

NUR HAFIZAH BINTI AZIZAN



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ACADEMIC QUALIFICATION

- Doctor of Philosophy
- Master of Science (Biotechnology)
- Bachelor of Science (Biotechnology)

TEACHING RESPONSIBILITIES

CELL BIOLOGY	2018/2019 2019/2020
ENVIRONMENTAL MICROBIOLOGY	2019/2020
ENZYMOMOLOGY	2015/2016 2016/2017 2017/2018 2018/2019
FINAL YEAR PROJECT	2019/2020
FINAL YEAR PROJECT II	2019/2020
FUNDAMENTAL OF MICROBIOLOGY	2018/2019 2019/2020
INSTRUMENTATION IN BIOTECHNOLOGY RESEARCH	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
PRINCIPLES OF MICROBIOLOGY	2016/2017 2017/2018
PRINCIPLES OF CELL BIOLOGY	2015/2016 2016/2017 2017/2018

RESEARCH PROJECTS

In Progress

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|-----------------------|--|
| 2019 - Present | In vitro propagation of <i>Etlingera elatior</i> 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 <i>G. lucidum</i> as β -glucosidase inhibitors and to identify its role in the regulation of blood glucose level |
| 2017 - Present | The effect of coculture on rare actinomycete, <i>Actinophytocola</i> sp. with live/dead cells of bacteria in eliciting secondary metabolite production |

2015 - Present Over expression of Actinomycete relA and rshA genes to enhance secondary metabolite production

Completed

2015 - 2018 Over expression of Actinomycete relA and rshA genes to enhance secondary metabolite production

2010 - 2013 Study of Gene Expression Level of CMV in Capsicum annum cultivars

PUBLICATIONS

Article

- 2018** [Isolation and characterization of hydrocarbon tolerant microorganisms from marine environment.](#) International Journal of Integrated Engineering , 10 (6) pp.133-138
- 2018** [Phylogenetic study of presumptive oil-degrading microbes isolated from the North-Western tip of Pahang.](#) International Journal of Integrated Engineering , 10 (6) pp.128-132
- 2018** [Isolation and screening of biosurfactant-producing marine bacteria from Kuantan Port, Pahang, Malaysia.](#) Science Heritage Journal , 2 (2) pp.21-26
- 2018** [Science@iium.](#) science@iium pp.1-40
- 2018** [science@iium.](#) science@iium (December 2018) pp.1-40
- 2017** [Study of cucumber mosaic virus gene expression in Capsicum annum.](#) Science Heritage Journal , 1 (2) pp.29-31
- 2016** [Crude oil bioremediation by indigenous bacteria isolated from oily sludge.](#) Jurnal Teknologi , 78 (11-2) pp.61-66
- 2009** [DNA polymorphism of D1S80 locus in modern Malay sample population of Sarawak.](#) Sains Malaysiana , 38 (2) pp.143-147

Conference or Workshop Item

- 2018** [Actinophytocola sp. K4-08: rare actinomycete with potential biosynthetic capability.](#) In: **34th Symposium of the Malaysian Society for Microbiology 2018**

Book

Book Section

- 2011** [Microbial communities and water quality of aquaculture potential Penor River, Pahang, Malaysia .](#) In: **Aquaculture and the environment: Present status and future challenges** IIUM Press . ISBN 978-967-418-197-0 , pp.250-262