

QAMAR UDDIN AHMED



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المؤهل العلمي

- Doctor of Philosophy in Chemistry
- Master of Science (Organic Chemistry)
- Bachelor of Science (Chemistry) (Honours)

مسؤوليات التدريس

BASIC CHEMISTRY	2014/2015
BODY SYSTEM I : CARDIOVACULAR & HAEMATOLOGY	2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
BODY SYSTEM II : RESPIRATORY & URINARY SYSTEM	2011/2012 2013/2014
BODY SYSTEM III : MUSCULOSKELETAL & SENSORY ORGANS	2011/2012 2013/2014 2014/2015 2015/2016
BODY SYSTEM IV: GASTROINTESTINAL & HEPATOBILIARY SYSTEMS	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
BODY SYSTEM V : ENDOCRINE & REPRODUCTIVE SYSTEMS	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
BODY SYSTEM VI : CNS	2013/2014
FUNDAMENTALS OF MEDICINAL CHEMISTRY	2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
HERBAL MEDICINE	2009/2010
ORGANIC CHEMISTRY	2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
Organic Chemistry	2007/2008
PHARMACEUTICAL ORGANIC CHEMISTRY	2019/2020 2020/2021
PHARMACOGNOSY	2010/2011
PHARMACOLOGY OF THE PERIPHERAL NERVOUS SYSTEM	2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020

RESEARCH PROJECT 1	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
RESEARCH PROJECT 2	2014/2015 2016/2017 2017/2018 2020/2021
RESEARCH PROJECT-LITERATURE SEARCH	2012/2013 2013/2014 2015/2016 2016/2017 2018/2019
Research Project-Literature Search	2006/2007 2007/2008
Research Project-Practical I	2006/2007 2007/2008
Research Project-Practical II	2006/2007 2007/2008 2008/2009

المشاريع البحثية

In Progress

- 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
- 2018 - Present** Identification of α -Glucosidase Inhibitors from Psychotria malayana Leaf Extract using Liquid Chromatography-Mass Spectrometry-Based Metabolomics and Protein-Ligand Interaction with Molecular Docking
- 2016 - Present** Antidiabetic and antioxidant evaluations of Averrhoa bilimbi L
- 2016 - Present** Antimicrobial and antioxidant characterizations of the flowers of Eurycoma longifolia Jack
- Unknown - Present** BIOACTIVE COMPOUNDS IN TETRACERA SCANDENS EXTRACTS BY LC-QTOF-MS-BASED METABOLOMICS AND CORRELATION WITH XANTHINE OXIDASE ACTIVITY
- Unknown - Present** Molecular characterization and modification of 5,7,8-trihydroxyflavone and its chemical analogues to discover a novel antihyperglycemic agent

Completed

- 2016 - 2018** Antidiabetic and antioxidant evaluations of Averrhoa bilimbi L
- 2016 - 2018** Antidiabetic and antioxidant evaluations of Averrhoa bilimbi L
- 2015 - 2017** Pilot Scale Production of Natural Halal Skin Lightening Cream Containing Extract of Hydroxychavicol from Piper betle Leaves
- 2014 - 2018** Synthesis and Mechanistic Evaluation of Orvinol Analogues as Potential Anti-Relapse to Morphine/ Methamphetamine Dependence
- 2014 - 2017** The Effects of Nigella Sativa Oil Extract in Non-Alcoholic Steatohepatitis (NASH) Animal Model
- 2014 - 2016** Determination of in Vivo and in Vitro Antidiabetic Activity of Wogonin

- 2013 - 2018** Antidiabetic Characterization and Mechanism of Action of Wogonin in Rats
- 2012 - 2014** Toxicological Studies Of Wogonin In Diabetes Induced Experimental Animals
- 2012 - 2014** In Vitro Antidiabetic and Antioxidant activities of Elettaria cardamomum L. (cardamom), Piper cubeba L. (cubab), and Plumeria rubra L. (frangipani)
- 2011 - 2013** Assessment of Neuroprotective Effect of Nigella sativa (Black Cumin) and Murraya Koenigii (Curry Leaves) Extracts in a Two Vessel Occlusion Rat Model of Alzheimer's Disease
- 2011 - 2011** KVC PROJECT 2011: Chapter in Book (Current Issue in Pharmacy)
- 2011 - -1** KVC PROJECT 2011: Chapter in Book (Current Issue in Pharmacy)
- 2011 - 2014** RU 2011 -Isolation, primary culture and maintenance & preservation of mouse hepatocytes
- 2009 - 2013** An Exploration of antibacterial and antifungal potential of andrographis paniculata(hempedu bumi) in vitro
- 2009 - -1** Screening for Potential Natural Drugs in Malaysia Medicinal Plant Tetracera Indica Mer(Mempelas Paya)
- 2009 - 2012** Screening for potential natural drugs in Malaysia medical plant Tetracera Indica Mer(mempelas paya)
- 2009 - 2012** Screening for Potential Natural Drugs in Malaysia Medicinal Plant Tetracera Indica Mer(Mempelas Paya)
- 2008 - 2011** Screening of A Plant Tetracera Scandens Linn. For Its Chemical and Antidiabetic Activity
- 2007 - 2011** The Effects and Mechanism of Eurycoma Longifolia Jack on Sexual Functions of Diabetic Male Rats
- 2007 - 2019** Pharmacognostical Study on Piper Betle L. and Ficus Deltoidea Jack

