



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

Kurikulum Vitae Curriculum Vitae

I. Maklumat Peribadi: Personal Particulars



Nama: Dr. Fudhail Bin Abdul Munir

Name:

Jawatan Sekarang: Senior Lecturer **Tetap / Sementara** Permanent
Current Position: (Permanent/temporary)

Gred Kumpulan: DS 52 **Tarikh Pengemaskinian CV :** 24 May 2019
Gred position Date of CV updated:

II. A. Kelulusan Akademik dan Profesional (Sila senaraikan semua kelulusan akademik bermula daripada Ijazah Sarjana Muda mengikut susunan kronologi) **Academic and Professional Qualifications** (Please list all academic qualifications, from your first degree in chronological order)

Tahun Year	Kelulusan Degree	Pengkhususan Discipline	Universiti University
2006	Bachelor of Engineering (Mechanical-Automotive)	Mechanical-Automotive	Universiti Islam Antarabangsa Malaysia (UIA)
2009	Master of Engineering (Mechanical)	Mechanical Engineering	Universiti Teknologi Malaysia (UTM)
2016	Doctor of Engineering	Mechanical (Combustion)	Yamaguchi University of Japan

Working /Industrial Experience

Tahun Year	Designation	Name of Company
2006- 2007	R & D Engineer	Perodua Manufacturing Sdn Bhd, Sungai Choh Rawang Selangor
2007-2009	Tutor (DA 41)	Universiti Teknikal Malaysia Melaka (UTeM) Hang Tuah Jaya, Durian Tunggal Melaka
2009-2013	Lecturer (DS 45)	Universiti Teknikal Malaysia Melaka (UTeM) Hang Tuah Jaya, Durian Tunggal Melaka
2013-present	Senior Lecturer (DS 52)	Universiti Teknikal Malaysia Melaka (UTeM) Hang Tuah Jaya, Durian Tunggal Melaka
Apr 2017-Oct 2018	Head of Automotive Department Faculty of Mechanical Engineering	Universiti Teknikal Malaysia Melaka (UTeM) Hang Tuah Jaya, Durian Tunggal Melaka
Oct 2018- Apr 2019	Industrial Attachment Scheme	Malaysian Refining Company Sdn Bhd (formerly known as Petronas Penapisan Melaka Sdn Bhd) Sungai Udang Melaka

