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EXPERTISE

Coastal Ecochemistry/ Isotopes Ecology

Dr. Syaizwan Zahmir Zulkifli is currently a senior lecturer at the Department of Biology, Faculty of Science (UPM). His area of expertise is in the ecotoxicology and coastal ecosystem ecochemistry, with a specialty in isotope ecology. His focal research interest is in bioaccumulation and mobility of notable pollutants in environment and organisms involved in a foodweb of coastal ecosystem. Isotopic "fingerprint" is integrated in the researches to enhance understanding on exact pathway and mechanisms involved in pollutants transfer and bioaccumulation. Dr. Syaizwan has been awarded with a few research grants, particularly from the Malaysia Ministry of Higher Education (MOHE) for the Fundamental Research Grant Scheme (FRGS), and the Research University Grant Scheme (RUGS) to initiate and conduct researches on his subject matter. Apart of that, he is also involved as a co-researcher in researches granted under the Exploratory Research Grant Scheme (ERGS) from MOHE, the eScienceFund from the Malaysia Ministry of Science, Technology and Innovation (MOSTI) and JSPS ACOE Program from Japan Society for the Promotion of Sciences.

CURRENT RESEARCH INTEREST:

Current research has been focusing on the bioaccumulation and mobility of trace metals in the environment and organisms involved in a selected food chain by incorporating isotopic "fingerprint" approach. The mechanisms and bioaccumulation route will be better recognized. The outcome of these researches will hopefully useful for national/ regional agenda in sustainable management and protection of natural environment, especially the protected and eco-logically sensitive coastal areas.

LINK TO POSTGRADUATE FIELD OF STUDY:

ADDITIONAL INFORMATION: