC Complementary and Alternative Medicine , 13 pp.326
- 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 and chemical composition of essential oil of Malaysian Etlingera elatior \(Jack\) R.M. Smith flowers.](#) Journal of Essential Oil Bearing Plants , 16 (2) pp.294-299
- 2013** [Antimicrobial activity of mangrove plant AcrostichumSpeciosum.](#) Journal of Pure and Applied Microbiology , 7 pp.253-257
- 2013** [Isolation of pigment-producing strain of Staphylococcus kloosii from the respiratory tree of Holothuria \(Mertensiothuria\) leucospilota \(Brandt, 1835\) from Malaysian waters.](#) Tropical Life Sciences Research , 24 (1) pp.85-100

- 2013** [Hepatoprotective activity of methanolic extract of bauhinia purpurea leaves against paracetamol-induced hepatic damage in rats.](#) Evidence-Based Complementary and Alternative Medicine , 2013
- 2013** [A new sesquiterpene from Knema patentinervia.](#) Chemistry of Natural Compounds , 48 (6) pp.985-987
- 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** [Natural antioxidant contents in the seeds of four roselle Malaysian varieties and a kenaf: a comparison.](#) Journal of Herbs, Spices & Medicinal Plants , 18 pp.240-245
- 2012** [Study on antidiabetic plants cocktail containing Andrographis paniculata, Cinnamomum burmannii and Tinospora crispa.](#) Malaysian Journal of Pharmaceutical Sciences , 1 (10) pp.116
- 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** [Friedelin and lanosterol from Garcinia prainiana stimulated glucose uptake and adipocytes differentiation in 3T3-L1 adipocytes.](#) Natural Product Research , iFirst pp.1-8
- 2012** [Antimicrobial activity and essential oils of Curcuma aeruginosa, Curcuma mangga, and Zingiber cassumunar from Malaysia.](#) Asian Pacific Journal of Tropical Medicine , 5 (3) pp.202-209
- 2012** [Toxic effects of Sapium baccatum \(Ludai\) extract in rats \(Kesan toksik ekstrak Sapium baccatum \(Ludai\) ke atas tikus\).](#) Sains Malaysiana , 41 (11) pp.1423-1429
- 2011** [Antioxidant and cytotoxic activities of Calophyllum rubiginosum.](#) International Journal of Phytomedicine , 3 (2) pp.157-163
- 2011** [Free radical scavenging and antibacterial activities of Malaysian guttiferae plants.](#) Journal of Medicinal Plants Research , 5 (31) pp.6714-6718
- 2011** [Antioxidant properties of soft coral Dendronephthya sp.](#) International Journal of Pharmacology , 7 (2) pp.263-267
- 2011** [Antimicrobial activity of mangrove plant \(Lumnitzera littorea\).](#) Asian Pacific Journal of Tropical Medicine , 4 (7) pp.523-525
- 2011** [Documentation of three sponge species belong to the family of Petrosiidae.](#) Australian Journal of Basic and Applied Sciences , 5 (12) pp.1047-1053
- 2010** [Antioxidant activity of leaves of Calophyllum Rubiginosum.](#) American Journal of Applied Sciences , 7 (10) pp.1305-1309

- 2010 [Amides, triterpene and flavonoids from the leaves of Melastoma malabathricum L.](#) Journal of Natural Medicines , 64 (4) pp.492-495
- 2010 [Mangostins and their bioactivities from garcinia Malaccensis HK.F.](#) Malaysian Journal of Pharmaceutical Sciences , 8 (sup.1) pp.13
- 2010 [Antifungal and antibacterial activities of four Malaysian sponge species \(petrosiidae\).](#) Journal de Mycologie Médicale / Journal of Medical Mycology , 20 (4) pp.315-320
- 2008 [Bioactive constituents from the leaves of Melastoma Malabathricum L.](#) Jurnal Ilmiah Farmasi , 5 (1) pp.1-8
- 2007 [Anti-inflammatory action of components from Melastoma malabathricum.](#) Pharmaceutical Biology , 45 (5) pp.372-375

Conference or Workshop Item

- 2020 [Effects of co-solvent, temperature and pressure on asiaticoside content in supercritical fluid extraction of Centella Asiatica.](#) In: **3rd International Conference on Chemistry, Chemical Process and Engineering**
- 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 [Potential effect of mangosteen proanthocyanidins incorporation into self-etch adhesive on dentin bonding.](#) In: **Kuantan Research Day 2019**
- 2019 [Effects of flaxseed \(Linum usitatissimum\) extract on osteoblast differentiation potential of stem cells derived from human exfoliated deciduous teeth \(SHED\).](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [Analysis of the fatty acid composition of Caulerpa lentillifera using gas chromatography mass spectrometry.](#) In: **Kuantan Research Day 2019 (KRD 2019)**
- 2018 [Quatification of carrageenan in gracilaria cf. Manilensis \(Rhodophyta\) exposed to different salinities and PH using attenuated total reflection-fourier transform infrared spectroscopy \(ATR-FTIR\).](#) In: **International Conference of Analytical Sciences**
- 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 [Linum usitatissimum antibacterial activity on Pseudomona Aerigenosa in-vitro study.](#) In: **The International Conference on Oral Immunology & Oral Microbiology (ICOIOM) 2018**
- 2018 [Antibacterial and antioxidant activities of extracts from Calophyllum ferrugineum and Calophyllum incrassatum.](#) In: **International Conference of Analytical Sciences (SKAM31)**
- 2018 [Comparison of extraction techniques for three Calophyllum species and their antioxidant activity.](#) In: **International Conference of Analytical Sciences (SKAM31)**
- 2018 [The role of bioactive compounds from Anacardium Occidentale Linn. On alpha amylase and dipeptidyl peptidase IV as antidiabetic agent for type 2 diabetes mellitus management.](#) In: **34th International Conference on Natural Products (ICNP 2018)**
- 2018 [Actinophytocola sp. K4-08: rare actinomycete with potential biosynthetic capability.](#) In: **34th Symposium of the Malaysian Society for Microbiology 2018**
- 2017 [Best growth condition for Gracilaria Manilaensis \(rhodophyta\) under different salinities, Ph and light intensities and its type of carrageenan.](#) In: **Asian Pacific Aquaculture 2017 (APA17)**
- 2017 [Antimicrobial activities of metal-natural extract complexes.](#) In: **International Conference on Advancement in Science and Technology (iCAST 2017) - 'Transforming Future Through Plant Research'**
- 2017 [Identification and detection of bioactive compounds in Linum usitatissimum \(Flaxseed\) and its antibacterial properties against selected oral pathogens.](#) In: **6th International Conference on Advancement in Science and Technology (iCAST 2017)**
- 2017 [Study on flaxseed crude extract on stem cells from human exfoliated deciduous teeth \(SHED\).](#) In: **1st IIUM International Dental Conference 2017 in Commemoration of the Kulliyah of Dentistry 10th Anniversary (1st IIDC)**
- 2017 [Screening of fatty acid compound of S. polycystum for anti-cariogenic potential.](#) In: **1st IIUM International Dental Conference 2017 in Commemoration of the Kulliyah of Dentistry 10th Anniversary (1st IIDC)**
- 2017 [Garcinia atroviridis fruit extract alters lipid accumulation in 3T3-L1 cell line model.](#) In: **International Conference on Natural Products 2017**
- 2016 [Lipid modulation activity of garcinia atroviridis extract on 3T3-L1 cell line.](#) In: **30th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP) 2016**
- 2016 [Effects of flaxseed extract on the viability of stem cells from human exfoliated deciduous teeth.](#) In: **6th MTERMS (Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting) 2016 in conjunction with 2nd Malaysian Stem Cell Meeting**