<p>B. Tajuk tesis pascasiswazah (Sila senaraikan tajuk tesis bermula daripada peringkat Sarjana mengikut susunan kronologi) <i>Titles of postgraduate thesis written (Please list all thesis written, from your Master Degree in chronological order)</i></p> <p>i. Development of An Efficient Lattice Boltzmann Numerical Scheme for Simulation of Shear Driven Cavity – Master of Engineering (Mechanical) (2009)</p> <p>ii. A Study of Flame Stabilization in Meso-scale Tube Combustors with Heat Recirculation – Doctor of Engineering (2016)</p>																																																																													
<p>III. Bidang Penyelidikan Utama (Sila senaraikan tiga sahaja) Main Areas of Research Interest (Please list a maximum of three)</p> <p>Computational Fluid Dynamics</p> <p>Micro power generation</p> <p>Combustion in Automotive</p>																																																																													
<p>IV. Keahlian Dalam Pertubuhan/Badan Profesional Membership in The Association/Professional Body</p> <p>1. Chartered Engineer, Institution of Mechanical Engineers (CEng, MIMechE) – (80338985)</p> <p>2. Graduate Engineer, Board of Engineers Malaysia (GE 66572A)</p>																																																																													
<p>V. Projek Penyelidikan Yang dilaksanakan(Sila tulis tajuk, tajaan dan nombor rujukan projek sejak 2007) Completed/On-going research project since 2007(Please write the title, funder and reference number)</p> <table border="1"> <thead> <tr> <th>No</th> <th>Grant Number</th> <th>Type of Grant</th> <th>Title</th> <th>Year</th> <th>Amount (RM)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PJP/2010/FKM (31B) S745</td> <td>Short Term</td> <td>Design and Fabrication of a lightweight dry clutch disc for a mini farming tractor. Principal Researcher</td> <td>2010</td> <td>12 000.00</td> </tr> <tr> <td>2</td> <td>PJP/2010/FKM (26B) S740</td> <td>Short Term</td> <td>Development of personal electric powered vehicle (PEV) for UTeM.</td> <td>2010</td> <td>12 000.00</td> </tr> <tr> <td>3</td> <td>PJP/2010/FKM (21B) S735</td> <td>Short Term</td> <td>Study of liquid sloshing effect in a container.</td> <td>2010</td> <td>10 400.00</td> </tr> <tr> <td>4</td> <td>PJP/2010/PBPI(16G)/S00814</td> <td>Short Term</td> <td>Writing Final Year Project Report In English: Problems, Motivating And Hindering Factors Among UTeM Final Year Engineering Students</td> <td>2010</td> <td>10 000.00</td> </tr> <tr> <td>5</td> <td>PJP/2010/FKM(29B)/S00743</td> <td>Short Term</td> <td>Numerical Analysis on The Behavior Of Droplet Motion For Car Wind Screen By Using Lattice Boltzmann Method</td> <td>2010</td> <td>12 000.00</td> </tr> <tr> <td>6</td> <td>PJP/2010/FKM(3B)/S00649</td> <td>Short Term</td> <td>Experimental Study of A Steering Wheel Vibration</td> <td>2010</td> <td>20 000.00</td> </tr> <tr> <td>7</td> <td>FRGS/2010/FKM/TK03/10/F00098</td> <td>FRGS</td> <td>Investigation of Brake Judder Phenomenon By Using Reduced Scale Brake Dynamometer</td> <td>2010</td> <td>48 000.00</td> </tr> <tr> <td>8</td> <td>PJP/2011/FKM(13A)/S00867</td> <td>Short Term</td> <td>Development of Suppression System For Noise And Vibration In Automotive Flexible Wiper</td> <td>2011</td> <td>16 500.00</td> </tr> <tr> <td>9</td> <td>PJP/2011/FKM(28A)/S00987</td> <td>Short Term</td> <td>Development of Environmentally Friendly Engine Oil Extractor System</td> <td>2011</td> <td>11 100.00</td> </tr> <tr> <td>10</td> <td>PJP/2011/FKM(7A)/S00861</td> <td>Short Term</td> <td>Design and Fabrication The Chassis Frame For Utem First Solar Hybrid Vehicle</td> <td>2011</td> <td>16 500.00</td> </tr> <tr> <td>11</td> <td>PJP/2011/FKM(9A)/S00863</td> <td>Short Term</td> <td>Shape Optimization of An Automotive Side View Mirror Based On Air Flow Study</td> <td>2011</td> <td>18 000.00</td> </tr> </tbody> </table>						No	Grant Number	Type of Grant	Title	Year	Amount (RM)	1	PJP/2010/FKM (31B) S745	Short Term	Design and Fabrication of a lightweight dry clutch disc for a mini farming tractor. Principal Researcher	2010	12 000.00	2	PJP/2010/FKM (26B) S740	Short Term	Development of personal electric powered vehicle (PEV) for UTeM.	2010	12 000.00	3	PJP/2010/FKM (21B) S735	Short Term	Study of liquid sloshing effect in a container.	2010	10 400.00	4	PJP/2010/PBPI(16G)/S00814	Short Term	Writing Final Year Project Report In English: Problems, Motivating And Hindering Factors Among UTeM Final Year Engineering Students	2010	10 000.00	5	PJP/2010/FKM(29B)/S00743	Short Term	Numerical Analysis on The Behavior Of Droplet Motion For Car Wind Screen By Using Lattice Boltzmann Method	2010	12 000.00	6	PJP/2010/FKM(3B)/S00649	Short Term	Experimental Study of A Steering Wheel Vibration	2010	20 000.00	7	FRGS/2010/FKM/TK03/10/F00098	FRGS	Investigation of Brake Judder Phenomenon By Using Reduced Scale Brake Dynamometer	2010	48 000.00	8	PJP/2011/FKM(13A)/S00867	Short Term	Development of Suppression System For Noise And Vibration In Automotive Flexible Wiper	2011	16 500.00	9	PJP/2011/FKM(28A)/S00987	Short Term	Development of Environmentally Friendly Engine Oil Extractor System	2011	11 100.00	10	PJP/2011/FKM(7A)/S00861	Short Term	Design and Fabrication The Chassis Frame For Utem First Solar Hybrid Vehicle	2011	16 500.00	11	PJP/2011/FKM(9A)/S00863	Short Term	Shape Optimization of An Automotive Side View Mirror Based On Air Flow Study	2011	18 000.00
No	Grant Number	Type of Grant	Title	Year	Amount (RM)																																																																								
1	PJP/2010/FKM (31B) S745	Short Term	Design and Fabrication of a lightweight dry clutch disc for a mini farming tractor. Principal Researcher	2010	12 000.00																																																																								
2	PJP/2010/FKM (26B) S740	Short Term	Development of personal electric powered vehicle (PEV) for UTeM.	2010	12 000.00																																																																								
3	PJP/2010/FKM (21B) S735	Short Term	Study of liquid sloshing effect in a container.	2010	10 400.00																																																																								
4	PJP/2010/PBPI(16G)/S00814	Short Term	Writing Final Year Project Report In English: Problems, Motivating And Hindering Factors Among UTeM Final Year Engineering Students	2010	10 000.00																																																																								
5	PJP/2010/FKM(29B)/S00743	Short Term	Numerical Analysis on The Behavior Of Droplet Motion For Car Wind Screen By Using Lattice Boltzmann Method	2010	12 000.00																																																																								
6	PJP/2010/FKM(3B)/S00649	Short Term	Experimental Study of A Steering Wheel Vibration	2010	20 000.00																																																																								
7	FRGS/2010/FKM/TK03/10/F00098	FRGS	Investigation of Brake Judder Phenomenon By Using Reduced Scale Brake Dynamometer	2010	48 000.00																																																																								
8	PJP/2011/FKM(13A)/S00867	Short Term	Development of Suppression System For Noise And Vibration In Automotive Flexible Wiper	2011	16 500.00																																																																								
9	PJP/2011/FKM(28A)/S00987	Short Term	Development of Environmentally Friendly Engine Oil Extractor System	2011	11 100.00																																																																								
10	PJP/2011/FKM(7A)/S00861	Short Term	Design and Fabrication The Chassis Frame For Utem First Solar Hybrid Vehicle	2011	16 500.00																																																																								
11	PJP/2011/FKM(9A)/S00863	Short Term	Shape Optimization of An Automotive Side View Mirror Based On Air Flow Study	2011	18 000.00																																																																								

