

TAN TENG JU



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
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ACADEMIC QUALIFICATION

- Food Science & Technology
- Science Bioindustry

TEACHING RESPONSIBILITIES

BIOPROCESS I	2015/2016
FERMENTATION TECHNOLOGY	2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
FOOD BIOTECHNOLOGY	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
FOOD CHEMISTRY	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
FOOD CHEMISTRY & BIOTECHNOLOGY	2015/2016
FOOD PROCESS ENGINEERING	2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020

RESEARCH PROJECTS

In Progress

- 2018 - Present** Investigation of chemical composition and antimicrobial activity of patchouli essential oils produced by conventional methods and supercritical fluid extraction for natural food preservative
- 2018 - Present** Investigation of chemical composition and antimicrobial activity of patchouli essential oils produced by conventional methods and supercritical fluid extraction for natural food preservative
- 2014 - Present** Profiling of Bioactive Compounds in Malaysian Herbs

Completed

- 2015 - 2019** The role of bioactive compounds from *Anacardium occidentale* (Pucuk Gajus) as antihyperglycaemic agents for the treatment of Type 2 diabetes
- 2015 - 2019** The role of bioactive compounds from *Anacardium occidentale* (Pucuk Gajus) as antihyperglycaemic agents for the treatment of Type 2 diabetes

2014 - 2018 Profiling of Bioactive Compounds in Malaysian Herbs

2014 - 2019 Optimization of Operating Conditions for Supercritical Fluid Extraction of Patchouli (Pogostemon cablin) Essential Oil

PUBLICATIONS

Article

2014 [A physicochemical investigation of membrane fouling in cold microfiltration of skim milk.](#) Journal of Dairy Science , 97 (8) pp.4759-4771

Conference or Workshop Item

2015 [Effect of pressure and temperature on supercritical fluid extraction of patchouli \(Pogostemon cablin\) essential oil.](#) In: **Asian Congress on Biotechnology 2015 (ACB 2015)**

2014 [Optimization of a co2 backpulsing method for increasing the permeate flux in cold microfiltration of skim milk: a pilot-scale study.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**

Book

Book Section