المنشورات

Article

- 2020** [Enrichment of antibacterial compound from the stem bark of Stereospermum fimbriatum using supercritical carbon dioxide extraction.](#) Separation Science and Technology (Philadelphia) , 55 (9) pp.1656-1666
- 2020** [Medicinal potential of isoflavonoids: Polyphenols that may cure diabetes.](#) Molecules , 25
- 2020** [Investigation of \$\alpha\$ -glucosidase inhibitory metabolites from Tetracera scandens leaves by GC-MS metabolite profiling and docking studies.](#) Biomolecules , 10 (2) pp.1-18

- 2020** [Investigation of \$\alpha\$ -glucosidase inhibitory activity of tetracera scandens leaf using fourier transform infrared spectroscopy-based metabolomics.](#) Journal of Pharmacy and Allied Sciences , 12 (Supplement 2) pp.879-879
- 2020** [Gas chromatography-mass spectrometry based metabolomics to Identify the alpha glucosidase inhibitors from flesh of salacca zalacca fruits and their molecular docking studies.](#) Journal of Pharmacy & Bioallied Sciences , 12 (Supplement 2) pp.886-887
- 2020** [Determination toxic effects of Hystrix Brachyura Bezoar extracts using cancer cell lines and embryo zebrafish \(Danio rerio\) models and identification of active principles through GC-MS analysis.](#) Journal of Ethnopharmacology , 262 pp.1-13
- 2020** [Modulation of metabolic alterations of obese diabetic rats upon treatment with Salacca zalacca fruits extract using H NMR-based metabolomics.](#) Food Research International , 137
- 2020** [Isolation and characterization of novel antibacterial compound from an untapped plant, Stereospermum fimbriatum.](#) Natural Product Research , 34 (5) pp.629-637
- 2020** [Characterization of \$\alpha\$ -glucosidase inhibitors from psychotria malayana jack leaves extract using LC-MS-based multivariate data analysis and in-silico molecular docking.](#) Molecules , 25 (24)
- 2020** [Assessment of Free radical scavenging and digestive enzyme inhibitory activities of extract, fractions and isolated compounds from Tetracera macrophylla leaves.](#) Journal of Herbal Medicine , 22 pp.1-8
- 2020** [The thrombolytic and cytotoxic effects of nigella sativa \(L.\) seeds: the prophetic medicine.](#) International Journal of Halal Research , 2 (2) pp.70-77
- 2020** [In vitro adipogenic potential and glucose uptake stimulatory effect of the terpenoids isolated from Tetracera indica Merr..](#) Journal of Pharmacy and BioAllied Sciences , 12 (Supp. 2) pp.S879-S880
- 2020** [Alpha-glucosidase inhibitory effect of psychotria malayana jack leaf: A rapid analysis using infrared fingerprinting.](#) Molecules , 25 (18) pp.1-11
- 2019** [Anticancer activity of grassy Hystrix brachyura bezoar and its mechanisms of action: An in vitro and in vivo based study.](#) Biomedicine & Pharmacotherapy , 114 pp.1-13
- 2019** [Antinociceptive activity of petroleum ether fraction obtained from methanolic extract of Clinacanthus nutans leaves involves the activation of opioid receptors and NO-mediated/cGMP-independent pathway.](#) BMC Complementary and Alternative Medicine , 19 (1) pp.1-14
- 2019** [Synthesis of new isoquinoline-base-oxadiazole derivatives as potent inhibitors of thymidine phosphorylase and molecular docking study.](#) Scientific Reports , 9 (1) pp.1-11
- 2019** [Hystrix brachyura bezoar characterization, antioxidant activity screening, and anticancer activity on melanoma cells \(A375\): a preliminary study.](#) Antioxidants , 8 (2) pp.1-15
- 2019** [Synthesis of thymidine phosphorylase inhibitor based on quinoxaline derivatives and their molecular docking study.](#) Molecules , 24 (6) pp.1-18