12	PJP/2012/FKM (1C)/S01001	Short Term	Design and Fabrication of a Race Car Vehicle for UTeM Formula Varsity 2012	2012	30 000.00
Projek Penyelidikan Yang dilaksanakan(Sila tulis tajuk, tajaan dan nombor rujukan projek sejak 2007) <i>Completed/On-going research project since 2007(Please write the title, funder and reference number</i>					
No	Grant Number	Type of Grant	Title	Year	Amount (RM)
13	PJP/2016/FKM-CARE/S01505	Short Term	Investigation of Flame Stabilization In Counter Flow Tube Combustors For Micro Power Generation Application	2016	18 000.00
14	PJP/2016/FKM-CARE/S01506	Short Term	Modelling Estimation and Performance Evaluation for Anti Vibration System	2016	20 000.00
15	PJP/2017/FKM/S01551	Short Term	Design Of Customized Automotive Hand Phone Holder	2017	46 000.00
16	GLUAR/ANCHOR/2018/FTKMP-CARE/A00016	International Grant	Review, Survey and Driver Behaviour Study of AEB System In Pre-Crash Situation	2018	16 000.00
17	GLUAR/PPRN/2018/FKM-CARE/G00056	PPRN	Cucur Badak & Samosa Machine	2018	32 400.00
18	FRGS/2018/FKM-CARE/F00370	FRGS	Role of Induced Airflow Using DBD Plasma Actuator on Flame Stabilization in Micro Combustors With Heptane Fuel	2019	73 000.00
TOTAL RM GRANTED					421 900

VI. Projek Konsultansi yang dilaksanakan

Industrial Project Consultation

No	Project name	Company Involved	Year	Amount (RM)
1	Restoration of Melaka River Water Wheel	ATD Sdn Bhd	2010	20000.00
2	Finite Element Analysis Using ANSYS Software	UTeM Holdings Sdn Bhd	2017	380000.00
3	Measurement of Vibrating Conveyor Machine	COHU (M) Sdn Bhd	2017	4000.00
4	Structure Analysis of Trolley for Portable Generator Set	HRSB Plant Service Sdn Bhd	2017	3180.00
5	Servis Amalan Bengkel untuk KUIM Melaka	Kolej Universiti Islam Melaka (KUIM)	2017	11431.50
6	Sewaan Makmal HVAC untuk KUIM	Kolej Universiti Islam Melaka (KUIM)	2018	2957.40
7	Numerical Simulation of Heat Distribution inside Autoclave for OOA Monolith	Aerospace Malaysian Innovation Centre (AMIC) Sdn Bhd	2018	15000.00
8	JPJ Training of Trainers (TOT)	Akademi JPJ Malaysia	2018	19977.00
9	Analysis of Flare Design	Fluid Axis Engineering Sdn Bhd	2018	15000.00
10	Design & Analysis of Structure for Platform Conveyor of Sulphur Forming Plant	HRSB Plant Services Sdn Bhd	2018	30000.00
11	Consultation Service on Relieve Valve –Phase 1 Design and Analysis	Dialog Sdn Bhd	2018	17000.00
12	Design Verification and Analysis of Single Point Mooring Support	HRSB Plant Service Sdn Bhd	2018	10000.00
13	Detail Drawing of Grating Platforms	HRSB Plant Service Sdn Bhd	2018	2000.00
13	Optimization of Oven for OOA Composite (FOF18-IMP30-03b)	Aerospace Malaysian Innovation Centre (AMIC) Sdn Bhd	2019	20000.00
14	Mock Up Welding for On Stream Pipe Repairing	Dialog Sdn Bhd	2019	3500.00
TOTAL RM GRANTED				212045.90

VII. Anugerah Akademik Academic Award

1. UTeM Excellent Service 2010
2. UTeM Excellent Service 2017
3. Best Paper Award MUiCET 2011
4. Scholarship award (SLAB) for Master Studies from MOHE 2008
5. Scholarship award for PhD (SLAI) Studies from MOHE 2012

VIII. Senarai Anugerah Penyelidikan yang diperolehi (Senarai perolehan anugerah penyelidikan sejak 2007) List of awards (Please list research awards received since 2007)

No	Event/Exhibition	Project Title	Researcher	Award
1	UTeMEX 2012	Smart Cloth Railing System	<ul style="list-style-type: none"> • Mohd Irwan Mohd Azmi • Fudhail Abdul Munir • Safarudin Ghazali Herawan 	Gold
2	UTeMEX 2017	Fresnel Lens Water Distiller	<ul style="list-style-type: none"> • Muhammad Nur Othman • Azma Putra • Fudhail Abdul Munir • Azrin Ahmad • Luqman Hakim Hamzah • Mohd Sulhan Mokhtar 	Bronze

IX. Bilangan dan no. pendaftaran Harta Intelek yang dihasilkan Quantity and registration number of Intellectual Property

None

X. Bilangan sitasi dan nama jurnal Number of citation and name of journals

128

XI. Bilangan penerbitan dalam Jurnal Berimpak (Scopus/ISI) Number of publication in high index journals

Scopus H Index : 5, Total Publication : 37 papers

Google H Index: 7, Total Publication : 85 papers

Scopus

Search Sources Alerts Lists Help ▾ SciVal [Register](#)

Author details

Munir, F. A.

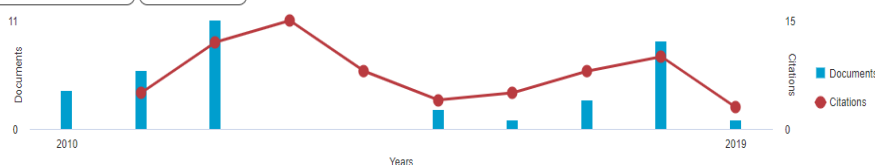
Universiti Teknikal Malaysia Melaka, Malacca, Malaysia

Author ID: 36632623200 [iD](#)

Other name formats: (Munir, F. A.) (Munir, Fudhail A.) (Munir, F. A.) (Munir, Fudhail Abd) (Fudhail, A. M.) (Munir, F.) (Munir, Fudhail Abdul)

Subject area: (Engineering) (Physics and Astronomy) (Chemical Engineering) (Materials Science) (Computer Science) (Multidisciplinary) (Chemistry) (Energy) (Social Sciences) (Economics, Econometrics and Finance) (Arts and Humanities)

Document and citation trends:



Follow this Author

View potential author matches

h-index: [iD](#)


5

Documents by author

37


Total citations

70 by 61 documents



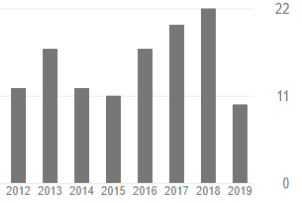
Fudhail Abdul Munir, Dr Eng

Universiti Teknikal Malaysia Melaka
 Verified email at utem.edu.my - [Homepage](#)
 Computational Fluid Dyna... combustion micro combustion




Cited by


	All	Since 2014
Citations	131	93
h-index	7	5
i10-index	3	1



Co-authors [EDIT](#)



Muhammad Zahir Hassan
UNIVERSITI TEKNIKAL MALAY...



Mohd Rody Bin Mohamad Zin
Lecturer, Universiti Teknikal Mala...

TITLE	CITED BY	YEAR
<input type="checkbox"/> Experimental Investigation of Thermally Induced Vibration in Sulphur Recovery Unit (SRU) ARA Rahman, EA Ariffin, MH Abu, FA Munir, A Putra Journal of Advanced Research in Fluid Mechanics and Thermal Sciences 56 (1 ...		2019
<input type="checkbox"/> Graphene nanoplatelets and few-layer graphene studies in thermo-physical properties and particle characterization OA Alawi, NAC Sidik, SN Kazi, G Najafi Journal of Thermal Analysis and Calorimetry 135 (2), 1081-1093	1	2019
<input type="checkbox"/> Thermophysical properties and stability of carbon nanostructures and metallic oxides nanofluids OA Alawi, AR Mallah, SN Kazi, NAC Sidik, G Najafi Journal of Thermal Analysis and Calorimetry 135 (2), 1545-1562	2	2019
<input type="checkbox"/> Gasification modelling method using energy Gibbs minimum of palm starch solid waste R Muslim, H Saputro, T Firdani, S Lasmini, K Khaniffudin, DS Wijayanto, ... IOP Conference Series: Materials Science and Engineering 434 (1), 012185		2018

XII. SENARAI UTAMA PENERBITAN (*penerbitan jurnal/prosiding/buku sejak 2007 nyatakan impak faktor*)
List of Major Publication (*Please list publication since 2007- state the impact factor*)

A. List of Selected Journal Papers:

No	Title & Journal Name	Year
1	A.R.A. Rahman, E.A. Ariffin, M.H. Abu, F.A. Munir , A. Putra (2019). Experimental Investigation of Thermally Induced Vibration in Sulphur Recovery Unit (SRU), <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , Vol 56(1), pp. 78-87.	2019
2	M.I. Muazzam, F.A. Munir, A. Roseli, M.S. Yob, R. Jumaidin (2018). Numerical simulation of spark ignition engine with pre combustion chamber (PCC), <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , Vol.52 (2), pp. 198-204.	2018
3	F.A. Munir , M.I. Muazzam, A. Gader, M. Mikami, H. Saputro, L. Fitriana (2018). Effects of wall thickness on flame stabilization limits for combustors with wire mesh, <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , Vol. 49 (1), 11-17. (Scopus Indexed)	2018
4	M.I.S. Sukri, F.A. Munir , M.Z. Hassan, F.Syahrial, R. Adnan & D. Sivakumar (2018). Design of Engine Mounting for Single Seated Educational Racing Vehicle, <i>ARPN Journal of Engineering and Applied Sciences</i> , Vol.12 (24), 7348-7351. (Scopus Indexed)	2018
5	R. Jumaidin, M.S. Salit, M.S. Firdaus, A.F.A. Ghani, M.Y. Yaakob, N.H. Zakaria, F.A. Munir (2018). Effect of agar on dynamic mechanical properties of thermoplastic sugar palm starch: Thermal behavior, <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , Vol. 47(1), pp. 89-96. (Scopus Indexed)	2018
6	R. Adnan, Z. Sabri Adlan, F.A. Munir , T.M. Indra, H.H. Masjuki (2018). Effects of equivalence ratio on performance and emissions of diesel engine with hydrogen and water injection system at variable injection timing, <i>International Journal of Mechanical and Mechatronics Engineering</i> , Vol. 18(1), pp. 106-111 (Scopus Indexed)	2018
7	R. Adnan, Z. Sabri Adlan, F.A. Munir , M.O. Asnawi (2018). Experimental study on the effect of intake air temperature on the performance of spark ignition engine fueled with hydrogen peroxide, <i>ARPN Journal of Engineering and Applied Sciences</i> , Vol. 13(10), pp. 3388-3394. (Scopus Indexed)	2018
8	N. M. Ishak, D. Sivakumar, M. R. Mansor, F. A. Munir and K. A. Zakaria (2018). Application of Triz to Develop Natural Fibre Metal Laminate for Car Front Hood, <i>ARPN Journal of Engineering and Applied Sciences</i> , Vol. 13(1), pp. 230-235 (Scopus Indexed)	2018
9	A.R. Saleman, F.A. Munir , M.R.M. Zin, G. Kikugawa, T. Ohara (2018). Heat transport at solid-liquid interfaces between face-centered cubic lattice and liquid alkanes, <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , Vol. 44(1), pp. 123-130. (Scopus Indexed)	2018
10	M.M. Tahir, A.M.M. Shafie, F.A. Munir , M.Z. Hassan. (2017). Development of Numerical Model for Simulation Intake Flow in Combustion Chamber of L-Head Engine Type. <i>International Journal of Mechanical & Mechatronics Engineering IJMME-IJENS</i> , 17(2), 134-142. (Scopus Indexed)	2017

