



MOHAMAD KHAIRI MOHD ZAINOL

Dr.

EDUCATION



BSTM (UPM)

MSc. (UPM)

PhD. (University of Nottingham)

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EXPERTISE

Field

Food Science and Technology

Expertise

Food biochemistry and biophysics

Specialization

Food Antioxidants
Protein-ligand interaction



RESEARCH CONTRIBUTION & ACHIEVEMENT

My research career started in the field of food analysis, during which I learnt a range of analytical skills. My research interest focuses on answering the problems of utilizing natural antioxidants, as well as understand the role of protein interaction in food the food science and technology. It requires detail understanding of plants antioxidants and proteomics of the protein of interest which enables their specific functions. Extraction, characterization and measurement of the compound and activities and capabilities are crucial in the research as they involved the isolation of metabolites from plant tissue for their identification and the development of assays for their quantification. Therefore laboratory validation of the antioxidants or protein response to various storage parameters has expanded greatly due to the development of high-throughput experimental methodologies. I have also developed interests in ultrasonic spray drying technique that could extract antioxidant at low temperature without the use of organic solvents.

PROFESSIONAL MEMBERSHIP

- 🕒 Malaysian Institute of Food Technology
- 🕒 Malaysian Nutrition Society
- 🕒 Malaysian Society for Biochemistry and Molecular Biology
- 🕒 Persatuan Sains Analisis Malaysia (ANALIS)

NETWORKING & RESEARCH COLLABORATION

- 🕒 University of Nottingham, UK
- 🕒 Universiti Putra Malaysia
- 🕒 Universiti Malaysia Sabah
- 🕒 Universitas Padjajaran, Indonesia

PUBLICATION

- 🕒 Scopus ID : 6506374072
- 🕒 Researchgate : Khairi Zainol
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