- 2016 [The effect of particle size, methods and time of extraction on the natural antioxidant content and radical scavenging activity of Phyllanthus niruri.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [In Vitro and In Vivo wound healing studies of standardized extract of Centella asiatica.](#) In: **International Conference on Natural Products 2016 (ICNP 2016)**
- 2015 [Isolation of secondary metabolites from quercus infectoria galls and their antimicrobial activity.](#) In: **5th International Conference on Advancement in Science and Technology (iCAST 2015)**
- 2015 [Rice husk ash silica as a potential drug carrier.](#) In: **International Conference on Advancement in Science and Technology (iCAST 2015) - 'Frontiers in Biotechnology'**
- 2015 [Antioxidant and antibacterial activities of Ruta angustifolia extract .](#) In: **5th International Conference on Advancement in Science and Technology (iCAST 2015)**
- 2015 [Antioxidant and antimicrobial properties of Tinospora crispa stems methanolic extract.](#) In: **International Conference on Advancement in Science and Technology (iCAST 2015) - 'Frontiers in Biotechnology'**
- 2015 [Bioguided isolation of cytotoxic triterpenoids from the stem of luvunga scandens .](#) In: **International Conference on Natural Products 2015**
- 2015 [Antioxidant activity and cell migration effect of standardized extract of centella asiatica for wound healing properties.](#) In: **International Conference on Biomedical & Health Sciences Research (ICBHSR 2015)**
- 2015 [Protein profiles and antimicrobial activity of common Sunda Toad, Duttaphrynus melanostictus paratoid secretions.](#) In: **3rd International Conference on Biological, Chemical and Environmental Sciences (BCES-2015)**
- 2015 [The mode of antimicrobial action of Cinnamomum burmannii's essential oil & cinnamaldehyde.](#) In: **5th International Conference on Advancement in Science and Technology (iCAST 2015)**
- 2014 [Phytochemical investigation of the leaves of tetracera scandens Linn and in vitro antidiabetic activity of hypoletin.](#) In: **International Conference on Science, Technology and Social Sciences (ICSTSS) 2012**
- 2014 [Highly cytotoxic agents from luvunga scandens against human breast adenocarcinoma Cell Line \(MCF7\) .](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**
- 2014 [Antimicrobial and cytotoxicity activities of sterculia parviflora.](#) In: **International Health Conference IIUM 2014**
- 2014 [Antimicrobial study of the leaves extracts of atocarpus lanceifolius.](#) In: **International Health Conference IIUM 2014**
- 2014 [Cytotoxic activity of luvunga scandens plant on human cancer cell lines.](#) In: **1st International Conference on Industrial Pharmacy**

- 2014 [Antimicrobial and cytotoxic activities of methanol extract of anisomeles indica leaves.](#) In: **International Health Conference IIUM 2014**
- 2014 [α-Mangostin improves glucose uptake and inhibits adipocytes differentiation in 3T3-L1 cells.](#) In: **5th FIP Pharmaceutical Sciences World Congress (PSWC 2014)**
- 2014 [Cytotoxic agents from luvunga scandens human breast adenocarcinoma cell line \(MCF-7\).](#) In: **International Conference on Natural Products 2014**
- 2014 [Transcript level of an andrographolide-biosynthesis gene \(hmgr\) of Andrographis paniculata subjected to salinity treatment.](#) In: **International Conference on Advances in Plant Biochemistry and Biotechnology 2014 (APBB2014)**
- 2014 [Antiulcer potential of Sapium indium aqueous extract: Towards the development of halal pharmaceutical ingredient with gastroprotective property.](#) In: **Malaysia International Halal Research & Education Conference 2014 (MIHREC 2014)**
- 2014 [The potential of ornamental plant, Sansevieria trifasciata to inhibit the growth of harmful algal bloom species.](#) In: **International Conference on Applied Life Sciences (ICALS2014)**
- 2014 [Synthesis, characterization and antifungal activity of 4-Halobenzoylthiourea bearing α and β- Alanine.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**
- 2014 [Solvent effects on total antioxidant capacity of grains of different solvents measured by direct QUENCHER procedure.](#) In: **5th Malaysian Symposium of Biomedical Science**
- 2014 [The effect of selected Prophet's medicine on calcium oxalate crystallization: in vitro antiurolithic activity.](#) In: **5th Malaysian Symposium of Biomedical Science**
- 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)**
- 2014 [Synergistic effects of antibiotics in combination with essential oils against pathogenic bacterial strains.](#) In: **5th Malaysian Symposium of Biomedical Science**
- 2014 [Polyphenol content and antioxidant capacity in ethanolic exytracts of organic and conventional fruits \(Red apple, lady finger banana and papaya\).](#) In: **5th Malaysian Symposium of Biomedical Science**
- 2014 [In-vivo toxicity of Prophet's medicinal plant, lawsonia inermis \(henna\) leaves.](#) In: **5th Malaysian Symposium of Biomedical Science**
- 2014 [In vivo toxicity study of aqueous extracts of cymbopogon citratus \(Lemongrass\).](#) In: **5th Malaysian Symposium of Biomedical Science**
- 2014 [Synergism between antibiotics and the extract of selected Prophet medicine toward different types of bacteria.](#) In: **5th Malaysian Symposium of Biomedical Science**

