



NORIZAH MHD SARBON

Dr.

EDUCATION



BSc (UPM)



MSc. (UiTM)



PhD. (United Kingdom)

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EXPERTISE

Field

Food Science

Expertise

Food Biochemistry

Specialization

Alternative gelatin/collagen
Biodegradable films
Bioactive peptide
Honey characterization

RESEARCH CONTRIBUTION & ACHIEVEMENT

My area of specialization are involving investigation on under-utilized fish species and fishery by-products on the nutritional quality of low-value fish including production and characterization of alternative gelatin and collagen from fish skin, bone and frame and their used in food; investigation on the effect of bioactive peptides and proteins from value added product of under-utilized fish species and fishery by-products on nutritional and functional properties of food; and development of biodegradable films extracted from alternative gelatin and collagen. This research will reduce the environmental problems caused by non-degradable plastic food packaging by producing the biodegradable food packaging films from renewable sources. In addition to that, my study also exploring the changes on physico-chemical properties of Malaysia honey as affected by food processing.

The outcomes of my research has been presented and published in many papers on alternative gelatin production, bioactive peptide from food protein sources, food gel rheology, protein-protein interaction, and biodegradable gelatin film at various international and national refereed journals, symposiums and conferences. Recently I had won Gold Award in British Invention Show, in London. I had invented four products and received 2 Gold and 2 Silver Awards for International Innovation & Technology Exhibition such as International Invention, Innovation & Technology Exhibition (ITEX) in ITEX 2005; 2013; 2014 and 2015 respectively. Besides, I am also received 1 Gold Award in 2012, 3 Gold Awards in 2013, 1 Gold Award in 2014 and 1 Bronze Award in 2015 for my research at university level for Inovasi@UMT. In 2017, I received 2 Bronze model for Minggu Penyelidikan dan Inovasi '17 and also 2 awards for Best Poster Presentation in my research at National (2004) and International (2013) level.

PROFESSIONAL MEMBERSHIP

- American Chemical Society
- Malaysia Board of Technologists (MBOT)
- The Malaysian Institute Food and Technology

NETWORKING & RESEARCH COLLABORATION

- University of Surrey, United Kingdom
- Universiti Kuala Lumpur (MICET), Melaka
- Universiti Sains Malaysia
- Universiti Putra Malaysia

PUBLICATION

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- Google Scholar: <https://scholar.google.com/citations?user=Ur4jYmIAAAA&hl=en>