- 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** [Antidiabetic and antioxidants activities of Clinacanthus nutans \(Burm F.\) Lindau leaves extracts.](#) International Food Research Journal , 26 (1) pp.319-327
- 2019** [Identification of \$\alpha\$ -glucosidase inhibitors from Clinacanthus nutans leaf extract using liquid chromatography-mass spectrometry-based metabolomics and protein-ligand interaction with molecular docking.](#) Journal of Pharmaceutical Analysis , 9 (2) pp.91-99
- 2019** [Evaluation of the enzyme inhibitory and antioxidant activities of Entada spiralis stem bark and isolation of the active constituents.](#) Molecules , 24 (6) pp.1-15
- 2019** [Rapid investigation of \$\alpha\$ -glucosidase inhibitory activity of Clinacanthus nutans leaf using infrared fingerprinting.](#) Vibrational Spectroscopy , 100 pp.22-29
- 2019** [A new sulphated flavone and other phytoconstituents from the leaves of Tetracera indica Merr. and their alpha-glucosidase inhibitory activity.](#) Natural Product Research , 33 (1) pp.1-8
- 2019** [Optimization of hyperglycemic induction in zebrafish and evaluation of its blood glucose level and metabolite fingerprint treated with psychotria malayana Jack Leaf extract.](#) Molecules , 24 (8) pp.1-22
- 2019** [Synthesis of chromen-4-one-oxadiazole substituted analogs as potent \$\beta\$ -glucuronidase inhibitors.](#) Molecules , 24 (8) pp.1-13
- 2019** [Characterization of \$\alpha\$ -glucosidase inhibitory activity of Tetracera scandens leaves by Fourier transform infrared spectroscopy-based metabolomics.](#) Advances in Tradisional Medicine
- 2019** [Toxicity study on Clinacanthus nutans leaf hexane fraction using Danio rerio embryos.](#) Toxicology Reports , 6 pp.1148-1154
- 2019** [The promise of zebrafish as a model of metabolic syndrome.](#) Experimental Animals , 68 (4) pp.407-416
- 2019** [\$\alpha\$ - Glucosidase inhibitory and antioxidant activities of entada spiralis ridl. \(Sintok\) stem bark extracts.](#) Pertanika - Journal of Tropical Agricultural Sciences , 42 (1) pp.139-153
- 2018** [Antiradical and xanthine oxidase inhibitory activity evaluations of Averrhoa bilimbi L. leaves and identification of bioactive constituents through LC-QTOF-MS/MS and molecular docking approach.](#) Antioxidants , 7 (10) pp.1-16
- 2018** [Characterization of \$\alpha\$ -glucosidase inhibitors from clinacanthus nutans lindau Laves by gas chromatography-mass spectrometry-based metabolomics and molecular docking simulation.](#) Molecules , 23 (9) pp.1-21
- 2018** [Enrichment, in vitro, and quantification study of antidiabetic compounds from neglected weed Mimosa pudica using supercritical CO₂ and CO₂-Soxhlet.](#) Separation Science and Technology , 53 (2) pp.243-260
- 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** [Structure, degradation, drug release and mechanical properties relationships of iron-based drug eluting scaffolds: The effects of PLGA.](#) Materials & Design , 160 pp.203-217
- 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** [Salacca zalacca: a short review of the palm botany, pharmacological uses and phytochemistry.](#) Asian Pacific Journal of Tropical Medicine , 11 (12) pp.645-652
- 2018** [Animal models and natural products to investigate in vivo and in vitro antidiabetic activity.](#) Biomedicine & Pharmacotherapy , 101 pp.833-841
- 2018** [A simple method for extracting both active oily and water soluble extract \(WSE\) from Nigella sativa \(L.\) seeds using a single solvent system.](#) Natural Product Research pp.1-6
- 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** [Low inhibition of alpha-glucosidase and xanthine oxidase activities of ethanol extract of Momordica charantia fruit.](#) Journal of Pharmaceutical Negative Results , 8 (1) pp.20-24
- 2017** [Upregulation of kappa opioid receptor system and its association with relapse to morphine/methamphetamine \(poly-drug\) addiction.](#) Research Journal of Pharmacy and Technology , 10 (12) pp.4488-4550
- 2017** [Evaluation of in vitro antidiabetic and antioxidant characterizations of Elettaria cardamomum \(L.\) Maton \(Zingiberaceae\), Piper cubeba L. f. \(Piperaceae\), and Plumeria rubra L. \(Apocynaceae\).](#) Pakistan Journal of Pharmaceutical Sciences , 30 (1) pp.113-126
- 2017** [α-glucosidase inhibitors isolated from Mimosa pudica L..](#) Natural Product Research , 33 (10) pp.1495-1499
- 2017** [Mimosa pudica L.: a comparative study via in vitro analysis and GC Q-TOF MS profiling on conventional and supercritical fluid extraction using food grade ethanol.](#) Indian Journal of Natural Products and Resources , 8 (1) pp.54-62
- 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** [Distinct role of kappa opioid receptor in attenuating relapse to morphine/methamphetamine \(polydrug\) dependence.](#) British Journal of Pharmacy , 2 (2) pp.S21-22S
- 2017** [Mimosa pudica L.: A comparative study via in vitro analysis and GC Q-TOF MS profiling on conventional and supercritical fluid extraction using food grade ethanol.](#) Indian Journal of Natural Products and Resources (IJNPR) , 8 (1) pp.54-62
- 2017** [Characterization of antioxidant activity of Momordica Charantia fruit by infrared-based fingerprinting.](#) Analytical Letters , 50 (12) pp.1977-1991

