



**Kurikulum Vitae Penuh**  
**Full Curriculum Vitae**

URL: <http://www.mohdfadzli.com>

Short CV: [http://www.mohdfadzli.com/ShortCV\\_fadzli.pdf](http://www.mohdfadzli.com/ShortCV_fadzli.pdf)

Scopus: <http://www.scopus.com/authid/detail.url?authorId=36238801000>

Publons: <https://publons.com/author/1247625/mohd-fadzli-bin-abdollah>

ORCID: <http://orcid.org/0000-0002-2460-2888>

Google Scholar: <http://scholar.google.com.my/citations?user=MVWeki0AAAAJ>

ResearchGate: [https://www.researchgate.net/profile/Mohd\\_Fadzli\\_Bin\\_Abdollah](https://www.researchgate.net/profile/Mohd_Fadzli_Bin_Abdollah)

**I. Maklumat Peribadi:**

**Personal Particulars**

**Nama:** Mohd Fadzli Bin Abdollah

**Name:**

**Tarikh Lahir:** 14 June 1980

**Date of Birth:**

**Fakulti/Pusat:** Faculty of Mechanical Engineering

**Faculty/Centre**

**Jawatan:** Associate Professor

**Current Position:**

**Tetap / Sementara/Kontrak:** Permanent

**Permenant/temporary**

**Gred Kumpulan:** DS54

**Gred position**

**Tarikh Pertama Berkhidmat di UTeM :** 1 September 2005

**Date of First Appointment with UTeM**

**Nombor Telefon:** 06 270 4335

**Telephone Number**

**E-mel:** mohdfadzli@utem.edu.my

**E-mail**

**Tarikh Pengemaskinian CV:** 10 October 2021

**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
2004	Bachelor of Engineering with Honors (B.Eng. (Hons.))	Mechanical Engineering	Universiti Kebangsaan Malaysia (UKM)
2005	Master of Engineering (M.Eng.)	Mechanical Engineering	Universiti Kebangsaan Malaysia (UKM)
2011	Doctor of Engineering (Dr.Eng.)	Mechanical Science and Engineering	Nagoya University, Japan

**B. Tajuk tesis pascasiswazah** (Sila senaraikan tajuk tesis bermula daripada peringkat Sarjana mengikut susunan kronologi)

**Titles of postgraduate thesis written** (Please list all thesis written, from your Master Degree in chronological order)

(a) Impact wear mechanisms of DLC coating, Dr.Eng., 2011

(b) Fabrication of Porous Alumina as a Synthetic Bone in Biomedical Applications, M.Eng., 2005

**III. Anugerah akademik/penyelidikan  
Academic/research award**

- (a) Excellent Paper Award – ICETAT2018
- (b) Outstanding Reviewer 2018 (Energy) by Elsevier, Amsterdam, The Netherlands
- (c) Outstanding Paper Award 2017 (Industrial Lubrication and Tribology Journal) by Emerald Publishing Limited, UK
- (d) Outstanding Reviewer 2017 (Tribology International) by Elsevier, Amsterdam, The Netherlands
- (e) Best Paper Award – ISORIST'17
- (f) Best Tribology Paper Award – APSIM2016
- (g) Candidate for Excellence Service Medal 2015 – Ministry of Higher Education Malaysia.
- (h) Excellence Service Award 2015 – Universiti Teknikal Malaysia Melaka.
- (i) University Academic Award 2015 – Quality Paper Award: Winner
- (j) University Academic Award 2014 – Potential Academic Award: Consolation prize
- (k) University Academic Award 2013 – Special Award (PECUTeM2013 Group): Winner
- (l) University Academic Award 2013 – Research Award: Consolation prize
- (m) University Academic Award 2013 – Potential Academic Award: Nomination
- (n) Excellence Service Award 2012 – Universiti Teknikal Malaysia Melaka.
- (o) University Academic Award 2012 – Special Award (PGMC2012 Group): Winner
- (p) University Academic Award 2012 – Special Award (AVT Group): Nomination
- (q) Scholarship award under academic training scheme, Universiti Teknikal Malaysia Melaka, 1 December 2008 ~ 10 November 2011.
- (r) Dean List Award 2004/2005, Faculty of Engineering, Universiti Kebangsaan Malaysia.

