

CURRICULUM VITAE



NOR MARIAH ADAM PhD PE

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JANUARY 2019

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UNIVERSITI PUTRA MALAYSIA

CURRICULUM VITAE

A. **Biodata**

- a. Name: Nor Mariah Adam
- b. Department: Basic Science and Engineering
- c. Faculty: Food Science and Agriculture
- d. Field of Specialization: Thermo-fluids (energy), safety (emergency response and planning)
- e. Staff Card Number: A00873K
- f. Date of Birth: 10th October 1958
- g. Contact:

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e-mail: mariah@upm.edu.my

- h. Current Position: Professor

Grade: VK7 (starting 1 August 2017)

Date of Confirmation Associate Professor: 1st July 2001

- j. Competency PTK 6, Level 6, 2003

Academic Qualifications

- University of Nottingham England, PhD (Ventilation and Indoor Air Quality) 1995
- Michigan Sta University USA Master Science (Agricultural Engineering: Machine Design) 1985
- University of Reading England B Sc (hons) (Mechanical engineering with Mathematics) 1981

Professional Qualification/Membership/Affiliation

- Professional Engineer with Board of Engineers Malaysia Mechanical C110571 year 2000
- Corporate Member The Institution of Engineers Malaysia M18774 year 2005
- Institution of Masters in Disaster Emergency MManagement,ent Mayisa, Vice President (2014-2019)
- Member Alpha Epsilon Michigan State University USA since 1985
- Diploma Terjemahan (Sains Teknikal) 1985 anjuran DBP/Persatuan Penterjemah Malaysia 1987
- ICS, Mutual Aid and CAER Program 16 hrs. Conducted by Marvin L. Jochems Consulting. August, 1999

Appointments

- January 2019 – Professor, Dept Basic Sciences and Engineering
- August 2017- date Professor dept Mechanical and Manufacturing Engineering UPM
- July 2001 – July 2017 Associate Professor Dept Mechanical and Manufacturing Engineering, UPM
- Head Laboratory Alternative and Renewable Energy (AREL) Institute Teeknologi Maju (ITMA) UPM
- September 1997 – 2001 Senior Lecturer. Dept Mechanical and Manufacturing Engineering UPM
- June 1985-1997 Lecturer Dept Agricultural Power and Machinery, UPM
- 1981-1985 Tutor Faculty of Agricultural Engineering UPM

Research Area of Interest

- Thermofluids and energy (solar, wind, biofuel, thermal comfort, ventilation and indoor air quality)
- Emergency Response and Planning (part of fire safety/ application of thermodynamics)

Administrative Duties

	Duty	Level	Year
1.	Head of Alternative and Renewable Energy Lab	Institute of Advanced Technology, UPM	1 January 2007-31 December 2010
2.	Committee Risk Management for UPM	Universiti Putra Malaysia	2009-2011
3.	Safety Committee (ERP)	JKKP Universiti Putra Malaysia	April 2008 - date
4.	Coordinator Master (Emergency Response and Planning) Program	Universiti Putra Malaysia	Nov 2006 - 2009
5.	Head, Thermo-fluids Unit	Dept Mechanical Manufacturing Faculty level	2001 to dare
6.	Coordinator Thermo-dynamics Lab	Universiti Putra Malaysia	2004 to date
7.	Head Program	Institute of Advanced Technology, UPM	Sept 2009 – Aug 2010

Academic Duties

	Academic Duties	Level	Date
1.	Research Project Evaluator	Universiti Putra Malaysia and Faculty	2002- date
2.	Committee for Development of New Undergraduate Programs	Faculty of Engineering University of Malaya	2015
3.	Mentor for Teaching Young Lecturer Dr Abdul Aziz Hairuddin	Universiti Putra Malaysia	2015
4.	External Examiner BE(mechanical)	Infrastructure University, Kuala Lumpur	2014-2018
5.	Evaluator Transfer from Master to PhD for MIN Beekun (GS32468)	Universiti Putra Malaysia	12 Dec 2013
6.	Mentor for Post Doctoral Dr Ahmet Oszoy	University of Seleyman Demirel University Turkey	1 st July to 7 Sept 2013
7.	External Examiner BE(mechanical)	Universiti Pertahanan Nasional Malaysia (UPNM)	2012-2014
8.	Qualified Level 1 TRIZ Practitioner	The Malaysia TRIZ Innovation Association and The International TRIZ Association (MATRIZ)	10 April 2012
9.	Moderation of Applied Thermodynamics questions for Professional Engineer examination	The Institution of Engineers Malaysia (IEM)	2010 - 2011
10.	Standing Committee for Examination and Training	The Institution of Engineers Malaysia (IEM)	2010-2011
11.	Collaboration research projects	Fire and Rescue Department Malaysia	2010
12.	Head Panel Evaluation of Project Proposals	Universiti Putra Malaysia	2010
13.	Adjunct Research Fellow at Sports Academy	Universiti Putra Malaysia	5 Aug 2009-2011
14.	External Examiner BE(mechanical)	University College Sedaya International (UCSI)	2009 - 2011
15.	Appointment as Focus Group member Indoor Air Quality JKR	Public Works Department	2009
16.	Invited as IAQ Expert	Faculty of Design and Architecture, UPM	21 Feb 2009
17.	Mentor for Post Doctoral Dr Bashria Yousef	University of Soba Sudan at ITMA (Solar Energy)	2008
18.	Smart Partnership UPM/UNITEN/KLIUC	UPM/UNITEN/KLIUC	2007-2008

	Leader:Energy Research		
19.	Head of Research Unit (Thermodynamic)	Department of Mechanical and Manufacturing Engineering, UPM	2007-2008
20	Mentor/Evaluator Young Lecturer Scheme in research	UPM - Eris Elianddy Supeni Development of Composite Index to Evaluate Car Park for Malaysian Condition -Dr Abdul Rahim Abu Talib The Significance of Solar Radiation on Undercowl Temperature	17 April 2007
21.	Appointment as Focus Group member Energy Audit Technical Advisor	Pusat Tenaga Malaysia (Enegy Centre Malaysia)	2006
22.	Appointment as Focus Group Safety and Health Member	Research Management Centre, Universiti Putra Malaysia	2003
23.	Appointment as Focus Group member Energy/ Indoor Air Quality	CIDB Construction Industry Development Board	2003
24.	Reviewer for journal and proceeding manuscripts *refer to reviewer of journal manuscripts section	Pertanika, J Facilities, IJET Energy and Buildings, IJSTEC (2018)	2002 to date
25.	Appointment as UPM Representative in Industrial Standard Committee (ISC) for Fire Safety and Prevention (TC Smoke Management, Fire Extinguisher, Passive Protection, Active Fire Protection, Keluar Sign, Building Materials, Fire Door)	SIRIM (Scientific and Industrial Research Institutue Malaysia)	2002 to date
26.	Appointment as Focus Group member Indoor Air Quality KPT	Ministry Housing and Local Government	2002
27.	Promotion Diploma Safety and Emergency	UPM Bintulu	2002
28.	Development of Course module for INTAN	Communications during Crisis First Aid in Disaster (triage)	1998

Teaching Experience

Code	Credit	Name	Level
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EMM 3110 EMM3213	3(3+0)	Thermodynamics I	Undergraduate
EMM 3210	3(2+1)	Thermodynamics II	Undergraduate
KMP3205	3(3+0)	Advanced Thermodynamics	Undergraduate
EMM 3204	2(2+0)	Green Technology	Undergraduate
EMM 3202	3(#+0)	Heat Transfer	Undergraduate
ECV 3001	3(2+1)	Engineer and Society	Undergraduate
EMM 3290	3(3+0)	Thermodynamics	Undergraduate
EMM 3108	3(2+1)T	Strength of Materials Tutorial	Undergraduate
KMP 3907	3(3+0)	Industrial Safety and Health	Undergraduate
KMP 5955	3(3+0)	Quantitative Methods in Research	Postgraduate
KMP 5955	3(3+0)	Dimensionless Analysis	Postgraduate
EMM 5202	3(3+0)	Energy Management	Postgraduate
EMM 5616	3(3+0)	Industrial Safety, Health and Environmental Management	Postgraduate
EMM 5626	3(3+0)	Management of Technology	Postgraduate
EAB 5401	3(3+0)	Hazard, Risk and Ethics	Postgraduate
EAB 5302	3(3+0)	Building Services	Postgraduate
EMM 5201	3(3+0)	Fire Safety Engineering and Regulation	Postgraduate
EAB 5603	3(3+0)	Disaster Recovery and Contingency Planning	Postgraduate
KBP 5604	3(3+0)	ERP Networking	Postgraduate
KBP 5900	3(3+0)	Research Methodology	Postgraduate
KBP 5955	3(3+0)	Special Topic: Material Science and Engineering	Postgraduate
ECH 5510	3(3+0)	Disaster Management and Emergency Plan	Postgraduate
KBP 5611	3(3+0)	Emergency Risk Management	Postgraduate
KMP 5603	3(3+0)	Materials and Design Against Fire	Postgraduate
KMP 5955	3(3+0)	Special Topic: Mechanical Engineering Application for ERP	Postgraduate
KKA 5955	3(3+0)	Special Topic: Physical Properties of Materials for ERP	Postgraduate
KBP 3004	3(3+0)	Physical Properties of Agricultural Materials	Undergraduate
KPJ 203	3(2+1)	Principles Power.Machinery and Processing	Undergraduate
KPJ 260	2(1+1)	Agricultural Machinery I	Diploma
KPJ 261	3(3+0)	Agricultural Machinery II	Diploma

KPJ 250	3(3+0)	Tractor and Its Power Units	Diploma
KPJ 301	3(3+0)	Engineering Input in Agriculture	Undergraduate
KPJ 312	3(3+0)	Theory pf Machines	Undergraduate
KPJ 360	3(3+0)	Fluid Dynamics and Machines	Undergraduate
KPJ 361	3(3+0)	Agricultural Machinery	Undergraduate
KPJ 412	3(3+0)	Vibrations	Undergraduate
KPJ 401	3(3+0)	Physical Properties of Agricultural Materials	Postgraduate

Courses <20 students

Code	Credit	Name	Level
KMP 5955	3(3+0)	Quantitative Methods in Research	Postgraduate
KMP 5955	3(3+0)	Dimensionless Analysis	Postgraduate
EMM 5202	3(3+0)	Energy Management	Postgraduate
EMM 5616	3(3+0)	Industrial Safety, Health and Environmental Management	Postgraduate
EMM 5626	3(3+0)	Management of Technology	Postgraduate
EAB 5401	3(3+0)	Hazard, Risk and Ethics	Postgraduate
EAB 5302	3(3+0)	Building Services	Postgraduate
EMM 5201	3(3+0)	Fire Safety Engineering and Regulation	Postgraduate
EAB 5603	3(3+0)	Disaster Recovery and Contingency Planning	Postgraduate
EAB 5900	3(3+0)	Research Methodology	Postgraduates
KBP 5604	3(3+0)	ERP Networking	Postgraduate
KBP 5900	3(3+0)	Research Methodology	Postgraduate
ECH 5510	3(3+0)	Disaster Management and Emergency Plan	Postgraduate
KBP 5611	3(3+0)	Emergency Risk Management	Postgraduate
KMP 5603	3(3+0)	Materials and Design Against Fire	Postgraduate
KMP 5955	3(3+0)	Special Topic: Mechanical Engineering Application for ERP	Postgraduate
KKA 5955	3(3+0)	Special Topic: Physical Properties of Materials for ERP	Postgraduate
KPJ 401	3(3+0)	Physical Properties of Agricultural Materials	Postgraduate

Courses > 80 students

Code	Credit	Name	Level
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KMP 3201	3(3+0)	Thermodynamics	Undergraduate
KMP 3203	3(2+1)	Applied Thermodynamics	Undergraduate
KKK 3002	3(3+0)	Engineering Mathematics II	Undergraduate
KPJ 1xx	3(1+2)	Workshop Practice	Diploma
KPJ 202	3(2+1)	Technogy Power. Machinery and Processing	Diploma
KPJ 260	2(1+1)	Agriculture Machinery I	Diploma
KPJ 261	3(3+0)	Agricultural Machinery II	Diploma

Courses With Laboratory/Tutorial

Code	Credit	Name	Level
EMM3110T	3(3+0)T	Thermodynamics I (2 groups)	Undergraduate
EMM 3210	3(2+1)	Thermodynamics II	Undergraduate
EMM3204T	2(3+0)T	Green Technpology (2 groups)	Undergraduate
EMM 3108	2(0+2)T	Strength of Materials (2 groups)	Undergraduate
KPJ 260	2(1+1)	Agricultural Machinery I	Diploma
KKK 3002	3(3+0)	Engineering Mathematics II	Undergraduate

Research Projects

PROJECT LEADER				
Project No.	Project Title	Year	Fund	Status
RU9001110	A Solar Water Distiller	2018	RU UPM	On going
GP-IPS/2018/9605600	Design and Development of Wind Powered Vibrator for Removing the Dust from Solar Panel	2018-2019	IPS UPM 15,000	On going
GP IPS/2015/9452900	Design of Heat Exchanger for Water Distiller Using Computational Fluid Dynamics	2015-2017	IPS UPM 20,000	Completed
GP-IPS/2014/9438707	Characterisation and Effectiveness of Solar Thermal System Integration In Building Shading Facade	2014-2015	IPS UPM 15000	Completed
9387600	Development and Fabrication of Solar Powered Water Distiller	2013-2014	RUGS 10000	Completed
05-02-12-883RU 9345300	Assessment of Thermal Comfort in Fully Enclosed Laboratories in Tropical Buildings	2012-2014	RUGS 11500	Completed
05-01-09-0755RU 91760	Design and development of sepak takraw shoes for stability and comfort	2009-2013	RUGS 74000	Completed
5488707	Impact analysis of Thailand and Malaysian takraw balls	2009-2011	KPKT 51000	Completed
07-10-07-440 FR 5523440	Determination of Malaysian Behavior on Abuse of Energy at A Teaching Institution	2007-2009	MOHE 50000	Completed

05/01/07/0196R U 91196	Determination of Carbon Monoxide (CO) Level in Passenger Car in Klang Valley for Application of CO Indicator in Car Control Panel	2007-2009	RU 29200	Completed
020303017S 55140	Development of Internet based Expert System for Solar System	2004-2005	RUGS 20000	Completed
04-02-04-0530- EA001 55021	Expert System for Predicting and Managing Thermal Comfort of Buildings	2003-2004	UPM 20000	Completed
Industry	Expert System on Forest Fire and Fire Station	2000-2001	Setiabudi Group 10000	Completed
50208-99-37	Identification of Ventilation Problems at UPM Mosque	1998-2000	UPM 10000	Completed
50222	Determination of Ventilation Efficiencies of Malaysian Buildings Using Tracer-Gas Technique	1997-1999	UPM 10000	Completed
1-07-05-04 J01	Machinery Usage in Oil Palm and Cocoa Productions: Development of Information Data Base	1986-1991	MPKSN 517000	Completed
50208-89-04	Kajian Awal Terhadap Buah Malinjar	1989-1990	UPM 10000	Completed
1708-1-712	Ciri-Ciri Getaran Hasil Dusun	1986-1988	UPM 6000	Completed

Project Member

Project No.	Project Title	Year	Fund	Status
GP- IPM/2018/96075 00	Energy Harvesting from Wind by PZT Using A Rotating Gear	2018-2020	UPM 60,000	On going
FRGS/1/2015/TK 03/UPM/02/4	A Fundamental Study of Knocking Behaviour in a Homogeneous Charge Compression Ignition (HCCI) Engine Fuelled with Palm Oil and Egusi Based Biodiesel	November 2015- November 2018	FRGS RM 128, 000	On going
GP- IPB/2013/941290 0	Multifuel Energy Efficient Green Engine (MEEGE)	2013-2014	UPM 169,400	Completed
GP- 1/2014/94422700 9442700	Investigation of Office Occupant's Ppsychophysical Responses in Transient Environment	2015-2017	UPM 77,300	Completed
000049196	Development of a High Efficiency Solar-Integrated Power System Utilizing Motorized System With Two-axes Angle Controller	2012-2014	PRGS 240000	Completed
9199654	Traffic Noise Reduction Inside Residential Corner Lot Terraced Housing Unit Using Noise Control	2010-2012	RUGS 52000	
5315816	Development of Composite Index to Evaluate Car Park for Malaysian Condition	2006-2007	UPM Young lecturer scheme 20000	Completed

04-01-04-SF0605 5450072	The Impact of Indoor Air Quality on Longevity of Buildings	2006-2009	MOSTI 202,693	Completed
91643	Solar Radiation Characteristics of DishCconcentrator in UPM	2009-2011	UPM 30000	Completed
	Development of Internet based Malaysian Ecotourism Network and- Site Rating Expert System	2002-2005	MOSTI 200000	Completed
03-02-04-0105 51419	Achieving Thermal Comfort via Analytical Method in Terraced House Designs	1999-2002	IRPA 200000	Completed

Student Supervision

Main Supervisor

- 21 PhD (11 graduated, 1 completed, 4 submitted, 5 ongoing)
- 31 Master with Thesis (29 graduated, 1 completed, 1 submitted)
- 94 Master without Thesis (94 graduated)
- 100 BE (mechanical) final year projects (100 graduated)
- 8 BE (agricultural) final year projects (8 graduated)

Co Supervisor

- 19 PhD (13 graduated, 1 submitted, 5 ongoing)
- 12 Master with Thesis (11 graduated, 1 on going)
- 39 Master without Thesis (39 graduated)

PhD

Name of Student	Title of Thesis	Year	Status
1. Bashria Abd. Rub. Al Rasoul (GS11633)	Development of a Mathematical Model to Predict Thermal Performance and Cost Effectiveness of Solar Air Heaters.	2007	Graduated
2. Hamidreza Ghezavati (GS16996)	Suitable Location of CO Detector in Car Cabins	2008	Graduated
3. Tezara Cionita (GS15850)	Evaluation of Indoor Air Quality in Selected Daycare Centre in Klang Valley, Malaysia using Subjective and Objective Measurement.	2013	Graduated
4. Yahaya Muhammad-Bande (GS30833)	Malaysian Grown Egusi (Citrullus Lanatus) Crop as Potential Feed Stock for Bio-Energy.	2014	Graduated
5. Kwong Qi Jie (GS32187)	Indoor Environment and Ebergy Cost Saving Prediction Model for Radiantly Cooled Slab Tropical Building	2014	Graduated
6. Rosli bin Dermawan (GS30479)	CFD Modelling of Performance Enhancement for Nuclear Research Reactor Cooling System	2015	Graduated

7. Ali Mohamed Wahhad (GS23354)	Development of Window Design for Hot Humid Climate Using Computational Fluid Dynamics and Experiments	2016	Graduated
8. Mohammed W. Muhieldeen Al-Gailani (GS33402)	Development of Model to Predict Room Temperature Using Computational Fluid Dynamics	2017	Graduated
9. Ng Khai Mun (GS35666)	Characterization and Effectiveness of Solar Thermal System Integration in Building Shading Facade	2018	Graduated
10. Hussein Adel Mahmood (GS39966)	Design and Faabrication of Three Fuel Mixer for Truck Engine	2018	Graduated
11. Raduan bin Serap (GS27888)	Developmwnt of Model for Passenger Safety Onboard Ferry Between Labuan and Borneo Mainland	2016	Submitted
12. Lim Chong Lye (GS32454)	Development of 3D Heat Tranfer for Cryogenic Piping	2018	On going
13. Moey Lip Kean (GS34093)	Development of Model to Predict Temperature Distribution in Wind Tower (To submit)	2018	On going
14. Nurhaiza binti Shahrir (GS36901)	Preventive Scheduling Model for Manufacturing Line viva 29jan 2019	2018	Submitted
15. Yeo An Thai (GS43203)	Design and Fabrication of Solar Powered System to Reduce Crushing Force on Quarry Rocks	2018	On going
16. Ahmad MRN Alrashdi (GS43323)	The Influence of the Merger Between Technology of Plasma to Operate Gas Turbine (To submit)	2018	On going
17. Amer ESE Al Ajmi (GS43324)	Enhancing Atomisation of Bio Fuel Mixture Process By Using Ultrasound in Gas Turbine Engine (To submit)	2018	On going
18. Mufida Ibrahim Mkhrem (GS45220)	Prediction of Fire Safety for Traditional House in Libya iva 28 Jan 2019	2018	Submitted
19. Osam Hassan Attia (GS44922)	Design and Fabrication of Vibrator Using Wind Energy	2018	Completed
20 Ali Jaber Abdulhamed (GS47885)	Parabolic Trough Collector (PTC) Receiver Tube Design	2018	Completed
21 Nurud Suria binti Suhami (GS39838)	Development Fire Risk Assessment Method in Multi Storey Building	2018	Submitted
PhD CoSupervisor			
1 Aini Mat Said (GS03266)	Development and Application A Malaysian Socio-Technical Disaster	2006	Graduated

