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**EXPERTISE**

Analytical Chemistry (Sample preparation technique and separation)

Dr. Sazlinda Kamaruzaman received her PhD in analytical chemistry from Universiti Teknologi Malaysia (UTM) in the year of 2014 under the supervision of Prof. Dr. Mohd Marsin Sanagi. Her current research interests are towards the preparation and characterization of inorganic and polymer adsorbents and their application in microextraction techniques. She is also interested in separation of organic pollutants in environmental and biological samples by using chromatography techniques. Currently, she is also involved in studying trace metal analysis by utilizing biodegradable adsorbents. Major sponsor of Dr. Sazlinda's works are the IPM grant scheme from UPM (formerly known as the Re-search University Grant Scheme (RUGS) and Fundamental Research Grant Scheme from MOHE.

CURRENT RESEARCH INTEREST :**• Sample Preparation**

In-house microextraction techniques for the extraction of organic pollutants and heavy metals. (Micro solid phase extraction, dispersive solid phase extraction, dispersive liquid-liquid microextraction).

• Chromatography

Determination of organic pollutants by using microextraction techniques and coupling with chromatography techniques. Separation of organic pollutants by using gas-chromatography (GC) and high performance liquid chromatography (HPLC).

• Environmental Chemistry (Trace metal analysis)

Synthesis and characterization of biodegradable adsorbent for removal of heavy metals in environmental samples.

LINK TO POSTGRADUATE FIELD OF STUDY:

Analytical Chemistry, Separation, Chromatography, Sample Preparation, Environmental Chemistry

ADDITIONAL INFORMATION: