

KHOZIRAH SHAARI
Ph.D. (University of Strathclyde)

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**EXPERTISE**

Natural Products Chemistry, Metabolomics, Organic Chemistry, Synthesis and Medicinal Chemistry

Khozirah Shaari is a Professor in Organic Chemistry, presently an academic and researcher at the Department of Chemistry, Faculty of Science, Universiti Putra Malaysia. She received her first degree in 1984 from University of Swansea in Wales with BSc (Hons.) in Chemistry, and went on to obtain an MSc from University Malaya in 1988. She began her career as a Research Officer at the Forest Research Institute of Malaysia (FRIM) during which time she further obtained a PhD (1994) in Phytochemistry from University of Strathclyde, Glasgow, Scotland. Following a career change, she became a Faculty member at her present affiliation, in the year 2001. She was promoted to a full Professor in 2011. Being an active researcher, she was associated with Institute Bioscience where she contributed greatly to the establishment of research activities and facilities of the Laboratory of Natural Products (LNS). Chemical Identification and Standardization Program. In management, she contributed as the Deputy Head and Head of UPM's Research Management Centre (RMC) during the period of 2011-2016. Recently she was appointed as the Head of Laboratory for LNS for the 2017-2020 term. Prof Khozirah has secured more than RM 15 million of research grants, published over 200 peer-reviewed papers and has supervised and co-supervised more than 20 PhD and 40 MSc postgraduate students.

CURRENT RESEARCH INTERESTS:

- Drug discovery research (based on plant natural products and other biological resources), chemical derivatization and synthesis of analogues, structure-activity-relationships (SAR) and mechanism studies of bioactive compounds
- NMR- and LCMS-based metabolomics analysis of botanical and natural product extracts and biofluids (relevant to agricultural and health uses)
- Standardization and quality control research on plant-based products (eg herbs, herbal products, phytomedicines)
- Comprehensive plant metabolite profiling, chemotaxonomy and mapping molecular networks in plants
- Extraction and purification technologies of fine chemicals from botanical sources.

LINK TO POSTGRADUATE FIELD OF STUDY:

Natural products chemistry, Phytochemistry, Metabolomics, Organic Chemistry, Medicinal Chemistry, Analytical Chemistry, Biotherapeutics

ADDITIONAL INFORMATION:

https://www.researchgate.net/profile/Khozirah_Shaari