**IV. Bidang Penyelidikan Utama  
Main Areas of Research Interest**

- (a) Tribology Eco-Materials
- (b) Surface Engineering

**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)**

Duration	Title	Project Number/Source	Role	Amount	Status
1.8.2007 – 28.2.2009	A study on the re-resolution heat treatment of an aluminum alloy.	PJP/2007/FKM(6)/S00345	Project leader	RM20,000	Completed
1.9.2006 – 30.4.2008	Design and development of a semi active damper for automotive suspension system.	PJP/2006/FKM(12)/S00215	Co-researcher	RM20,000	Completed
1.4.2009 – 31.10.2011	Impact wear mechanisms of DLC coating.	Doctor of Engineering Thesis (Nagoya University; Denso Japan; UTeM)	Project leader	JPY1,000,000	Completed
2012	Perodua Eco-Challenge 2012	Perodua	Co-researcher	RM10,000	Completed
2013	Taiho Kogyo Tribology Research Foundation for Symposium & Young Tribologist Grants. (Awarded to MITC2013)	Taiho Kogyo Tribology Research Foundation (TTRF)	Project leader	USD15,000	Completed

2013	Perodua Eco-Challenge 2013	Perodua	Co-researcher	RM15,000	Completed
1.5.2012 – 30.4.2014	Engine performance and emission characteristics of hydrogen enrichment in light duty diesel engine.	FRGS/2012/FKM/TK08/02/1/F00140	Co-researcher	RM92,300	Completed
1.6.2012 – 31.5.2014	Tribological investigation of nano-based engine oil diluted with biodiesel fuel.	PJP/2012/FKM(40A)/S01044	Project leader	RM18,060	Completed
1.10.2012 – 31.5.2014	Fuel specification and engine testing.	MTUN/2012/UMP-FKM/1 M00005	Co-researcher	RM25,000	Completed
1.10.2012 – 31.3.2014	Preliminary study of the availability of using lube oil based on local straight vegetable oil in automotives and other applications.	PJP/2012/FTK(61A)/S01071	Co-researcher	RM11,000	Completed
1.10.2012 – 31.7.2014	Influence of nanolubricant on tribological performance, emissions and fuel consumption of a diesel engine.	PJP/2012/FKM(11A)/S01086	Co-researcher	RM20,000	Completed
7.6.2013 – 6.12.2014	Experimental investigation to the effect of nano-based engine oil on performance and emission characteristics of a diesel engine.	TWAS-COMSTECH Joint Research Grants (GLUAR/2013/FKM(2)/A00003)	Project leader	USD8,000	Completed
1.6.2013 – 31.12.2014	Green Technology and Business Performance among Malaysia SMEs in Manufacturing Industries	PJP/2013/FPTT(2A)/S01144	Co-researcher	RM8,100	Completed
1.12.2012 – 14.12.2015	A new thermal management of HEVs/EVs battery modules with microPCM/CNT composites.	RAGS/2012/UTEM/TK01/1	Project leader	RM79,930	Completed
15.3.2015 – 15.9.2015	Homogenizer rotor & stator re-design for high shear force & shorter cycle time	GLuar/PPRN/2015/FKE/G00030	Co-researcher	RM30,000	Completed
1.5.2013 – 30.4.2016	New strategies for energy saving: The future focus on energy efficient vehicles (EEVs) in Malaysia.	TD-FRGS/1/2013/UTEM/02/1	Program leader	RM443,280	Completed

1.6.2013 – 31.5.2016	A comparative study of tribological behaviour of new palm shell activated carbon reinforced aluminum matrix composite (PSAC-Al) in different environmental conditions.	ERGS/2013/FKM/TK01/UTEM /02/04/E00016	Project leader	RM100,000	Completed
1.6.2013 – 31.5.2015	Investigation on the mechanical properties of novel oil palm fibre reinforced-metal laminate systems.	ERGS/1/2013/TK01/UTEM/02/07	Co-researcher	RM100,000	Completed
17.12.2013 - 16.06.2016	Design for a new eco-lightweight friction material with palm oil fiber enrichment for wear characteristics study	CG060-2013	Project leader 2	RM143,750	Completed
1.10.2013 - 30.9.2015	Tribological behavior of green carbon fibre waste reinforced thermoplastic composites prepared via melt mixing	RAGS/2013/FKP/TK04/02/B00029	Co-researcher	RM70,000	Completed
1.10.2013 - 30.9.2015	Feasibility study of palm oil as new insulation medium for power transformer	RAGS/2013/FKE/TK02/01/B00024	Co-researcher	RM61,500	Completed
1.1.2013 - 31.12.2015	Proton Green Mobility Challenge	GLUAR/2013/FKE(1)/I00001	Co-researcher	RM41,000	Completed
1.8.2014 - 31.1.2016	Development of a neoprene gasket with an interlock mechanism for portable hydrogen cell	PJP/2014/FKM(13A)/S01344	Co-researcher	RM14,990	Completed
1.8.2014 - 31.1.2016	Study of transformer oil dispersed with nanoparticles as alternative insulation liquid	PJP/2014/FKE(16B)/S01363	Co-researcher	RM24,000	Completed
1.10.2013 - 29.8.2016	Wear characteristics study of a new eco-lightweight friction material with palm oil fiber enrichment	RAGS/2013/FKM/TK01/03/B00042	Co-researcher	RM68,000	Completed
1.7.2014 - 30.6.2016	A novel approach of carbon powders assisted conventional electrical discharge machining on low conductivity silicon carbide	FRGS/1/2014/TK01/FKP/02/1/F00220	Co-researcher	RM79,000	Completed