- 2014 [Synergism between antibiotics and the extract of selected prophetic medicine toward different types of bacteria.](#) In: **International Health Conference IIUM Health (IHCI) 2014**
- 2014 [Synthesis, characterisation and antimicrobial activity of fluorobenzoylthioureas bearing a- and b-alanine.](#) In: **International Conference on Natural Products 2014 (ICNP 2014)**
- 2014 [Phytochemical investigation of the leaves of tetracera scandens Linn and in vitro antidiabetic activity of hypoletin.](#) In: **International Conference on Science, Technology and Social Sciences (ICSTSS) 2012**
- 2013 [Synthesis and antimicrobial activity of Halobenzoylthiourea Bearing alpha and beta alanine.](#) In: **26th Regional Symposium of Malaysia Analytical Sciences (SKAM26)**
- 2013 [Xanthones from Garcinia Malaccensis improve Glut4 aswell 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 [Gram-positive bacteria with commercial potentials from the intestines of Holothuria \(Mertensiothuria\) leucospilota \(Brandt, 1835\) \(Timun laut\) and Stichopus horrens Selenka, 1867 \(Gamat\) from Malaysia.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2013**
- 2013 [Essential oil of Thai basil: natural remedy for urolithiasis?.](#) In: **The International Conference on Islamisation in Modern Science and Scientification of the Studies in Islamic Revealed Knowledge**
- 2012 [Elucidation of Pigment Biosynthetic Pathways – Towards Integration of Metabolomics, Metabolic Flux Analysis, and Metabolic Engineering.](#) In: **2012 IIUM's 1st International Postgraduate Research Conference (IIPRC 2012)**
- 2012 [Hepatoprotective effects of methanol extract of Bauhinia purpurea leaves.](#) In: **26th Scientific Meeting of Malaysian Society of Pharmacology & Physiology**
- 2012 [Mangostins stimulate glucose uptake and inhibit adipocyte differentiation in 3T3-L1 adipocytes.](#) In: **The 24th FAPA Congress 2012**
- 2012 [Cycloartane triterpenoid as an insulin mimicking agent.](#) In: **The 24th FAPA Congress 2012**
- 2012 [Antimicrobial activity of extracts and alkaloids from callus and shoot cultures of Ruta angustifolia \(L.\) Pers.](#) In: **International Seminar on Natural Product Medicines 2012: Current Issues on Future Researchers and Applications of Natural Product Medicines**

- 2012 [In vitro evaluation of wound healing properties of fractions and extracts of *Acrostichum Aureum* Linné and *A. Speciosum* Willd.](#) In: **International Science Postgraduate Conference 2012 (ISPC 2012)**
- 2011 [Cytotoxic and antimicrobial activities of alkaloids from *tabernaemontana corymbosa*.](#) In: **5th AASP Conference**
- 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 \$\alpha\$ -mangostin from *garcinia malaccensis* Hk.f.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2011 [Antimicrobial activities of *Plumeria alba* extracts .](#) 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)**
- 2010 [Bioprospecting and economical source of chitin and chitosan: the sword shrimp *udang minyak* \(*Parapenaeopsis hardwickii*\) Malaysia.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Calophyllum canum : antibacterial and anticancer plant.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Bioassay-direct fractionation and contact bioautography technique for antimicrobial activities of marine sponge.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Phytochemical analysis and antimicrobial activity from different parts of *Plumeria alba*.](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
- 2010 [Secondary metabolites and bioactivity studies of *Garcinia griffithii* plant.](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
- 2010 [Antimicrobial compounds from *Calophyllum canum*.](#) In: **International Conference on Advancement in Science and Technology (iCAST2010): The Science of Traditional Practices in Health and Disease**
- 2010 [Bioactivities of \$\alpha\$ -mangostin from *Garcinia malaccensis* Hk.f.](#) In: **International Conference on Advancement in Science and Technology (iCAST2010): The Science of Traditional Practices in Health and Disease**
- 2010 [Effect of Malaysian anti-diabetic plant extracts on adipocyte cells.](#) In: **International Conference on Advancement in Science and Technology (iCAST2010): The Science of Traditional Practices in Health and Disease**
- 2010 [Isolation of antibacterial compounds from dichloromethane fraction of Malaysian sponges *Neopetrosiaexigua*.](#) In: **International Conference on Advancement in Science and Technology (iCAST2010): The Science of Traditional Practices in Health and Disease**