11	M.Z. Hassan, K. Magaswaran, F.A. Munir , M.M. Tahir. (2017). Dynamics Friction Distribution at Disc-Pad Contact and its Effect on Brake Pad Vibration, <i>International Journal of Mechanical & Mechatronics Engineering IJMME-IJENS</i> , 17(5), pp.1-6 (Scopus Indexed)	2017
12	F.A. Munir , T. Seo & M.Mikami. (2017). Optimization of Flame Stabilization Limits In Meso-Scale Tube Combustors with Wire Mesh, <i>International Journal of Mechanical & Mechatronics Engineering IJMME-IJENS</i> , 17 (6), pp.1-6	2017
13	Hassan, Muhammad Zahir, & Munir, F.A. (2016). A Numerical Study of Flame Stabilization in Single Channel and Counter-flow Meso Scale Combustor. <i>International Journal of Mechanical & Mechatronics Engineering IJMME-IJENS</i> , 16(4), 1-8 (Scopus Indexed).	2016
14	F.A. Munir & M. Mikami (2015). A numerical study of propane-air combustion in meso-scale tube combustors with concentric rings. <i>Journal of Thermal Science and Technology</i> , 10(1), 1-12. doi: 10.1299/jtst.2015jtst0008 (ISI Indexed)	2015
15	Fudhail Abd Munir , Mohd Irwan Mohd Azmi, Nadlene Razali, Ernie Mat Tokit, The Effect of Parameter Changes to the Performance of a Triangular Shape Interrupted Microchannel Heat Sink , <i>Jurnal Teknologi</i> , Vol 58, 2012, pp 33-37. ISSN 2180 3722 (Scopus Indexed)	2012
16	F.A. Munir , M.R.M. Zin, N.A.C Sidik & M.A. Salim (2012), Accurate Numerical Prediction of Incompressible Fluid Flow in Lid Driven Cavities, <i>Applied Mechanics and Materials</i> , Vol 110-116, pp. 4365-4372. ISSN 1660-9336 (Scopus Indexed)	2012
17	Nor Azwadi Che Sidik & Fudhail Abdul Munir , (2012), Mesoscale Numerical Prediction of Fluid Flow in a Shear Driven Cavity, <i>Arabian Journal of Science and Engineering</i> , Vol 37, pp. 1723-1735. ISSN 1319-8025 (Scopus indexed)	2012
18	Azma Putra, Fudhail A. Munir and Clinton D. Juis, (2012), On a simple technique to measure the airborne noise in a car interior using substitution source, <i>International Journal Vehicle Noise and Vibration</i> , Vol 8 (3), 2012, pp 275-287 ISSN 1479-148X (Scopus Indexed)	2012
19	N.A. Halim, F.A. Munir , & N.I.A. Ahsan, 2012, Writing Final Year Project Report in English: Problems, Motivating and Hindering Factors among UTeM Final Year Engineering Students, <i>Asian Social Science</i> , Vol 8 (1), ISSN 1911-2017. (Scopus Indexed)	2012
20	Azmi, M.I.M., Nordin, M.N.A., Mahmud, M.S., Putra, A., Munir, F.A. , Zin, M.R.M., Razali, N. , Shaharuzaman, M.A. , Nuri, N.R.M. (2012) Experimental investigation on the effect of container geometry change to liquid sloshing, <i>Applied Mechanics and Materials</i> , Volume 165, 2012, pp 160-164 (Scopus Indexed)	2012
21	M.A. Salim, A. Nordin, & F.A. Munir , 2011, Development of Low Cost High Rise Building using Austenitic-Ferritic Material in Nano-Scale Environmental Challenges to Sustain a Green Building, <i>International Review of Mechanical Engineering (IREME)</i> , Vol 5(4). pp 784-791. ISSN: 1970-8742. (Scopus Indexed)	2011
22	F.A. Munir , M.I. M. Azmi, M.R.M. Zin, N.A.C Sidik, 2011, Application of Lattice Boltzmann Method For Lid Driven Cavity Flow, <i>International Review of Mechanical Engineering</i> ,Vol 5 (5) ISSN: 1970-8742 (Scopus Indexed)	2011
23	F.A. Munir , M.I.M. Azmi, M.A. Salim, M.R.M. Zin, M.Z. Hassan, (2011). Preliminary Design of Carbon Composite Facing for Dry Clutch Disc of Mini Agricultural Tractor. <i>International Review of Mechanical Engineering</i> , Vol 5(4). pp 577-580. ISSN: 1970-8742 (Scopus Indexed)	2011
24	Munir, F.A. , N.A.C. Sidik and N.I.N. Ibrahim, (2011). Numerical simulation of natural convection in an inclined square cavity. <i>Journal of Applied Sciences</i> , vol 11(2) pp. 373-378. ISSN 1812-5654 (Scopus Indexed)	2011
25	M.A. Irwan, A.M. Fudhail , C.S Nor Azwadi and G. Masoud, (2010). Numerical Investigation of Incompressible Fluid Flow Through Porous Media In A Lid Driven Square Cavity. <i>American Journal of Applied Sciences</i> , 7(10) pp. 1341-1344. ISSN 1546-9239 (Scopus Indexed)	2010

