

NORMAH BINTI HARON



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
- Email address: normahh@iium.edu.my

ACADEMIC QUALIFICATION

- Food Science and Technology
- Nutrition with Honours
- Health Science (Nutrition)

TEACHING RESPONSIBILITIES

ANALYTICAL METHODS FOR FUNCTIONAL FOODS AND NUTRACEUTICALS	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
CHEMISTRY & BIOCHEMISTRY OF NATURAL PRODUCTS	2014/2015 2015/2016
CHEMISTRY AND BIOCHEMISTRY OF NATURAL PRODUCTS	2015/2016 2016/2017
FOOD BIOTECHNOLOGY	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
FOOD CHEMISTRY & BIOTECHNOLOGY	2015/2016
FOOD TOXICOLOGY AND ASSESSMENT	2018/2019 2019/2020
FOOD, NUTRITION AND HEALTH	2014/2015 2015/2016 2016/2017 2018/2019 2019/2020
OCEANOGRAPHY	2015/2016

RESEARCH PROJECTS

In Progress

- | | |
|-----------------------|---|
| 2019 - Present | Mechanism of action of polyphenols in the cashew shoots (<i>Anacardium occidentale</i>) extracts in inhibiting DPP-IV and α -amylase in vitro as a potential agent for type 2 diabetes mellitus. |
| 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 |

2016 - Present Investigation Of Insulin-like Protein Of Some Malaysia Medicinal Plants For Diabetes Mellitus Treatment

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

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

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

2015 - 2019 Profiling the phenolic compounds and their antioxidants properties in selected aromatic plants in Malaysia

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

- 2019** [The effect of bioactive polyphenols from *anacardium occidentale* linn. Leaves on \$\alpha\$ -amylase and dipeptidyl peptidase iv activities.](#) Indonesia Journal of Chemistry
- 2019** [Phenolic profiling of selected herbal plants: free, soluble bound and insoluble bound phenolics and their antioxidant activities.](#) Advances in Bioresearch , 10 (1) pp.9-15
- 2019** [Total phenolic contents and antioxidant scavenging capacity in free and bound extracts of *Christia vespertilionis* \(daun rerama\).](#) International Journal of Allied Health Sciences , 3 (2) pp.649-657
- 2019** [Total phenolic content and antioxidant activity of roselle \(*Hibiscus sabdariffa*\) extracts.](#) International Journal of Allied Health Sciences , 3 (2) pp.725-733
- 2019** [Antimicrobial Properties of *gynura procumbens* \(Sambung Nyawa\) leaves In methanolic and acidic extracts.](#) INTERNATIONAL JOURNAL OF ALLIED HEALTH SCIENCES , 3 (2) pp.605-615
- 2019** [Antioxidant capacity of the green leafy vegetables using oxygen radical antioxidant capacity \(ORAC\), 2,2'-Azino-Bis \(3-Ethylbenzothiazoline-6-Sulphonic Acid \(ABTS\) and 2,2-Diphenyl-1-Picrylhydrazyl \(DPPH\) assays.](#) Science Heritage Journal (GWS) , 3 (1) pp.1-7
- 2018** [Quantitative protein expression of Malaysian *Phaleriamacrocarpa*.](#) International Journal of Advances in Science Engineering and Technology , 1 , 6 (2) pp.18-22

2016 [Extraction optimization and properties of collagen from chicken \(Gallus gallus domesticus\) feet.](#) International Medical Journal Malaysia (IMJM) , 15 (Supplement issue) pp.37

2008 [Antioxidants intake and status, and oxidative stress in relation to breast cancer risks: a case-control study.](#) Asian Pacific Journal of Cancer Prevention , 9 pp.343-350

Conference or Workshop Item

2018 [The role of bioactive compounds from Anacardium Occidentale Linn. On alpha amylase and dipeptidyl peptidase IV as antidiabetic agent for type 2 diabetes mellitus management.](#) In: **34th International Conference on Natural Products (ICNP 2018)**

2018 [Quantification of phenolic compounds in selected herbs using HPLC.](#) In: **34th International Conference on Natural Products 2018 (ICNP 2018)**

2018 [Quantitative protein expression of Malaysian Phaleria macrocarpa.](#) In: **151st IIER International Conference**

2016 [Extraction optimization and properties of collagen from chicken \(Gallus gallus domesticus\) feet.](#) In: **Medical Research Symposium (MRS) and Pacific Partnership in Conjunction with Kuantan Research Day 2016**

2016 [Quantification of total phenolic contents and their antioxidant scavenging capacity in selected herbs extract.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**

2016 [Antibacterial activities of protein extracts from Andrographis paniculata, Tinospora crispa and Centella asiatica.](#) In: **Medical Research Symposium and Pacific Partnership in conjunction with Kuantan Research Day**

2016 [Protein profilong of chicken breast muscle from different slaughter houses in relation to meat quality.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**

2016 [Antibacterial activities of protein extracts from andrographis paniculata, tinospora crispa and centella asiatica.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**

2015 [Development of LC/MS-MS method for analysis of polyphenols in Malaysian traditional vegetables .](#) In: **Asian Congress on Biotechnology 2015**

Book Book Section