- 2010 [Growth suppression of non-small lung carcinoma cell H1299 transfected with p53 and p73B.](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
- 2010 [Potential antibacterial compounds from Malaysian Sponges Neopetrosiaexigua.](#) In: **3rd International Conference for Young Chemists 2010**
- 2010 [Growth Suppression of non-small lung carcinoma cell H1299 transfected with p53 and p73beta.](#) In: **International Conference of Advancement in Science and Technology (IIUM-iCAST 2010)**
- 2009 [Antimicrobial activities of marine sponge using bioassay-direct fractionation and contact bioauthography technique.](#) In: **Bandung International Conference on Medicinal Chemistry**
- 2009 [Antibacterial activity of extracts from Calophyllum canum.](#) In: **Makassar International Symposium on Pharmaceutical Science 2009**
- 2009 [Study of cytotoxic activities of Rubraxanthone.](#) In: **Bandung International Conference on Medicinal Chemistry**
- 2009 [Antibacterial activities of sponge and coral species collected from Malaysia sea water.](#) In: **23rd MSPP Scientific Meeting**
- 2009 [Chemical composition and antibacterial activities of essential oil of Thymus capitatus from Jordan.](#) In: **23rd MSPP Scientific Meeting**
- Book**
- 2016 [Pegaga \(Centella asiatica\).](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-442-1
- 2011 [Natural products research: basic techniques and applications.](#) IIUM Press . ISBN 9789674180744
- 2011 [Sustainable utilization of Malaysian agowaste.](#) IIUM Press . ISBN 9789674180089
- Book Section**
- 2020 [Citrus flavonoids in preventing cardiovascular diseases.](#) In: **Plant-derived Bioactives: Chemistry and Mode of Action** Springer . ISBN 978-981-15-2360-1 , pp.495-508
- 2019 [Coscinium fenestratum: a review on phytochemicals and pharmacological properties.](#) In: **Natural Bio-active Compounds Volume 2: Chemistry, Pharmacology and Health Care Practices** Springer . ISBN 978-981-13-7204-9 , pp.107-126
- 2018 [Health benefits of omega-3 in cardiovascular disease.](#) In: **Current issues in pharmacy** IIUM Press . ISBN 978-967-418-454-4 , pp.91-108
- 2018 [Antioxidant property of green tea catechins as neuroprotection in the brain.](#) In: **Current issues in pharmacy** IIUM Press . ISBN 978-967-418-454-4 , pp.109-126
- 2016 [Cell migration analysis of wound healing properties of Centella asiatica on NIH 3T3 fibroblasts.](#) In: **Pegaga (Centella asiatica)** IIUM Press . ISBN 978-967-418-442-1 , pp.33-46

