

BISHA FATHAMAH BINTI UZIR



- KULLIYAH OF PHARMACY
- IIUM Kuantan Campus
- Email address:
bishafu@iium.edu.my

ACADEMIC QUALIFICATION

- Ph.D in Cancer Research
- Biochemistry
- Food Science and Nutrition

TEACHING RESPONSIBILITIES

ANTI CANCER CHEMOTHERAPY	2012/2013 2013/2014 2014/2015 2015/2016 2017/2018 2018/2019
BODY SYSTEM V : ENDOCRINE & REPRODUCTIVE SYSTEMS	2012/2013
FUNDAMENTALS OF MEDICINAL CHEMISTRY	2012/2013
HERBAL MEDICINE	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
IMMUNOLOGY	2012/2013 2016/2017 2017/2018 2018/2019 2019/2020
INTRODUCTION TO BIOMEDICAL LABORATORY SCIENCES	2012/2013 2013/2014 2014/2015 2015/2016
ISLAMIC INPUT IN PHARMACY	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
MEDICAL BIOCHEMISTRY	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
ORGANIC CHEMISTRY	2014/2015
PHARMACEUTICAL BIOTECHNOLOGY & BIOPHARMACEUTICAL	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
RESEARCH PROJECT 1	2015/2016
RESEARCH PROJECT-LITERATURE SEARCH	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020

RESEARCH PROJECTS

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
- 2019 - Present** Preparation, characterisation and cytotoxicity assay of damnacanthal-loaded polymeric nanocapsules for breast cancer therapy
- 2019 - Present** Integrated Sexual and Reproductive Health for Adolescents (ISRHeA) Module as a Strategy to Prevent Poor Sexual Health
- 2014 - Present** Effect of Standardized Extract of Clinacanthus Nutans in Hiperuricemia Induced Mice

Completed

- 2016 - 2019** Effects of Oil Palm Leaf extract on Hydrogen Peroxide Oxidative Stress in Human Umbilical Vein Endothelial Cells
- 2014 - 2016** Chemical Profiling of Momordica Charantia Possessing Alpha-Glucosidase Inhibitory Activity using GC-MS based Metabolomics
- 2014 - 2017** Effect of Standardized Extract of Clinacanthus Nutans in Hiperuricemia Induced Mice
- 2013 - 2016** Anticancer Activity and Mechanism of Actions of Arborinine, and Acridone Alkaloid from Rutaceous Species

PUBLICATIONS

Article

- 2019** [Antidiabetic and antioxidants activities of Clinacanthus nutans \(Burm F.\) Lindau leaves extracts.](#) International Food Research Journal , 26 (1) pp.319-327
- 2019** [Rapid investigation of \$\alpha\$ -glucosidase inhibitory activity of Clinacanthus nutans leaf using infrared fingerprinting.](#) Vibrational Spectroscopy , 100 pp.22-29
- 2018** [Characterization of \$\alpha\$ -glucosidase inhibitors from clinacanthus nutans lindau leaves by gas chromatography-mass spectrometry-based metabolomics and molecular docking simulation.](#) Molecules , 23 (9) pp.1-21
- 2018** [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
- 2017** [Characterization of antioxidant activity of Momordica Charantia fruit by infrared-based fingerprinting.](#) Analytical Letters , 50 (12) pp.1977-1991
- 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
- 2012** [Clinicopathological features of homologous recombination deficient epithelial ovarian cancers: sensitivity to PARP inhibitors, platinum and survival.](#) Cancer Research , 72 (22) pp.5675-5682

Conference or Workshop Item

- 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**
- 2016 [Identification of antioxidants in Momordica charantia fruit using GC-MS metabolomics approach.](#) In: **International Conference on Natural Products 2016 (ICNP 2016)**
- 2016 [Arborinine from Glycosmis Pentaphylla \(retz.\) DC induces apoptosis through activation of Caspase-3/7 in human mammary gland Adenocarcinoma \(MCF-7\) cell line.](#) In: **2nd ICIP (International Conference on Industrial Pharmacy) 2016**
- 2016 [Islamic approach in managing stress within study on perceived stress score & academic performance in continuous assessment among third year pharmacy students.](#) In: **2nd World Congress on Integration & Islamization: Focus on Medical& Health Care Sciences (2WCII 2016)**
- 2015 [Isolation, characterization and cytotoxic activity of arborinine from glycosmis pentaphylla \(Retz.\) DC. on human mammary gland adenocarcinoma \(MCF7\) cell line.](#) In: **5th International Conference on Advancement in Science and Technology (iCAST 2015)**

Book

Book Section