

ZALIKHA BINTI IBRAHIM



- KULLIYAH OF PHARMACY
- IIUM Kuantan Campus
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ACADEMIC QUALIFICATION

- Ph.D in Computational and Theoretical Chemistry
- Master of Science (Chemistry)

TEACHING RESPONSIBILITIES

ANTI-INFECTIVES AGENTS	2018/2019 2019/2020
BODY SYSTEM II : RESPIRATORY & URINARY SYSTEM	2018/2019 2019/2020
COMPUTER AIDED DRUG DESIGN AND DISCOVERY	2018/2019 2019/2020
Drug Abuse	2017/2018
FUNDAMENTALS OF MEDICINAL CHEMISTRY	2016/2017 2017/2018 2018/2019 2019/2020
ORGANIC CHEMISTRY	2016/2017 2017/2018 2018/2019
PHARMACEUTICAL ANALYSIS I	2017/2018
PHARMACOLOGY OF THE PERIPHERAL NERVOUS SYSTEM	2018/2019
RESEARCH PROJECT 1	2019/2020
RESEARCH PROJECT-LITERATURE SEARCH	2018/2019 2019/2020

RESEARCH PROJECTS

In Progress

- 2019 - Present** A Pharmacophore-based Virtual Screening Approach for Identifying Bioactive Compounds from Various Malaysian Plants As Potential Protein Arginine Deiminase IV (PAD4) Inhibitors.
- 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** Identification of new inhibitor of Protein Arginine Deiminase 4 (PAD4) by consensus docking and biological assay to treat Rheumatoid Arthritis

- 2018 - Present** Characterization of neuromuscular and cardiovascular effects of non-conventional three finger toxins from Malaysian spitting cobra (*Naja sumatrana*) venom
- 2018 - Present** Chemical analyses of various heteroatom ligands
- 2018 - Present** Identification of β -Glucosidase Inhibitors from *Psychotria malayana* Leaf Extract using Liquid Chromatography-Mass Spectrometry-Based Metabolomics and Protein-Ligand Interaction with Molecular Docking
- 2016 - Present** Isolation, Identification and Computational Studies of α -Glucosidase Inhibitors from *Clinacanthus nutans* (Burm F.) Lindau Leaves Extracts
- 2016 - Present** Isolation, Identification and Computational Studies of α -Glucosidase Inhibitors from *Clinacanthus nutans* (Burm F.) Lindau Leaves Extracts

Completed

- 2016 - 2020** Isolation, Identification and Computational Studies of α -Glucosidase Inhibitors from *Clinacanthus nutans* (Burm F.) Lindau Leaves Extracts

PUBLICATIONS

Article

- 2019** [Toxicity study on *Clinacanthus nutans* leaf hexane fraction using *Danio rerio* embryos.](#) *Toxicology Reports* , 6 pp.1148-1154
- 2019** [Cytotoxic xanthenes isolated from *calophyllum depressinervosum* and *calophyllum buxifolium* with antioxidant and cytotoxic activities.](#) *Food and Chemical Toxicology* , 133
- 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** [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** [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** [Structure-based design of peptide inhibitors for Protein Arginine Deiminase Type IV \(PAD4\).](#) *Reference Module in Life Sciences* , 2018 pp.1-12
- 2018** [Characterization of \$\alpha\$ -glucosidase inhibitors from *clinacanthus nutans* lindau llaves by gas chromatography-mass spectrometry-based metabolomics and molecular docking simulation.](#) *Molecules* , 23 (9) pp.1-21

- 2017** [Synthesis and in-vitro bioactivity evaluation of new galactose and fructose ester derivatives of 5-aminosalicylic acid.](#) Chemistry & Biodiversity , 14 (4)
pp.e1600362-1
- 2016** [In-silico identification of potential protein arginine deiminase IV \(PAD4\) inhibitors = Pengenalpastian in-silico yang berpotensi sebagai perencat protin arginina deiminase IV \(PAD4\)\).](#) Malaysian Journal of Analytical Sciences , 20 (6)
pp.1269-1277

Conference or Workshop Item

Book

Book Section