- 2016 [Effects of particle size, method and duration of extraction on asiaticoside in Centella asiatica.](#) In: **Pegaga (Centella asiatica)** IIUM Press . ISBN 978-967-418-442-1 , pp.47-60
- 2016 [Effects of particle size, method and duration of extraction on asiaticoside in Centella asiatica.](#) In: **Pegaga (Centella asiatica)** IIUM Press . ISBN 978-967-418-442-1 , pp.47-60
- 2016 [Effects of particle size, method and duration of extraction on asiaticoside in Centella asiatica.](#) In: **Pegaga (Centella asiatica)** IIUM Press . ISBN 978-967-418-442-1 , pp.47-60
- 2016 [Effects of particle size, method and duration of extraction on asiaticoside in Centella asiatica.](#) In: **Pegaga (Centella asiatica)** IIUM Press . ISBN 978-967-418-442-1 , pp.47-60
- 2016 [Effects of particle size, method and duration of extraction on natural antioxidant content and free radical scavenging activity of Centella asiatica.](#) In: **Pegaga (Centella asiatica)** IIUM Press . ISBN 978-967-418-442-1 , pp.61-78
- 2016 [Formulation of medicated hydrogel film of Centella asiatica extract preparation for wound healing.](#) In: **Pegaga (Centella asiatica)** IIUM Press . ISBN 978-967-418-442-1 , pp.79-96
- 2011 [Research in natural products.](#) In: **Research Methodology in Chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.40-45
- 2011 [Methods in natural products research.](#) In: **Research Methodology in chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.46-54
- 2011 [Bioactive principle from plants .](#) In: **Research Methodology in Chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.55-61
- 2011 [Basic extraction and isolation techniques.](#) In: **Natural products research: basic techniques and applications** IIUM Press . ISBN 9789674180744 , pp.28-48
- 2011 [Spectroscopic techniques in structure determination.](#) In: **Natural products research: basic techniques and applications** IIUM Press . ISBN 9789674180744 , pp.49-100
- 2011 [Cinnamon: an opportunity to combat diabetes type 2.](#) In: **Natural products research: basic techniques and applications** IIUM Press . ISBN 9789674180744 , pp.102-131
- 2011 [Isolation of phytochemicals, antimicrobial and cytotoxic activities of Knema patentinervia.](#) In: **Natural products research: basic techniques and applications** IIUM Press . ISBN 9789674180744 , pp.133-162
- 2011 [Cytotoxicity and antimicrobial activities of alkaloid from Tabernaemontana corymbosa.](#) In: **Natural products research: basic techniques and applications** IIUM Press . ISBN 9789674180744 , pp.163-191
- 2011 [Antimicrobial activitis of Porterandia anisophylla.](#) In: **Natural products research: basic techniques and applications** IIUM Press . ISBN 9789674180744 , pp.192-203

- 2011 [Basic bioassay methods for natural products.](#) In: **Natural products research: basic techniques and applications** IIUM Press . ISBN 9789674180744 , pp.1-27
- 2011 [Determination of total phenolic content in Melastoma malabathricum's white flowers: a comparison of different extraction methods.](#) In: **Natural products research: basic techniques and applications** IIUM Press . ISBN 9789674180744 , pp.204-214
- 2011 [In vitro activities of Malaysian antidiabetic plant extracts on adipocytes cell .](#) In: **Current Issues in Pharmacy** IIUM Press . ISBN 978-967-418-019-5 , pp.238-248
- 2011 [Introduction.](#) In: **Research Methodology in Chemistry** IIUM Press . ISBN 9789674182021 , pp.37-39
- 2011 [Biotechnology potential tropical mangrove plant with special emphasis on Avicennia alba in Tanjung Lumpur, Pahang Malaysia .](#) In: **Biotechnologies towards sustainable development in Malaysia** IIUM Press . ISBN 9789674182007 , pp.154-167
- 2011 [Biological activity of natural products.](#) In: **Research Methodology in Chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.62-66
- 2011 [Standardization process and plant metabolomics in natural products research .](#) In: **Research Methodology in Chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.67-71
- 2011 [Chitin and chitosan from fresh water fish tilapia \(Oreochromis niloticus\) scale .](#) In: **Biotechnologies towards sustainable development in Malaysia** IIUM Press . ISBN 9789674182007 , pp.223-235
- 2011 [Chitin and chitosan from potential shrimps and crabs of Malaysia .](#) In: **Biotechnologies towards sustainable development in Malaysia** IIUM Press . ISBN 9789674182007 , pp.236-243
- 2011 [Extraction of chitin and chitosan from Malaysian cephalopods "Sotong mengaban" \(Sepioteuthis lessoniana\) and "Sotong jarum" \(Loligo vulgaris\) .](#) In: **Biotechnologies towards sustainable development in Malaysia** IIUM Press . ISBN 9789674182007 , pp.244-257
- 2011 [Malaysian agrofood and waste products: the value.](#) In: **Sustainable utilization of Malaysian agrowaste** IIUM Press . ISBN 9789674180089 , pp.61-101