

13 UCSI University researchers receive **The Fundamental Research Grant Scheme (FRGS)** in a total of **RM1.53 million** funded by the Ministry of Higher Education (MOHE)



**Assistant Professor Dr Pui Liew Phing**

*Faculty of Applied Sciences*

**Co-researchers**

- Associate Professor Dr Nyam Kar Lin (Co-PI, UCSI)
- Professor Dr Lai Oi Ming (Universiti Putra Malaysia)
- Assistant Professor Dr Yam Hok Chai (UCSI)
- Professor Dr Degraeve Pascal (Universite Claude Bernard Lyon 1)

**Project Title**

Elucidation of the inhibition mechanism and release kinetics of nanoemulsified Polygonum minus Huds. essential oil for functional food packaging

**Funding Approved (RM) 172,800.00**



**Assistant Professor Dr Serene Tung En Hui**

*Faculty of Applied Sciences*

**Co-researchers**

- Assistant Prof Dr Satvinder Kaur A/P Nachatar Singh (Co-PI, UCSI)
- Associate Prof Dr Gan Wan Ying (Universiti Putra Malaysia)
- Dr Nik Norasma Binti Che'Ya (Universiti Putra Malaysia)

**Project Title**

Food insecurity, malnutrition and climate/weather variability among urban poor adolescents living in Kuala Lumpur, Malaysia.

**Funding Approved (RM) 131,650.00**



**Dr Vaidehi Ulaganathan**

*Faculty of Applied Sciences*

**Co-researchers**

- Dr Shashikala Sivapathy (Co-PI, UCSI)
- Professor Dr Zalilah Mohd Sharif (Universiti Putra Malaysia)
- Associate Professor Dr Lailatul Muniroh (Airlangga University)
- Adibah Zakaria (Pejabat Kesihatan Daerah Hulu Langat)

**Project Title**

Psychometric properties of Salt@home and Salt@shopping approaches for investigating dietary salt consumption and sources in the diets of urban-poor Malaysian population

**Funding Approved (RM) 127,000.00**



**Associate Professor Dr Ng Hui Suan**

*Faculty of Applied Sciences*

**Co-researchers**

- Associate Professor Dr Yim Hip Seng (Co-PI, UCSI)
- Assistant Professor Stephanie Wong Yoke Wei (UCSI)
- Professor Dr John Chiwei Lan (Yuan Ze University)
- Professor Dr Akihiko Kondo (Kobe University)

**Project Title**

Evaluation of electric fields incorporated aqueous two-phase system for keratinase separation and bioconversion

**Funding Approved (RM) 121,200.00**





## Associate Professor Dr Ganeshsree A/P Selvachandran

*Faculty of Business and Management*

### *Co-researchers*

- Assistant Professor Dr Quek Shio Gai (Co-PI, UCSI)
- Professor Raveendran Paramesran (UCSI)
- Dr Wong Pui Jan (Universiti Kebangsaan Malaysia)

### *Project Title*

An Artificial Intelligence System for the Automated Detection of Diabetic Retinopathy using Machine Learning Algorithms and Complex Fuzzy Logic

**Funding Approved (RM) 96,000.00**



## Associate Professor Dr Abdullah Al Mamun

*Faculty of Business and Management*

### *Co-researchers*

- Associate Professor Dr Ganeshsree A/P Selvachandran (Co-PI, UCSI)
- Professor Dr Ramayah Thurasamy (Universiti Sains Malaysia)
- Professor Dr Sumaini Binti Yusoff (University of Malaya)
- Dr Mohammad Mehedi Masud (University of Malaya)

### *Project Title*

Expediting the mass adoption of Green Practices for Environmental and Economics Sustainability of Malaysian Agro-Entrepreneurs using Machine Learning Algorithms

**Funding Approved (RM) 114,000.00**



## Assistant Professor Dr Ganesh A/L Ramasamy

*Faculty of Business and Management*

### *Co-researchers*

- Assistant Professor Rajat Subhra Chatterjee (Co-PI, UCSI)
- Professor Dr Haslinda Abdullah @ Betsy Bennet (Universiti Pertahanan Nasional Malaysia)

