



# SHAMSUL BAHRI BIN ABD RAZAK

Associate Professor

## EDUCATION



BSc (UKM)

MSc.& PhD. (Durham University)

## CONTACT

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## EXPERTISE

### Field

Agriculture

### Expertise

Botany

### Specialization

Stingless bee behaviour

Hevea biology

Microscopy techniques

## RESEARCH CONTRIBUTION & ACHIEVEMENT

My current research interest focuses on the Indo-Malayan Stingless bee (kelulut) morphology, taxonomy, behaviour and their economic contribution in agriculture and community wellbeing. Several scientific Kelulut Expeditions throughout Malaysia and several neighbouring countries (Cambodia, Indonesia and Thailand) were conducted to catalogue stingless bee specimens. A stingless bee life museum was established in Sekayu that boasted 25 species from the Indo-Malayan Stingless bee clade –the only stingless bee living museum in the world. In order to understand the role of stingless bee in agriculture, palynology study was conducted where pollen from stingless bee foragers were studied. Pollen profile and pollen calendar from various locations in Terengganu were documented. Several community-based projects that involved single mother community and the underprivileged to boost their socioeconomic status had been carried out successfully. Project such as the integration of stingless bee in stevia farming with single mothers in Besut, Terengganu produces a premium stingless bee honey (a designer honey) that has been scientifically proven infused with a bioactive ingredient - stevioside. This innovative approach won several national accolades. Stingless bee is also being used as a vehicle to assist rubber smallholders in Malaysia to supplement their income (the integration of stingless bee in rubber smallholdings).

## PROFESSIONAL MEMBERSHIP

- ⌚ Microscopy Society Malaysia (MSM)
- ⌚ Malaysian Society of Plant Physiology (MSPP)
- ⌚ National Geographic Society
- ⌚ Malaysian Association of Research Scientist (MARS)

## NETWORKING & RESEARCH COLLABORATION

- ⌚ Queensland University, Australia
- ⌚ Kazakh Research Institute for Plant Protection and Quarantine, Kazakhstan

## PUBLICATION

- ⌚ Scopus ID : 18042224100
- ⌚ Researchgate : Shamsul Bahri Abd Razak
- ⌚ Google Scholar : Shamsul Bahri Abd Razak