1.8.2014 - 30.01.2017	Effectiveness of lead-free bearing material with optimal surface texture-filled hBN nanoparticles for friction control	PJP/2014/FKM(9A)/S01326	Project leader	RM20,000	Completed
1.12.2014 - 30.11.2016	A new method of CFD modeling for automotive catalyst monoliths by integrating porous medium and individual channel approaches	FRGS/2/2014/TK01/FKM/02/F00231	Co-researcher	RM118,200	Completed
26.1.2015 - 25.1.2017	Investigation of the motion and force characteristic of a 3-phase driven rotary electromagnetic microactuator using FEM analysis for high thrust force and low friction motion	RACE/F3/TK5/FKE/F00249	Co-researcher	RM49,500	Completed
1.12.2014 - 30.11.2016	Experimental investigation on vibration characteristics on ball bearing operated with hexagonal boron nitride (Hbn) nanoparticle additives in engine oil	RAGS/1/2014/TK01/FKM/B00066	Co-researcher	RM55,000	Completed
1.12.2014 - 30.11.2016	Parametric investigation of biodiesel properties to the storage condition	RAGS/1/2014/TK06/FKM/B00071	Co-researcher	RM57,500	Completed
1.12.2014 - 30.11.2016	Investigation of motion and force characteristic of a 3-phase rotary electromagnetic microactuator using non-linear controller for high thrust force and low friction motion	RAGS/1/2014/TK01/FKE/B00049	Co-researcher	RM53,000	Completed
1.12.2015 - 30.11.2017	Physical property modification of vegetable oil based lubricant using zinc ion derivatives	RAGS/1/2015/TK03/UTEM/03/2	Co-researcher	RM73,490	Completed
1.12.2015 - 30.11.2017	Investigation on layer bio-adhesion of fused filament fabrication to enhance manufacturability	FRGS/1/2015/TK03/UTEM/02/14	Co-researcher	RM79,400	Completed
1.12.2015 - 30.11.2018	Physio-chemical evaluation and tribological studies of eco-friendly biodegradable novel bio-lubricants based on banana peel waste	FRGS/1/2015/TK10/UTEM/02/6	Co-researcher	RM142,300	Completed

1.12.2015 - 31.05.2018	Physical property modification of vegetable oil based lubricant using zinc ion derivatives	RAGS/1/2015/TK03/FTK/03/B00116	Project leader	RM73,490	Completed
1.8.2016 - 31.01.2019	Synthesis of graphene film from palm kernel activated carbon using chemical vapor deposition for durability control	FRGS/1/2016/TK10/FKM-CARE/F00315	Project leader	RM117,200	Completed
15.3.2019 - 14.9.2020	Dry friction behaviour of lubricant-impregnated palm kernel activated carbon-reinforced polymer composite for intermittent lubrication system	PJP/2019/FKM(10A)/S01683	Co-researcher	RM20,000	Completed
1.1.2019 - 31.12.2021	Correlation of mechanical-material properties and tribological behaviour of 3D-printed object with internal geometrical structure	FRGS/2018/FTKMP-CARE/F00385	Co-researcher	RM81,200	On-going
1.1.2019 - 31.12.2021	Correlation of design parameters of lightweight lattice structures on vibration characteristics and mechanical strength for high efficiency isolator	FRGS/2018/FKM-CARE/F00371	Co-researcher	RM113,500	On-going
1.1.2019 - 31.12.2021	Characterisations on wettability properties of laser textured ZnO/ TiO <sub>2</sub> coatings for pipeline antifouling activities.	FRGS/1/2018/TK03/UKM/02/8	Co-researcher	RM85,000	On-going
2019 - 2021	Machinability and tribology investigation of nano-hybrid Cryogenic-MQL cooling system in milling titanium alloys for biomedical implant	FRGS/1/2019/TK03/UMP/02/12	Co-researcher	RM86,550	On-going
6.8.2019 - 7.8.2021	Material compatibility assessment on palm biodiesel (B30): engine performance and emission evaluation, fuel delivery system, tribology study and injector performance	MPOB/2019/FKM-CARE/G00066	Co-researcher	RM314,930	On-going
15.1.2019 - 14.1.2022	Erasmus+ capacity building in higher education (CBHE) on automotive engineering	ANTARABANGSA-ERASMUS/2019/FKM-CARE/A00021	Co-researcher	RM393,856	On-going