B. List of Selected Conference Proceedings

No	Title & Conference Name	Year
1	R. Muslim, H. Saputro, T. Firdani, S. Lasmini, K. Khaniffudin, D.S. Wijayanto, L. Fitriana, F.A. Munir, V.L.P. Sutrisno, (2018), <i>Gasification modelling method using energy Gibbs minimum of palm starch solid waste</i> , IOP Conference Series: Materials Science and Engineering, Vol. 434(1). (Scopus Indexed)	2018
2	Saputro, H., Muttaqin, I., Supriyadi, S., Fadlullah, V., Fitriana, L.b, Firdani, T., Muslim, R., Khaniffudin, K., Lasmini, S., Sutrisno, V.L.P., Wijayanto, D.S., Munir, F.A. (2018) <i>The performance of up-draft gasifier with various of air flow rate in gasification palm starch waste</i> , MATEC Web of Conferences, Vol. 197. (Scopus Indexed)	2018
3	Purwanto, A., Fitriana, L., Wijayanto, D.S., Sutrisno, V.L.P., Ariyanto, E.D., Bima, M., Pratama, Y., Juwantonno, H., Firdani, T., Muslim, R., Munir, F.A. Analysis of flame stabilization limit in a cylindrical of step micro-combustor with different material through the numerical simulation, MATEC Web of Conferences, Vol. 197 (Scopus Indexed)	2018

4	F.A., Munir, M. Mikami. (2015) Modeling of propane-air combustion in meso-scale tubes with wire mesh, <i>10th Asia-Pacific Conference on Combustion, ASPACC 2015; Beijing; China; 19 July 2015 through 22 July 2015 (Scopus Indexed)</i>	2015
5	M.A. Salim, A. Nordin, F.A. Munir and N.R.M. Nuri, (2012), The Relationship of Contact Angle and Input Shaping Scheme in Automotive Wiper System, <i>Proceedings of IEEE RIVF International Conference on Computing & Communication Technologies , Research Innovation and Vision for The Future, 2012, Vietnam, pp. 205-208, ISBN: 978-1-4673-0308-8.</i>	2012
6	Mohd Irwan Mohd Azmi, Fudhail Abdul Munir , Nadlene Razali, Mohd Nur Azmi Nordin and Teo Swee Hong. (2012), The Effect of Total Length on Interrupted Microchannel Performance , <i>Proceedings of 3rd International Conference on Engineering and ICT (ICEI2012) ,Melaka, Malaysia, Vol 1 , pp. 97-99</i>	2012
7	Muhammad Zahir bin Hassan, Fudhail Abdul Munir , Mohd Rody Mohd Zin and Mohd Irwan Mohd Azmi, (2012), Thermal Analysis of A Of Brake Disc Rotor For Personal Electric Vehicle, <i>Proceedings of 3rd International Conference on Engineering and ICT (ICEI2012) ,Melaka, Malaysia, Vol 2 , pp. 455-458.</i>	2012
8	N.H.Zakaria, M.Z.M.Rody and F.A.Munir , (2012), 2D Turbulence Simulation Models On Forward–Backward Facing Step, <i>Proceedings of 3rd International Conference on Engineering and ICT (ICEI2012) ,Melaka, Malaysia, Vol 2 , pp. 465-468.</i>	2012
9	M.I. M. Azmi, F.A. Munir , N.M. Daud & N.A.C Sidik, Mesoscale Simulation of Natural Convection in Square Cavity Driven By Discrete Two Source-Sink Pairs On One Sidewall, <i>Proceedings of International Conference on Computer and Communication (ICCCD 2011)</i> , pp. 371-374, 1- 3 April 2011, Bali, Indonesia. ISBN : 978-1-4244-9829-1	2011
10	M.Z. Hassan, M.I. M. Azmi & F.A. Munir , Application of Finite Element Analysis For Prediction of Disc Brake Squeal, <i>Proceedings of the Fourth International Conference on Modelling and Simulation (ICMS 2011)</i> , Vol 2, pp. 74-78, April 25-26 2011, Phuket Thailand. ISBN: 978-84626-070-4	2011
11	F.A. Munir , M.R.M. Zin, M.A. Shaharuzaman, M.I.M. Azmi, M.Z. Hassan & M.F.I . Ibrahim, Basic Design of Dry Clutch Disc For a Mini Farming Tractor, <i>Proceedings of International Conference on Mechanical, Automotive and Aerospace Engineering</i> , May 17-19 2011, Kuala Lumpur Malaysia. ISBN: 978-967-10455-0-3	2011
12	F.A. Munir , M.Z. Hassan, M.R.M. Zin, M.A. Shaharuzaman, Prediction of Brake Noise Through Experimental Modal Analysis, <i>Proceedings of International Conference on Mechanical, Automotive and Aerospace Engineering</i> , May 17-19 2011, Kuala Lumpur Malaysia. ISBN: 978-967-10455-0-3	2011
13	F.A. Munir , N. R. M. Nuri, M.I. M Azmi, M.A. Salim, M.Y. Hasnan, Preliminary Studies of Airflow around Vehicle Front Windscreen, <i>International Meeting of Advances in Thermofluids 4th IMAT</i> , 3-4 October 2011,Melaka Malaysia. ISBN: 978-967-0194-07-3	2011
14	M.I.M. Azmi, N.A.C Sidik, F.A. Munir , S. Misha, N.M. Daud, N.Razali, I.M. Sahat, Free Convection in Square Cavity Driven By Descrete Three Source-Sink Pairs on One SideWall, <i>International Meeting of Advances in Thermofluids 4th IMAT</i> , 3-4 October 2011,Melaka Malaysia. ISBN: 978-967-0194-07-3	2011
15	M.I.M. Azmi, Y.C. Chuan, E.M. Tokit, N.Razali, F.A. Munir , M.N.A. Nordin, N.R.M Nuri, The effect of contact angle on triangular shape interrupted microchannel heat sinks performance, <i>International Meeting of Advances in Thermofluids 4th IMAT</i> , 3-4 October 2011,Melaka Malaysia. ISBN: 978-967-0194-07-3	2011
16	F.A. Munir , M.A. Shahruzaman, M.Z. Hassan, M.A. Salim, M.R.M. Zin, M.I.M Azmi and N.R.M. Nuri, Components Design of a Single Seat Educational Race Vehicle, <i>Proceedings of Malaysian Technical Universities International Conference on Engineering & Technology (MUICET 2011)</i> ,Johor Malaysia, 2011. ISBN : 978-967-5457-85-2	2011
17	M.A.M. Irwan, M.M. Syahrail, P. Azma, A.M. Fudhail , M.Z.M. Rody, R. Nadlene, S. M. Adrinata and M.N.N. Rashid , Experimental Investigation on the Effect of Liquid Fill Level in a Container to Liquid Sloshing, <i>Proceedings of Malaysian Technical Universities International Conference on Engineering & Technology (MUICET 2011)</i> , 2011,Johor Malaysia, ISBN : 978-967-5457-85-2	2011
18	M.A. Salim, F.A. Munir, C.N. Razali, D.M.N.N Rashid, E.F. Wasbari, Validation of Vibration Level in Automotive Flexible Wiper System, <i>Proceedings of Malaysian Technical Universities International Conference on Engineering & Technology (MUICET 2011)</i> , 2011,Johor Malaysia, ISBN : 978-967-5457-85-2	2011
19	Mohd Irwan Mohd Azmi, Mohd Nur Azmi Nordin, Muhammad Syahrail Mahmud, Azma Putra,Fudhail Abdul Munir,Mohd Rody Mohamad Zin, Nadlene Razali,Mohd Adrinata	2011

