

**SHAMARINA SHOHAIMI****Ph.D. (University of Cambridge)**

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**EXPERTISE**

Epidemiology and Biostatistics

Associate Prof. Dr. Shamarina Shohaimi research interests are cardiovascular epidemiology and statistical methods in biology which include identifying individuals at risk of cardiovascular diseases, developing models of determinants and validation studies. Research on statistical methods is centered on design of experiments and surveys along with data handling while biostatistical analyses in epidemiological studies have focused on multilevel modeling in particular those related to determinants of cardiovascular diseases.

**CURRENT RESEARCH INTEREST:**

Quantifying risk factors of dengue and multivariate analysis of ecological data. This involves investigating the relationships between variables in a community in order to determine the assemblage structure. Using ordination methods such as canonical correspondence analysis (CCA), one is able to describe more than just the richness and diversity of the species. Multivariate analysis of ecological data describes the variation of communities with environmental conditions which helps identify which species are associated with which environmental variable. Current research includes determining the relationship between environmental variables with fish assemblages using CCA and identifying the risk factors of dengue using structural equation modeling (SEM) and Bayesian Networks.

**LINK TO POSTGRADUATE FIELD OF STUDY:**

Biodiversity and Conservation of Natural Resources, Ecology,

Physiology **ADDITIONAL INFORMATION:**

<http://profile.upm.edu.my/shamarina/profail.html>