- 2017** [Antioxidant and antidiabetic effects of flavonoids: a structure-activity relationship based study.](#) BioMed Research International , 2017 pp.1-14
- 2016** [Averrhoa bilimbi Linn.: A review of its ethnomedicinal uses, phytochemistry, and pharmacology.](#) Journal of Pharmacy and Bioallied Sciences , 8 (4) pp.265-271
- 2016** [Investigation of an antidiabetic potential of a phenolic compound isolated from the leaves of mempelas paya.](#) International Medical Journal Malaysia , 15 (Supplement) pp.41-41
- 2015** [Analyses and profiling of extract and fractions of neglected weed mimosa pudica Linn. traditionally used in Southeast Asia to treat diabetes.](#) South African Journal of Botany , 99 pp.144-152
- 2015** [Design and development of a compressed air machine using a compressed air energy storage system.](#) ARPN Journal of Engineering and Applied Sciences , 10 (23) pp.17332-17336
- 2015** [Investigation of in vivo antipyretic activity of thottea dependens leaves.](#) The International Medical Journal Malaysia , 14 (2) pp.11-16
- 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** [Herbal cure for poisons and poisonous bites from Western Uttar Pradesh, India.](#) Asian Pacific Journal of Tropical Disease , 4 (Suppl1) pp.S116-S120
- 2014** [Studies on bactericidal efficacy of pumpkin \(Cucurbita moschata Duchesne\) peel.](#) Journal of Coastal Life Medicine , 2 (2) pp.146-153
- 2014** [Studies on bactericidal efficacy of pumpkin \(Cucurbita moschata Duchesne\) peel.](#) Journal of Coastal Life Medicine , 2 (2) pp.146-153
- 2014** [In vitro antibacterial efficacy of leucas cephalotes \(roth\) spreng. \(lamiaceae\) against some gram positive and gram negative human pathogens.](#) International Journal of Agricultural and Food Research , 3 (3) pp.1-9
- 2014** [Antimicrobial activity of bBanana \(Musa paradisiaca L.\) peels against food borne pathogenic microbes.](#) Journal of Pure and Applied Microbiology , 8 (5) pp.3627-3639
- 2014** [Direct and indirect antimicrobial effects of \$\alpha\$ -mangostin on pathogenic microorganisms.](#) Journal of Coastal Life Medicine , 2 (1) pp.70-75
- 2014** [Weeds as alternative useful medicinal source: Mimosa pudica Linn. on diabetes mellitus and its complications.](#) Advanced Materials Research , 995 pp.49-59
- 2014** [Antimicrobial activity of banana \(Musa paradisiaca L.\) peels against food borne pathogenic microbes.](#) Journal of Pure and Applied Microbiology , 8 (5) pp.3627-3639
- 2013** [A review on the formulation and analysis of anti-diabetic agent: Gliclazide.](#) Advanced Materials Research , 810 pp.159-172
- 2013** [Breast Self-Examination \(BSE\) and attitude towards Breast Self-Examination \(BSE\) among women: a narrative review.](#) Journal of Pharmaceutical and BioSciences , 1 (2) pp.64-75

- 2013** [In vitro antibacterial efficacy of some important traditional medicinal plants in India against Escherichia coli and Staphylococcus aureus strains.](#) Journal of Medicinal Plants Research , 7 (7) pp.329-338
- 2013** [Effect of long-term use of eurycoma longifolia jack on the pancreas in rats: histological assessment.](#) Regenerative Research , 2 (2) pp.22-25
- 2012** [Protective effect of treatment with black cumin oil on spatial cognitive functions of rats that suffered global cerebrovascular hypoperfusion.](#) Acta Neurobiologiae Experimentalis , 72 (2) pp.154-165
- 2012** [Antibacterial activity of leaves extracts of Trifolium alexandrinum Linn. against pathogenic bacteria causing tropical diseases.](#) Asian Pacific Journal of Tropical Biomedicine , 2 (3) pp.189-194
- 2012** [Antifungal activity of Andrographis paniculata extracts and active principles against skin pathogenic fungal strains in vitro.](#) Pharmaceutical Biology , 50 (7) pp.850-856
- 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
- 2011** [Antibacterial activity of cycas rumphii miq. leaves extracts against some tropical human pathogenic bacteria.](#) Research Journal of Microbiology , 6 (10) pp.761-768
- 2011** [Beneficial effect of the leaves of Murraya koenigii \(Linn.\) Spreng \(Rutaceae\) on diabetes-induced renal damage in vivo.](#) Journal of Ethnopharmacology , 135 (1) pp.88-94
- 2011** [Bioassay guided isolation of antibacterial compounds from Andrographis paniculata.](#) American Journal of Applied Sciences , 8 (6) pp.525-534
- 2011** [Bioassay guide isolation of antibacterial compounds from Andrographis paniculata.](#) American Journal of Applied Sciences , 8 (6) pp.525-534
- 2011** [Bacteriostatic and bactericidal activities of Andrographis paniculata extracts on skin disease causing pathogenic bacteria.](#) Journal of Medicinal Plants Research , 5 (1) pp.7-14
- 2011** [Antibacterial efficacy of the seed extracts of Melia azedarach against some hospital isolated human pathogenic bacterial strains.](#) Asian Pacific Journal of Tropical Biomedicine , 1 (1) pp.452-455
- 2010** [Screening for antibacterial activity of Andrographis paniculata used in Malaysian folkloric medicine: a possible alternative for the treatment of skin infections.](#) Ethnobotanical Leaflets , 14 (-) pp.445-456
- 2010** [Antibacterial efficacy of Bacopa monnieri leaf extracts against pathogenic bacteria.](#) Asian Biomedicine , 4 (4) pp.651-655.
- 2010** [Antidiabetic efficacy of methanolic extract of the leaves of Tetracera Indica Merr. \(Dilleniaceae\) in alloxan induced diabetic rats.](#) Malaysian Journal of Pharmaceutical Sciences , 8 (sup.1) pp.41
- 2010** [Anti-hyperglycemic activity of the leaves of Tetracera scandens Linn. Merr. \(Dilleniaceae\) in alloxan induced diabetic rats.](#) Journal of Ethnopharmacology , 131 (-) pp.140-145

- 2010 [Antimicrobial studies of cosmos caudatus kunth. \(Compositae\).](#) Journal of Medicinal Plants Research , 4 (8) pp.669-673
- 2010 [In-Utero effects of the crude ethanolic extract of the leaves of mitragyna speciosa on neural tube formation in rats.](#) Asian Journal of Experimental Biological Sciences , 1 (2) pp.404-408
- 2008 [Beneficial effects of Annona squamosa extract in streptozotocin-induced diabetic rats.](#) Singapore Medical Journal , 49 (10) pp.800-804
- 2006 [Antidiabetic and antioxidant activity of Annona squamosa extract in streptozotocin-induced diabetic rats.](#) Singapore Medical Journal , 47 (8) pp.670-675
- 2006 [Biochemical effects of Nigella sativa seeds in diabetic rats.](#) Indian Journal of Experimental Biology , 44 (9) pp.745-748
- 2006 [Potential antifilarial activity of the fruit, leaf and stem extracts of Melia azedarach Linn. on cattle filarial parasite Setaria cervi in vitro.](#) Oriental Pharmacy and Experimental Medicine , 6 (2) pp.144-156
- 2004 [The biflavonoids, amentoflavone degrades calf thymus DNA in the presence of copper ions.](#) Toxicology in Vitro , 18 (4) pp.435-440
- 2004 [Antifilarial activity of the extract of leaves of Mimusops elengi Linn. on Setaria cervi in vitro.](#) Journal of Veterinary Parasitology , 18 pp.121-125
- 2003 [Antifilarial potential of the root extract of the Mirabilis jalapa Linn. \(Nyctaginaceae\) on cattle filarial parasite Setaria cervi.](#) Oriental Pharmacy and Experimental Medicine , 3 (4) pp.180-186
- 2003 [Antifilarial potential of the fruits and leaves extracts of Pongamia pinnata on cattle filarial parasite Setaria cervi.](#) Phytotherapy Research , 17 (9) pp.1104-1107
- 2002 [Effect of khat, its constituents and restraint stress on free radical metabolism of rats .](#) Journal of Ethnopharmacology , 83 (3) pp.245-250
- 2002 [In vitro antifilarial potential of the flower and stem extracts of Leucas cephalotes on cattle filarial parasite Setaria cervi.](#) Journal of Natural Remedies , 2 (2) pp.155-163
- 2002 [Potential antifilarial activity of the leaves and seeds extracts of Psoralea corylifolia on cattle filarial parasite Setaria cervi.](#) Journal of Ethnopharmacology , 82 (1) pp.23-28

Conference or Workshop Item

- 2020 [In vitro adipogenic potential and glucose uptake stimulatory effect of the terpenoids isolated from Tetracera indica Merr..](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICRP 2019)**
- 2020 [Developmental toxicity evaluation of sub-CO2 extract of Phaleria macrocarpa fruit flesh in Danio rerio embryo.](#) In: **International Research Conference on Pharmaceutical and Allied Sciences**

- 2019 [A novel antibacterial compound from an untapped plant: *Stereospermum fimbriatum*](#). In: **AIMST International Pharmacy Conference (AIPC) 2019: Challenges and Opportunities in Pharmaceutical Sciences, Technology and Practice**
- 2018 [Evaluation of in vitro antidiabetic activity of selected flavonoids: structure activity relationship based study](#). In: **6th International Postgraduate Conference on Pharmaceutical Sciences 2018**
- 2018 [LC-MS-Q-TOF identification of xanthine oxidase inhibitory phytoconstituents from *Averrhoa bilimbi* leaves](#). In: **4th International Pharmaceutical Research Conference 2018**
- 2018 [The effect of methylation on the wogonin's in vitro and in silico antidiabetic activity](#). In: **4th International Pharmaceutical Research Conference 2018**
- 2018 [In vitro antidiabetic effects of flavonoids: molecular and structure-activity relationship based study](#). In: **34th International Conference on Natural Products 2018 (ICNP 2018)**
- 2017 [Enzyme inhibitory and antioxidant investigations of *Tetracera macrophylla* Vall. and *Entada spiralis* Ridl. and isolation of active principles](#). In: **Kulliyah of Pharmacy Research Symposium 2017**
- 2017 [Antioxidant effects of some selected flavonoids: a structure-activity relationship based study](#). In: **2nd International Anatomical and Biomedical Scientific Conference 2017**
- 2017 [Insilico and invitro investigations of alpha-glucosidase inhibitory activity of phenolic constituents of *tetracera indica*](#). In: **2nd International Anatomical and Biomedical Scientific Conference 2017**
- 2017 [In vitro \$\alpha\$ -glucosidase inhibitory and antioxidant activities of extract, fractions and isolated compounds from *Tetracera macrophylla* vall leaf](#). In: **University Kebangsaan Malaysia-Universiti Riau, Indonesia-Universitas Islam Indonesia-Prince of Songkla University, Thailand Joint Seminar 2017 (UKM-UR-UII-PSU Joint Seminar 2017)**
- 2017 [Ethnomedicinal survey of medicinal plants used to treat diabetes in Bangi, Selangor, Malaysia](#). In: **2nd International Anatomical and Biomedical Scientific Conference 2017**
- 2017 [Evaluation of antioxidants activity of *Momordica charantia* using LC-MS metabolomics approach](#). In: **2nd International Anatomical and Biomedical Scientific Conference 2017**
- 2017 [Bioassays activity and FT-IR analysis of *clinacanthus nutans* \(Burm F.\) lindau leaves extracts](#). In: **2nd International Anatomical and Biomedical Scientific Conference 2017**
- 2017 [Potential insulin-like and insulin-sensitizing activity on 3T3-L1 adipocytes by terpenoids isolated from *Tetracera indica*](#). In: **International Conference on Natural Products 2017 (ICNP 2017)**
- 2017 [Digestive enzymes inhibitory and antioxidant activities of *Tetracera macrophylla* Vall. Leaves extract and fractions](#). In: **National Seminar on Sustainable Environment and Healthcare**

- 2017 [Porcupine bezoar: in vitro antioxidant and anti-proliferative effects.](#) In: **2nd International Anatomical and Biomedical Scientific Conference (IABS) 2017**
- 2016 [Nigella sativa oil extracts improves dyslipidaemia in high fat diet \(HFD\) animal model.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [In vitro evaluations of anti-hyperglycemic and antioxidant activities of Entada spiralis Ridl. stem bark extracts.](#) In: **3rd Pan-Asian Biomedical Science Conference 2016 Kuala Lumpur**
- 2016 [Assessment of phytoconstituents, antioxidants, and alpha glucosidase inhibitory activities of Entada spiralis ridl. stem bark extracts.](#) In: **Proceedings Of The 14th Seminar On Medicinal & Aromatic Plants**
- 2016 [Identification of antioxidants in Momordica charantia fruit using GC-MS metabolomics approach.](#) In: **International Conference on Natural Products 2016 (ICNP 2016)**
- 2016 [Assesment of phytoconstituents, antioxidants and alpha glocosidase inhibitory activities of Entada spiralis Ridl. stem bark extracts.](#) In: **14th Seminar on Medicinal & Aromatic Plants 2016**
- 2016 [Potential of untapped local species, "Chicha" \(Stereospermum fimbriatum\), as an alternative for skin infection treatment.](#) In: **The 14th Symposium of Malaysian Society of Applied Biology (MSAB 2016)**
- 2016 [Phytochemical profile and free radical scavenging activity of Entada spiralis stem bark.](#) In: **2nd International Conference on Industrial Pharmacy (ICIP 2016):Generics and Biosimilars**
- 2016 [Flavonoids from Tetracera indica Merr. inhibit adipocyte differentiation and exert glucose uptake activities in 3T3-L1 adipocyte cells.](#) In: **Regional Conference On Science, Technology & Social Sciences 2016 (RCSTSS)**
- 2016 [Subcritical carbon dioxide extraction of stereospermum fimbriatum's stem bark and the extract's potential as an anti-dermal infection agent.](#) In: **2nd International Conference on Industrial Pharmacy (ICIP 2016)**
- 2016 [Enriched extracts of anti-diabetic compounds from neglected weed M. Pudica using supercritical and subcritical carbon dioxide extractions and the corresponding in vitro study for diabetes mellitus.](#) In: **2nd International Conference on Industrial Pharmacy (ICIP 2016)**
- 2016 [Investigation of an antidiabetic potential of a phenolic compound isolated from the leaves of mempelas paya.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [Isolation of antidiabetic compounds from tetracera Indica.](#) In: **International Conference on Natural Products 2016 (ICNP 2016)**
- 2016 [Antioxidant activities of flavonoids isolated from the leaves of Tetracera indica Merr..](#) In: **2nd International Conference on Industrial Pharmacy (ICIP 2016):Generics and Biosimilars**

- 2016 [Isolation and identification of flavonoids from *Tetracera indica* Merr. \(Dilleniaceae\) leaves.](#) In: **2nd International Conference on Industrial Pharmacy (ICIP 2016)**
- 2016 [Nigella sativa oil extracts improves dyslipidaemia in high fat diet \(HFD\) animal model.](#) In: **Medical Research Symposium & Pacific Partnership**
- 2015 [Bioactivity guided isolation of antidiabetic compounds from common weed *Mimosa pudica* L. using diabetic enzyme inhibitory assay.](#) In: **ASIAN Congress on Biotechnology 2015**
- 2015 [Phytochemical and in vitro antidiabetic investigations of stems of *Tetracera Indica* Merr., a Malaysian traditional medicinal plant.](#) In: **8th Asian Network of Research on Antidiabetic Plants (ANRAP) International Seminar 2015**
- 2014 [Multivariate calibration of fourier transform infrared spectra in predicting anti-diabetic activity of *momordica charantia* fruit.](#) In: **International Health Conference IIUM 2014**
- 2014 [In vivo and in vitro antidiabetic studies of *Pereskia bleo* leaves.](#) In: **Diabetes Asia 2014 Conference**
- 2014 [Isolation of a promising anti-diabetic agent \(5,7-dihydroxy-8-methoxyflavone\) from the leaves of Malaysian herb "*Tetracera indica*" and its in vivo toxicological studies.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**
- 2014 [A new hope to control foodborne diseases and pollution: potential antimicrobial activity of banana \(*Musa paradisiaca*\) peels against food borne pathogenic microbes.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**
- 2014 [Turning weeds into drugs: The prospect of *Mimosa pudica* for *Diabetes mellitus* in-vitro.](#) In: **1st International Conference on Industrial Pharmacy (ICIP) 2014**
- 2014 [Potential antimicrobial activity of banana \(*Musa paradisiaca*\) peels against food borne pathogenic microbes.](#) In: **International Conference on Natural Products 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**
- 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 [Isolation of a promising antidiabetic compound from the leaves of *tetracera indica merr.*, and in vivo toxicological studies in diabetes induced experimental animals.](#) In: **1st International Conference on Industrial Pharmacy (ICIP) 2014**
- 2013 [CA1 hippocampal neuronal responses to curry leaves extract treatment in rats subjected to chronic cerebral hypoperfusion : a behavioral and histopathological study .](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2013**
- 2013 [Preservation of hippocampal ultrastructural constituents with *Nigella sativa* oil treatment to rats challenged by global cerebral oligemia.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2013**

- 2012 [Effect of *Nigella sativa* on chronic cerebral hypoperfusion-induced memory and learning impairment.](#) In: **IIUM Research, Invention and Innovation Exhibition IRIIE 2012**
- 2012 [Neuroprotective effect of black cumin oil against cerebrovascular hypoperfusion induced pyramidal cell loss in rats.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2012**
- 2012 [In vitro antihyperglycemic and antioxidant potential of *elettaria cardamomum* L. Water and methanolic extracts .](#) In: **Diabetes Asia 20112 Conference & Workshop**
- 2011 [Antidiabetic efficacy of polar extracts of the leaves of *tetracera indica merr.* \(dilleniaceae\) in alloxanized rats .](#) In: **10th Continuing Professional Development (CPD) Series: Diabetic Asia 2011 Conference and Workshop**
- 2011 [Preventive effect of *nigella sativa* oil against hippocampal pyramidal cell loss induced by permanent bilateral common carotid artery occlusion in rats.](#) In: **International Health Conference IIUM 2011**
- 2011 [Isolation of 5,7-dihydroxy-8-methoxyflavone as an anti-hyperglycemic agent from the leaves of *Tetracera indica* MERR. \(Mempelas\).](#) In: **International Conference on Natural Products (ICNP 2011): Metabolomics - A New Frontier in Natural Products Science**
- 2011 [Isolation of anti-hyperglycemic agent \(WOGONIN\) from the leaves of *Tetracera indica* Merr. \(Dilleniaceae\) \(Mempelas paya\).](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2011 [Isolation and structure elucidation of two new novel flavonoids and antidiabetic activity of the leaves of *Tetracera scandens* Linn. in vivo..](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2011 [Bioassay guided isolation and antimicrobial compounds from *Andrographis paniculata* \(Hempedu Bumi\).](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2011 [Antidiabetic efficacy of polar extracts of the leaves of *Tetracera indica* Merr. \(Dilleniaceae\) in alloxanized rats. .](#) In: **10th Continuing Professional Development (CPD) Series: Diabetic Asia 2011 Conference and Workshop,**
- 2011 [Antidiabetic efficacy of polar extracts of the leaves of *Tetra cera indica* Merr.\(Dilleniaceae\) in alloxanized rats.](#) In: **Diabetes Asia 2011**
- 2011 [Mnemonic effects of Fixed Oil of Black Cumin \(*Nigella sativa*\) seeds on aged rats with memory impairment .](#) In: **Malaysia-Australia Research Colloquium on Exercise, Nutrition, Health and Wellness**
- 2011 [Preventive effect of *Nigella Sativa* oil against Hippocampal Pyramidal Cell loss induced by permanent bilateral common Carotid Artery Occlusion in rats.](#) In: **International Health Conference IIUM 2011**
- 2011 [Mnemonic effects of Fixed Oil of Black Cumin \(*Nigella sativa*\) seeds on aged rats with memory impairment.](#) In: **Malaysia-Australia Research Colloquium on Exercise, Nutrition, Health and Wellness, Park Royal Hotel, Batu Feringghi, Penang, MALAYSIA.**

