

My research interest centers on optimizing the integration of marine renewable energy sources, such as wave, tidal, and offshore wind, with green hydrogen production technologies. I aim to maximize the potential of marine energy resources for a sustainable, hydrogen-powered future through continuous innovation and optimization.



## DR. MOHD AFIFI JUSOH

Lecturer

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## EDUCATION

### PhD, Electricity & Energy

Universiti Malaysia Terengganu (UMT)

2019 - 2023

### MSc. Physics (Renewable Energy)

Universiti Malaysia Terengganu (UMT)

2016 - 2018

### B.Eng. Electrical (Hons.)

Universiti Teknologi MARA (UiTM)

2009 - 2013

## EMPLOYMENT

### Lecturer

Faculty of Ocean Engineering Technology,  
Universiti Malaysia Terengganu

May 2024 - Present

### Research Officer of CEFORE Project

Faculty of Ocean Engineering Technology,  
Universiti Malaysia Terengganu

June 2023 - April 2024

### Graduate Research Assistant (PhD)

Faculty of Ocean Engineering Technology,  
Universiti Malaysia Terengganu

Feb 2019 - May 2023

### Research Officer of ECRE Project

Faculty of Ocean Engineering Technology,  
Universiti Malaysia Terengganu

Feb 2018 - Jan 2019

### Graduate Research Assistant

Faculty of Ocean Engineering Technology,  
Universiti Malaysia Terengganu

Feb 2016 - Dec 2018

### Electrical Engineer

Tamco Switchgear Sdn. Bhd.

Dec 2014 - Jan 2016

### Electrical Engineer

LKE Electric Sdn. Bhd.

Sept 2013 - Nov 2014

## EXPERTISE

Renewable Energy System

Electrical Power System

Optimisation Algorithm Techniques

Hydraulic System

Electrical Switchgear Design &  
Testing

## Publications

	Web of Science	Scopus	Google Scholar
Total Publications	11	20	21
Total Citations	95	155	198
h-index	5	6	9

## Research Projects

### Current

Development of Centre of Excellence for Offshore Renewable Energy  
(2023-2026)

### Past

Modeling and control of hydraulic power take-off (PTO) for a wave energy converter system  
(2019-2023)

The Development of Wave Energy Conversion System to Generate Electricity  
(2018-2019)

## Consultation Services

### 2024

Development of Awareness of Renewable Energy Module for Institut Teknologi Petroleum PETRONAS (INSTEP)

### 2023

Design of Mini Solar Farm Showroom for Pusat Sains Kuala Terengganu

### 2022

Service and Maintenance of Wind Turbines at The Light Waterfront Residences,  
Penang

## Professional Membership



## Software Literacy



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