



# AMIZA MAT AMIN

Associate Professor Dr.

## EDUCATION



BTech.(Food)(USM)



PhD. (Leeds)

## CONTACT

Office : +(609) 668 4975/5170  
Mobile : +(019) 914 3489  
Fax : +(609) 668 4949  
e-mail : ama@umt.edu.my

## EXPERTISE

### Field

Food Science and Technology

### Expertise

Food Chemistry/Biochemistry

### Specialization

Food Proteins



## RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on understanding structure and function of food commodities/proteins as well as exploring value added products from food commodities/proteins. My research endeavour started with a PhD project entitled "The stability of digestive enzymes from Atlantic cod (*Gadus morhua*)". I have completed 18 research grants as project leader and 15 research grants as co-researcher. I was involved in many research projects such as flavour from legumes and yeast extract and flatus factor and ripening enzymes from jackfruit var Mastura. Besides, I also studied on durian lectin, gum, flour from durian seed as well as fermented durian pulp. My completed grant on pumpkin focusing on pumpkin flour and developing low glycemic index products. For the last 12 years, my research focus is on aquatic food protein hydrolysates, whereby it involves optimization of enzymatic protein hydrolysis condition to achieve certain target, purification of the bioactive peptide of interest, studying the structure and function of the bioactive peptide of interest and comparing its function with the synthetic amino acid. Among the food protein hydrolyate studied were from cobia, silver catfish, blood cockle and mud crab. Besides, gelatin and gelatin film from cobia skin were also studied. I am also involved with community project grants on pumpkin products, fish sausage, certification of safe and healthy café, aquapolitan project and currently on Terengganu sweet melon. I have published 28 journal articles, 1 book, 3 chapters in book and 32 proceedings articles. My participation in research and innovation competition has resulted in 3 gold medals and 2 silver medals at international level, 1 silver medals and 4 bronze medals at national level and 3 gold medals at institutional level.

## PROFESSIONAL MEMBERSHIP

- 🕒 Malaysian Institute of Food Technology
- 🕒 Malaysian Board of Technologists

## NETWORKING & RESEARCH COLLABORATION

- 🕒 University of Leeds, UK
- 🕒 Fisheries Research Institute, Penang
- 🕒 Universiti Sains Malaysia, Penang
- 🕒 Chittagong Veterinary and Animal Sciences University

## PUBLICATION

- 🕒 Scopus ID : 54972520800
- 🕒 Researchgate : Amiza Mat Amin
- 🕒 Google Scholar : Amiza Mat Amin