

MOHD. FAEZ BIN SHARIF



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
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ACADEMIC QUALIFICATION

- In Biotechnology (Animal Cell)
- Master of Science (Biotechnology)
- Science (Industrial Biology)

TEACHING RESPONSIBILITIES

ENVIRONMENTAL BIOTECHNOLOGY	2014/2015
ENVIRONMENTAL HEALTH	2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
ENVIRONMENTAL MICROBIOLOGY	2019/2020
FINAL YEAR PROJECT	2015/2016 2016/2017 2017/2018 2018/2019
FINAL YEAR PROJECT II	2016/2017 2017/2018 2018/2019 2019/2020
PRINCIPLES OF CELL AND TISSUE CULTURE	2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020

RESEARCH PROJECTS

In Progress

- 2019 - Present** Evaluation of exopolysaccharide from the mycelium of medicinal mushroom *Ganoderma lucidum* on postprandial hyperglycemia regulation
- 2019 - Present** Mentoring Alfaisal University SPIRIT Program Students
- 2019 - Present** In vitro propagation of *Etlingera elatior* J. (Torch ginger) via indirect regeneration
- 2019 - Present** Genotypic analysis of Catechol 2,3-Dioxygenase gene in oil clean-up crews isolated from Sungai Balok.
- 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
- 2017 - Present** Development of Effective Microbes for Decomposition Process

2017 - Present Conversion of Waste from Fish and Aquaculture Industry into Value-added Products

2017 - Present Phytomining of gold from mine wastes by *Jatropha Curcas*

2015 - Present Fungal-Assisted Composting (FAC) Approach of Organic Waste

Completed

2015 - 2018 Fungal-Assisted Composting (FAC) Approach of Organic Waste

PUBLICATIONS

Article

2018 [Molecular docking analysis of 6-paradol, Zingerone and Zerumbone against human estrogen receptor alpha \(ER \$\alpha\$ \)](#). International Journal of Integrated Engineering , 10 (6 Special Issue 2018: Data Information Engineering) pp.113-118

2018 [Indoor air quality \(IAQ\) characteristics and its microbial community identifications at two selected schools in Pahang, Malaysia: a preliminary study](#). Asian Journal Agriculture & Biology , 6 (Special Issue 2018) pp.88-96

2018 [Molecular docking and dynamics \(MD\) simulation of 6-gingerol and 6-shogaol against human estrogen receptor alpha \(ER \$\alpha\$ \)](#). International Journal of Integrated Engineering , 10 (6 Special Issue 2018: Data Information Engineering) pp.119-127

2017 [Investigation of antioxidant and antimicrobial activity of zingiber officinale roscoe oleosin on airborne pathogenic microorganisms](#). ESTEEM Academic Journal , 13 ((Special Issue)) pp.35-44

2016 [The effect of different methods and solvents on the extraction of polyphenols in ginger \(*Zingiber officinale*\)](#). Jurnal Teknologi , 78 (11-2) pp.49-54

2015 [Antihyperglycemic activity of oil palm *Elaeis guineensis* fruit extract on streptozotocin-induced diabetic rats = Aktiviti antihiperglisemik minyak ekstrak buah kelapa sawit *Elaeis guineensis* ke atas tikus diabetik Teraruh Streptozotocin](#). Jurnal Sains Kesihatan Malaysia , 13 (2) pp.37-43

2015 [Effects of oil palm \(*Elaeis guineensis*\) fruit extracts on insulin secretion from BRIN BD11 cells](#). Malaysian Journal of Nutrition , 21 (1) pp.75-82

2014 [Effects of oil palm \(*elaeis guineensis*\) fruit extracts on glucose uptake activity of muscle, adipose and liver cells](#). ASEAN Journal on Science and Technology for Development , 31 (2) pp.83-89

Conference or Workshop Item

2016 [Indoor Air Auality \(IAQ\) characteristics and microbial identific ations in two selected schools in Pahang, Malaysia](#). In: **International Conference on Environmental & Occupational Health (ICEOH 2016)**

2015 [The effect of different methods and solvents on the extraction of polyphenols in ginger \(*Zingibier officinale*\)](#). In: **International Conference on Advancement in Science and Technology (iCAST 2015) - 'Frontiers in Biotechnology'**

Book
Book Section