2	Suditama Sulaiman (GS05827)	Experimental Analysis of Thermal Storage Material and Heat Transfer Characteristic of Heated Tubes Immersed In Thermal Storage Material	2008	Graduated
3	Mouayad Abdulredha Sahib (GS23847)	Design and Implementation of Real –Time Nonlinear Active Noise Control System Using FPGA.	2012	Graduated
4	Wardah Fatimah Bt Mohammad Yusoff (GS20015)	Roof Solar Collector and Vertical Stack for Enhancing Indoor Ventilation of Single-Storey Shophouse in Malaysia	2012	Graduated
5	Zohreh Pourzolfaghar (GS21092)	Improving Knowledge Capture During Conceptual Design Phase of Building Project.	2011	Graduated
6	Mohd Habir bin Ibrahim (GS16098)	Prediction of Health Impact of Nitrogen Dioxide Air Pollution from Petrochemical Industry on Communities in Kemaman Terengganu	2012	Graduated
7	Seyed Amir Hossein Khosh Solat (GS28266)	Optimization of Electric Load Factor by Using Multi Criteria Decision Making	2014	Graduated
8	Tuqa Abdul Razzaq Flayyih (GS32519)	Numerical and Experimental Analysis of Heat Transfer and Nanofluid Flow Through An Annular Pipe With Abrupt Contraction	2015	Graduated
9	Saud Said Khalfan Al-Anbari (GS26879)	Risk Assessment for Safety and Health Algorithm for Building Construction in Oman	2015	Graduated
10	Renny Eka Putri (GS31150)	Instrumentation of a Rice Combine Harvester for Instantaneous Yield Monitoring During Harvesting	2015	Graduated
11	Lina Ismail Jassim (GS34008)	Enhancement of Drilling Operation Using New Fluid Formulation From Palm Kernel Oil	2015	Graduated
12	Chua Poh Choo (GS35831)	Assessment of Indoor Air Quality and Its Respiratory Health Implications Among Preschool Children in Selangor	2016	Graduated
13	Alsanossi Mohamed Aboghrara (GS35903)	Development of Numerical Tool to Predict Tabgential Jet Flow for Solar System	2018	Graduated
14				
15	Fyneess Al Ajmi (GS43322)	Potential of Biodiesel production from Sheep Tallow Using Solar Energy as A Power Source	2018	On going
16	Sentelnathan a/ Kaindasamy (GS44428)	Development of Self Generic Guideline for Green Building for Existing Small Medium Enterprises and Residential in Malaysia	2018	On going

17	Zulkiple bin Jamal (GS46380)	Combustion Behaviour of an HCCI Engine Fueled With Diesel and Bio-Diesel for the Factors Leading to Knocking	2018	On going
18	Erfan Shamsaddini Lori (GS45803)	Fundamental Study on Harvesting Energy from raon Drop Through Application of PZT Material	2018	On going
19	Modather Mairghany Abdin Ahmed (GS45600)	Developing and Implementing Quality Management System in Accordance with ISO Standard in Rice Cultivation Malaysia	2018	On going

Master With Thesis

Name of Student	Title of Thesis	Year	Status
1. Seyed Hamidreza Zahedi	Simulation and Optimization of Thermosyphon Solar Water Heater for Kuala Lumpur Climate Using Trnsys Software.	2005	Graduated
2. Tezara Cionita (GS09416)	Study on The Optimal Position of Ventilation Fan in Typical Kitchen Area..	2005	Graduated
3. Sivasankar Sambasivam (GS10130)	Development of an Internet-Based System To measure Thermal Comfort in Indoor Environment.	2006	Graduated
4. Azali Awaludin (GS13754)	Design and Development of an Oil Palm Biomass Fluidized Bed Gasifier.	2007	Graduated.
5. Aloysius DeCruz (GS14452)	Active Noise Control (ANC) Technique Application in Air Conditioning Ducts.	2008	Graduated
6. Ali Mohamed A. Wahhad (GS14979)	Effect of Selected Shading Devices on Office Room Temperature.	2008	Graduated
7. Roonak Daghigh (GS16824)	Influence of Air Exchange Effectiveness on Thermal Comfort in Malaysia	2008	Graduated
8. Cheong Yoon Kwan (12690)	Numerical Simulation of Nitrous Oxide and Carbon Monoxide Abatement in The Catalytic Converter of a Compressed Natural Gas Engine	2008	Graduated
9. Giwa Solomon Olanrewaju (GS19097)	Synthesis and Characterization of Egusi Melon Methyl Ester as Diesel Fuel Substitute	2009	Graduated
10. Kwong Qi Jie (GS20404)	Assessment of Environmental Comfort Parameters and Energy Efficiency Potentials of an Enclosed Transitional Zone in Tropical Buildings.	2009	Graduated
11. Abolfazl Sousanabadi Farahani (GS18242)	. Turbulent Flow in an Active Wind-Driven Ventilation Device	2009	Graduated

12. Seyed Sharafaldin Hosseini (GS18815)	New Method of Measure Thermal Conductivity of Nanofluids	2009	Graduated
13. Amir Pakravan (GS18135)	Computational Study on Turbulent Flow Around a Model of Wind Turbine Rotor.	2010	Graduated
14. Asnawi (GS22335)	Effect of Hydrogen Enrichment on Compressed Natural Gas Engine Performance and Emissions	2011	Graduated
15. Mohammadmahdi Ghiji (GS22648)	Computational Fluid Dynamic analysis of Knock Onset in Diesel Dual-Fuel Engine	2011	Graduated
16. Mohammad W Muhieldeen (GS20969)	Polyethylene Single- Bubble Insulation Capability to Reduce Cooling Load of A Lecture Hall	2011	Graduated
17. Ng Khai Mun (GS25851)	Geometrical Characteristics of Fixed Mirror Distributed Focus Solar Concentrator, Serdang, Malaysia.	2011	Graduated
18. Aydin Khiabani (GS199919)	Design of Shell Tube Heat Exchanger for Portable Solar Powered Water Distiller	2011	Graduated
19. Dan Jun Xian (GS25428)	Efficiency of Solar Bowl Model Using Aluminium-Zinc Alloy Coated Steel Based Reflector.	2012	Graduated
20. Ijhar Hidayat Rusli (GS20151)	Predicted Mean Vote in the Perimeter Zone West Facing Lecture Room With Unprotected Glazed Window.	2012	Graduated
21. Alina Aminuddin (GS25077)	Thermal Comfort Measurements at UPM Health Center	2013	Graduated
22. Altayeb Abdullah (GS29862)	Characteristics of Microchannel Heat Sinks With Different Shapes	2014	Graduated
23. Ali Driver (GS33237)	Development and Fabrication of Solar Powered Water Distiller.	2015	Graduated
24. Ali Jaber Abdulhamed (GS41633)	Experimental Investigation on Shell Tube Condenser for Solar Powered Water Distiller System	2016	Graduated
25. Mohamad Mahdi Boroojerdian (GS33209)	Pressure Coefficient As Selection of Wind Induced Roof Shapes in Wind Tunnel Study	2016	Graduated
26. Hanaa Kadhim Kareem Alsabahi (GS416340)	Potential Energy Harvesting From Air Conditioning Condenser Using Peltier Effect	2017	Graduated
27. Tengku Muhammad Fahmi Tengku Ibrahim (GS41979)	Design of Heat Exchanger for Portable Solar Powered Water Distiller Using Computational Fluid Dynamics	2017	Graduated
28. Abdullah Mohamed Abdulwahab (GS42119)	Determination of Air Gap Size for Optimum Refrigerator Efficiency Using Computational Fluid Dynamics	2017	Graduated

29. Chiam Huey Wen (GS44483)	Numerical Analysis of Aluminum Nitrate Nanofluid in Circular Ducts	2017	Graduated
30. Hadi Mahdizadeh (GS42284)	Numerical Analysis of Nanofluids Around Bends	2016	Submitted
31. Hairi Ponichan (GS47080)	Development of Energy Efficiency for Shah Alam (To submit)	2016	On going
Co Supervision			
32. Sam Torng	Onset of Convection in Porous Media Induced by Transient Heat Conduction.	1999	Graduated
33. Sengdao Wayakone	An Expert System for Fire Prevention in High Rise Building	1999	Graduated
34. Ting Kee hien	Simulation of The Onset of Convection in Non-Newtonian Liquid Thermal Boundary Layer.	2001	Graduated
35. Amir Ihsan Abd. Salam	Thermal Energy Storage Integrated District Cooling System Development Study of Simulation Program.	2002	Graduated
36. Yaaseen Rafeeu (GS20559)	Factors of Maximizing Solar Fraction Under Wet Climate Environment	2010	Graduated
37. Samira Zare Mohazabieh Rezaali (GS22875)	Thermal Comfort at Different Levels in Naturally Ventilated High-Rise Residential Building in Malaysia	2010	Graduated
38. Amar Ali Husein (GS21324)	Numerical Performance Evaluation of Plain Fin Tube Heat Exchanger Under Frosty Conditions.	2010	Graduated
39. Mohammad Izadi Najafabadi (GS31644)	Ignition timing estimation of homogeneous charge compression ignition engine using computational and experimental methods	2014	Graduated
40. Ahsanul Kaiser (GS32058)	The volume of displacement effect's on the performance of a HCCI engine using kerosene fuel	2014	Graduated
41. Haslina Hassan (GS30330)	Energy and Economic Analyses on Oil Palm Cultivation in Malaysia	2016	Graduated
42. Sadeq Rashid Nfawa (GS41171)	Effect of Rod Insert and Nanofluid on Heat Transfer Enhancement and Pressure Drop in Double Pipe Heat Exchanger	2017	Graduated
43. Naser AZS Alrashdi (GS46346)	Characteristics of Bio-Diesel produced from Animal Fat	2018	On going

Master Without Thesis

Name of Student	Title of Thesis	Year	Status
Master EREP			
1. Saadon Mokhtar (GS02304)	Kajian Tentang Perlaksanaan Sistem Pengesanan Kebakaran Berkomputer Di WP Kuala Lumpur	1999	Graduated
2. Matlin Sitam (GS02299)	Kajian Tahap Kesedaran Murid Sekolah Menengah Wilayah Persekutuan Kuala Lumpur Mengenai Bahaya Kebakaran	1999	Graduated
3. Zainuddin Md Alip (GS02302)	Mengesan Senario Kebakaran Bangunan Kerajaan di Wilayah Persekutuan Kuala Lumpur	1999	Graduated
4. Abu Hassan Sahadan (GS02315)	Sistem Cladding dan Pengadang Api Dua Jam	1999	Graduated
5. Dato Yusof Sidek (GS02308)	The Use of Combustible Materials in High-rise Buildings	1999	Graduated
6. Dato' Mohd. Husain Ahmad Takin (GS02296)	Passive Fire Protection, a Key Factor to Effective Fire Safety in High Rise Buildings,	1999	Graduated
7. Hamdan bin Ali (GS03932)	Quantitative Measurement of Smoke Testing - A Case Study	2000	Graduated
8. Tuan Abdul Rahman Tuan Muda (GS03981)	Fire Appliances Replacement System at the Fire and Rescue Department Malaysia	2000	Graduated
9. Leong Peng Seng (GS03933)	Safety Awareness at Petrol Kiosk – A Case Study	2000	Completed
10. Thin Voon Tuck (GS03954)	Evaluation of Residential Sprinkle System in the Klang Valley	2000	Graduated
11. Abd Razak Hj. Hussain (GS03922)	Implementation of Job Safety Analysis at A Petrol-Chemical Industry – A Case Study	2000	Graduated
12. Dato Mohd Din bin Rajad (GS03939)	Rumah Kos Rendah Dari Perspektif Keselamatan Kebakaran	2000	Graduated
13. Martin anak Entamin (GS03950)	A Study on Fire Safety of Longhouse in the Seblak Area, Sri Aman Division, Sarawak	2000	Graduated
14. Ching Eng Leong (GS04478)	Assessing the Skill of Factory Fire Squad Responding to Emergency at Sgi Way Free Industrial Zone, Petaling Jaya	2000	Graduated
15. Abdul Halim bin Yunus (GS048140)	The Climbing Drum Peel Test for Composite Adhesive Use in Eagle Aircraft	2000	Graduated

16. Mohd Zulnahy Kamaruzzaman	Assessment of 1008 Peat Fires in Selangor	2000	Graduated
17. Tee Siew Chong (GS03943)	A Study of False Alarm From CMS Serving Buildings	2000	Graduated
18. Lester Loke Yee Chong (GS 03898)	Fire Safety Audit of Dormitories in UPM Serdang	2000	Graduated
19. Shanmuga Silan a/l Thanaraj (GS05771)	A Study on Emergency Preparedness Among Squatters Community in Kg Kerinchi, Kuala Lumpur	2002	Graduated
20. Abdul Rahim bin Omar (GS05680)	Pemanasan Lebih di Bengkel Kimpalan and Fabrikasi Logam	2002	Graduated
21. Azhar b Mahmud (GS05679)	Ventilation Problem of a Metal Fabrication and Welding Workshop	2002	Graduated
22. Zulkifley Mansor (GS05672)	Comparative Study of Fiberglass Reinforced Pipe for Oil And Gas Processing Industries Based on Fire and Explosion Risk Analysis	2002	Graduated
23. Leo Ong Bah Lai (GS05667)	The Effectiveness of Hearing Conservation for Offshore Workers in an Offshore Oil and Gas Platform	2002	Graduated
24. Joyce Lau Lee See (GS05193)	Assessment of Passive Fire Protection of Government Boarding Schools (Asrama Sekolah Kerajaan) Melaka	2002	Graduated
25. Major (B) Ng Goot Seong (GS06661)	Assessing the Psychological Preparedness of Emergency Response Team (ERT) at Mobile Switching Centres (MSC) for Digi Telecommunications Sdn Bhd	2002	Graduated
26. Mohd Zaki Mohd Noor (GS10054)	Development of An Expert System for Hazardous Chemicals in Malaysia	2003	Graduated
27. Mohd Azam Mohd Salleh (GS10938)	Indoor Environmental Quality (IEQ) in MARA Vocational Training Workshops	2003	Graduated
28. Dato Muhammad Fuad Talib (GS08443)	Border Crossers at Pengkalan Kubor, Tumpat, Kelantan	2003	Graduated
29. Ir Mohd Habir Ibrahim (GS08987)	Indoor Air Quality at Batik Factories in Terengganu and Kelantan	2003	Graduated
30. Thomas Navamoney a/l DE Solomon GS08420)	A Study of Noise Exposure on Kuala Lumpur Traffic Point Duty Personnel	2003	Graduated
31. Mohamad Rozaki b Ahmad Rasyid (GS 07739)	A Study on High Noise Level Exposure to Employee at a Television Manufacturing Company in BB Bangi	2003	Graduated

32. Dennis Lim Kwang Keng (GS 06873)	CCTV in Public Places: A Case Study in Bangsar Kuala Lumpur	2003	Graduated
33. Dato' Othman b Harun (GS06686)	Indoor Temperatures of Discotheques in Peninsular Malaysia	2003	Graduated
34. Onn bin Ahmad (GS06685)	The 1996 Greg Disaster at Keningau: Police Experience	2003	Graduated
35. Ahmad Noordin b Ismail (GS06683)	Means of Egress in Discotheques in Peninsular Malaysia	2003	Graduated
36. Dato' Zakaria bin Abdullah (GS06678)	Indoor Air Quality in Discotheques in Malaysia	2003	Graduated
37. Dato' Othman Talib (GS06676)	Sound Pressure Levels and Its Hazards in Discotheques	2003	Graduated
38. Savarimuthu Kolandayan (GS07106)	Safety Audit of Automatic Carbon Dioxide System in High Rise Buildings at Kuala Lumpur	2003	Fraduated
39. Yahya b Salleh (GS06689)	Safety Level at The Vehicle Workshop Royal Malaysia Police	2003	Graduated
40. Nor Basha Idris (GS08423)	SHE Audit of ecotourism Spots from Tourists Perspective: Pantai Sri Tujuh and Pantai Cherating, Kelantan Case Studies	2003	Graduated
41. Lee Chin Loong (GS12982)	Unsafe Behavior of Patrons While Fuelling at Three Petrol Stations in Serdang	2004	Graduated
42. Abd Rahman Bakar @ Omar (GS12734)	Assessment of Fire Safety Installation in Malaysian Agricultural Research and Development Institute (MARDI) HQ Serdang	2004	Graduated
43. Tiong Koung Ching (GS12507)	Compliance and Awareness of the International Noise Code on Board Vessels Called at Bintulu Port From July-December 2003	2004	Graduated
44. Francis Christopher Jepiuh (GS12327)	An Assessment of SM-EP Preparedness and Effectiveness in Oil Spill Response	2004	Graduatedted
45. Darling Ho Thin Huat (GS12038)	Assessment of Fire Safety on Longhouses in Bintulu District Sarawak	2004	Graduated
46. Vasu Kawiri (GS11076)	ERP Preparedness at a Chemical Plant	2004	Graduated
47. Thomas Goh Chin Guan (GS11449)	Sungai Sarawak Regulation Scheme (SSRS)- Overview Of Hazards, Risks, and Problems in the safe Operation & Maintenance	2004	Graduated

48. Abdul Rahman Ghazali (GS12071)	Solid Waste Management of Kg Penderas Dumping SiteTanjong Malim District Council	2004	Graduated
49. Nazely Mohd Said (GS08429)	Police Deployment of Resources for the Sauk Bukit Jenalik Al Maunah Incident in 2000 Incident	2004	Graduated
50. Habibah Haji Abdul Manaf (GS08434)	Measurements of Carbon Dioxide, Carbon Monoxide and Lighting Level at BasementCar Parks in Klang Valley	2004	Graduated
51. Noor Azman Hj Mohamed (GS08442)	Evaluation of Safety Standard and Management of Police Lockup in the Klang Valley Police District	2004	Graduated
52. Hj Ibrahim Omar (GS08433)	Indoor Air Quality at Puduraya Bus Terminal	2004	Graduated
53. Abdul Mutalib Leman (GS10460)	Indoor Air Quality of Public Toilets in Malacca	2004	Graduated
54. Cha Hoong Fong (GS07740)	Occupational Risks of On Ground CID Detectives in a Police District	2004	Graduated
55. Salim Awadh Ahmed AlShanfari (GS10055)	Noise Weighted Averages for Workers at A Construction Site	2004	Graduated
56. Sanjay a/l Dharmalingam (GS12767)	Fire Safety Audit at MAMPU Putrajaya	2005	Graduated
57. Karthikeyan a/l Sinnaya (GS13683)	Emergency Response Plan at a Chemical Plant	2005	Graduated
58. Jimmy Anjang (GS15520)	Fire Preparedness at UPM Bintulu Campus	2006	Graduated
59. Zulkafli Zainuddin (GS 15264)	Risk Associated with Boiler: Case Study at Palm Oil Mill in Perak	2006	Graduated
60. Ahmad Naim bin Abdul Rahman (GS16153)	Evaluation of Disaster Management and Preparedness of an Integrated Petrochemical Complexin Kerteh Kemaman Malaysia	2006	Graduated
61. Raduan Serap (GS16272)	Maritime Traffic Study and Risk Analysis for the Senari Oil, Gas and Chemical Terminal (IOT Jetty) Kuching Using Simulations	2006	Graduated
62. Nazruddin bin Mat Ali (GS17286)	Passenger Lift Traffic Analysis in Office Buildings	2007	Graduated
63. Tan Yan Thian (GS17056)	Analysis of the Land Slide at Section 10, Wangsa Maju on 9 October 2006	2007	Graduated
64. Md Ridzuan bin Md Hamid (GS17112)	The Use of Zinc Sacrificial Anodes for Corrosion Protection of Steel Structures for Offshore Application	2007	Graduated

65. Nor Hisham Hassan (GS16630)	Evaluation of Fire Safety at Wesport Klang	2007	Graduated
66. P Adhirai Selvan s/o Pooshandrom (GS17625)	Development of Emergency Response Plan for A Precision Metalworks Company	2008	Graduated
67. Roslenda binti Hasan (GS17699)	Some Indoor Air Quality (IAQ) Parameter Affecting Health on Occupants in Office Building	2008	Graduated
68. Sy Mohd Shukri b Sy Ali (GS18206)	Types of Human Error During Loading/Unloading Operation at a Malaysian Marine Petroleum Terminal	2008	Graduated
69. Azrul Nizar bin Abdul Manaf (GS17721)	Emergency Response Planning for TADIKA & Taman Asuhan, Universiti Institut Teknologi Malaysia	2008	Graduated
70. Muhamad Akhbar Alhas bin Abdul Latif (GS36555)	Evaluation of Fire Safety at Engineering Faculty UPM	2014	Graduated
71. Saeed Jaber Abed Ali (GS39761)	Building time schedules for manufacturing textile by estimating production rates using simulation in Iraq	2015	Graduated
72. Yeap Nai Yik (GS39297)	Application of project management in bulding construction	2015	Graduated
73. Akpoka Endurance (GS34997)	Minimizing the environmental impact of ready-mixed concrete in Malaysia	2015	Graduated
74. Ali Sotoodeh (GS36569)	Total Quality Energy Management of KMP Universiti Putra Malaysia	2015	Graduated
75. Mohd Tarmizi Mat Asim (GS5506)	Strategic energy management and MS50001: 2011 compliance	2015	Graduated:
76. Amir Faisal Muhamad (35336)	Management of hydrogn sulphide G\gas (H ₂ S) incident at sewage treatment plant	2015	Graduated
77. Arzmi Abdullah (GS 37105)	Temporary assempbl poit for Petronas Twin Towers	2015	Graduated
78. Wan Nazaruddin Wan Mahmood (GS41429)	Comprehensive Evacuation Procedure During Flood At Manik Urai Lama Kuala Krai Kelantan	2015	Graduated
79. Aniza Mohd Anuar	HIRAC of Water Treatment Plant of Sg Terap Negri Sembilan	2015	Graduated
80. Kamalia Kamarud (GS40676)	HIRAC Onboard LNG Vessel	2015	Graduated
81. Mohd Ridzuan Mohd Arip (GS38885)	Evaluation of Fire Suppression System At Typical Plant	2015	Graduated

