

TAMIL CHELVAN S/O MEENAKSHI SUNDRAM



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
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ACADEMIC QUALIFICATION

- Ph.D in Science (Plant and Environmental Sciences)

TEACHING RESPONSIBILITIES

FINAL YEAR PROJECT 2	2020/2021
HERBS AND NATURAL SUPPLEMENTS	2018/2019 2019/2020 2020/2021
INTERNSHIP	2017/2018 2018/2019 2019/2020 2020/2021
MEDICINAL PLANT PRODUCTS	2018/2019 2019/2020
PHYTOCHEMISTRY	2017/2018 2018/2019 2019/2020 2020/2021
PLANT CELL BIOLOGY	2017/2018
PLANT METABOLISM	2017/2018
PLANT NATURAL PRODUCTS	2018/2019 2019/2020 2020/2021
PLANT PROTEOMICS	2018/2019

RESEARCH PROJECTS

In Progress

2020 - Present	Kaedah Pengurusan Pembajaan dan Tanah untuk Peningkatan Hasil Halia Bentong
2019 - Present	Bengkel: Kaedah Pengurusan Tanah Untuk Penanaman Halia Bentong
2019 - Present	In vitro propagation of <i>Etlingera elatior</i> J. (Torch ginger) via indirect regeneration
2019 - Present	In Vitro (Tissue Culture) Propagation of Bentong Ginger (<i>Zingiber Officinale</i> Var. Bentong)
2018 - Present	Metabolic engineering of <i>Synechocystis</i> sp. PCC 6803 (cyanobacteria) for biosynthesis of selected steviol precursors

- 2018 - Present** - SEPARATION AND IDENTIFICATION OF BIOACTIVE COMPOUNDS FROM ANISOPHYLLEA DISTICHA USING SUPERCRITICAL FLUID METHOD
- 2018 - Present** - Metabolic engineering of *Synechocystis* sp. PCC 6803 (cyanobacteria) for biosynthesis of selected steviol precursors
- 2018 - Present** - SEPARATION AND IDENTIFICATION OF BIOACTIVE COMPOUNDS FROM ANISOPHYLLEA DISTICHA USING SUPERCRITICAL FLUID METHOD

PUBLICATIONS

Article

- 2020** [De novo transcriptome dataset of *Stevia rebaudiana* accession MS007.](#) Data in Brief , 28 pp.1-3
- 2019** [A Review of approaches in steviol glycosides synthesis.](#) International Journal of Life Sciences and Biotechnology , 2 (3) pp.145-157
- 2019** [Antioxidant and cytotoxic effects of *Curcuma mangga* and *Bosenbergia rotunda* ethanolic extracts on MCF-7 cancer cell lines.](#) Science Heritage Journal (GWS) , 3 (2) pp.10-14
- 2018** [science@iiium.](#) science@iiium (December 2018) pp.1-40
- 2018** [Biosynthesis of bioactive diterpenoids in the medicinal plant *Vitex agnus-castus*.](#) Plant Journal , 93 (5) pp.943-958
- 2018** [Science@iiium.](#) science@iiium pp.1-40

Conference or Workshop Item

- 2019** [Plant tissue culture as a tool for sustainable production of bentong ginger \(*Zingiber officinale* var. *Bentong*\) plantlets.](#) In: **Kuantan Research Day 2019**

Book

Book Section