- 2010 [Nephroprotective effect of the leaves of *Murraya koenigii* L. Spreng in vivo..](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
- 2010 [Anti-hyperglycemic activity of the leaves of *Tetracera scandens* Linn. \(Dilleniaceae\) in alloxan induced diabetic male albino wistar rats.](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
- 2010 [Anti-hyperglycaemic activity of the leaves of *Tetracera Scandens* Linn \(dilleniaceae\) in Alloxan induced diabetic male albino wistar rats.](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**
- 2009 [In vitro screening of *Andrographis paniculata* \(Hempedu bumi\) for antibacterial activity using disc diffusion method.](#) In: **23rd Malaysian Society of Pharmacology and Physiology Scientific (MSPP) Meeting (Theme: New Technologies for improving quality of life)**
- 2009 [Exploration of the antidiabetic potential of the leaves of *Tetracera scandens* Linn., \(Mempelas Kesar\) in alloxan induced diabetic wister rats.](#) In: **Diabetes Asia 2009 Conference**
- 2009 [Antidiabetic activity of the methanol extract of the leaves of *Tetracera scandens* Linn., in alloxan induced diabetic rats.](#) In: **National Diabetes Education Conference 2009**
- 2009 [Comparative study and antioxidant potential of some varieties of sweet potato \(*Ipomoea batatas*\) and wheat flours \(*Triticum* spp.\) of Malaysia in vitro.](#) In: **23rd MSPP Scientific Meeting**
- 2006 [Phytochemical and pharmacological investigations of Egyptian clover, *Trifolium alexandrinum* L.](#) In: **Proceedings of the International Conference on Medicinal Plants 2005**

Book

- 2018 [Current issues in pharmacy, Vol 2.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-454-4
- 2011 [Current issues in pharmacy..](#) IIUM Press . ISBN 978-967-418-019-5

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- 2018 [Mimosa pudica: a weed with medicinal importance.](#) In: **Current issues in pharmacy** IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-454-4 , pp.64-90
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- 2018 [Annona muricata: A potent anticancer plant.](#) In: **Current issues in Pharmacy** IIUM Press . ISBN 987-967-418-454-4 , pp.248-262
- 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
- 2012 [Andrographis paniculata \(Burm.f\) Wall. ex Ness: a potent antibacterial plant.](#) In: **Antibacterial Agents** InTech - Open Access Publisher, University Campus STeP Ri, Slavka Krautzeka 83/A, 51000 Rijeka, Croatia . ISBN 979-953-307-281-3 , pp.345-360
- 2012 [Andrographis paniculata \(Burm.f\) Wall. ex Ness: a potent antibacterial plant.](#) In: **Antibacterial Agents** InTech - Open Access Publisher, University Campus STeP Ri, Slavka Krautzeka 83/A, 51000 Rijeka, Croatia . ISBN 979-953-307-281-3 , pp.345-360
- 2011 [Herbs as antimicrobial remedies and the scientific evidences..](#) In: **Current Issues in Pharmacy** IIUM Press . ISBN 9789674180195 , pp.249-273
- 2011 [Metals in herbal formulations.](#) In: **Current Issues in pharmacy** IIUM Press . ISBN 9789674180195 , pp.320-332
- 2011 [Metals in herbal formulations.](#) In: **Current Issues in pharmacy** IIUM Press . ISBN 9789674180195 , pp.320-332
- 2011 [Flavonoids : future pharmaceutical agents..](#) In: **Current Issues in Pharmacy** IIUM Press . ISBN 9789674180195 , pp.333-363