



AZLIN SHAFRINA HASIM,

Dr.

EDUCATION



University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

BSc. (UTM)

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EXPERTISE

Field

Food Science/Food Technology

Expertise

Food Security

Food Packaging

Specialization

Smart packaging

Antimicrobial packaging

Shelf-life study

Nanotechnology

RESEARCH CONTRIBUTION & ACHIEVEMENT

My primary research interest focused on the development of smart packaging systems and nanotechnologies. In particular, smart packaging, microbiological assessment and physicochemical changes of raw or processed food products, food quality enhancement, rheological and textural properties of foods, particularly how process conditions affect structure and resulting properties, with the aim to maintain the sensory and improve in terms of food safety and shelf-life. Other research interests I have explored in the past few years were related to nanotechnology focused on producing and utilizing metal and food-derived nanoparticles for use in smart packaging materials and the use of nanoparticles/nanomaterials in food packaging applications. Applications of polymer processing techniques to food systems and development/use of bio-based plastics as alternatives to petroleum-based plastics.

PROFESSIONAL MEMBERSHIP

- ⌚ European Federation of Food Science and Technology (EFFoST)

NETWORKING & RESEARCH COLLABORATION

- ⌚ University College Cork, Ireland
- ⌚ McGill University, Canada
- ⌚ Malaysian Agricultural Research and Development Institute (MARDI)
- ⌚ University Teknologi MARA

PUBLICATION

- ⌚ Scopus ID : 56523199000
- ⌚ Researchgate : Azlin-Hasim, S.
- ⌚ Google Scholar : Azlin-Hasim

