



# FAUZIAH TUFAIL AHMAD

Dr.

## EDUCATION



BSc (UPM)

MSc.(UKM)

PhD. (The University of Adelaide)

## CONTACT

Office : +(609) 668 4993

Mobile : +(013) 9322273

Fax : +(609) 668 4949

e-mail : fauziah.tufail@umt.edu.my

## EXPERTISE

### Field

Food Science and Technology

### Expertise

Phytochemistry

Food Microbiology

Postharvest Technology

### Specialization

Antioxidant

Antimicrobiology



\*QR code ini hendaklah diperolehi sendiri oleh staf akademik secara percuma di <https://www.qr-code-generator.com> kemudian link dengan

## RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the bioactive compound which most naturally exist in plant and industrial waste. Most of these compounds specifically antioxidant normally related with antimicrobial properties. Both of these properties are really beneficial to develop natural preservative in food products. Current preservative used in food industry are mostly synthetic and potential to have side effect to health. Most of the beneficial compounds are reported higher in waste compared to edible flesh. In addition to that, the level of the properties are closely related with the intensity of pigments. That's lead to my current research which mostly studies on the application of the selected plant compound into other products. The potential usage of most of the waste have been successfully tested into other products to delay the spoilage and also reduce post harvest loss. Besides, the potential of the selected waste have been tested beneficial as animal feed and also protect the plant from disease. However, most of the natural active compound are not stable in uncontrolled condition. Conducting this research and its application are complicated due to many uncontrolled factors in the surrounding. Therefore, serial laboratory work on the stability study on these active compounds is currently done. The current research also done to explore the relation between antioxidant and antimicrobial properties with the degradation of protein. All of these approach are expected could help a lot of stakeholders especially the local community.

## PROFESSIONAL MEMBERSHIP

- 🕒 Malaysian Natural Product Society
- 🕒 Malaysian Society for Microbiology
- 🕒 Organization for Women in Science for the Developing World

## NETWORKING & RESEARCH COLLABORATION

- 🕒 The University of Adelaide
- 🕒 Universiti Kebangsaan Malaysia
- 🕒 Universite de Lorraine
- 🕒 Pusat Tunas Stevia Jabi

## PUBLICATION

- 🕒 Scopus ID : 56817153500
- 🕒 Research gate : Fauziah Ahmad
- 🕒 Google Scholar : Ahmad FT