82. Sri Krishnan Nair a/l Sednevi (GS41845)	Developmeny of Safety HIRAC At KMP Welding Workshop	2015	Graduated
83. Mahdiah Fallanejad (GS41252)	Conceptual Design of Monkey Trap	2016	Graduated
84. Fatihallah Jaleel (GS40736)	Conceptual Framework for Introducing eGovernance for A Institution of Higher Learning In Iraq	2016	Graduated
85. Thineswaran A/L Sivanesan (GS44968)	Energy Efficiency of Compressor at Manufacturing Plant	2017	Graduated
86. Jiang Ying (GS42794)	Evaluation of Thermal Comfort at An Office	2017	Graduated
87. Muhammad Thaqib Kamaruzzaman (GS 44971)	Tier 1 Oil Spill Preparedness Assessment For Berantai Floating Storage & Off Loading (FPSO) Vessel By Using Retos Method	2017	Graduated
88. Ahmad Faiz Nor Hassan (GS 45905)	Evaluation Of Green Building At Wisma nMajlis Bandaraya Shah Alam, Selangor	2017	Graduated
89. Mohd Yusrizan Mohd Yusof (GS 45377)	Disemination Of Real Time Highway Incidents Cases Information: Awareness And Information Demand by Highway Users In Malaysia	2017	Graduated
90. Arash Fattahi (GS 46020)	Evaluation of Thermal Comfort at Engineering Libraray UPM	2018	Completed
91. Victor Tong Yong Sern (46534)	Vertical Green System (VGS): Passive Tool For Energy Savings in Buildings	2018	Completed
92. Theyazen Abdulrahman Saif Alqan (GS48622)	Determiation of the Delay FActyors in Marib 400Mw Gas Turbine Power Project	2018	On going
93. Munirah binti Zulkaple (GS46845)	Development of Checklist for Disaster Management of Volunteers in Malaysia	2018	On going
94. Omran Mohammadamien Adm (GS48924)	Hospital Preparedness for Fire Safety in Mekkah	2018	On going
Co Supervisor			
95. Mufida Ibrahim Al Mkhraem (GS08429)	Assessment of Safety and Health Complianceat the Engineering Faculty, Universiti Putra Malaysia	2004	Completed
96. Capt Hamzah Md Lazim (GS09666)	An Evaluation on the Adequacy of Disaster Management Preparedness of the Under Deck at the Integrated Stesen Sentral Kuala Lumpur	2004	Completed

97. Hamdan bin Abdul Hamid (GS11655)	Macro Level Assessment on the Adequacy of the Bintulu Port Emergency Response Plan	2004	Graduated
98. Lai Hon Kuan (GS11764)	Hazop Analysis for the Development of Standard Operating Procedures fro An Activated Sludge Wastewater Treatment Unit	2004	Graduated
99. Zamal bin Bujang (GS12051)	Evaluation of Fire Safety Management at Bintulu Port	2004	Graduated
100. Awang Jahmari Awang Junaidi (GS12126)	Member in Muslim Family in Bintulu District in Relation To the Sarawak Family Law Ordinance 1991 An Analysis Of Domestic Violence and Abuse of a Family	2004	Graduated
101. Cecil Lau Ning Kiang (GS11972)	Safety Implications of Illegal Extension and Its Relationship to the Usage of the Buildings	2004	Graduated
102. Wong Ching Kuing (GS12329)	A Study on Particulate and Black Smoke Emissions of Palm Oil Mill Boilers in Sarawak	2004	Graduated
103. Pat Kam Seng (GS05674)	Evaluation of the Emergency Preparedness of Local Authorities in Controlling Entry of Illegal Immigrants Into the District of Tawau Sabah	2003	Graduated
104. Ahmad Bakhtiar Kassim (GS06663)	Computer Crime Policing: Legislation versus Organization al Security Commitment	2003	Graduated
105. Omar b Marzuki (GS07853)	A Study on Emergency Response Preparedness Among Factory in the Emergency Mutual Aid Group at Nilai Industrial Area	2003	Graduated
106. Mohammad Hatta Rizal Mansor (GS07810)	Financial Risk Management in Offshore Helicopter Operation	2003	Graduated
107. Cheng Kim Choon (GS08751)	A Study on Wastes Reception Facilities Compliance in Malaysian Ports, Terminals and Shipyards Under MARPOL 73/78 Convention	2003	Graduated
108. Dato Abdul Aziz Ahmad (GS08466)	Emergency Preparedness of Security Guards at Drug Rehabilitation Centres in the Northern RegionOf Peninsular Malaysia	2003	Graduated

109. Mohd Feisal Libertus b Abdullah (GS08427)	Preparedness of the Kuala Muda Police District in Handling Public Order Situation from the POMAN Perspective	2003	Graduated
110. Edward Mongudal Koromol (GS08435)	Emergency Preparedness for Padas River Whitewater Rafting in Tenom, Sabah	2003	Graduated
111. Mohd Hazim Mohd Noordin (GS 04565)	An Evaluation of the Safety Management System Compliance Amongst Malaysian Major Hazard Industries	2002	Completed
112. Dato' Badaruddin Mat Isa (GS06692)	Evaluation of Life Safety Measures at Hospital Kuala Lumpur	2002	Graduated
113. Hasbullah Zakaria (GS06914)	A Study on Adopting International Convention on Oil Pollution Preparedness, Response and Cooperation Protocol for Hazardous and Noxious Substances	2002	Graduated
114. Ng Kok Kheng (GS 04763)	Emergency Response/Operating Procedure Competency and Evaluation of Human Error Potential at the Chemical Loading Bay of a Bulk Chemical Facility in Westport, Port Klang	2002	Graduated
115. Habbali bin Ibrahim (GS 05677)	Assessment of Active Fire Protection of Government Boarding Schools (Asrama Sekolah Kerajaan) Melaka	2002	Completed
116. Dato' Wan Mohd Nor Ibrahim (GS03947)	Emergency Planning and Preparedness in Hazardous Chemical Premises in Shah Alam, Selangor	2000	Graduated
117. Dato' Rusmani bin Muhamad (GS 03969)	Menilai Tahap Penyenggaraan Jalan Keluar Keselamatan Pusat Membeli-belah di Pulau Pinang	2000	Graduated
118. Tan Lian Soon	Psychological Preparedness of Bomba Hazmat Teams in West Malaysia for Emergency Hazmat Response	2000	Graduated
119. Major Mohamad Omar	Pelan Tindakan Kecemasan di Wisma Pertahanan Kementerian Pertahanan: Keselamatan Pengguna	2000	Graduated
120. Major (B) Mohd Shafri Ismail (GS04770)	Mengenal Pasti Akta Keselamatan dan Kesihatan Pekerja Di Dalam Kor Jurutera Letrik dan Tentera Darat Malaysia	2000	Graduated
121. Zamri bin Che Din (GS04043)	Mengkaji Tahap Persediaan Mencegah Kebakaran untuk Bangunan Kerajaan di Negeri Perlis	2000	Graduated

122. Saa @ Sa anak Tawi (GS03940)	Sungai Kejapi Water Catchment and Miri – Suai Pilot Project (MISPA) of Sarawak Intergrated Coastal Zone Management (IZCM): A Study on Ammonia Nitrogen And Nitrate-Nitrogen Concentration Level for Sungai Kejapi Raw Water	2000	Graduated
123. Dato' Soiman bin Jahid (GS03935)	Pengurusan Penyelenggaraan Sistem Mencegah Kebakaran Aktif (basah) di Bangunan	2000	Graduated
124. Major Azmee Hj. Ahmad (GS03926)	Pencemaran Radioaktif di Woksyop Pusat Angkatan Tentera: Langkah Keselamatan dan Tindakan	2000	Graduated
125. Md Salleh bin Sarhini (GS03968)	Kesediaan Pasukan HAZMAT Negeri Pulau Pinang Menghadapi Insiden Bahan Kimia Berbahaya	2000	Gtaduated
126. Deang A/L Enden Lem (GS02316)	Analisis Peningkatan Jumlah Kebakaran Semasa Musim Perayaan	1999	Graduated
127. Razali Awang Mat Salleh (GS02301)	Pelan-pelan Pencegahan Kebakaran Pasif Yang Dikemukakan untuk Kelulusan	1999	Graduated
128. Dato' Jaafar Sidek Tambi (GS02292)	Indonesian Forest Fire: The Malaysian Response	1999	Graduated
129. Dato' Hamzah Abu Bakar (GS02305)	Sistem Perlindungan Kebakaran Penyembur Air Otomatik: Satu Penilaian dari Aspek Keberkesanan Kos	1999	Graduated
130. Dato Ab. Ghani b. Daud (GS02300)	Penilaian Amalan Pencegahan Kebakaran di Bangunan Dalam Pembinaan	1999	Graduated
131. Muhammad Salleh Abdul (GS02311)	Penilaian ke atas Bahan Binaan untuk Dinding Dua Pihak Berdasarkan Peraturan dan Piawaian	1999	Graduated
132. Madzlan Hashim (GS02309)	Electrical Fire Hazard: Cause and Prevention	1999	Graduated
133. Mohd Puzi Tabot	Tahap Keselamatan Kebakaran Hotel Hotel di Wilayah Persekutuan Kuala Lumpur	1999	Graduated

Bachelor

Name	Title of Thesis	Year	Status
1 Isnurani binti Kassim @ Ismail	Menilai Pengudaraan Dalam Rumah HRC Dengan Kaedah Gas Pengesan dan Kaedah Perisian Komputer	1998	Graduated

2 Arbaah bte Abu	Mengenalpasti Masalah Pengudaraan di Masjid UPM	1998	Graduated
3 Nor Hazlin bte Mohammad	Ventilation Effectiveness of an Office at UPM Using the Tracer Gas Technique	1998	Graduated
4 Ahmad Fauzi bin Abdullah	Pengauditan Tahap Keselamatan di Unit Akademik, Fakulti Kejuruteraan	1999	Graduated
5 Muhamad Saidi bin Mat Ali	Audit Keselamatan Kebakaran di Pejabat Am II Fakulti Kejuruteraan	1999	Graduated
6 Nik Hanizan bin Nik Mat@ Nik Hassan	Rekabentuk Tingkap untuk Rumah Pangsa	1999	Graduated
7 Aliuddin Aziz	Power Consumption of Air Conditioner	1999	Graduated
8 Siva Kumar s/o Sivanesan	Maximizing Airchange Rate in the HRC (Middle House) Using Existing Facilities and CFD Simulation	1999	Graduated
9 A Vickneswaran	Design of Window for Single Storey House	1999	Graduated
10 Vijayajothi s/o Paramasivam	Optimization of Ventilation Rate in a Classroom	1999	Graduated
11 Ashari bin Haji Husin	Rekabentuk Tingkap Rumah Teres Bertingkat	1999	Graduated
12 Zamri Mat Daud	Pengalihudaraan di Bilik DKA 112	1999	Graduated
13 Daniel Leong Yue Loong	Modifications of a Portable Smoke Generator	1999	Graduated
14 Mohd Sal Salsidu	Rekabentuk Tingkap Untuk Rumas Teres Dua Tingkat	1999	Graduated
15 Mohd Haniff bin Dollmat,	Pengalihudaraan di Muzium Mini Peralatan Pertanian Tradisional UPM	2000	Graduated
16 Zaidi bin Abd Rahman	Kajian Sistem Pengalihudaraan di Masjid UPM	2000	Graduated
17 Afinde bin Othman	Analisis Terhadap Keperluan Jacket Kalis Api	2000	Graduated
18 Muhammad Nawawi Salleh	Pengalihudaraan di Rumah Tradisional Melayu	2000	Graduated
19 Sharul Nazren Shahrin	Sistem Pencegah Kebakaran (Sistem Gelung Hos)	2000	Graduated
20 Nor Irham bin Ismail	Sistem Pengumpulan Air Hujan untuk Rumah HRC	2000	Graduated
21 Romli bin Mohd	Design and Fabrication of a Sprinkler System for HRC	2000	Graduated
22 Sivasanker s/o Sambasivam	Expert System for Determining Comfort Level in Malaysia	2001	Graduated
23 Iskandar bin Abu Bakar	Rekabentuk dan Pemasangan Sistem Pemercik untuk Rumah Eksperimen HRC	2001	Graduated

24 Johan Ooi Keng Hee (PRIME College)	Noise Level Exposure to Workers and Patrons at a Shopping Complex in the Klang Valley	2001	Graduated
25 Mohd Khairul Idzwan Md Hamdan	Menggunakan CFD untuk Mengurangkan Keadaan Panas yang Tinggi dalam Bengkel Welding MFI	2001	Graduated
26 Raja Fadzli Shah bin Raja Hamzah	Sistem Pencegah Kebakaran (Sistem Gelung Hos)	2001	Graduated
27 Sufandi bin Mohd Johan	Merekabentuk dan Pemasangan Sistem Sprinkler di Rumah KPKT, Fakulti Kejuruteraan UPM	2001	Graduated
28 Muhammad Makki bin Ramli	Sistem Pengumpulan Air Hujan untuk Rumah Eksperimen HRC	2001	Graduated
29 Lee Say Ming	Design Fire Hose Reel in Block D Engineering Faculty	2001	Graduated
30 Ahmad Badri bin Rakhibi	Ventilation Effectiveness in Living Room of Experimental House	2001	Graduated
31 Muhammad Azuan bin Samsudin,	Menggunakan CFD untuk Mengurangkan Kepanasan Tinggi Dalam Makmal Mesin	2001	Graduated
32 Hasrulnizam bin Bahrin	Development of a Program for Temperature Profile of A Metal Rod	2002	Graduated
33 Huzairiyah bt Hussin	Performance of a Kitchen Exhaust Fan	2002	Graduated
34 Leong Koon Meng	Performance of a Domestic Kitchen Hood	2002	Graduated
35 Zaifulnizam Ahmad	Rainwater Harvesting for Sanitary Purpose at Block G Engineering Complex	2002	Graduated
36 Ling Yoon Yung	Conductivity of Interlocking Hollow Block	2002	Graduated
37 Mohd Zakuan b Abdullah	Ciri-ciri Halaju Udara Melalui Tingkap	2003	Graduated
38 Mohd Ismail bin Ali	Kajian Tinjauan Paras Kebisingan di Kompleks Kejuruteraan, UPM	2003	Graduated
39 Mohd Yusri bin Mohammad	Perfromance of Intergrated Data Acquisition and Monitoring Systems in Greenhouse Structure	2003	Graduated
40 Mohd Zakuan b Abdullah	Ciri-ciri Halaju Udara Melalui Tingkap	2003	Graduated
41 Mohd Ismail bin Ali	Kajian Tinjauan Paras Kebisingan di Kompleks Kejuruteraan, UPM	2003	Graduated
42 Mohd Yusri bin Mohammad	Perfromance of Intergrated Data Acquisition and Monitoring Systems in Greenhouse Structure	2003	Graduated
43 Law Poh Kiong (92398)	Air-change Determination in Building Using Tracer Gas Technique	2004	Graduated

44 Pheh Guan Choon (98441)	Determination of Optimum Ceiling Height for Terraced House in Serdang	2004	Graduated
45 Cheong Poh Wah (98418)	Indoor Air Quality at Basement Car Park Premises	2004	Graduated
46 Sallehuddin Hj Adenan (87956)	Thermal Comfort Evaluation Based on Types of Clothing Of Engineering Students at Engineering Faculty, UPM	2004	Graduated
47 Azman bin Md Yassin (87952)	Design Concept for Process of Raw Kaolin Based on Physical Properties	2004	Graduated
48 Rosmanira bin Ahmad (98791)	Design and Construction of Air Conditioning Ducting for Laboratory	2005	Graduated
49 Ng Lung Seng (109741)	Determination of Air Exchange Rate of Double Story Houses in Selected Houses Using Tracer Gas Technique	2006	Graduated
50 Ng Swee Heng (110536)	Determination of Indoor Air Quality Parameters of Selected Basement Car Parks	2006	Graduated
51 Low Yeow Siang (109669)	Determination of Air Exchange Rate of Selected Single Storey Houses in Serdang Using Tracer-Gas Technique	2006	Graduated
52 Lau Kian Huat (110692)	Determination of Engine Exhaust Gas and Carbon Monoxide and Carbon Dioxide Level of Some Cars KMP	2006	Graduated
53 Chai Lai Peng (110187)	Determination of Air Change Rate of Selected Staircases in Faculty of Engineering Using Tracer-Gas Technique	2006	Graduated
54 Mohd Nordin bin Badri (87613)	Indoor Air Quality of Some Offices at Engineering Faculty, UPM	2006	Graduated
55 Tan Hock Siong (114718)	Hot Air Extractor for Parked Car	2007	Graduated
56 Tan Chung Hiang (115684)	Development of Mobile Tracker for Temperature Measurement	2007	Graduated
57 Yap Kah Han (225632)	Determining the Minimum Ceiling Height for air Change Rate in the Terraced Houses in Klang Valley Using Tracer Gas Technique	2007	Graduated
58 Amir Adha Hj Kamaruddin (123190)	Adaptation of Mobile Tracker for Carbon Monoxide and Temperature Measurements	2008	Graduated
59 Mohd Khirol Izam bin Abd Rahim (124992)	Survey and Measurement of CO and CO ₂ Levels in North -South Highway Commuters' Cars	2008	Graduated
60 Hasrol Hasyrafudin bin Hamzah (127901)	Seepage of Carbon Monoxide and Carbon Dioxide in Cabin of a Car	2008	Graduated

61 Lau Kian Chay (124857)	Development of Darrieus Wind Turbine	2008	Graduated
62 Saw Loong Kang (130280)	Routes of Entry/Exit of Carbon Monoxide and Carbon Dioxide into Car Compartment	2009	Graduated
63 Goh Sind Hoi (130733)	Energy Audit of Office Equipment at Administration and Academic Block of Engineering Faculty UPM	2009	Graduated
64 Chuah Pui Xi (130479)	Energy Audit: Air Conditioning Abuse by Engineering Faculty Users	2009	Graduated
65 Syed Shafadilah bin Said Ahmad (133624)	Energy Abuse at Faculty of Engineering UPM	2009	Graduated
66 Mohd Ghafil Huzaili bin Isa (133249)	Energy Audit of Lighting at Engineering Faculty, UPM	2009	Graduated
67 Pah Pin Shang (138116)	Optimum Position for Shading Devices for A Parked Car	2010	Graduated
68 Mohd Nor Hanif (135461)	Air Exchange Rate In Stationary Car and Travelling in Serdang	2010	Graduated
69 Mohd Manfaluti Ahmad (135819)	Development and Fabrication of Solar Powered Kettle	2010	Graduated
70 Mohd Ashraf Mohd Jafri (135743)	Development and Fabrication of Solar Powered Iron	2010	Graduated
71 Wong Tai Fung (138303)	Mechanical Properties of Malaysian and Thailand Takraw	2010	Graduated
72 Mohammed Noor Firdaus B. Mohamad Arshad (140725)	Creep-Fatigue Tests for Selected Takraw Balls	2011	Graduated
73 Mohd Asyraf B AB Ghani (140530)	Determination of Temperature Inside Selected Takraw Shoes Before and After Game	2011	Graduated
74 Mohd Nashriq Idham Bin Abd Khany (140691)	A study on Mechanical Engineering Requirements for Takraw Shoes	2011	Graduated
75 Muhamad Akbar Alhas Bin Abdul Latif (146949)	Fire Safety Evaluation of Administration Block, Faculty of Engineering UPM	2012	Graduated
76 Kho Shun Jie (148377)	Performance Analysis of Radiant Slab Cooling System in A Tropical Building	2012	Graduated
77 Ahmad Bin Ibrahim (146594)	Fabrication and Testing on Solar Chimney	2012	Graduated
78 Muhamad Hafazi Bin Imanudin (149204)	Field Testing of Takraw shoes	2012	Graduated
79 Mohamad Afri bin Arsad (152867)	Evaluation of Occupants Thermal Comfort at A Radiant Cooled Office in Malaysia (Best FYP)	2013	Graduated

80 Afiq bin Zainuddin (153936)	Optimization of Energy Efficiency in Tropical Cafeteria Using Computatiobal Fluid Dynamixs	2013	Graduated
81 Ikhwan Hafiz bin Mohd Ramli (156685)	Potential of Induction Heating System And Its Heating and Cooling Rate	2014	Graduated
89 Pasupon a/l Murugan (160213)	Enhancement of Gutter System for Mechanical and Manufacturing Engineering Thermodybamics Laboratory in Engineering Department of Universiti Putra Malaysia	2014	Graduated
90 Mohd Ridhwan bin Abdullah (161672)	Determination of Optimum Height for Wall Fan	2015	Graduated
91 Mohd Amir Hazim Mohd Nazri (164372)	Determination of Heat Field for Induction Heater	2015	Graduated
92 Mohammadmehdi Avazpour (170292)	Determination of Temperature Profile Under Solar Panel With Different Numbber of Plants	2016	Graduated
93 Nur Fakhira Binti Ali (167486)	Evaluation of Thermal Comfort at Cafeteria of Engineering Faculty, Universiti Putra Malaysia	/2016	Graduated
94 Meral Kuses (ES00773) (Exchange Student from Turkey)	Characterization of a Solar Powered Water Distillar System	2016	Graduated
95 Hasanat Jamil Ul Haque (171724)	Heat Transfer Analysis Of An Energy Harvesting Bracket (Silver Medal for FYP)	2017	Graduated
96 Ahmad Ajwad Mohamad Nazif(174489)	Determination Of Thermal Conductivity Of Oil palm Frond	2017	Graduated
97 Muhamad Afiq Shafiq bin Matsari (177460)	Energy Harvesting from Shading Façade Intergrated Solar System	2018	On going
98 Ahmad Nashrudin bin Mazlan (176578)	Conceptual Design of Consultation Clinic from Refurbished Bus	2018	On going
99 Wong Shy Kit (180238)	Determination of OTTV for MPSA Building	2018	On going
100 Voon Yong Kang (176482)	Determination of Fin Design for Thermoelectric Bracket	2018	On going
BE (Agricultural)			
1 Malayappan s/o Pelendiapan	Design and Fabrication of A Portable Smoke Generator	1998	Graduated
2 Norrulfazli Mohd Yusof	Sifat Fizikal dan Reologi Buah Kopi damn Buah Malinjar	1990	Graduated
3 Abdul Raman Mohd Yasin	Merekabentuk Mrsin Peleraai Lada Hitam Menggunakan AUTOCAD	1990	Graduated

4 Che Wan Zamri Che Wan Sulaiman	Bahan Pembungkusan Buah Belimbing Semasa Pengangkutan	1989	Graduated
5 Razali Ismail	Pengubahsuaian Penanam Jagung	1988	Graduated
6 Jamal Nasir Othman	Ciri-ciri Getaran Buah Limau Dalam Kotak Buah	1988	Graduated
7 Nor Hassan bin Mohamad	Keanjalan Limau Langkat Dalam Menentukan Ciri-ciri Getaran	1988	Graduated
8 Kalsom Sailan	Kekuatan Buah Limau Dalam Menentukan Ciri-ciri Getarannya	1987	Graduated
9 Ali bin Mamat	Kekuatan Ricih Tanah Sawah Tepu	1987	Graduated

Examiner			
Role	Name of Student	Title of Thesis	Year
External Examiner PhD			
1. UTM	Mohammed	Development of Energy Efficiency Index for UAE	2018
2. UTP	Mohammed Aurybi (G02862)	Development and Fabrication of Solar Chimney	2018
3. UiTM	Khairilmizal Samsudin	Database Design and Integrated Disaster Management Online System for Lead Responding Agency in Malaysia During Response and Recovery Phase	2017 Dec
4. UKM	Fatemah Azizpour (P54679)	Thermal Comfort Studies At a Large Scale Hospital in the Tropics	2015 Sept
5. UiTM	Abdul Mutalib Leman	The Development of Industrial Air Pollution Monitoring Towards Sustainable Work Environment in Small and Medium Industries in Malaysia	2011 Feb
Internal Examiner PhD			
6. UPM	Norhidayah binti Mohd Ghazalli (GS44642)	Developing An Awareness Model for Women of the Safety Management Knowledge on Flood Disaster	2019
7. UPM	Thitima Na Songkla (GS42115)	Risk Assessment and Safety Management of Gas Stations in Southern Thailand	2018 Dec
8. UPM	Momtaz Isaak Hommod (GS38695)	Energy Analysis and Yield Modelling for Sweet Corn Biomass Production in Malaysia	2018 Feb
9. UPM	Kafei Abdulazeez Mohamed (GS40375)	Forced Convection Nano Fluids Through Corrugated Facing Step Channels	2017 Nov
10. UPM	Omar Faruqi bin Marzuki (GS36854)	An Experimental study on the Effects of Surface Roughness on Rotating Cylinder	2017

		and Magnus Wind Turbine in Low Speed Wind Condition	May
11. UPM	Ibeyeye Aminat Idowu (GS40715)	Evaluating the Impact of ventilation Mode on IEQ Performance and Occupants' Satisfaction in Malaysia Shopping Malls	2017 May
12. UPM	Muhamad Ibrahim – Nadir Bheekun (GS32468)	Development and Microstructural Analysis of A Novel single Layered Aerogel Based Thermally Sprayed Coating	2017 Apr
13. UPM	Syed mohammed Aminuddin Aftab (GS37733)	Experimental and Numerical study Implementing Humpback Whale Leading Edge Tubercles	2017 Mar
14. UPM	Ali Hassanzadeh Lilehkohi (GS25956)	Optimization of Material Selection and Thickness for Crashworthiness of Side Doors of Car	2017 Feb
15. UPM	Jayaseelan Nadarajah (GS32674)	A Framework Development for Effective Energy management in the Chemical Compound Processing Industry	2017 Jan
16. UPM	Riyadh Ibraheem Ahmad (GS33886)	Theoretical Foundation and Numerical Analysis on Coanda Effect for Micro –Air Vehicle	2016 Sept
17. UPM	Hee Choy (GS31642)	Corrosive Study and Modification of Aerosol Fire Extinguishing Agents and CFD Modelling of Fire and Aerosol	2016
18. UPM	Usman Bashar Zubairi (GS38434)	Design and Development for SRI SingleSeedling Transplanting Implement With Seedlings in Semi-Dried Clay Media	2016
19. UPM	Zhang XiaoTian (GS	Development and New Design of Non Corrosive Aerosol Fire Extinguishing Unit	2015
20. UPM	Mahmud Javadzadeh (GS22276)	Air Pollution Control of Ahwaz City by Improving Energy Efficiency.	2014
21. UPM	Ali Hassan Zadeh Lileh Koohi (GS25956)	Crashworthiness Determination and Investigation of Effect of Material and Thickness of Side Doors and B Pillar Subjected to Euro NCAP Side Impact and Pole Side Impact Test.	2014
22. UPM	Mahmoud Javadzadeh (GS22276)	Air Pollution Control of Ahwaz City by Improving Energy Efficiency	2013
23. UPM	Asghar Pishgani (GS16861)	Flow and Thermal Characteristics of Tangential Air Jet in a Sudden Expansion Channel.	2012
24. UPM	Masoud Dalman (GS18283)	Influences of Wind and Humidity on Thermal Comfort in Urban Canyons of Bandar Abbas, Iran.	2012
25. UPM	Mohamed bin Abd. Rahman (GS16042)	Physical, Mechanical and Thermal Properties of Pineapple Leaf Fibers (PALF)	2010

		and PALF-Reinforced Vinyl Ester Composites	
26. UPM	Gholamreza Esmaeilian (GS17989)	Development of a Model for Balancing of Mixed-Model in Parallel Assembly Lines (Type II).	2010
27. UPM	Siavash Talebi Taher (GS16821)	Experimental and Finite Element Simulation of an Innovative Crashworthy Composite Structure.	2009
28. UPM	Hambali Arep@Ariff (GS18371)	Early Decision Making Using Analytical Hierachy Process (AHP) at The Conceptual Design Stage Under Concurrent Engineering Environment.	2009
29. UPM	Edi Syams Zainudin (GS15967)	Thermo-Mechanical Properties of Banana Pseudo-Stem Filled Unplasticized Polyvinyl Chloride (UPVC) Composites.	2009
30. UPM	Abdalla F. Hamed (GS13417)	Experimental and Final Element Analysis of the Pressure Carrying Capacity for Reinforced Composite Material Tubes.	2008
31. UPM	Ammar Abdul Aziz Al Talib (GS08233)	A Stratified Integrated Solar Water Heater With a Triangular Shape.	2008
32. UPM	Mehdi Bayat (GS15720)	Linear and Nonlinear Thermoelastic Analysis of Functionally Graded Materials Axisymmetric Rotating Disks.	2008
33. UPM	Mohanad A.A. El-Harbawi (GS12402)	Design and Development of an Integrated Chemical Accident System for Monitoring Risk Potential of Hazard Installation.	2006
34. UPM	Harimi Mohamed (GS07008)	Numerical Optimization of Fibre to Shell Ratio.	2005
Chairman			
35. UPM	Khairul Azhar bin Mohammad (GS333786)	Theoretical Development of Creep-Fatigue Life Prediction of 316L Stainless Steel Pipe for Application in Heavy Industries.	2014
36. UPM	Mohamad Zaihirain Mohamed Rasin (GS15711)	Development of Manufacturing Cost Estimation Models for Early Order Stage.	2010
37. UPM	Ali T. Hasan (GS17149)	A Novel Trajectory Tracking Approach for Serial Robot Manipulator Passing Through Singula Configurations Based on Adaptive Inverse Kinematics Jacobian Method.	2009
38. UPM	Badrah Yussof (GS05106)	Minimizing Demurrage and Similar Charges in Port Klang by Developing an Expert System.	2008
39. UPM	Faisal Mohammed Seif Al-Shamiry (GS11500)	Modelling of Evaporative Cooling System in Naturally-Ventilated Tropical Greenhouses.	2006

40. UPM	Kassim Ali Abbas (GS07934)	A Heat Transfer and Quality Deterioration Study of Malaysian Pangasius Sutchi During Cold Storage.	2005
41. UPM	Ahmad Hamed Ibrahim Elfaig	Community Noise Pollution for Urban and Semi-Urban Areas: Analysis and Expert System Development.	2002

Master			
Role	Name of Student	Title of Thesis	Year
External Examiner			
1. UTP	Mohammed Abdullah Mutafti	Investigation on the Effect of Balconies Up Stand Structure on Smoke Contamination in Atrium Upper Balconies	2019
2. UKM	Zakaria bin Jusoh (P83950)	Pembangunan dan Kajian Prestasi Sistem Penyamanan Udara Kiraran Serapan Terbantu Suria	2017 May
3. Universiti Tun Hussein Onn	Ahmad Sayuti Zainal Abidin	Background concentration of airborne microbe in new constructed building	2014 Dec
4. UNITEN	K Narrein a/l Krishnasamy (SM21224)	Heat Transfer in Helically Coiled Tube Heat Exchanger Using Nanofluids	2012
5. UNITEN	Uthayashankar a/l Nagarajan (SM20915)	Mixed Convection Heat Transfer In Concentric and Eccentric Annulus Using Nanofluids	2012
6. UNITEN	Ashraf Abdulalem Mohammed Al-Aswadi (SM20814)	Convective Heat Transfer and Fluid Flow Study Over A Backward Facing Step Using Nanofluids	2011 Dec
7. Universiti Teknologi Petronas	Petrus Tri Bhaskoro	Effect of Adaptive Cooling Technique on Energy Usage Patterns of A Centralised HVAC System	2011 Aug
8. Universiti Malaysia Pahang	Ahmad Faiz bin Tharima @ Zainuddin	Determination The Cause of Structural Fire by Electrical Faults in Dwellings	2011 Jan
9. UPM	Salmi bin Samsudin (GS44607)	Effects of Efficiency Boiler Performance and Energy Audit in Subcritical Boiler with Different Types of Sub Bituminous Coal	2018
10. UPM	Hassan Sadah Muhssen (GS39557)	Numerical Simulation of Mixing Efficiency of CNG-Air for Dual Fuel Vehicle	2016
11. UPM	AmirHosein Sohrabiasl (GS31826)	Numerical Assessment of the Impact of Shading On Opaque Walls in Malaysian Condition	2015

12. UPM	Mohammad Sadegh Shahmohammadi (GS33396)	Modelling effects of different power generation policies on malaysia renewable energy target achievement: A system dynamics approach	2015
13. UPM	Rezvan Sadat Benrazavi (GS34122)	Pavement Materials Effect on Surface Temperature in Presint 2 Putrajaya Malaysia	2015
14. UPM	AmirHosein Sohrabiasl (GS31826)	Impact of Shading Wall on Heat Gain by Shading on Opaque Walls	2014
15. UPM	Metibogun Lesley (GS33429)	Green building index consultancies acceptance amongst developers and building consultants in residential building development	2014
16. UPM	Najihah Md Zain @ Abdul Rahman (GS30028)	Numerical modeling of homogeneous charge compression ignition engine for performance prediction	2014
17. UPM	Sahar Sojoudi (GS29694)	Pupil's Visual Comfort Under Daylighting in Malaysian Secondary School.	2014
18. UPM	Bidita Salahuddin (GS31389)	The effect of fuel additive on the preparation, characterization and exhaust emission of water in diesel nanoemulsion fuel	2014
19. UPM	Usman Bashar Zubairu (GS31781)	Design and Development of Single Seedling Nursery Tray for SRI Planting Machine	2013
20. UPM	Danial Goshayeshi (GS29737)	Human Thermal Comfort Differences Between Installing Polycarbonate and Opaque Roofing Materials in Bus Stops of UPM	2013
21. UPM	Farinaz Behrooz (GS20003)	HVAC Control System Using Fuzzy Cognitive Map.	2012
22. UPM	Salsabila Binti Ahmad (GS24699)	Dual-Axis Active Solar Tracking System With Angle Controller Utilizing Date and Time-Based Approach.	2012
23. UPM	Nastaran Makaremi (GS21392)	Thermal Comfort Conditions of Shaded Outdoor Spaces in Universiti Putra Malaysia.	2011
24. UPM	Maryam Hosseini (GS19927)	Experimental Determination of Fatigue Life for Elastomeric Materials	2010
25. UPM	Lim Hui Wah (GS14095)	Design and Stress Analysis at Pressure Vessel Using Finite Element Analysis (FEA)	2009
26. UPM	Mazin T. Muhssin (GS19655)	Development of Active Noise Control System Using State-Space Formulation.	2009
27. UPM	Mohamad Ridzwan Ishak (GS22580)	Mechanical Properties of Woven Sugar Palm Fibre Reinforced Unsaturated Polyester Composites.	2009

28. UPM	Nur Azida Che Lah (GS18800)	Improving The Fatigue Life of Fusion Welding Using Surface Engineering.	2009
29. UPM	Nadia Abdullah (GS16827)	Film Thickness Effects on Narrow Band Thermochromic Liquid Crystal Calibration.	2009
30. UPM	Mohd Zuhri Mohamed Yusoff (GS19244)	Mechanical Properties of Oil Palm Fibre-Thermoset Composites.	2009
31. UPM	Nasibeh Sadafi (GS17275)	Bioclimatic Design Assessment of Terrace Houses in Malaysia in Terms of Thermal Comfort Needs.	2008
32. UPM	Allen Lau Khin Kiet (GS17154)	Thermal Performance of Roofing Systems in Relation to Radiant Heat in Malaysian Residential Buildings.	2008
33. UPM	Saleem Na'mi (GS14974)	Finite Element Analysis of Hydraulic Bulging for Metal Tubes.	2006
34. UPM	Sharifah Junaidah Syed Omar (GS13432)	Recreational Parks Wheelchair Accessibility in Klang Valley: An Advocacy to Implement Malaysian Standard 1331.	2006
35. UPM	Eris Elianddy Hj. Supeni (GS07269)	Heating Value Evaluation for Palm Oil Boiler Fuel.	2004
36. UPM	Saleh Naser Abdussalam (GS08364)	Computational Analysis of 2-D Compressible Flow Around Turbine Cascade Using Gas-Kinetic BGK Scheme.	2003
37. UPM	Amir Ihsan Abd Salam	Techno Economical Aspects of Thermal Energy Storage Integrated District Cooling System	2002
38. UPM	Harimi Mohamed (GSO1103)	Development of Computer Program to Analyse Chemical Products Resulted From Incineration of Solid Fuels.	2000
39. UPM	Sengdao Wayakonr	An Expert System for Fire Prevention in High Rise Buildings	1998
Chairman			
40. UPM	Zainal Abiddin Shah bin Mattar (GS28640)	Welding Parameter Optimization and Finite Element Analysis of Residual Stress on Butt-Joint Weld	2013
41. UPM	Yogeswaran A/L Sinnasamy (GS21084)	Numerical Study of 2D Steady Incompressible Laminar Flow Over a Backward-Facing Step at Moderate Reynolds Number.	2012
42. UPM	Nor Hanifawati Binti Inai (GS25185)	The Mechanical and Physical Properties of Hybrid Banana Pseudostem/Glass Fiber Reinforced Polyester Composites.	2012
43. UPM	Pezhman Talaeizadeh (GS17729)	Proritizing Preventive Maintenance Activities Via Fuzzy Logic for a Bus Company.	2010

44. UPM	Marjan Bahrami Nasab (GS21404)	Finite Element Analysis of Human Knee and Effect of Different Biomaterials on its Biomechanical Performance.	2010
45. UPM	Nik Aizan Nik Abdullah (GS14745)	Design and Fabrication of Laminated Veneerlumber (LVL) Classroom Chair.	2010
46. UPM	Subashini a/p Vaciiveloo (GS18639)	Predicting Properties Values in Rating using Geographically Weighted Regression.	2010
47. UPM	Zainb Shaker Radif (GS20686)	Development of Combat Armor From Ramie Fiber.	2009
48. UPM	Aghdas Naimi Sadigh (GS22476)	Developing a Model for Supplier Selection Based on Loss Functions.	2009
49. UPM	Azim Ataollahi Oshkour (GS15628)	Investigation of Crack Propagation in Aluminium Tube Shells.	2009
50. UPM	Amirreza Fahim Golestaneh (GS16938)	Simulation of fatigue Crack Growth in Friction Stir Welded Joints of 2024-T351 Aluminium Alloy.	2008
51. UPM	Ahmad Syafik Suraidi Sulaiman (GS15496)	Effects of Evaporative on The Inside Microclimate of a Naturally Ventilated Greenhouse.	2008
52. UPM	Fairul Azhar Abdul Shukor (GS16909)	Design Optimization of Linear Oscillatory Actuator for Oil Palm Mechanical Power.	2008
53. UPM	Pouria Matorian (GS16823)	Parametric Optimization of Electrical Discharge Turning (EDT) Process Using Taguchi Method.	2008
54. UPM	Tan Lay Kim (GS10973)	Automated Electrical Power System Using X-10 Protocol.	2007
55. UPM	Norwazan Abdul Rahim (GS13155)	The Effect of Bulging on Crashworthiness of Front Platform for Natural Gas Vehicle.	2007
56. UPM	Amiruddin Abdul Kadir (GS14648)	Design, Analysis and Fabrication of Aluminium and Composite Hovercraft Prototype Hull Base.	2007
57. UPM	Suriani Mat Jusoh (GS10193)	Study of Interfacial Adhesion of Tensile Specimens of Arenga Pinnata Fiber Reinforced Composites.	2006
58. UPM	Siti Mastura Oyop (GS11780)	Compliance Audit on Safety, Health, Environment and Services for Ecotourism Sites in Malaysia.	2006
59. UPM	Irfan Abd. Rahim (GS12743)	Development of an Experimental Facility for Investigation of Flow and Heat Transfer Due to a Tangential Jet Flow in A Sudden Expansion Channel.	2005
60. UPM	Lim Che Kiong (GS11910)	Assessing The Coverage, Adequacy and Accessibility of Public Health Services for Malaysian Elderly: A GIS-Based Approach.	2005

61. UPM	Azizuddin Abd Aziz (GS13177)	Comparison Between Unitary and Central Cooling System of Faculty of Engineering, UPM.	2005
62. UPM	Januar Parlaungan Siregar (GS09418)	Tensile and Flexural Properties of Arenga Pinnata Fiber (Ijuk Fiber) Reinforced Epoxy Composites.	2004
63. UPM	Nagur Aziz Kamal Bashah (GS11473)	Implementation of Electronic Quality Management System (e-QMS) in The Manufacturing Industry.	2004
64. UPM	Wong Choon Tat (GS06287)	Design and Analysis of Plastic Injection Mould for Holder Casing.	2004
65. UPM	Saiful Iskandar Khalit (GS07639)	The Development of Expert System for Potential Instability Slope	2003
66. UPM	Alex Lim Kheng Hooi (GS05003)	Thermal Analysis of Sand Casting Process	2001

Examiner MS Without Thesis

Engineering Management			
GS47440	Ganadran a/l B Ganasegaraja Singam	Study on Lead Exposure on Workers of Lead Acid Battery Manufacturing Company in Malaysia via Environmental and Biological Monitoring	Jan 2018
GS42328	Mohamed Husin Abdullah Al Taher	The Performance of Exhaust Gas Recirculation (EGR) On A Single –Cylinder Diesel Engine Fuelled With B10 Biodiesel and Diesel	Jan 2017
GS43050	Assham Mohammed Amed	Numerical Investigation on Heat Transfer Enhancement in a Heat Exchanger Tube Fitted With Inclined Vortex Rings Inserts	Jan 2017
Emergency Response and Planning			
GS46950	Mohamed Sharizal bin Yahaya	Developing Quantified method for population Vulnerability Index to Flood Hazard	2018
GS46831	Norhisham bin Kamarudin	Knowledge Attitude and Practice of Disaster Preparedness Among Volunteers in Malaysia	2018
GS46856	Hairudin bin Hashim	HIRARC Study At School	2018
GS44117	Abdul Munir bin Abdul Munaim	A Study of Knowledge, Attitude and Practice (KAP) for Drought Preparedness in Northern Peninsular Malaysia	Jan 2017

GS45401	Siti Hafsa Ahmad Nor	Comprehensive Study on Fire Safety Improvement for INFOCOMM Development Centre	Jun 2017
GS43837	Noor Haryantie Noor Sidin	Data Integration Model for Multi Agency Assets in Disaster Logistics Management	Jun 2017
GS43585	Maniyammai Kumaresen	Awareness of Serdang Hospital Towards Internal Disaster Preparedness	Jun 2017
GS40190	Zairul Ain Zulkafli	Development of Disaster Action Plan for Hospital in Malaysia Pertaining to Critical Engineering Infrastructure Analysis	2016
GS40397	Mohd Noor Faizal Mohd Nadzir	Development of A Comprehensive Audit on Safety at A Residential College	2016
GS38735	Tan Wee Hing	Information Technology Disaster Recovery Planning for Education sector at Local Higher Education Institution in Malaysia	2015
GS37678	Palmarum Tambunan	Incident management Plan and Emergency response for LNG Process Plant in Indonesia	2015
Master Loss Prevention			
GS36090	Nur Faheza bt Yusof	Design Safety and Analysis of Pressure Vessel	2015
GS37366	Abdul Azim bin Jaafar	Hazard Assessment on Major Accident Hazards in Fabrication Yard	2015
GS39387	Vasudevan Varadan	Quantitative Risk Assessment for Refinery Storage Tank Falling	2015
GS39380	Samrah Khan	Office Ergonomics and Job Performance Among UPM Engineering Lecturers	2015
GS38797	Isokise Uduak Monday	Ergonomics Principles and Psychological Stress As It Affects Job Performance of Agents in A Customer Care Center	2015
GS39417	Mohd Ghaus bin Mohd Hashim	A Study of Occupational Stress Among Hazardous Material Team (HAZMAT) at Fire and Rescue Department Malaysia Shah Alam	2015
GS37986	Nina Fatma bt Ali	OSH Assessment in Palm Oil Mill Boiler	2015
GS39450	Kushala Priya a/p Ramachandran	Quantitative Assessment for Topside Fires on A Wellhead Platform	2015
GS39622	Nur Athirah bt Zainalazlan	Critical Analysis on Non Conformances on Chemical Handling in Chemical Based Engineering Laboratory at UPM	2015
GS39229	Mohd Syafiq Izwan bin Kamarudin	Safety and security in navigational hazards at Straits of Malacca	2015

GS38835	Muhamad Iqmal bin Md Rosilim	Red Phosphorous Application As Flame Retardant to Polymeric Materials Under Different Fire Behaviour and Properties	2015
GS41317	Afina bt Afandi	Prevalence of Musculoskeletal Disorder and Its Associated Factors Among Workers in Syringe Manufacturing Factory	2015
GS36959	Mahfuz Affif bin Mohd Roslan	Assessment on Students Knowledge , Behaviour and Safety Attitude in Chemical Laboratory At A Chemical Engineering Department of A Public University in Perlis	2015

Bachelor

Role	Name of Student	Title of Project	Year
Examiner	Edric Lo Zin Yiah 177231	Thermo and flow effect in casting process	2018
Examiner	Muhammad Rasydan bin Rusli 175698	Design and Development of Solar Powered Tricycle	2017
Examiner	Jamaiyah binti Mohamad Noh 172866	Vibration Transmission from Motorcycles Handlebar to the Hand Among University Students	2017
Examiner	Clearance anak Austine Anjiat 173043	Shock PZT Absorber Energy Generator	2017
Examiner	Meor Ilyasa Hariz bin Meor Zainal (171045)	A Study of Different Intake Manifold Designs for A Single Cylinder Spark Ignition Engine Using Computational Fluid Dynamics	2016
Examiner	Muhammad Hanuf bin Abu Kasim (167195)	Design of Sole Power Energy Generator	2016
Examiner	Muhammad Nur Ikhwan bin Mazli (168699)	Mechanical Design of Power Generator for Household Use	2016
Examiner	Muhammad Hariz bin Majid (163158)	Experimental Method Subject to Roll Over Test	2015
Examiner	Muhammad Azrol Amin Anuar (159231)	Evaluation on the interfacial reaction and shear stress of reinforced SAC405 paste with carbon nanotubes on cuboard	2014
Examiner	John Ka Yu Teck (156658)	Potential nanotechnology application in oilfield scaling mitigation	2014
Examiner	Ooi Chung Wee (162035)	Performance comparison of Compression ignition engine fuelled with diesel and biodiesel using CFD	2014
Examiner	Nurul Azren A Razak (164336)	Machining characteristic of thermal friction drilling process	2014
Examiner	Mohd Noor Arif Bin Abdul Razak (158424)	TRIZ Model for House Energy Saving	2014

Examiner	Muhamad Syukri Bin Abdul Khalid (156284)	Study of Scaling Inhibitor in Oil and Gas Industry.	2014
Examiner	Afiq bin Zainuddin (153916)	Optimization of Energy Efficiency in Tropical Classrooms using Computational fluid dynamics (CFD) simulation	2014
Examiner	Tang Wai Hong (152718)	Low Cost Design of Energy Saving Lighting System	2013
Examiner	Muhamad Ikhwan bin Mustafar (153417)	Study of Awareness and Practices in Green Sustainable Manufacturing in Malaysia	2013
Examiner	Tan Yee Lee (151651)	Design of an Automatic Gasing System Using Potential Energy Technique	2013
Examiner	Mohammad Syaiful bin Sharif (151601)	Design and Fabrication of Multi Axis Positioning System for Welding Process	2013
Examiner	Muhammad Zulkhairi B. Dzulkifli (140449)	Study on Interactions between Lead Free Solders and 90Pb-10Sn Solders on Bare Copper Substrates for High Temperature Usage (a)	2011
Examiner	Low May Ling (144133)	Study on Interactions between Lead Free Solders and 90Pb-10Sn Solders on Bare Copper Substrates for High Temperature Usage (b)	2011
Examiner	Chai Chin Ling (143142)	Detection of Bearing Damage Using Beamforming Technique	2011
Examiner	Adhitomo Sulisty (144538)	Early Detection of Diabetic Syndrome Using Vibration Perception Threshold (VPT) Method.	2011

Industrial Training

No	Matric	Name	Year
1	137946	Low Wei Chen	2008
2	143404	Yip Zheng Dao	2010
3	143063	Bong Sing Vui	2010
4	149961	Alexander J Chung Tshun Loong	2011
5	149273	Tung Choi Mun	2011
6	146594	Ahmad bin Ibrahim	2011
7	151932	Irrif Amir bin WR Kamarul Zaman	2012
8	152044	Mohd Asyraf bin Azmi	2012
9	154385	Chu Choy Hui	2012
10	159690	Chia Shee Jin	2013
11	164048	Chew Farn Yeong	2014
12	170292	Muhammad Mahdi Avazpour	2015
13	170744	Mohd Zulfikar bin Mohd Hatta	2015
14	171781	Muhammad Syami Farhan bin Md Zaki	2016
15	172216	Mohamadd Afif bin Mohd Nashrodin	2016
16	176578	Ahmad Nashrudin bin Mazlan	2017
17	178069	Thum Guan Wei	2017

Professional Services / Consultancy /Extension

	Date	Status	Role	Income	TITLE/CUSTOMER
1.	2010-2018	Ongoing	Chairman Examination Committee Lead Trainer MOU Key Personnel	1,588,750.00	Efeis (Electronic fire extinguisher Inpection System) Fire Extinguisher Competency Test, UPM/Bomba/MFPA Contributed RM1.46 million (national regional level)
	Date	Status	Role	Funds	TITLE/CUSTOMER
2.	2012 June	Completed	Leader	15,000	ERP and Hazop for Sunway Integrated Facilities Plant Johor Darul Takzim (15k)
3.	2011 Feb	Completed	Consultant Mentor	-	Air Purifier ADMI brand for model 9097C and 9097D Haz Services and Trading.
4.	2008 Jun	Completed	Indoor Quality Specialist	3000	IEQ Audit for Putrajaya's Office For JKR (PM's Office)
5.	25-30 February 2007	Completed	ERP/IAQ	-	External Consultancy on Integrated Training Manual on Green Productivity and OEHS for Government Technical Aid Program in 18 Asia Pacific Countries (APO)
6.	2006	Completed	Leader	10,000	Development ERP for Bank Negara
7.	2005	Completed	Leader	15,000	Development of ERP database for CRSM
8.	2005	Completed	Consultant	-	Request to be the Consultant of CRSM for Malaysian Chinese Association
9.	2004-2005	Completed	Dust and Noise Specialist	200,000	Baseline Study for Jabor and Sri Jaya Interchange, Karak-Kuantan Highway Baseline Study for Jabor and Sri Jaya Interchange, Karak-Kuantan Highway MTD
10.	2003 Sept	Completed	ERP Specialist	40,000	Petronas Bintulu Gas Bottling Plant, Emergency Response and Planning Report
11.	2003 Aug	Completed	ERP Specialist	100,000	Petronas Miri Crude Oil Terminal, Fire Safety Concept For Ranhill-Worley

12.	2002-2003	Completed	M & E Specialist	160,000.009(M&E)	Petronas R&R Bentong (PLC Consult Sdn Bhd)
13.	2001-2003	Completed	HRC IAQ Expert	1,580,000.00	Affordable Quality Housing Kementerian Perumahan Dan Kerajaan Tempatan (Putra Block) Gold Award Pameran Antarabangsa Teknik Inovasi dan Produk Baru ke-29, Geneva, Switzerland Project Value RM1.58 million
14.	2002	Completed	Leader	2,000.00	Noise Consultant for EIA Constuction of Mahkamah Complex Jalan Duta for JKR
15.	2002	Completed	IAQ Expert	10,000.00	CIDB Expert Panel on Safety, Health and Environment Evaluation Form 10k
16.	2002	UPM Holdings	M & E Specialist Completed	80,000	EIA of the Proposed Disposal of Sediment, Ringlet, Cameron Highlands
17.	2001-2004	Completed	Noise Specialist	500,00.00	EIA Baseline Study on Noise for East-West Highway For MTDC
18.	1999-2001	Completed	Indoor Air Quality and Fire ProtectionExpert	2,000,000.00	Interlocking Hollow Block Design, For Ministry ofHousing and Local Government (HRC)
19	1990-1991	Completed	Agricultural Engineering	500,000.00	Agricultural Master Plan for Selangor Darul Ehsan until 2020

Extension Works				
	Date	Status	Role	TITLE/CUSTOMER
	2017 22 nov	On going	Advisor	Advisor Asia Pre-Hospital and Fire Rescue Federation Association
1.	2017	Completed	ERP Specialist Speaker	Lafarge Holcim Malaysia Berhad,Rawang Plant
2.	2017	Completed	ERP Chief Observer	Lafarge Holcim Malaysia Berhad,Rawang Plant
3.	2017	Completed	Trainer ERP	Lafarge Holcim Malaysia Berhad,Rawang Plant
4.	2011 5 Apr	Completed	IAQ Specialist	Evaluate Report for Brain Gain of Arthur Victor Martin work on BluOxy System for Indoor Air Quality Ministry of Science and Innovation
5.	2011 Jan	Completed	Expert	Moderation of Exam Applied Thermodynamics for PE Professional Examination Institution Engineers Msia
6.	2010 - 2011	Completed	Expert	Institution of Engineers Malaysia committee on examination and training

7.	19 Mar 2010	Completed	Leader IAQ Specialist	35 Workshop Armour, Kem Syed Sirajuddin, Gemas, Negeri Sembilan
8.	2010	Completed	Expert	Facilitator for Writing Manuscripts Workshop for Publication UPNM
9.	2009	Completed	IAQ Specilist	JKR development of policy, strategy, and action plan formould;HVAC,and indoor air quality
10.	2009 Dec 9	Completed	ERP Specialist	Workshop Malaysian Safety and Health Report to United Nations, Medical Faculty UPM
11.	2009 Dec 7-8	Completed	IAQ Specialist	NIOSH Workshop Preparation of Exam Questions for Competency Test in Indoor Air Quality
12.	2009 Aug 17-18	Completed	IAQ Specialist	NIOSH Workshop Preparation of Exam Questions for Competency Test in Indoor Air Quality
13.	2009	Completed	IAQ Specialist	Evaluate Proposal for Brain Gain of Arthur Victor Martin Ministry of Science and Innovation
14.	2009 July	Completed	IAQ Specialist	Technical Advisory on Mechanical Ventilation and Air Conditioning on Indoor Air Quality for Industrial Code of Practice DOSH (policy)
15.	2009 Apr	Completed	IAQ Specialist	Workshop on Amendments to Indoor Air Quality Industrial Code of Practice for Malaysia DOSH (policy)
16.	2008	Completed	IAQ Specialist	Immigration Department, Malacca
17.	2006 2007	Completed	Indoor Air Quality Expert	Technical Adviser to Pusat Tenaga Malaysia for Ministry of Finance Audit
18.	2007 Jun	Chief Observer	National Security Council	Comprehensive ERP Drill for, LKL Sentral Sentul Timur
19.	2006 4 July	Completed	IAQ Adviser	SM Tinggi Segamat, Johor. Kajian Rekabentuk dan Fabrikasi Prototaip "Automotive Hot Air Extractor"
20.	2005 Dec	Completed	ERP Expert	Disaster Management and Governance Course for Senior Officers Ministry of Physical Planning Government of Sudan
21.	2005 June	Completed	IAQ Specialist	Forum Indoor Air Quality, The Institution of Engineers Malaysia
22.	2004 Dec	Chief Observer	National Security Council	Comprehensive ERP Drill for, LRT Sentul Timur
23.	2004- 2006	Completed	M & E Specialist	Merekabentuk Alat Pengesan Kehausan Brek Pad Hadapan, KUiTTHO
24.	2004 Sept	Completed	Adviser	Evaluation of Audiometric Laboratory in Kuala Lumpur
25.	2004	Completed	Leader IAQ Expert	Vibration and Noise Problem at a Salon in a Shopping Mall, Kuala Lumpur for PLC Network
26.	2004	Completed	Chief Judge	Innovation Competition Among MARA students at Institute Level Pekan Pahang
27.	2003	Completed	Judge	Innovation Competition Among MARA students at Institute Level at MIAT Sepang
28.	2002	Completed	Judge	Innovation Competition Among MARA students at Institute Level Melaka
29.	2001 Dec	Completed	External Expert	Malaysian Technology Development Corporation (MTDC) Technology Acquisition Fund (TAF) Malaysian Technology Centrem University Research Park
30.	2001 Nov	Completed	ERP Specialist	Development ERP for Contagious Diseases Ministry of Health
31.	2001 Apr	Completed	ERP Specialist	Development ERP for Health Centres Ministry of Health

32.	2001 Apr	Completed	ERP Facilitator	Hazardous Material Incident Command Emergency Response Awareness
33.	1999 Oct	Completed	ERP Specialist	Development ERP Plan for Staie of Sabah against Landslides
34.	1999 Sept	Completed	Judge	Udang Terbakar Fire Drill Oil Refinery Batu Berendam Melaka)
35.	1998	Completed	Leader	Identification of Problems with Ventilation in UPM Mosque, Submitted to Pusat Islam UPM
36.	1998 Jun	Completed	Judge	KLIA Fire Department /Fire Rescue Dept Malaysia ERP Drill for Fire

Products			
Year	Patent Granted	Patent Number	Name of Inventor
2013	Copyright	Occupational Safety and Health Risk Assessment	Khalina Abdan Nor Mariah Adam Azmi Yahya
2009	Turn Bridge	MY137382A	Ryspek Usubamatov Azmi Yahya Naphsiah Yahya Megat Mohamad Hamdan Megat Ahmad Rosnah Mohd. Yusoff Nor Mariah Adam
Patent Filing/Product			
2015	A Solar Water Distiller	UI2015704631	Dr. Nor Mariah Adam
2016	Secondary Fuel- Air Mixer for internal combustion Engine and Fuel Burner	PI2016703422	Dr. Barkawi Sahari Dr. Nor Mariah Adam
Product			
2003	Putra Block		Nor Mariah Adam Mohd Saleh Jaafar
2005	Internet-Based Expert System for Rating Off Ecotourism Sites		Mohamed Daud Mohd Zohadie Bardaie Abdul Rahman Ramli Husaini Omar Nor Mariah Adam
2012	Development of Solar Induced Ventilation		Abdul Razak Sopian

	Strategy in Hot Humid Climate		Wardah Fatimah Mohammad Yusoff Nor Mariah Adam Elias Salleh
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Awards					
No	Name of awards	Title	Award Authority	Award Type	Year
1.	Gold Medal	Development of Solar Induced Ventilation Strategy in Hot Humid Climate	Korea Invention Promotion Association, Seoul Inter-national Invention Fair 2012	International	2012
2.	Gold Medal	Putra Block	Geneva Switzerland	International	2003
3.	Mentioned	Putra Block	ITEX	National	2003
4.	Bronze medal	Development of Potential Solar Induced Ventilation Strategy in Hot Humid Climate	ITEX	National	2012
5.	Silver medal	Development of conductivity Meter for Nano-fluids	PRPI	UPM	2010
6.	Bronze medal	Design and Development of Fluidized Bed Gasifier Using Oil Palm Biomass for Energy Generation	PRPI	UPM	2007
7.	Bronze medal	Active Noise Control for Buildings Project leader with Researcher Aloysius DeCruz	PRP107 Pameran Reka Cipta, Penyelidikan, dan Inovasi 2007,	UPM	2007
8.	Bronze medal	Internet based Expert System for Solar System	PRPI	UPM	2006
9.	Silver Medal	Socio-technical Disaster Model of Malaysia	PRPI	UPM	2006
10.	Silver medal	The Adoption of Eco-net: The Internet based Malaysian Ecotourism Network and- Site Rating Expert	PRPI	UPM	2005

11.	Best Final Year Project	Evaluation of Occupants Thermal Sensation at A Radiantly Coded Office in Malaysia (Mohamad Afri Arsad)	Faculty of Engineering	UPM	2013
12.	Best Final Year Project Silver	Heat Transfer Analysis Of An Energy Harvesting Bracket (Hassanat Jamil Ul Haque)	Faculty of Engineering	UPM	2017
13.	Best MPOB Paper for 2005	Azali Awaluddin et al Main Supervisor	American Journal of Applied Sciences (Special Issue): 72-75, 2005	National	2005
14.	Best Master Thesis National Science Fellowship	Ting Kee Chien CoSupervisor	Simulations of Onset of Convection in a Non - Newtonian Liquid Induced by Unsteady State Heat Conduction	National	2001
15.	Excellent Service	Excellent Service 2001 Excellent Service 2010 Excellent Service 2013 2002=2014	UPM level UPM Level Head of Laboratory UPM level Faculty Level	UPM UPM UPM	2001 2010 2013
16.	Excellence in Teaching Award	Excellence in Teaching	Faculty level	UPM	200-2017
17.	Silver Medal	Pingat Jasa Bomba	Fire Rescue Department Malaysia	National	1998

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Publications

Author	Title	Journal	Year	Page	IF/CIJ
1 Ali Jaber Abdulhamed, Nor Mariah Adam, Zainal Abidin Ab Kadir, Aziz Hairudin	Review of Solar Parabolic Trough Collector Geometrical and Thermal Analyses, Performance and Applications	Renewable and Sustainable Energy Reviews	2018	Accepted RSER-D-17-00265R2	Scopus Q1 IF 8.67 ISSN: 1364-0321 Elsevier Publication
2 Osam H Attia, Nor Mariah Adam, Azizan As'arry, Khairil Anas Md Rezali.Ammar N Hanoon	Development of A Prediction Model for Output Power Reduction of PV Solar panels Based on environmental Parameters using Particle swarm Optimization Technique	Journal of Engineering and Applied Science	2018	Volume 13 In press	Scopus IF0.70 ISSN: 1816-949X Ann Abbor USA
3 Lip Kean Moey, Nor Mariah Adam	Wind tunnel study of Different Roof Geometry Configuartions for wind	International Journal of Applied	2018	Vol 13 No.5	Scopus ISSN:0973-4562

Kamarul Arifin Ahmad, Luqman Chuah Abdullah	Induced Natural Ventilation into Stairwell in Tropical Climate	Engineering Research		p 2635-2647 ISSN 09734562	Research India Publications
4 Ahmed MRN Alrashdi, Nor Mariah Adam, Abdul Aziz Hairuddin, Luqman Chuah Abdullah	A Review on Plasma combustion of Fuel in Internal Combustion Engines	International Journal of Energy Research	2018	Page 1-21 Accepted Dec 2017	DOI 10.1002/er.3964 Publisher John Wiley and sons
5 Hussein A Mahmood, Nor Mariah Adam, BB Sahari, SU Masuri	Development of a particle swarm optimization model for estimating the homogeneity of a mixture inside a newly designed CNG-H ₂ -AIR mixer for a dual fuel Engine: An experimental and theoretic study	Journal of Fuel	2018	Volume 217 p 131-150	ISI Q1 IF 4.601 ISSN: 00162361 Publisher Elsevier
6 Abduhamed, A.J., Adam, N. M., Hairuddin, A. A. and Kareem, H. K.	Design and fabrication of a heat exchanger for portable solar water distiller system	International Food Research Journal 23 Supplement	2018	Volume 23 S15 - S22 Accepted Dec 2016	Scopus Q2 IF:0.335 ISSN: 19854668 25820 ifrj@upm
7 Fnyees SMDA. Alajmi, Abdul Aziz Hairuddin, Nor Mariah Adam, Luqman Chuah Abdullah	Recent trends in biodiesel production from commonly used animal fats	International Journal of Energy Research	2018	Volume 42, Issue 3, p 885-902	ISI Q1 IF:2.43. ISSN:0363907X DOI:10.1002/er.3808 Wiley Online Lib
8 M Mkharem, NM Adam, EE Supeni and S Mustapha	Fire Severity Prediction Analysis of A Traditional Libya House Roofing Materials: A Case Study	Journal of Mechanical Engineering and Sciences	2018	Volume 11 Issue 3 P 2952-2966	Scopus ISSN:2289-4659 eISSN (online): 2231-8380 UMP Press
9 Alsanossi M Aboghrara, BTHT Baharudin, MA Alghoul, Nor Mariah Adam, AA Hairudin, Husam A Hasan	Performance Analysis of Solar Air Heater with Jet Impingement on Corrugated Absorber Plate	Journal Case Studies in Thermal Engineering	2017	Vol 10 p 111-120	Scopus Q1 IF:0.995 ISSN:2214157X Publisher Elsevier
10 HW Chiam, WH Azmi, NM ADAM, MKA Ariffin	Numerical Study of Nano-fluid Heat Transfer for Different Tube Geometries- A Comprehensive Review on Performance	Journal International Communications in Heat and Mass Transfer	2017	Vol 86 p 60-700	ISI Q1 IF:3.8 ISSN:0735-1933 Elsevier
11 HW Chiam, WH Azmi, NA Usri, Rizalman Mamat, NM Adam	Thermal Conductivity and Viscosity of Al ₂ O ₃ Nano-fluid for Different Based Ratio of water and Ethlene Glycol Mixture	Journal Experiemntal Thermal and Fluid Science	2017	Volume 81 p 420-429	ISI Q1 IF:3.079 iSSN:0894-1777 JCR Elsevier

12 Lim Chong Lye, Nor Mariah Adam, Kamarul Arifin Ahmad, Anvarjon Ahmedov	Cryogenic Pipe Flow Simulation for Liquid Nitrogen	Journal of Mechanical Engineering	2017	Vol SI 2(2), p 179-198	Scopus Q4 IF:0.101 ISSN:1823-5514 ISSN:2550-164X UiTM Press
13 Lim Chong Lye, Nor Mariah Adam, Kamarul Arifin Ahmad, Anvarjon Ahmedov	Derivation of Three-Dimensional Heat Transfer Mathematical Equations to Predict Conductivity of Insulation Systems for Liquid Nitrogen Pipe Flow	Journal of Mechanical Engineering	2017	Vol SI 2(1), p39-56	Scopus Q4 IF:0.101 ISSN:1823-5514 ISSN:2550-164X UiTM Press
14 Hussein Adel Mahmood, Nor Mariah Adam, BB Sahari, SU Masuri	Design of CNG-Air Mixer for Dual Fuel Engine Using Three Dimensional CFD Modeling	Journal of Computational and Theoretical Nano science (CTN)	2017	Volume 14 p 1 – 18	ISI Q3 IF:1.109 ISSN:1546 – 1955 American Science Publishers
15 Hussein A Mahmood, Nor Mariah Adam, BB Sahari, SU Masuri	New Design of CNG-H ₂ -Air Mixer for Internal Combustion Engines: an Experimental and Numerical Study	Journal of Energies	2017	Volume 10, Issue 9 p 1373 - 1399	ISI Q2 IF: 2.707 ISSN:1996-1073 doi:10.3390/en10091373 mdpi switzerland
16 Raduan Serap, Dayang Rabiah Awg Jabai, Assis Kamu, Diana Hassan, Nor Mariah Adam	Passengers Perception on Safety Level of Ferry Transport: A Case Study in Labuan Island Malaysia	Journal of Advanced Research in Social and Behavioral Science	2017	Volume 6 Issue 1 p 7-17	Scopus ISSN: 2462 1951 Akademia Baru Publishers
17 Lip Kean Moey Nor Mariah Adam Kamarul Arifin Ahmad	Effect of venturi-shaped roof angle on air change rate of a stairwell in tropical climate	Journal of Mechanical Engineering	2017	Volume 4(4) p 135-156	ScopusQ4 IF:0.101 ISSN: 1823-5514 ISSN: 2550 164X UiTM Press
18 Rosli Darmawan, Nor Mariah Adam, Nuraini Abdul Aziz, M Khairul Anuar M Ariffin	Investigation on alternative methods to enhance the cooling capacity of an open pool reactor	AIP Conference Proceedings Journal	2017	1799, 020012 Volume 1799 Issue 1 p 020012	http://dx.doi.org/10.1063/1.4972910 on line American Institute of Physics
19 Hussein Adel Mahmood, Nor Mariah Adam, B. BSahari, S. UMasuri	Investigation On The Air-Gas Characteristics Of Air-GasMixer Design For Bi-Engines	International Journal of Applied Engineering Research	2016	Volume 11, Number 12(2016), p 7786-7794	ISSN 0973-4562 IF 0.13 Research India Publications
20 Abdullah Mohamed	Experimental Works on the Influence of Malaysian	International Journal of	2016	Volume 11 Number 19	Scopus Q3 IF: 0.149

Abdulwahab, Nor Mariah Adam and Azizan As'arry	Kitchen Temperature on the Energy Consumption of Domestic Refrigerator	Applied Engineering Research		p10027- 10038	ISSN 0973- 4562 ISSN:0973- 9769 Research India Publications
21 Hussein Adel Mahmood, Nor Mariah Adam, BB Sahari, SU Masuri	Investigation on the Air- Gas Characteristics of Air- Gas Mixer Designed for Dual Fuel Engines	International Journal of Control Theory and Applications	2016	Volume 9(30) p195-216	Scopus Q3 IF:0.169 ISSN: 0974-5572 Int Science Press
22 Hussein Adel Mahmood, Nor Mariah Adam, BB Sahari, SU Masuri	Investigation on the Air- Gas Characteristics of Air- Gas Mixer Designed for Bi- Engines	International Journal of Applied Engineering Research	2016	Volume 11, Number 12 (2016) p7786- 7794	Scopus Q3 IF:0.149 ISSN: 0973-4562 eISSN:0973 -9769 Research India Publications
23 Nurhaiza Shahrir, Nor Mariah Adam, Mohd Khairul Anuar Ariffin	Preventive Maintenance Scheduling for Discrete Bottleneck Equipment in a Manufacturing Line Concept.	Advanced Engineering Forum Journal	2016	Volume 20 p 001-008	Scopus ISSN:2234 991X Publisher
24 M.W. Muhieldeen, N.M. Adam, B.H. Salman	Experimental and numerical studies of reducing cooling load of lecture hall	Journal Energy and Buildings	2015	Volume 89, p 163-169	Scopus Q1 IF 2.465 ISSN: 0378 -7788 Elsevier
25 Saud Al- Anbari, A. Khalina, Ali Alunuaimi, A. Nor Mariah, A.Yahya	Risk assessment of safety and health (RASH) for building construction	Journal Process Safety and Environmental Protection	2015	Volume 94, p149-158	Scopus Q1 IF 2.594 ISSN: 0957 -5820
26 Wardah Fatimah Muhammad Yusoff, Abdul Razak Sopian, Elias Salleh, Nor Mariah Adam, Suhana Johor	Application of solar induced ventilation prototype in small and medium enterprise building	Journal Indoor and Built Environment	2015	Volume 23(3) p 384-400	Scopus Q1 IF 1.716 ISSN:1420- 326X Sage journals
27 Azali A, Sapuan SM, Rahman SA, Adam NM, Hasan M, Enamel M	Temperature Profile of Produced Gas in Oil Palm Biomass Fluidized Bed Gasifier: Effect of Fibre/Shell Composition Ratio	Journal Bioprocess Biotech	2015	Volume 5, Issue 8 1000245 p 1-6	ISSN: 2155-9821 Open access JPBT
28 A.M Wahhad, N.M. Adam, S.M. Sapuan	Comparison of Numerical Simulation and Experimental Study on Indoor Air Quality of Air Conditioned Office Building in Desert Climate	Journal of Automotive and Mechanical Engineering	2015	Volume 12, p.3109- 3214	ISSN:2229- 8649 IF:0.445 Universiti Malaysia Pahang Press

29 Renny Eka Putri, Azmi Yahya, Nor Mariah Adam, Samsuzana Abd Aziz	Correlation of Moisture Content to selected Mechanical Properties of Rice Grain Sample	International Journal on Advance Science Engineering Information Technology	2015	Volume 5, p 264--267	Scopus IF 0.12 ISSN: 2088-5334
30 Chua Poh Choo, Juliana Jalaludin, Titi Rahmawati Hamedon, Nor Mariah Adam	Indoor Air Quality Assessment and Lung Functions Among Children in Preschool at Selangor, Malaysia	Journal Advances in Environmental Biology	2015	Volume 9(9) Special p 1-9	Scopus IF 0.216 ISSN:1998-1066 Australia
31 Chua Poh Choo, Juliana Jalaludin, Titi Rahmawati Hemdeon, Nor Mariah Adam	Preschools indoor air quality and respiratory health symptoms among preschool in Selangor	Procedia environmental Sciences Journal	2015	Volume30, p303-308	Scopus IF 0.218 ISSN: 1878 -0296
32 Ali Jaber Alkhakani, Hanaa Kadhim Alsabahi, Dr Abdul Aziz Hairuddin, Dr. Nor Mariah Adam	Effect of tube thickness for shell and tube heat exchanger in portable solar water distiller	International Journal of Engineering and Technology	2015	Volume 4, Issue 11, p37-42	ISSN: 2278-0181 ESRSA Publications India
33 Hanaa Kadhim, Alsabahi, Ali Jaber, Azizan As'array, Nor Mariah Adam	Review of potential thermoelectric energy harvesting using seebeck effect	International Journal of Engineering and Technology	2015	Volume 4, Issue 11 p173-177	ISSN: 2278-0181 ESRSA Publications India
34 Hayder Muhi Abbood, Eris Eliandy Supeni, Nor Mariah Adam	Energy Management in residential buildings in Iraq	Journal of Basic and Applied Research International	2015	Volume 15(3) p175-191	ISSN: 2395-3438 Australia
35 Saeed J. Abed Ali, Nor Mariah Adam, Eris E.B Supeni	A review of building time schedules for manufacturing textile by estimating production rates using simulation for Iraq case study	Australian Journal of Basic and Applied Sciences	2015	Volume 9(32) p 91-98	ISSN:1991-8178 AENSI Publications Australia
36 Altaie MAH, Janius RB, Rashid U, Yap TYH Robiah Yunus, R Zakaria, Adam NM	Performance and Exhaust Emission Characteristics of direct Injection Diesel Engine Fueled with enriched Biodiesel	Journal Energy Conversion and Management	2015	Volume 106 p 365-372	ISSN: 0196-8904 Elsevier Oxford UK
37 R. Serap, N.M. Adam, B.T.H.T. Baharudin, A.R. Ramli	Current Status of Audit on board Ferry services Operating between Labuan and Mainland (Sabah, Sarawak and Brunei)	Journal Applied Mechanics and Materials	2014	Volume 564, p19-24	Scopus ISSN: 1660-9336 Trans Tech Publications Switzerland
38 Ahmaet Ozsoy, Sabahattin	An Experimental Study on Double Glazed Flat Plat	Journal Applied	2014	Volume 564, p 204-209	Scopus ISSN: 1660-9336

Demirer, N.M. Adam	Solar Water Heating System in Turkey	Mechanics and Materials			Trans Tech Publications Switzerland
39 Qi Jie Kwong, Mohamad Afri Arsad, Nor Mariah Adam	Evaluation of Indoor Thermal Environment in a Radiant Cooled Floor Office Building in Malaysia	Journal Applied Mechanics and Materials	2014	Volume 564, p 228-233	Scopus ISSN: 1660-9336 Trans Tech Publications Switzerland
40 Tezara Cionita, Nor Mariah Adam, Juliana Jalaludin, Mariani Mansor, Januar Parluangan Siregar	Measurement of Indoor Air Quality Parameters in Daycare Centres in Kuala Lumpur	Journal Applied Mechanics and Materials	2014	Volume 564, p245-249	Scopus ISSN: 1660-9336 Trans Tech Publications Switzerland
41 M.M. Boroojerdian, N.M. Adam, A.S.M. Rafie	Wind Tunnel Study on the Pressure Coefficient Performance of Different Venturi Shaped Roof Configurations for Wind Induced Natural Ventilation	Journal Applied Mechanics and Materials	2014	Volume 564, p 287-291	Scopus ISSN: 1660-9336 Trans Tech Publications Switzerland
42 A.Zainuddin, N.M. Adam, I.H. Rusli, Q.J. Kwong	Simulation of Thermal Comfort Conditions of an Air Conditioned Cafeteria in the tropics	Journal Applied Mechanics and Materials	2014	Volume 564, p263-268	Scopus ISSN: 1660-9336 Trans Tech Publications Switzerland
43 Ahmed H. I. Elfaig, Mohamed Daud, Nor Mariah Adam, Mohd. Zohadie Bardaie Ramdzani Abdullah	Monitored Community Noise Pollution in Selected Sensitive Areas of Kuala Lumpur	International Journal of Scientific and Technology Research	2014	Volume 3, Issue 2 p 10-17	ISSN 2277-8616 IJST Publishers
44 Yusoff, W.F. M., Sopian, A.R., Salleh, E., Adam, N.M., Hamzah, Z. Mamat, M.H.H.	Using Computaional Fluid Dynamics in the Determination of Solar Collector Orientation and Stack Height of a Solar Induced Ventilation Prototype	Pertanika Journal of Science and Technology	2014	Volume 22(1): p 1 – 16	ISSN: 0128-7680 UPM Press Malaysia
45 NM Adam	Experimental Analysis of Mechanical Properties of Selected Takraw Balls in Malaysia	Movement, Health and Exercise	2014	Volume 3, p 57-63	ISSN: 2231-9401 Ministry of Education Malaysia.
46 Yusoff WF, Sopian AR, Salleh E, NM Adam and Hamzah Z	Mass flow rate of Induced by Combined Roof Solar Collector and Vertical Stack in Hot Humid Climate	Journal of Green Buildings	2014	Volume 9 Number 1 p. 166-177	ISI, Scopus ISSN: 1943-4618 IF 0.59 College Publishing Australia
47 Tuqa Abduleazzaq, Hussein Togun, MKA Ariffin, SN	Heat Transfer and Turbulent Fluid Flow over Vertical Double Forward-Facing Step	International Journal of Mechanical, Industrial	2014	Volume 8 Number 2, p1-5	Scopus IF 0.509 ISSN 2231 –6477

Kazi, A Badarudin, NM Adam, S Masuri		Science and Engineering			World Academy of Science, Engineering and Tech
48 AA Alfaryjat, HA Mohammed, Nor Mariah Adam, MKA Ariffin, MI Najafabadi	Influence of Geometric Parameters of Hexagonal, Circular and Rhombus Micro-channel Heat Sink on the Thermo-hydraulic Characteristics	Journal International Communicatio ns in Heat and Mass Transfer	2014	Volume 52, p 121 – 131	Scopus Q1 IF 3.8 ISSN: 0735 -1933 Elsevier
49 Qi Jie Kwong, Nor Mariah Adam, Tezara Cionita, Vijay R Raghavan, Mohd Dareq Abd Malek	Indoor Air Quality Assessment in a Radiantly Cooled Tropical Building: a Case Study	Iranian Journal of Public Health	2014	Volume 43 Supp No 3 p. 89-93	Scopus Q3 ISSN: 03044-4556 University Iran Press
50 Tezara Cionita, Juliana Jalaludin, Nor Mariah Adam, Januar Parlaungan Siregar	Assessments of Children's Health and Indoor Air Contaminants of Day Care Centre in Industrial Area	Iranian Journal of Public Health	2014	Volume 43, p. 81-88	Scopus Q3 ISSN: 03044-4556 University Iran Press
51 Khai Mun Ng, Nor Mariah Adam, Othman Inayatullah, Mohd Zainal Abidin Ab. Kadir	Assessment of solar radiation on diversely oriented surfaces and optimum tilts for solar absorbers in Malaysian tropical latitude	International Journal of Energy and Environmental Engineering	2014	Volume 5(1) p1-13	ISSN: 2251-6832 Springer Publishers Open access
52 Zohreh Pourzolfaghar, Rahinah Ibrahim, Rusli Abdullah, Nor Mariah Adam	A Technique to Capture Multi-Disciplinary Tacit Knowledge During the Conceptual Design Phase of a Building Project	Journal of Information & Knowledge Management	2014	Volume 13(2) p 1450013-1 1450013- 16	ISSN: 1793-6926 World Science Publishing Company
53 R. E. Putri, A. Yahya, N. M. AdMm, S. Abd Aziz and T. A. Ishola	Calibration and Accuracy Determination of a Microwave Type Sensor for Measuring Grain Flow	Journal of Advanced Materials Research	2014	Volume 931-932 p 1592- 1596	Scopus ISSN: 1662-8985 Scientific- Net
54 Tezara C, Adam NM, Juliana J, Mariani M, Siregar JP	Monitoring of the Indoor Air Quality Parameters in The Day Care Centers in Tropical Country	International Journal of Mechanical Engineering	2014	Volume 3 Issue 1 p 47 -52	ISSN: 2319-2240 Int Academ of Science Engineering & Tech India
55 Qi Jie Kwong, Nor Mariah Adam. Sind Hoi Goh, Vijay R Raghavan	A study on energy efficiency improvement opportunities for plug loads in buildings in the equatorial region	Journal Energy Procedia	2014	Volume 65 p 621-633	Scopus ISSN: 1876 -6102 Elsevier
56 Ali M Wahhad, Nor Mariah Adam , SM Sapuan and Ahmad Alarabi	A Thermal Study of Modern Office Building in Desert Climate in Southern Libya	Journal of Food, Agriculture and Environment	2014	Volume 12 Issue 2 p 1153- 1158	IF 0.26 ISSN:1459- 0255

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57 Qi Jie Kwong, Nor Mariah Adam, BB Sahari	Thermal Comfort Assessment and Potential for Energy Efficiency Enhancement in Modern Tropical Buildings: A Review	Journal Energy and Buildings	2014	Volume 08 p 547-557	Scopus Q1 IF3.666 ISSN: 0378 -7788 Elsevier Publications
58 Saud Alanbari, Khalina A Ali Al Nuaimi Nor Mariah A, Yahya A.	Safety and Health Risk Assessment At Oman Building Construction Projects	International Journal of Research in Engineering and Technology	2014	Volume 3 Issue 3 p 571-578	Scopus IF 3.86 ISSN: 2321-7308 Impact Journal Publications
59 Solomon O Giwa, Luqman A Chuah and Nor M Adam	Fuel Properties and Rheological Behaviour of Biodiesel from Egusi (Colocynthis citrillus L) Seed Kernel Oil	Journal Fuel Processing Technology	2014	Volume 122 P42-48	Scopus Q1 IF 3.752 ISSN: 0378-3820 Elsevier
60 Solomon O Giwa, Luqman A Chuah and Nor Mariah Adam	Transesterification Reaction Optimization And Evaluation of Biodiesel Produced From Seed Oil of Colocynthis Citrullus L	Journal Advances in Energy	2013	Volume 1 Issue 1, p1-9	ISSN: 2287-6316 Techno Press Korea
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61. Adam NM and SB Riffat, "Flow of Aerosol Particles Through Large Openings", Proceedings 14th AIVC Conference, Copenhagen, Denmark, 21-23 September 1993, p 433-466
62. Muhammad Nur A and NM Adam, "Engineering Curricula at UPM for the Agricultural and Food Industries", Proceedings International Conference on University-Industry Interaction, Putra World Trade Centre, Kuala Lumpur, 21-23 August 1990 Paper ID Education slot Paper No. 3
63. Adam NM and A Muhammad Nur, 'Cocoa Bean Shell As A Potential Energy Source for Pre-Roasting Cocoa Nibs", Asia Pacific Regional Conference on Engineering for the Development of Agriculture, Universiti Pertanian Malaysia, Serdang Selangor, 5-7 June 1990, p 545-553
64. Muhamad Nur A and NM Adam, "An Engineering Curriculum for Enhancing the Malaysian Food Industry – A Challenge", AEESEAP – Joint international Conference on Engineering Education, City Bay View Hotel, Penang, 22-24 May, 1990, p 22
65. Adam NM and TH Burkhardt, "Impact Testing of Navy Bean Pods", Summer Meeting American Society of Agricultural Engineers, California Polytechnic Institute, San Luis Obispo, California, 29 June – 2 July, 1985, Paper ID 86-3026

Book:

Editor Proceedings AREL Seminar 2008 ISBN 978-983-42756-9

Editor Research Methods 2012 Lulu Publishers ISBN

Editor Post Graduate Seminar on Research Methods ISBN: 978-983-2408—54-3

Editor Post Graduate Proceedings: Thermofluids and Energy ISBN:978-983-2408=55-0

Editor Post Graduate Seminar on Research Methods ISBN: 978-983-2408—59-8

Review Journal Manuscripts

	Name of Journal	Title of Paper	Year
1	Journal of Engineering Science and Technology (JESTEC)	Effect of Liquid salt Bath Nitrocarburizing on Mechanical Properties of low Alloy Sintered Steels	2018
2	Journal of Fire Sciences	Tenability Analysis for Improvement of Firefighters' Performance in a Methane Fire Event at a Coal Mine Working Face (final editing)	2018
3	Journal of Nanostructure in Chemistry	JNSC-D-17-00090 Thermo-physical Profile of Copper Oxide Nanoparticles Dispersed in Aqueous Ethylene Glycol Publisher:	2017
4	Energy and Buildings	ENB-D-15-02184R1 Applicability of Using Time Series Subsequences to Study Office Plug Load Applications	2017
5	Energy Research Journal	#212-ERJ Feasibility Study of Renewable Energy Technology Integration in Housing Sector: A Real Application in Saudi Arabia Publisher:	2017

6	AJEAS	#1611-AJEAS A Numerical Simulation and Parametric Study on an Internal Combustion Micro Engine	2017
7	Journal of Fire Sciences	Tenability Analysis for Improvement of Firefighters' Performance in a Methane Fire Event at a Coal Mine Working Face	2017
8	American Journal of Engineering and Applied Sciences	Management of Renewable Energies and Environmental Protection	2017
9	Journal Renewable Energy	RENE –D-01949 Multi Objective Unit Commitment With Voltage Stability and PV Uncertainty	2017
10	Journal Energy and Buildings	Methodology for the Reduction of Energy demand During Cold Stabilisation in the Wine Industry	2016
11	Journal of Engineering Science and Technology (JESTEC)	Determining the Optimum Operating and Design Parameters of An Air Conditioning System: A Simulation Study, Elsevier	2015
12	Journal of Engineering Science and Technology (JESTEC)	Assessment of Climate Change Impact on the Required Cooling Load of the Hospital Buildings Elsevier	2015
13	African Journal of Food Science (AJFS)	Comparison of local Namibian Oils Against Commercial Sunflower Oil	2015
14	Agriculture and Agriculture Science Procedia	ID 86 Engine Waste Heat and Its Availability for Drying Farm Crops	2015
15	Agriculture and Agriculture Science Procedia	Solar Energy in Iraq	2015
16	Journal of Facilities	User-driven Innovation as A New Facilities Management Approach for Energy Efficiency in Buildings	2014
17	Advances in Mechanical and Manufacturing Engineering	Validation of Flow Impact to Detect the Energy Loss in Ball Valve	2014
18	Advances in Mechanical and Manufacturing Engineering	Boiler Efficiency with Automatic Control of Air Quantity In A Combustion Chamber	2014
19	Advances in Mechanical and Manufacturing Engineering	Effects of Physicochemical Parameters on Colloidal Potentials	2014
20	Advances in Mechanical and Manufacturing Engineering	Pyrolysis of Saudi Arabian Date Palm Waste: A Viable Option for Converting Waste Into Wealth	2014

21	Advances in Mechanical and Manufacturing Engineering	Heat Transfer Analysis of In-Wheel Electric Motor Housing With Different Cooling Fin Arrangement Using ANSYS	2014
22	Advances in Mechanical and Manufacturing Engineering	Effect of Operating Temperatures on Thermal Conductivity of Polystyrene Insulation Material: Impact on Envelope Induced Cooling Load	2014
23	Advances in Mechanical and Manufacturing Engineering	Indoor Air Quality Monitoring and Cooling Energy Usage in Hotel Restaurant Malaysia	2014
24	Jordan Journal of Mechanical and Industrial Engineering	Combustion Analysis Knock Determination in Single Cylinder Bi-Diesel Engine Using Vibration Signature Analysis	200 Jan
25	Jurnal Mekanikal	Air Flow Characteristics Come Out Textile Orifice With Closed End	2011 Feb
26	International Journal of Engineering and Technology (IJET)	IJET-MAE-08-005 Thermal Building Modelling Using MATLAB/Simulink	2008 Sept
27	International Journal of Engineering and Technology	IJET-MAE-07-0014 Natural Cooling of Building Using Phase Change Material	2008 Jun
28	International Journal of Engineering and Technology	2008: IJET-MAE-07-0013 Performance of A Grid-Connected Photovoltaic Systems in Malaysia	2008 Jan
29	The Institution of Engineers, Malaysia:	A Hybrid Active Power Filter Connected to a Photovoltaic Array	2006Sept
30	Pertanika	Microwave Assisted Preparation of Sodium Silicate from Coal Ash Silica Source	2006
31	Pertanika	:An Experimental Study on Solar Flat Plate Collector with Alternate Working Fluid	2004Nov
32	The Institution of Engineers, Malaysia	Effects of Fuel Additive F1-2020 on the Performance of the Internal Combustion Engine	2004Jun
33	The Institution of Engineers, Malaysia	Kajian Perbandingan Ram Lengkung dan Ram Rata bagi Pemusar Aliran Jejarian dalam Mengurangkan Emisi,	2004May
34	The Institution of Engineers, Malaysia	Daylight Modeling and Thermal Performance of Atrium of New MECM Building at Putrajaya	2004 Mar
35	Pertanika	Mapped Coordinate Transformation for Numerical Solution of Transient Natural Convection	2004 Feb
36	Pertanika	Greenhouse Time Constant and the Use of the Steady State Assumptions,	2002Dec

	Name of Conference	Title of Paper	Year
1	International Conference of Sustainable Agriculture for Food, Energy and Industry in Regional and Global Context 25-27 August 2015 UPM	ID 86 Engine Waste Heat and Its Availability for Drying Farm Crops	2015
2		ID 192 An Experimental Study on Improving the Performance Solar Still With A Double Slope	2015
3	International Conference on Advances in Mechanical and Manufacturing Engineering November 26-28 2013 Kuala Lumpur	Validation of Flow Impact to Detect the Energy Loss in Ball Valve	2013
4		Boiler Efficiency with Automatic Control of Air Quantity In A Combustion Chamber	2013
5		Effects of Physicochemical Parameters on Colloidal Potentials	2013
6		Pyrolysis of Saudi Arabian Date Palm Waste: A Viable Option for Converting Waste Into Wealth	2013
7		Heat Transfer Analysis of In-Wheel Electric Motor Housing With Different Cooling Fin Arrangement Using ANSYS	2013
8		Effect of Operating Temperatures on Thermal Conductivity of Polystyrene Insulation Material: Impact on Envelope Induced Cooling Load	2013
9		Indoor Air Quality Monitoring and Cooling Energy Usage in Hotel Restaurant Malaysia	2013
10		Green Building : Case Study of Diamond Building Energy Commission Malaysia	2013
11		Potentials of Waste Utilization for More Efficient Biogas Production in Hungary	
12	Regional Symposium for Engineering and Technology (RSET2011) 21-23 November 2011	Recreational Water Wheel for Green Energy Generation (Part I)	2011 Oct
11	World Engineering Congress 2010, 2 – 5 August Kuching	Current State and Future Perspectives of Biomass in the European Union Focusing on Combined Heat and Power (CHP) Application	2010
		The Current State and Prospects of Alternative and Renewable Energy Sources in Azerbaijan	2010
		A Review on the Design and Fabrication Techniques of Electromagnetic Energy Harvester	2010
		Solutions for Connecting Wind Energy Sources to the US Power Grid Solutions for Connecting Wind Energy Sources to the US Power Grid	2010
		Earthquake and Tsunami Research in USM: The Role of Disaster Research Nexus	2010

		Impact of Natural Gas Price Subsidies on Renewable Electricity Generation Mix in Malaysia	2010
	World Engineering Congress 2007 5 – 9 August Penang	An Experimental Study on the Effect of the Collector Glass Cover on the Performance of the Stratified-Integrated Solar Water Heater with a Triangular Shape	2007
		Characteristic Features of Carburised Layer in Nitrided Steel	2007
		Development of an Innovative Three Way Catalytic Converter – Effort and Challenges	2007
	CIBSE National Conference 29-30 Sept, 2004, Excel, London Docklands, United Kingdom	Integration of Sustainability Issues in the teaching at the Faculty of Built Environment in Malaysia	2004 April
	World Engineering Congress, 2002 Subang Jaya 19-22 July	Determination of Heating Value of Boiler Fuel of a Palm Oil Mill	2002
		Performance and Emission from a Commercial High Speed Diesel Engine Fueled with Waste Cooking Oil	2002
		Heat Transfer and Fluid Flow Studies in the Thermo-syphonic Solar Hot Water with Integrated Storage System	2002

1. Referee for IEM Journal, The Institution of Engineers, Malaysia: May 2004

Awards and Recognitions

No	Name of awards	Title	Award Authority	Award Type	Year
1.	Gold Medal	Development of Solar Induced Ventilation Strategy in Hot Humid Climate	Korea Invention Promotion Association, Seoul International Invention Fair 2012	International	2012
2	Bronze medal	Development of Potential Solar Induced Ventilation Strategy in Hot Humid Climate	ITEX	National	2012
3	Silver medal	Development of conductivity Meter for Nano-fluids,	PRPI	UPM	2010
4	Bronze medal	Design and Development of Fluidized Bed Gasifier Using	PRPI	UPM	2007

		Oil Palm Biomass for Energy Generation			
4	Bronze medal	Internet based Expert System for Solar System	PRPI	UPM	2006
5	Silver Medal	Socio-technical Disaster Model of Malaysia	PRPI	UPM	2006
6	Best MPOB Paper for 2005		American Journal of Applied Sciences (Special Issue): 72-75, 2005	National	2005
7	Best Master Thesis National Science Fellowship	Ting Kee Chien CoSupervisor	Simulations of Onset of Convection in a Non - Newtonian Liquid Induced by Unsteady State Heat Conduction	National	2001
8	Excellent Service	Excellent Service 2001 Excellent Service 2010 Excellent Service 2013 2002=2014	UPM level Head of Laboratory UPM level	UPM UPM UPM	2001 2010 2013
8	Excellent Teaching Award	2001-2014	Faculty level	UPM	
10	Pingat Jasa Bomba	(Silver Medal)	Fire Rescue Department Malaysia	National	1998
11	Silver medal	The Adoption of Eco-net: The Internet based Malaysian Ecotourism Network and-Site Rating Expert	PRPI	UPM	2005

International recognition

	Title/Customer	Status	Role	Date
1	Invitation from Public Authority for Applied Education and Training of Kuwait for Mechanical Engineering Department Vocational Training Institute Kuwait	Completed	Advisor/Supervisor	10 – 14 November 2015
2	Master Emergency Response and Planning (First in the world at Master level)	On going	Founding Secretary Committee member	1997 – to date

3	Mavlena Program from Sakarya University Turkey Prof Vidat Ari	Completed	Energy Expert	28 January 2015
4	International Forum for Collaboration of Women Scientist in Asia, Organiser Mie University, Japan (Representative for Malaysia) Fully Sponsorship value 527, 260 yen	Guest Speaker	Scientist	18-22 Dec 2008
5	Invitation to collaborate research on Egusi melon oil from Ivory Coast	Negotiate	Energy Expert	April 2008
6	Invitation to join Scientific Committee of 6 th Conference on Sustainable Energy Technologies 2007 Chile	Panel	Scientific Committee	September 2007
7	APO Workshop on Vetting of Green Productivity Manual, For Tokyo Japan value USD 2000	Completed	Leader/ Facilitator	January 2007
8	Disaster Management and Governance Course for Senior Officers Ministry of Physical Planning Government of Sudan	Completed	ERP Expert	5-8 December 2005
9	International Fire Chiefs' Association of Asia Conference, Taipei, Taiwan	Completed	Sponsored (IMDEMM)	17-19 November 2004
10	CIBSE National Conference 29-30 September 2004, Docklands Excel, London	Completed	Referee paper	April 2004
11	Regional Conference on Emergency Response and Planning, In the Coming Millennium, PWTC (speakers from Philippines, The UK, Indonesia, Fire Brigade UK, Brunei)	Completed	Conference Chairperson 300 participants	1-3 December 1998
12	Seminar Natural Ventilation, organized by CIBSE and BRE London, UK	Completed	Represent Univ Nottingham	11 November 1992
13	Riffat SB, KW Cheong, N Adam and L Shao, (1995), "Measurement and CFD Modeling of Aerosol Particles in Buildings", Journal of Indoor Environment, Volume 4(3)	Completed	INVITED journal Paper Q1 IF 2.46	1995
14	Riffat SB, KW Cheong, N Adam and L Shao, (1995), "Measurement and CFD Modeling of Aerosol Particles in A Controlled Chamber", Journal of Heat –Gas-Supply and Ventilation, Kazan, Institute of Civil Engineers, Russia, 420045 Russia, Tatarstan, Kazan, p 63-74	Completed	INVITED journal Paper	1995
15	Travel grant from UNESCO for woman engineer in agricultural engineering to visit Thailand and Philippines USD1000	Completed	Sponsored by UNESCO	1986

Administrative Duties

	Title	Level (International / National / University / Faculty / Department)	Year
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1.	Head of Alternative and Renewable Energy	Institut Teknologi Maju, UPM	1 January 2007-31 December 2010
2.	Ahli Jawatankuasa Pengurusan Risiko	Universiti Putra Malaysia	2009-2011
3.	Coordinator Final Year Project	Department of Mechanical and Manufacturing Engineering, UPM	September – December 2011 (59 students)
4.	Ahli JK Penasihat (ERP)	JKKP Universiti Putra Malaysia	April 2008 - 2010
5.	Coordinator Master Science (Emergency Response and Planning) Program	Universiti Putra Malaysia	September 2005- December 2006
7.	Coordinator Executive Secretary	Universiti Putra Malaysia	November 1997 - 19 August, 2005
8.	Head, Thermo-fluids Unit	Department of Mechanical and Manufacturing Engineering, UPM	2001
9.	Coordinator for Thermodynamics Laboratory	Universiti Putra Malaysia	2011 to date
10.	Head, Thermo-fluid Research Area	Mechanical and Manufacturing Engineering UPM	2007

Committee for Conference

	Title	Responsibility	Year
1.	International Conference of Sustainable Agriculture for Food, Energy and Industry in Regional and Global Context	Head of Logistics (Accommodation, Technical Visit and Transport)	25 – 27 August 2015 UPM Serdang
2	National Seminar Practices in Emergency Management for Designated Buildings	Deputy Chairperson/ Head Technical Committee	11 Nov 2014 Kuala Lumpur
3	International Conference on Advances in Mechanical and Manufacturing Engineering (ICAM2E)	Technical Committee Head Thermofluids	26 – 28 November 2013 Kuala Lumpur
4	Affordable Quality Housing,	Technical Committee (Track Thermal Comfort)	2013 13- 15 Mar Putrajaya
5	Seminar Emergency Management Systems	Committee	2011 31 May Penang
6.	World Engineering Congress 2010,		2 – 5 August Kuching 2010
7	Advanced Technology Congress ATCi 2009 Conference on Alternative and Renewable Energy CARE	Committee Member Chairman	3-5 Nov 2009 PWTC Kuala Lumpur

8	Seminar Alternative and Renewable Energy	Chairperson	2008 4 Dec
9	International Conference and Exhibition on Composite Materials and,Nano Structures	Technical Committee	2008 5-7 Aug Melaka
10	Forum Kebangsaan Tenaga dan Air	Leader for Energy(Lead lecturers from KLIUC, UNITEN and UPM 20 researchers)	2008 11-12 Feb KLumpur
11	World Engineering Congress 2007	Deputy Chairman Head Thermofluids	6-8 Aug 2007 Penang
12	18 th Emergency Response and Planning (ERP)	Technical Committee	2007 2-5 Sept Bintulu
13	17 th Emergency Response and Planning ERP Seminar	Chairperson	2006 30 May UPM
14	16 th Emergency Response and Planning ERP Seminar	Chairperson	2006 2 May Kuching
15	15 th Emergency Response and Planning ERP Seminar	Chairperson	2004 23 Oct UPM
16	14 th ERP Seminar: Emerging Response and Emerging Issues with Bintulu Development Authority and UPM	Committee Member	2004 28-30 Sept Bintulu
17	13 th Emergency Response and Planning ERP Seminar UPM Bintulu Campus	Committee Member	2003 7-8 Sept
18	12 th Emergency Response and Planning ERP: Installation and Public Security Course	Committee Member	2003 18-21 Jul UPM
19	11 th Emergency Response and Planning Installation and Public Security Transportation Sector	Committee Member	2003 24-27 Jun
20	10 th Emergency Response and Planning	Chairperson	2003 3 Mar UPM
21	9 th Emergency Response and Planning Seminar: on Disaster Management: Strategic Networking for Industrial Growth	Committee Member	2002 17-19 Sept BDA Bintulu
22	8 th ERP Activity: First Multi Governemnt Agency Drill Ex Rampas 2/02(Land, Sea, Air) 2000 participants	Committee Member	2002 18-20 Aug Marang Terengganu
23	World Engineering Congress 2002 Sheraton Hotel	Technical Committee	2002 3-5 Aug Subang Jaya

24	Seventh Emergency Response and Planning Semina: Industrial Management in the New Era, HolidayVillar	Technical Committee	2002 5-6 March
25	Sixth Emergency Response and Planning Conference: Disaster Management in the IT Age:	Texhnical Committee	2001 23-25 Oct
26	MechE Seminar UPM	Chairperson	2000 4Oct
27	5 th Emergency Response and Planning Sheraton Hotel Subang Jaya	Technical Committee	2000 3Oct
28	National Seminar on Indoor Air Quslity and Thermal Comfort in Housing Equatorial Hotel	Technical Committee	2000 20June Bangi
29	4 th Emergency Response and Planning	Technical Committee	1999 9 Oct Miri
30	Third Emergency Response and Planning	Technical Committee	1999 7 Oct Penang
31	Second Emergency Response and Planning	Technical Committee	1999 5Oct Shah Alam
32	First Regional Emergency Response and Planning	Chairman	1998 1-3 Dec PWTC
33	Asia Pacific Regional Conference on Engineering for the Development of Agriculture	Committee Member (Technical Visit)	1990 5-7 June UPM
34	AEESEAP=FEISEAP International Conference on Engineering Education	(Representing UPM /Opening ceremony committee/MC	1990 22-24 May Penang

National Invited Speaker

	Title	Responsibility	Year
1	Seminar Pelan dan Respon Kecemasan	Invited Speaker	2015 ADT EC
2	National Seminar Practices in Emergency Management for Designated Buildings	Invited Lead paper	2013 11 Nov KL
3	COSH 2013	Invited Speaker: Promoting Safety and Health in Green Economy	2013 Penang
4	IMDEMM/ PERSKEP Seminar	Invited Speaker: Emergency Management System	2011 Penang
5	COSH	Invited Speaker: Emergency Management System	2012