### *Project Title*

A mix-method instrument for sustainable water conservation effort among generation Y in Malaysia: An approach of social cognitive theory

**Funding Approved (RM) 91,250.00**



## Associate Professor Dr Cheah Shiau Chuen

*Faculty of Medicine and Health Sciences*

### *Co-researchers*

- Associate Professor Dr Lionel In Lian Aun (Co-PI, UCSI)
- Professor Dr Hoh Boon Peng (UCSI)
- Associate Professor Dr Wong Pooi Fong (University of Malaya)
- Heng Win Sen (University Medical Centre Groningen)

### *Project Title*

Identifying the Signature Biomarker(s) of Early Metastasis Event in Nasopharyngeal Carcinoma using Heterotypic Multicellular Tumour Spheroid

**Funding Approved (RM) 244,800.00**



## Assistant Professor Dr Normina Binti Ahmad Bustami

*Faculty of Medicine and Health Sciences*

### *Co-researchers*

- Assistant Professor Dr Eugenie Tan Sin Sing (Co-PI, UCSI)
- Assistant Professor Dr Tan Chung Keat (UCSI)
- Associate Professor Dr Farahnaz Amini (UCSI)
- Assistant Professor Dr Marjan Sadat Seghayat (UCSI)
- Dr Vinodhini Bhaskaran (Sri Kota Medical Specialist Centre)

### *Project Title*

Prenatal exposure to heavy metals and its association with fetal growth, telomere length and DNA damage in newborns

**Funding Approved (RM) 130,900.00**





## Assistant Professor Dr Yeap Swee Pin

*Faculty of Engineering, Technology and Built Environment*

### *Co-researchers*

- Assistant Professor Dr Lee Kiat Moon (Co-PI, UCSI)
- Dr Leong Hung Yang (UCSI)
- Professor Dr Abdul Latif Ahmad (Universiti Sains Malaysia)
- Professor Dr Lim Jit Kang (Universiti Sains Malaysia)
- Assistant Professor Dr Toh Pey Yi (Universiti Tunku Abdul Rahman)

### *Project Title*

Evaluation of Hetero-Interfacial Interactions in Graphene/Conductive Polymer System Towards Sensitivity of a Flexible Sensor

**Funding Approved (RM) 108,812.00**



## Assistant Professor Ts Dr Ang Chun Kit

*Faculty of Engineering, Technology and Built Environment*

### *Co-researchers*

- Assistant Professor Dr Mahmud Iwan Solihin (Co-PI, UCSI)
- Professor Dato' Ir Ts Dr Mohd Rizon Bin Mohamed Juhari (UCSI)
- Assistant Professor Dr Lim Wei Hong (UCSI)
- Assistant Professor Dr Pui Liew Phing (UCSI)
- Professor Dr Nor Ashidi Mat Isa (Universiti Sains Malaysia)

### *Project Title*

Robust Deep Learning-based Calibration for Data-Driven Spectroscopy

**Funding Approved (RM) 67,200.00**



## Dr Zhooriyati Binti Sehu Mohamad

*Faculty of Social Sciences and Liberal Arts*

### *Co-researchers*

- Dr Tan Yen Teng (Co-PI, UCSI)
- Professor Dr Intan Hashimah Mohd Hashim (Universiti Sains Malaysia)

### *Project Title*

Meaning in Life and Optimism as Intervention for Happiness of Adolescent Delinquents in Juvenile Detention Center

**Funding Approved (RM) 69,400.00**



## Assistant Professor Dr Siau Ching Sin

*Faculty of Social Sciences and Liberal Arts*

### *Co-researchers*

- Dr Amira Najiha Binti Yahya (Co-PI, UCSI)
- Professor Dr Samsilah Rozilah (Universiti Putra Malaysia)
- Associate Professor Dr Norhayati Binti Ibrahim (Universiti Kebangsaan Malaysia)
- Professor Dr Lee E. Waters (University of Melbourne)
- Dr Uma Visvalingam (Hospital Putrajaya)

### *Project Title*

Establishing a novel Family-Healthcare Stress Model: Does Strength-Based Parenting mediate between caregiver mental health and adolescent psychiatric patient outcomes?

**Funding Approved (RM) 63,900.00**