CURRICULUM VITAE

Name	:	**Dr. Nor Afifah Yahaya**
Organisation	:	**UNIVERSITI TEKNOLOGI MARA**
Faculty/Unit	:	College of Engineering
Designation/Grade	:	DM 52
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QUALIFICATIONS

Academic Qualifications:

PhD in Environmental and Renewable Energy	NAGAOKA UNIVERSITY OF TECHNOLOGY, JAPAN
MSc in Mechanical Engineering	EHIME UNIVERSITY, JAPAN
B.ENG in Mechanical Engineering	EHIME UNIVERSITY, JAPAN

Professional Bodies:

The Institution of Engineers, Malaysia	member
Board of Engineers Malaysia	member
Energy Institute	member

CAREER HISTORY

No.	Year	Position	Institution/Organisation
1.	2004	Executive	MARUWA (M) SDN. BHD.
2.	2005-Present	Senior Lecturer	UNIVERSITI TEKNOLOGI MARA

PROFESSIONAL AFFILIATIONS/APPOINTMENTS

No.	Year	Position	Institution/Organisation
1.	2005	MEMBER	THE INSTITUTION OF ENGINEERS, MALAYSIA
2.	2005	MEMBER	BOARD OF ENGINEERS MALAYSIA
3.	2020	MEMBER	ENERGY INSTITUTE

RESEARCH PROFILE

Area of Expertise	:	Renewable Energy, Heat transfer
ORCiD	:	https://orcid.org/0000-0002-0203-738X
Scopus Author ID	:	55234260200
Researcher ID	:	AAO-1388-2021
H-index (Scopus)	:	4
Google Scholar	:	https://scholar.google.com/citations?view_op=list_works&hl=en&user=xEieisIAAAAJ

RESEARCH GRANT SECURED

No.	Project Title	Role	Source	Total Funding (RM)	Duration
1.	CHARACTERIZATION OF PHOTOCURRENT CONVERSION EFFICIENCY OF DYE SENSITIZED SOLAR CELL USING MANGOSTEEN PERICARP AND HIBISCUS AS PHOTOSENSITIZER WITH ADVANCED LIGHT TRAPPING TECHNIQUE	LEADER	FRGS	90,200.00	2 .5 YEARS
2.	AUTOMOTIVE EXHAUST HEAT RECOVERY USING THERMOELECTRIC GENERATORS	MEMBER		32,000.00	3 YEARS
3.	CORRELATIONS BETWEEN PROCESSING PARAMETERS AND GRAPHENE FORMATION FROM VEGETABLE OILS UNDER SIMPLE STEP MICROWAVE ASSISTED ARC IN LIQUID METHOD	MEMBER	FRGS	106,000.00	2 .5 YEARS
4.	FUNDAMENTAL INVESTIGATION OF HIGH EFFICIENCY BIOPOLYMER	MEMBER	FRGS	126,200.00	2 .5 YEARS

	BASED THERMOELECTRIC MATERIALS AS WASTE HEAT ENERGY HARVESTER.				

POSTGRADUATE SUPERVISION

No.	Research Title	Institution	Year Enrolled	Year End
1.	KHADIJAH BINTI HAMZAH	UNIVERSITI TEKNOLOGI MARA	2017	2019
2.	MOHD ZAKUAN ZABRI	UNIVERSITI MALAYA	2017	2019

INDEXED PUBLICATIONS

Year	Title	Publisher
2021	A Tri-Metallic (Mn–Co–Ti) Oxide Photoanode with Improved Photo-Conversion Efficiency	Russian Journal of Inorganic Chemistry
2019	Experimental investigation on nanofluid as the cooling medium in the evacuated tubes solar collector	NaSMiNT 2019
2018	Study on the extraction process and optical properties of mangosteen pericarp for Dye Sensitized Solar Cell (DSSC) application	Journal of Mechanical Engineering (JMechE)
2018	Effects of functionalized carbon nanofillers on the spectral selectivity behavior of aluminum nanocomposites for solar absorber applications	Materials Chemistry and Physics
2017	Comparative study of heat transfer and friction factor characteristics of nanofluids in rectangular channel	Procedia engineering
2015	Energy harvesting from cooling tower by vertical axis wind turbine (VAWT)	Jurnal Teknologi
2013	Optical design and optimization of periodic nanohole structure for light trapping in thin film silicon solar cell	Nagaoka University of Technology
2013	Characterization of light absorption in thin-film silicon with periodic nanohole arrays	Optics express
2012	Light trapping potential of hexagonal array silicon nanohole structure for solar cell application	Advanced Materials Research
2007	Integrating mechatronics engineering with enterpreneurship in outcome-based postgraduate education in Malaysia	Research Management Institute (RMI)

DR NOR AFIFAH YAHAYA

Unknown affiliation
Verified email at uitm.edu.my

FOLLOW

TITLE	CITED BY	YEAR
Characterization of light absorption in thin-film silicon with periodic nanohole arrays NA Yahaya, N Yamada, Y Kotaki, T Nakayama Optics express 21 (5), 5924-5930	42	2013
Comparative study of heat transfer and friction factor characteristics of nanofluids in rectangular channel UK Ahmad, M Hasreen, NA Yahaya, B Rosnadiah Procedia engineering 170, 541-546	11	2017
Light trapping potential of hexagonal array silicon nanohole structure for solar cell application NA Yahaya, N Yamada, T Nakayama Advanced Materials Research 512, 90-96	8	2012
Energy harvesting from cooling tower by vertical axis wind turbine (VAWT) AA Abd Rahman, NA Yahaya, R Bahsan, UK Ahmad Jurnal Teknologi 76 (5)	4	2015
Effects of functionalized carbon nanofillers on the spectral selectivity behavior of aluminum nanocomposites for solar absorber applications MZ Zabri, S Rozali, NA Yahaya, SS Shazali Materials Chemistry and Physics 212, 196-207	1	2018
A Tri-Metallic (Mn–Co–Ti) Oxide Photoanode with Improved Photo-Conversion Efficiency MA Mansoor, K Hamzah, R Naeem, M Zubir, NA Yahaya, FB Yusof, ... Russian Journal of Inorganic Chemistry 66 (6), 806-813		2021
Experimental investigation on nanofluid as the cooling medium in the evacuated tubes solar collector MNI Johari, IA Zakaria, NA Yahaya NaSMiNT 2019 ORGANIZING COMMITTEE, 7		2019
Study on the extraction process and optical properties of mangosteen pericarp for Dye Sensitized Solar Cell (DSSC) application/MAS Suri...[et al.] S Suri, NA Yahaya, K Hamzah Journal of Mechanical Engineering (JMechE), 251-260		2018
Study on the extraction process and optical properties of mangosteen pericarp for Dye Sensitized Solar Cell (DSSC) application/MAS Suri...[et al.] S Suri, NA Yahaya, K Hamzah Journal of Mechanical Engineering (JMechE), 251-260		2018
Optical design and optimization of periodic nanohole structure for light trapping in thin film silicon solar cell NAB Yahaya		2013
Integrating mechatronics engineering with enterpreneurship in outcome-based postgraduate education in Malaysia R Jaafar, MA Ayub, Z Abdul Majid, NA Yahaya Research Management Institute (RMI)		2007
In the Name of Allah Most Gracious Most Merciful N YAHAYA		1992

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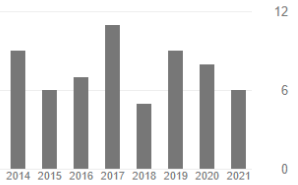

Co-authors EDIT

No co-authors