6	Noise Induced Hearing Loss	Ajinomoto Malaysia Jalan Klaang Lama Kuala Lumpur	2008 25 March
7	Influence of Car Parks on Indoor Environmental Quality in Buildings	Lead Track Paper World Engineering Congress 2007 P	2007 5-9 Aug Penang
8	Indoor Environmental Quality in Residence in Klang Valley	Lead track paper 5 World Housing Congress	2007 1-5 July Tganu
9	Emergency Response Procedures for Buildings: Concept and Practice	IFE/IMDEMM/IEM Seminar on Fire Safety Kota Kinabalu Sabah	2007 11-12 Apr
10	Emergency Response Procedures for Buildings: Concept and Practice	IFE/IMDEMM/IEM Seminar on Fire Safety Kuching Sarawak	2007 9-10 Apr
11	Indoor Air Quality: Terms and Measurements	The Institution of Engineers Malaysia Petaling Jaya	2007 2 Feb
12	Global Trends in ERP	The Institution of Engineers Malaysia Petaling Jaya	2006 20 Dec
13	Preparing ERP Plans for Buildings/Premises	The Institution of Engineers Malaysia Petaling Jaya	2006 20 Dec
14	ICS Management and Majlis Keselamatan Negrara Directive 20	Bank Negara ERP Workshop Bank Negara Training Centre PJ	2006 23-25 Jun
15	Fire Risk Assessment for Bank Negara Malaysia	Bank Negara ERP Workshop Bank Negara Training Centre PJ	2006 23-25 Jun
16	ERP and EM: Definitions, International Norms, Common Failures, Incident Command Training	Malaysian International Shipping Corporation MISC Dayabumi KL	2005 26 Sept
17	SER; fire and Rescue Incident Command Training	Malaysian International Shipping Corporation MISC Dayabumi KL	2005 26 Sept
18	The Role of Mechanical Woman Engineer: Academic Perspectiver	Forum on Woan Engineer The Institution of Engineers Malaysia Petaling Jaya	2005 20 Aug
19	Indoor Air Quality of Basement Carparks in Kuala Lumpur and Sarawak	Forum Indoor Air QualityThe Institution of Engineers Malaysia Bangunan Ingeneuir Petaling Jaya	2005 30 June
20	Emergency Response Procedures for Buildings	Major Conference in Building Services, Institution of Engineers Malaysia, Sheraton Towers Subang Jaya	2005 18-19 Mac
21	Indoor Air Quality and Thermal Stress Measurements	Universiti Tun Hussein Onn Fakulti Kejuruteraan Loji dan Automotif	2004 16 Dec

22	Kualiti Udara Dalam Di Tempat Kerja	MARA Headquarters Jalan Tunku Abdul Rahman KL	2004 6 Jul
23	Implementing Effective Strategies In Fire Prevention Management” UPM Case Study	Secong National Seminar and Exhibition of Fire Protection Mines Beach Resort	2004 17 June
24	Healthy Living with Proper Ventilstion in Modern Homes	REHDA members (Real Estate Housing Development Association PJ	2003 13 Aug
25	Noise Induced Hesring Loss for Factory Workers	Ajinomoto Malaysia Jalan Klang Lama	2002 25 Nov
26	Are Malaysians Discotheque Too loud?	National Seminar Enviro Tours/SV Technic Sunway Pyramid Hotel	2002 8 Dec
27	Training for Effective Fire Protection Program: UPM Experiencee	First National Seminar and Exhibition Fire Protection Mines Beach Resort	2002 20 June
28	Indoor Air Quality and Its Effect on Worker Performance	The Institution of Engineers Malaysia	2001 8Dec PJ
29	Noise Induced Hearing Loss and Its Effects on Worker Performance	Ajinomoto Malaysia Jalan Klang Lama	2001 2 Dec
30	ERP Conference: Disaster Management in the IT ER Senior Police Officer College	Keynote Speaker Plenary Member	2001 23 25Oct KL
31	Ventilation and Ventilating Fan	Panasonic (all fan manufacturers in Malaysia)	1999 28 Oct Shah Alam
32	Environmental Factors, Psychometry and Thermal Comfort	Master Students Fakulti Alam Bina UiTM Shah Aaklam	1999 7 Apr
33	National Seminar on Indoor Air Quality and Thermal Comfort in Housing	Keynote Speaker Plenary Member	2000 June Bangi
Crisis Management Topic		Institut Tadbiran Awam Negara	
1	Pengurusan Bencana Negara dan MKN 20	Civil Defence Department , ALPHA Bangi	June 2014
2	Aspek=Aspek Mencegah dan Membendung Krisis : Perspektif Ilmiah	Taiping Zoo KUTS Departments of Mineral; Agriculture; and Information	2007 6 Aug
3	Control and Mitigation Measures During Crisis: Academic Perspective	Dept Drainage and Irrigation, Departments of Agriculture, Education, and Meteorology	2007 19 Jun

4	Control and Mitigation Measures During Crisis: Academic Perspective	Jab Khidmat Negara, Royal Malaysia Police, Arkib NegaramNational Art Gallery, Prison Dept Dept Irrigation and Drainage Sabah	2006 8 Nov
5	Control and Mitigation Measures During Crisis: Academic Perspective	Bureau National Security (BKN) Dept Drainage and Irrigation, Dept Agriculture, Ministry of Human Resources	2006 14 jUN
6	Control and Mitigation Measures During Crisis: Academic Perspective	Dept Irrigation and Drainage, Marine Dept, Local Government Authorities, Dept of Agriculture and Dept Information	2006 8 Feb
7	Control and Mitigation Measures During Crisis: Academic Perspective	Department of Prison Malaysia	2005 3 Aug
8	Control and Mitigation Measures During Crisis: Academic Perspective	Fire Dept, Ministry of Health, Bureau National Security (BKN) Dept Irrigation and Drainage	2005 7 Jun
9	Control and Mitigation Measures During Crisis: Academic Perspective	Civil Defence Department Malaysia (JPA3)	2005 31May
10	Control and Mitigation Measures During Crisis: Academic Perspective	Department of Fisheries Malaysia	2005 25 26 May
11	Control and Mitigation Measures During Crisis: Academic Perspective	Dept Environment. Ministry of Education, , Ministry of Information	2005 25 Jan
12	Communications During Crisis	State Directors Ministry of Health Malaysia	2000 Nov
13	Communications During Crisis	Senior Officers Anti Corruption Agency Malaysia (BPR)	1999 26-30 April
14	Communications During Crisis	Senior Officers State of Sabah	1998 6 Oct
15	First Aid During Crisis : Triage	Senior Officers State of Sabah	1998 7 Oct
16	Communications During Crisis	Senior Government Officers from Melaka and Negri Sembilan	1998 7Dec
17	Communications During Crisis	Senior Government Officers from Ministry of Information Malaysia	1998 Dec
18	Communications During Crisis	Senior Government Officers District Officers(States of Kedah, Penang and Perak)	1998 26Oct

19	ERP and ICS for CRSM MCA Malaysia	Lead Trainer/Facilitator	2005 18 19April
20	Development ERP for Ministry of Health Pusat Kesihatan Malaysia	Lead Facilitator	2001 23-25 Apr K Bharu
21	Development ERP fpr Infectious Diseases Center Ministru of Health Malaysia	Lead Facilitator	2001 Nov PD
22	Development ERP Plan for State of Sabah for LaNina (landslides)	Senior Officers Sate of Sabah	1998 6-9 Oct KKinabalu
23	TTX ARD Direct (extensive drill 27 countries hosted by Malaysia and China)	Observer	2015 25-28 May A Setar
24	ERP Training for Building Managers (HR Ministry)	Lead Trainer	2013 31 Nov
25	KL Sentral Drill (Bomb threat)	Deputy Chief Jidge	2007 29-30 Jun
26	ERP Training for Bank Negara HQ Kuala Lumpur	Lead Trainer	2006 22-23 June
27	LRT Sentul Timur Drill (Derailment of Train)	Chief Jugge	2005 19 Decr
28	Udang Terbakar Fire Drill Oil Refinery Batu Berendam Melaka(Evaluator)	Judge	1999 Sept 29
28	KLIA Fire Drill (Airport Fire Dept and BOMBA Selangor)	Judge	1998 June

Other Duties

Referee for Promotion/Post	Name	Address	Year
Associate Professor	Dr Abdul Mutalib Leman	University Tun Hussain Onn Parit Raja Johor Malaysia	2010
Associate Professor	Kol Dr Shohaimi Abdullah	Universiti Pertahanan Nasional Malaysia	2010
Associate Professor	Dr Mohd Khairol Anuar Mohd Ariffin	Universiti Putra Malaysia	2011 Feb21

Associate Professor	Dr Nuraini Abdul Aziz	Universiti Putra Malaysia	2014
Associate Professor	Dr Tezara Cionita	University INTI	2017
Associate Professor	Dr Dayang Laila Abang Haji Abdul Majid	Universiti Putra Malaysia	2017
Senior Lecturer	Dr Eris Elianddy Supeni	Universiti Putra Malaysia	2014
Research Officer	Mohd Ali Mohd Nong	Institute Advanced Technology, Universiti Putra Malaysia	2010
Research Officer	Siti Zulaikaha Razali	Institute Advanced Technology, Universiti Putra Malaysia	2010
Mentor			
For Professional Engineer BEM	Institute of Engineers Malaysia	Bangunan Ingeneuir, Petaling Jaya	2010
AP Dr Mohd Khairul Anuar Mohd Ariffin	Institute of Engineers Malaysia	Bangunan Ingeneuir, Petaling Jaya	2013
AP Kamarul Arifin Ahmad	Institute of Engineers Malaysia	Bangunan Ingeneuir, Petaling Jaya	2014
AP Dr Faisal Mustapha	Institute of Engineers Malaysia	Bangunan Ingeneuir, Petaling Jaya	2014
Wong Choon Yap	Institute of Engineers Malaysia	Bangunan Ingeneuir, Petaling Jaya	2015-2017
Young Lecturer Scheme			
Eris Elianddy Supeni	Research Mentor	Development of Composite Index to Evaluate Car Park for Malaysian Condition	2006-2007
Dr Abdul Aziz Hairuddin	Teaching Mentor	Internal combustion Engine Course	2015
Post Doctoral			
Dr Ahmet Oszoy	Solar Energy Training	Suleyman Demiral University, Esparta Turkey	2013 Jul
Dr Bashria Yousof	Solar Energy Training	University of Soba Sudan	2008
Research Evaluator			
Victor Martin on OxyBlue for KPJ	Proposal evaluator for MyBrain Gain Programme	Ministry of Science and Technology Putrajaya	2009

Victor Martin on OxyBlue for KPJ	Project Evaluator for MyBrainGain programme for KPJ	Ministry of Science and Putrajaya	2011
Advisory			
Industry Standards Committee ISC	Member TC SIRIM	SIRIM (national level)	1998-
CRSM MCA	Advisory Panel(ERP expert)	Jalan Ampang KL	2007-2009
Akademi Sains Negara	Invited participant for Renewable Energy Roadmap for Malaysia Until 2050 Workshop Policy paper	Mahkota Parade, Melaka	Jan 2015
Workshop on Examination Questions for Competent Person in Indoor Air Quality	Indoor Air Quality (IAQ) Expert	National Institute Occupational Safety and Health (NIOSH) Equatorial Hotel Bangi	2008 1-8 Dec
Workshop Profile Occupational Safety and Health Malaysia Report for United Nations	Emergency Response Planning (ERP) expert	Residence Hotel Host Faculty of Medicine UPM	2009 Dec
Workshop on Amendments to Industry Code of Practice on Indoor Air Quality Malaysia 2010	IAQ Expert Policy paper	Department Occupational Safety and Health Malaysia (DOSH) Grand Season Hotel KL	2009 14-16 April
MS1525 standard Green building index	Technical Committee member	SIRIM Malaysia	2008
Sekolah Rendah Putri Pandan Kuala Lumpur	Parent Teacher Association	Vice Chairman	3000-2001
Crisis Management			
Teaching Modules on Crisis Management for Government of Malaysia	Modules: Communications During Crisis, Emergency Response and Planning (ERP), Triage	Institute Tadbiran Awam Negara (INTAN) Bukit Kiara	1998 Apr-Sept
ERP and ICS for CRSM MCA Malaysia	Help CRSM develop database for support ERP (logistics) in Malaysia	Lead Trainer/Facilitator	2005 18 19April
Development ERP for Ministry of Health	Focus Pusat Kesihatan Malaysia	Lead Facilitator Kota Bharu Kelantan	2001 23-25 Apr

Development ERP Ministru of Health Malaysia	Focus for Infectious disweases handled by Center forInfectious Diseases	Lead Facilitator	2001 Nov
Development ERP Plan for Sabah for LaNina (landslides)	Lectures and tabletop excercise	Senior Officers Sate of Sabah	1998 6-9 Oct
TTX ARD Direct (extensive drill 27 countries hosted by Malaysia and China)	Tabletop exercise and drill for floods, building collapse, marine accident, chemical spillfor multi level inter countries response	Timah Taso, Chuping, LangkawiObserver	2015 25-28 May
ERP Training for Building Managers (HR Ministry)	Tabletop exercise for 30 building managers from various institutions	Lrad Trainer for ERP building scenario	2013 31 Nov
KL Sentral Drill (Bomb threat)	Multi agency multi level drill (2000 participants)	Deputy Chief Judge	2007 29-30 Jun
ERP Training for Bank Negara HQ Kuala Lumpur	Lectures and table top excercise	Lead Trainer	2006 22-23 June
LRT Sentul Timur Drill (Derailment of Train)	Multi agency led by Police DBKL and Bomba	Chief Judge	2005 19 Dec

University

	Title	Responsibility	Year
1.	Konsep Perancangan dan Respon Kecemasan	Invtd Speaker	2008 11 Nov
2.	Safety for Postgraduates at ITMA	Invited Speaker	2008 30 April
3.	Safety Briefing Video for Dewan Besar	Technical Committee ERP Specialist	2006-2015
4.	Risk Management Committee for PM	ERP Specialist	2009 Aug 1 – 2011 Jul 31
5	Panel Member for Evaluation of Research Proposals for FRGS and Science Fund	ITMA	2009
6.	Sports Academy UPM	Adjunct Reseacher	2010-2011
7	Research Proposal for Science Fund, Fundamental Research Proposal	Project Evaluator	2011

8	AJK Pemeriksa Pelupusan Universiti daripada Pusat Tanggungjawab untuk pengesahan sijil tidak ekonomik dibaiki	Bahagian Mekanikal	Mei 2008 - 2010
9	AJK JKPP	ITMA, UPM	2007 - 2010
10	AJK Siswazah	ITMA, UPM	2007 - 2010
11	Taklimat Keselamatan for new students/fakulti ITMA	Invited Speaker	2007-2010
12	Concept of ERP Basic Bomba Course	Invited Speaker	2006 Sept 4
13	Head Drill for Faculty of Engineering UPM		2006 Sept 4-6

Faculty and Department

	Title	Responsibility	Year
1.	Indoor Air Quality	Invited Speaker	13 Oct 2015
2.	Master Emergency Response and Planning	Committee Member	2011 - to date
3	Master Mechanical Engineering (MKK)	Committee Member	1997-date
4	Master Automotive Engineering (MKK)	Committee Member	2014
5	Diploma Safety and Emergency	Committee Member	2001 to date
6	Thermo-fluids Research area	Head	2001- to date
7	Thermodynamics Labotratory	Coordinator	2001-2007 2011- to date
8	Fire Extinguisher Course 2013		2013 Sept 7
9.	Fire Extinguisher Service Talk		2011
10.	Fire Safety Drill	Lead trainer	2006
11	Occupational Safety and Health Committee for Faculty of Engineering UPM	Department Representative	2006
12	Master Emergency Response and Planning	Coordinator	2005-2006
13	Master Emergency Response and Planning	Secretary	1997-2005

Academic Adviser (undergraduate)

	Matric No.	Name	Year
1	192445	Husna Khairiyah binti Hamid Khair	2018

2	190952	Nur Izyan binti Bachok	2017
	190411	Mohamad Syarafi bin Shaharum	2017
3	189369	Muhamad Najib bin Ahmad Hasan	2017
4	164377	Shahrul Izwan bin Suhaimi	2015
5	182237	Ahmad Kamal bin Mukri	2015
6	172164	Muhammad Syaziq bin Mohamad Shah	2013
7	171724	Hasanat Jamil-UI Haque	2013
8	176068	Muhammad Hairul Farique bin Mohd Fuadi	2013
9	168187	Cheng Mun Chun	2012
10	164465	Mohammad Omar bin Mokhtar	2011
11	141073	Azlan bin Hapip	2011
12	141070	Mohd Helmi bin Dzulkarnain	2010
13	140375	Mohd Hazwan bin Abdullah	2010
14	138217	Chia Jenn Chuan	2000
15	135560	Mohd Azrol Idham bin Mat Din	2009
16	135195	Nurziana binti Ishak	2009
17	133451	Kamil Azwan bin Abbdul Aziz	2008
18	130582	Jasper Thor Kho Siong	2008
19	130851	Hung Wei Jian	2007
20	130477	Khong Seng Jit	2007
21	128818	Fraser Galleries anak Mambai	2006
22	127677	Muhamad Firdaus bin Ismail	2006
23	126288	Lee Mun Hong	2005
24	125986	Moo Khen Tong	2005
25	125956	Hoo Zhen Yong	2004
26	124265	Lai Kin Keong	2004
27	123190	Amir Adha bin Kamamarudin	2003
28	119570	Glen Lee	2003
29	115742	Lew Kok Leong	2002
30	115637	Yap Siang Wei	2002
31	115632	Yap Kah Han	2001
32	114704	Lee wei Jin	2001
33	114683	Goh Shai Yiee	2000
34	96538	Nadzrul Idzram bin Kasim	2000

Reviewer Research Proposal/Progress Reports

2018

- Smart Management and Information System for Building Integrated Farming
- Fundamerntals Study on the Performance of A Homogenous Charge Compression Ignition Engine (HCCI) Fueled with Palm Oil and Algae Based Biofuel
- The Effects of Different Types of Piston in an HCCI Engine Performance Fuelled with Gasoline Using CFD

- The Effect of Low Intake Air Temperature of Internal Combustion Engine Using Improved Heat Exchanger
- Characterization and Development of A Natural Fiber Reinforced Unsaturated Polyester Based Injection Molding Composite Material for Electrical Insulation Application

2017

- Development of Oil Palm Fresh Fruit Bunch (FFB) Growth Model to Support Site Specific Harvesting
- Fundamental Studies Into Composting of Palm Oil Waste As A Potential Bio-fertilizer
- Design and Development of SRI Single Seedling Nursery Tray and Transplanter
- Development of A Risk Map Model For Some Selected Pests In Rice Farming Using Remote Sensing
- Empirical Modelling and Simulation Studies on the Effect of Airflow on Temperature Control and Product Quality in Cake Baking
- Modelling the Frequency Response of A Hydrostatic Bearing and Investigating the Frequency Response of A Hydrostatic Bearing Centered Gear Mesh Frequency Noise Mitigation For Use of A Multifuel
- TRIZ Model for Energy House Saving
- In-process Monitoring and Adaptive Control of Weld Joint Penetration in Fusion Welding
- Design and Analysis of An Ergonomic Infant Seat With Restraint System for Commercial Aircraft
- Characterization and Development of A Natural Fiber Reinforced Unsaturated Polyester Based Injection Molding Composite Material for Electrical Insulation Application
- Fundamental Study on the Solder Joint Integrity Between Bi=Ag and Bi=Sb solders on Bare Copper Board
- Development of A Risk Management Evaluation Tool for Reverse Logistic Organizations Based on Fuzzy Multi Criteria Decision Making Method
- The Natural Weathering Resistance of Esteified Cane Exposes In Tropical Climate and and Development of Outdoor Cane Furniture

2016

The Natural weathering resistance of esterified can exposes in tropical climate and development of outdoor cane furniture Geran Penyelidikan Pembangunan Inovasi

2015

- The effect of different types of piston in an HCCI engine performance fueled with gasoline using CFD
- Development of Oil Palm Fresh Fruit Bunch (FFB) Growth Model to Support Site Specific Harvesting
- Fundamental Studies Into Composting of Palm Oil Waste As A Potential Bio-fertilizer
- Design and Development of SRI Single Seedling Nursery Tray and Transplanter
- Development of A Risk Map Model For Some Selected Pests In Rice Farming Using Remote Sensing
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- In-process Monitoring and Adaptive Control of Weld Joint Penetration in Fusion Welding
- Design and Analysis of An Ergonomic Infant Seat With Restraint System for Commercial Aircraft

- Characterization and Development of A Natural Fiber Reinforced Unsaturated Polyester Based Injection Molding Composite Material for Electrical Insulation Application
- Fundamental Study on the Solder Joint Integrity Between Bi=Ag and Bi=Sb solders on Bare Copper Board
- Development of A Risk Management Evaluation Tool for Reverse Logistic Organizations oBased on Fuzzy Multi Criteria Decision Making Method
- The Natural Weathering Resistance of Esteified Cane Exposes In Tropical Climate and and Development of Outdoor Cane Furniture

REFEREES

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