



TUAN ZAINAZOR TUAN CHILEK

Dr.

EDUCATION



Dip. (UITM)



BSc, MSc., PhD. (UPM)

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EXPERTISE

Field

Food Science
& Technology

Expertise

Food Safety

Specialization

Food Safety
Food Microbiology
Molecular Biology



RESEARCH CONTRIBUTION & ACHIEVEMENT

Food safety is my research interest that focused on food microbiology, food sanitation and food safety regulations. This research area covers risk assessment of microbiological hazards in foods, including foodborne pathogens and enteric viruses. Conventional and new technique approaches are used in detecting of microbiological hazards. Quantitative and qualitative models to food safety risk analysis is conducted in evaluating of food products throughout food supply chain concept. A research member of the Risk Assessment team on *Vibrio parahaemolyticus* in Tiger prawn in Malaysia (under the Ministry of Health, Malaysia to support the export of Tiger prawn due to rejection by certain European Union member countries). A study on Emerging Food Safety Problems in Aquaculture is also included in my research area. Microbiological profile of Ready-To-Eat food and other food products also discovered in my study. Understanding of microbiology and food-borne illnesses, especially in the investigation of food poisoning and outbreaks is required a fast and reliable results. Currently, I also involved in Horseshoe Crab Research Group (developing of feeding pallets) and Stingless Bee Honey Research Group (microbiological contamination of Stingless Bee Honey). I also lead a research grant (microbiological contamination of peel blood cockles) and as co-researcher for the fermented fish product. Other research interests are the development and validation studies on methods for the detection of pathogens, developed and implemented food safety training, food safety audits, food safety and sanitation standards, Accreditation of Laboratory Testing for microbiology and implementation of GMP and HACCP systems in the food industry. I also become a consultant for various food industry, especially Small Medium Enterprise (SME). I am committed to apply the results of the research in the real world system.

PROFESSIONAL MEMBERSHIP

- 🕒 Malaysian Institute of Food Technology

NETWORKING & RESEARCH COLLABORATION

- 🕒 Ministry of Health Malaysia, Malaysia
- 🕒 Universiti Putra Malaysia, Malaysia
- 🕒 Universiti Malaya, Malaysia
- 🕒 Universiti Teknologi MARA, Malaysia
- 🕒 Universiti Malaysia Sarawak, Malaysia
- 🕒 Universiti Sultan Mizan Zainal Abidin, Malaysia
- 🕒 Universiti Selangor, Malaysia
- 🕒 Universitas Andalas, Padang, Indonesia
- 🕒 CVASU, Chittagong, Bangladesh
- 🕒 Chiang Mai University, Chiang Mai, Thailand
- 🕒 Prince of Songkla University, Songkla, Thailand

PUBLICATION

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