

# DENY SUSANTI BINTI DARNIS



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
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## ACADEMIC QUALIFICATION

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

## TEACHING RESPONSIBILITIES

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

## RESEARCH PROJECTS

### 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  $\alpha$ -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  $\beta$ -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 Atroviridis* 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
- 2015 - 2019** The role of bioactive compounds from *Anacardium occidentale* (Pucuk Gajus) as antihyperglycaemic agents for the treatment of Type 2 diabetes
- 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

## PUBLICATIONS

### 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 solumbrolide 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\* wild 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)**
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