



## ASSOC. PROF. TS. DR. SHAHRUL ISMAIL

Bioprocess and Energy Nexus Group (BioNexG)  
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MALAYSIA

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**Scopus ID:** IT25-2550225A **Researcher ID:** F-125858-2024

## Publications

	Web of Science	Scopus	Google Scholar
Total Publications	18	25	52
Total Citations	353	852	1256
h-index	3	7	12

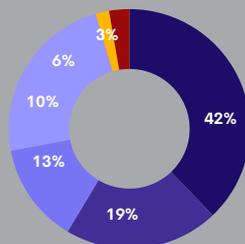
**Books:** Comparing properties and potential of pinewood, dried tofu, and oil palm empty fruit bunch (efb) pellet as cat litter In Cellulose: development, processing, and applications, Crc Press, Solid waste engineering and management, Springer Link,

## Research, Consultation & Innovation

**21** Research Grants

**5** Consultation Projects

**7** Copyrights  
US patent (1)  
Ind Design (1)



Type of Grants Received

- UNIVERSITY (42%)
- FRGS (19%)
- INTERNATIONAL (13%)
- GOV. AGENCY (10%)
- SELF FUNDING (6%)
- INDUSTRY (3%)

\*Percentage by the total number of grant.

## Teaching & Supervision

### Undergraduate Courses

- Advanced Wastewater Treatment Technology
- Wastewater Treatment Technology
- Water Treatment Technology
- Anaerobic Digestion Process Technology
- Solid Waste Management Technology
- Toxic and Scheduled Waste Management
- Urban Drainage System
- Final Year Project Dissertation

### International Student Supervisor

- Delft Technical University
- Leiden University
- Erasmus University Rotterdam
- University of Applied Science
- Ghent University Belgium
- Universitas Andalas

### Supervision

- 3 PhD. & 5 MSc. Graduated
- 5 PhD on-going

## Academic Recognition

10 Thesis Examiner	3 Keynote Speaker
30 Journal Reviewer	5 Guest Speaker
15 Research Grant Reviewer	3 Editorial Board Member

## Professional Membership

- Majlis Profesor Negara (MPN) Lifetime membership
- Professional Technologist, PTech (MBOT)
- Graduate Engineer (BEM)
- Member Malaysian Society for Engineering & Technology (MySET)



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0000-0003-3356-3064

## EDUCATION

### Post-Doctorate (Environment)

TU Delft, the Netherlands

2016 - 2017

### PhD. (Environmental Engineering)

Wageningen UR, the Netherlands

2006 - 2011

### M.Eng (Environment Eng.)

Universiti Utara Malaysia

2023 - 2024

### B.Tech (Hons.) (Environment)

Universiti Sains Malaysia

1999 - 2022

## EMPLOYMENT

### Associate Professor

Faculty of Ocean Engineering Technology,  
Universiti Malaysia Terengganu

Mac 2021 - Present

[joining UMT since Aug 2004]

### Research Fellow

Institut Akuakultur Tropika (AKUATROP)

Jan 2021 - Dec 2023

### Chief Executive Officer

Bionexg Sdn Bhd

Sep 2022 - Dec 2023

### Visiting Professor

Faculty of Engineering, Universitas Andalas,  
Indonesia

Nov 2021 - Nov 2022

### Vice President

Malaysian Biogas Research & Education  
Association (MyBIOGAS)

May 2021 - Present

## EXPERTISE

Anaerobic Process Technology,  
Waste Recovery, Water &  
wastewater Treatment  
Technology, Bio-organic  
Fertilizer, Bio-Circular Economy,  
Palm Oil Mill Waste Recovery