	Shaharuzaman, and Nur Rashid Mat Nuri, Experimental Investigation on the Effect of Container Geometry Change to Liquid Sloshing, <i>Regional Conference on Automotive Research (ReCAR), 2011</i> , Kuala Lumpur	
20	A.M., Fudhail, N.A.C. Sidik, M.Z.M Rody, H.M. Zahir, and M.T. Musthafah. Numerical Simulations of Shear Driven Square and Triangular Cavity by Using Lattice Boltzmann Scheme. <i>Proceedings of International Conference on Computer, Electrical Systems, Science and Engineering</i> , 28-30 September 2010. Amsterdam. ISSN: 1307-6892	2010
21	A.M. Fudhail & N.A.C. Sidik. Numerical simulations of shear driven square cavity by using enhanced meshing system. <i>Proceedings of Malaysia Technical Universities Conference on Engineering and Technology 2010</i> . 28 Jun- 29 Jun 2010	2010
22	M.A.Salim, A.N.Jahari, M.Z.M.Rody, M.Fudhail , <i>The Development of Two Dimensional Mathematical Model in Vertical Motion of Underwater Vehicle (UV) using Lagrange Technique</i> , Proceedings of Malaysian Technical Universities Conference on Engineering and Technology, 28 – 29 June 2010, Page 259 – 262, ISBN 978-983-2948-77-3.	2010
23	A.M., Fudhail , N.A.C. Sidik, M.Z.M Rody and H.M. Zahir, Accurate Numerical Prediction of Incompressible Fluid Flow in Lid-Driven Cavities. <i>Proceedings of International Conference on Mechanical and Aerospace</i> , 26-28 November 2010, Kuala Lumpur, Malaysia. ISBN: 978-1-4244-8770-7	2010
24	M.Z.M Rody, N.A.C. Sidik & A.M. Fudhail . Modeling of Droplet Motion on Horizontal Plate By Using Lattice Boltzmann Numerical Scheme. <i>Proceedings of International Conference on Fundamental and Applied Science</i> . 15-17 June, 2010, Kuala Lumpur	2010
25	M.Z.M Rody, N.A.C. Sidik & A.M. Fudhail . Modeling of Droplet Spreading and Falling By Using Lattice Boltzmann Numerical Scheme. <i>International Conference on Engineering and Technology Education</i> . 2-3 August 2010.	2010
26	M.A.Shaharuzaman, F.A. Munir , M.Z. Hassan, M.R.M Zin, and M.A. Salim, Development of a single seat race vehicle for educational motorsport engineering, <i>Proceedings of The 3rd International Conference on Science and Technology</i> , 17-19 December 2010, Penang, Malaysia.	2010

XIII. Senarai Penyeliaan Pelajar PascaSiswazah (Sila senaraikan nama pelajar, tajuk dan peringkat pengajian semenjak 2007)

Supervisor for postgraduate students since 2007 (Please list their names, project title and status)

A. Master by Research

No	Name of student	Title of Research	Level & Status
1	Muhammad Ikhwan Muazzam Bin Zainuddin (Main Supervisor)	Investigation of Combustion Characteristics & Conversion Efficiency of Micro Combustors with Heat Recirculation	Master by Research (M Sc) Status: On-going
2	Sabri Adlan Bin Zainol (Co Supervisor)	Experimental Investigation on Performance & Emission of Spark Ignition Engine Fueled with Hydrogen	Master by Research (M Sc) Status: On-going
3	Mohd Junaidi Rosli (Co-supervisor)	Modeling of Joint for Thin Walled Structure Under Bending and Torsion Loads	Master by Research (M Sc) Status: On-going

B. Master by Taught Course (Master Project)

No	Name of student	Title of Research	Level & Status
1	Faris Bin Azman (M04151004)	Numerical Simulation of Defogging on Automotive Windshield	Master of Engineering Project Completed 2017
2	Abdel Gader Abilah Saleh Gheidani (M041520006)	Numerical Investigation of Effect of Combustors Geometry on Flame	Master of Engineering Project Completed 2017

