



## **Curriculum Vitae Summary**

**Mahadhir bin Mohamed**

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Address: Chemical Engineering Dept., Faculty of Chemical and Energy Engineering, Universiti Teknologi Malaysia (UTM)

## **Academic Background**

Ph.D. in Chemical Engineering, UTM, 2015

Master of Engineering (Chemical), UTM, 2000

B.Sc. (Chemical Engineering), UTM, 1997

## **Professional Summary**

Senior Lecturer, Chemical Engineering Dept., UTM (2016 – present)

Over 20 years in academic teaching, research, and student supervision.

Expertise in Catalyst Synthesis & Characterization, Reaction Engineering, and Energy & Fuels.

## **Honors & Awards**

Bronze Award (NALI 2023) – Innovation in teaching Statics through CDIO practices

UTM Staff Excellence Awards (2018)

## **Professional Memberships**

Board of Engineers Malaysia – Member since 2006

Institute of Chemical Engineers (UK) – Associate Member since 2008

### **Administrative & Leadership Roles**

- Academic Advisor, Chemical Engineering Student (2000 – present)
- Head, Chemical Reaction Engineering Panel (2016 – present)
- Lab Manager, FCEE UTM (2016 – 2022)
- Statics Course Owner (2013 – present)
- OSHE & Emergency Response Committees (various roles)

### **Research & Grants**

Involved in over 15 funded research projects, including:

Fundamental Research Grant Scheme (FRGS Fund), MOSTI Research Grant Scheme (E-Science Fund), IRPA Scheme (MOSTI Fund) And Research University Grants (GUP).

### **Teaching Portfolio**

Key subjects taught across undergraduate programs:

- Statics, Thermodynamics, Energy Balance
- Plant Design Projects, Fluid Mechanics Lab
- Supervising Ph.D. and MSc research, with several successfully completed

### **Publications & Conferences**

Author/co-author of over 30 journal papers, including in:

- Journal of Environmental Chemical Engineering, Applied Surface Science, Journal of Cleaner Production and Environmental Technology and Innovation
- Presenter at national and international conferences in Malaysia

### **Community & Outreach**

- Advisor for National Chemical Engineering student events
- Sports representative for UTM in tennis and woodball competitions
- Active in faculty-level mentoring and industrial visits