		Stabilization Limits of Micro Combustors	
3	Syimir Izaan Bin Sazman (M041610007)	Numerical Simulation of Propane Combustion in Pre Combustion Chamber	Master of Engineering Project Completed 2018
4	Mohamad Sabri Sehen Al Zubaidi	Energy Performance of Rapid Bus Route	Master of Engineering Project Completed 2018
XIV. External Examiner MSc 1. Kapten Wan Mohd Amin Bin Wan Shuib Title: Study on The Effects of Bluff Body With Slit in the Micro Channel Combustor University: Universiti Pertahanan Nasional			
XV. Journal Editorial 1. Technical Editor for Journal of Mechanical Engineering and Technology (JMET), 2016-2018 2. Associate Editor for Journal of Advanced Research in Fluid Mechanics & Thermal Sciences (Scopus Indexed)			
XVI. Journal/Conference/Book/Chapter Reviewer/Examiner 1. International Journal, Engineering Science and Technology, Elsevier JESTCH2015: Reviewer 2. International Journal, Engineering Science and Technology, Elsevier JESTCH2017: Reviewer 3. International Journal, Engineering Science and Technology, Elsevier JESTCH2018: Reviewer 4. ARPN Journal of Engineering and Applied Science, ARPN 2017: Reviewer 5. Journal of Mechanical Engineering and Technology (JMET), JMET 2018: Reviewer 6. Mechanical Engineering Research Day 2017: Reviewer 7. Journal of Mechanical Engineering (JMechE), JMechE 2018: Reviewer 8. Journal of Mechanical Engineering (JMechE), JMechE 2018: Reviewer 9. International Conference on Separation Technology (ICoST2017) 15-16 April 2017 Johor: Reviewer 10. Innovative Research and Industrial Dialogue 2018 (IRID 2018): Reviewer 11. Engineering Technology International Conference (ETIC 2018): Reviewer 12. ASIATRIBOLOGY 2018: Reviewer 13. 5 th International Conference and Exhibition on Sustainable Energy and Advanced Material (ICESEAM 2017): Reviewer 14. 2 nd International Symposium on Fluid Mechanics and Thermal Science 2018 : Reviewer 15. 7 th International Conference on Design & Concurrent Engineering 2018: Reviewer 16. Mechanical Engineering Research Day (2017 & 2018) : Reviewer 17. Examiner for Master of Engineering Project (MMCU 5910) 2016 18. Examiner for Master of Engineering Project (MMCU 5910) 2017 19. Examiner for Master of Engineering Project (MMCU 5910) 2018 20. Examiner for Master of Engineering Project (MMCU 5910) 2019 21. Research Proposal Defense (RPD) Examiner 2018 22. Assistant VIVA Voice Chairman 2018 23. Interviewer for GE Mock Interview 2017 (UTeM) 24. Journal of Engineering Technology (JET) 2019: Reviewer 25. International Journal of Automotive and Mechanical Engineering (IJAME) 2019 : Reviewer			
XVII. Committee Involvement/Invited Speaker/Invited Jury 1. Speaker for Short Course on CFD, 29 & 30 August 2016, UTeM 2. Committee Member for New Academic Program Faculty of Mechanical Engineering UTeM (2016-2017) 3. Committee Member for Mechanical Design Day 2016 4. Committee Member of Graduate Employability (GE), Alumni and Promotion, Faculty of Mechanical Engineering, UTeM (2016-2018) 5. Committee Member of Publication, Faculty of Mechanical Engineering, UTeM (2016-2018) 6. Committee Member of Supervision, Teaching and Learning, Faculty of Mechanical Engineering, UTeM (2017) 7. Committee Member of Final Year Project (FYP), Faculty of Mechanical Engineering, UTeM (2017-2019)			

8. Committee Member of Technical Evaluation, Faculty of Mechanical Engineering, UTeM (2017)
9. Speaker for Kursus Pengenalan kepada Kejuruteraan Automotif for Perodua Eco Challenge 2017 UTeM Team, 6 & 7 Feb 2017, UTeM
10. Invited Researcher to Universitas Sabelas Maret (UNS), 26 Sept to 28 Sept 2017
11. Chairperson for 2nd Postgraduate Research Symposium on Mechanical Engineering, 5th January 2017
12. Jury for Mechanical Engineering Research Day (MERD 2017)
13. Jury for Innovation and Technology Competition (iNOTEK 2017)
14. Jury for Manufacturing Innovation Day (UTeM) 2017
15. Chairperson for 3rd Postgraduate Research Symposium on Mechanical Engineering, 17th January 2018
16. UTeM Journal Committee Member (2016-2018)
17. UTeM Journal Committee Member (2019-2020)
18. Invited Participant for Seminar Pendekatan JKR ke Arah Penggunaan Kenderaan Elektrik, 5 Jul 2018, Menara KKR2, Ibu Pejabat JKR Kuala Lumpur
19. Committee Member (Logistics) of The 5th International Conference & Exhibition on Sustainable Energy and Advanced Material (ICE-SEAM) 2017
20. Committee Member for Prototype and Testing Unit for Perodua Eco-Challenge UTeM 2017
21. Committee Member for Styling and Design for Perodua Eco-Challenge UTeM 2017
22. Ad Hoc-Committee Member for Automotive Engineering Academic Programme UTeM 2017-2019
23. Committee Member of Professional Development (JKPP) UTeM (2018-2019)
24. Committee Member for Quality and Risk Management, Faculty of Mechanical Engineering (2018-2020)
25. Committee Member for Mechanical Engineering Research Day (MERD 2018)