1.11.2020 - 31.10.2023	Tribological behavior of lubricant-impregnated palm kernel activated carbon polymer composite as an alternative self-lubricating material	FRGS/1/2020/FKM-CARE/F00432	Co-researcher	78,475.00	On-going
1.11.2020 - 31.10.2023	Analysis of tribo-mechanical behaviour of 3D printed polycarbonate-urethane for artificial meniscal material	FRGS/1/2020/FKM-CARE/F00441	Project leader	RM130,800	On-going
7.9.2021 - 6.9.2023	Dispersivity and tribological behaviour of oil palm fibre-based graphene synthesised on copper nanoparticle surfaces for superlubricity oil additive	FRGS/1/2021/FKM/F00480	Co-researcher	102,800.00	On-going

**VI. Senarai Anugerah Pameran/Pertandingan Penyelidikan yang diperolehi**  
**List of research exhibition/competition awards**

Name/Event	Award
Virtual Research and Innovation Exhibition UniMAP (EREKA 2020)	- <b>Bronze Award</b> for product "3D-printed bearing with internal geometry"
30 <sup>th</sup> International Invention, Innovation & Technology Exhibition (ITEX'19)	- <b>Silver Award</b> for product "Synthesis of graphene from waste products"
Jejak Inovasi UTeM 2018	- <b>Silver Award</b> for product "Synthesis of graphene from waste products"
29 <sup>th</sup> International Invention, Innovation & Technology Exhibition (ITEX'18)	- <b>Gold Award</b> for product "HHO cell for improved engine performance and emission"
UTeM Research and Innovation Expo 2017 (UTeMEX 2017)	- <b>Gold Award</b> for product "Low cost HHO gas flow meter" (Co-Researcher) - <b>Silver Award</b> for product "New self-lubricating antifriction material based on palm kernel activated carbon" - <b>Silver Award</b> for product "New biodiesel extracted from palm oil and waste cooking oil feedstock" - <b>Silver Award</b> for product "Biodegradable self lubricating wear reducer" - <b>Bronze Award</b> for product "A-low cost fire extinguisher using sound wave" - <b>Bronze Award</b> for product "Nano-oil as new indicator to reduce vibration on ball bearing" <b>Bronze Award</b> for product "Lub from banana peel")
Mini UTeM Research and Innovation Expo 2016 (Mini UTeMEX 2016)	- <b>Silver Award</b> for product "Diesel engine oil mixed with hexagonal boron nitride (hBN)"
UTeM Research and Innovation Expo 2015 (UTeMEX 2015)	- <b>Gold Award</b> "Agro-waste for sustainable self-lubricating materials" - <b>Special Jury Award</b> "Agro-waste for sustainable self-lubricating materials" - <b>Silver Award</b> for product "µPCM-MWCNT composites as an effective thermal energy storage"
Mini UTeM Research and Innovation Expo 2014 (Mini UTeMEX 2014)	- <b>Silver Award</b> for product "B-Lube"
BiInnovation Awards 2014	- <b>Bronze Award</b> for product "New Enhanced Engine Oil with hBN Nnparticles Additive"
Malaysia Technology Expo 2014 (MTE2014)	- <b>Bronze Award</b> for product "Emerging Lubrication Technology for Ball Bearings"

Perodua Eco-Challenge 2013 (Secretary/Advisor/Participant)	<ul style="list-style-type: none"> <li>- <b>Overall 1<sup>st</sup> Runner-Up</b></li> <li>- <b>Champion for Engineering Challenge</b></li> <li>- <b>1<sup>st</sup> Runner-Up for Longest Distance Challenge</b></li> <li>- <b>2<sup>nd</sup> Runner-Up for Time Attack Challenge</b></li> <li>- <b>2<sup>nd</sup> Runner-Up for Marketing Challenge</b></li> </ul>
UTeM Research and Innovation Expo 2013 (UTeMEX 2013)	<ul style="list-style-type: none"> <li>- <b>Gold Award</b> “Nano-Oil as Effective Lubricants for Improving a Small Diesel Engine Performance”</li> <li>- <b>Silver Award</b> for product “Emerging Lubrication Technology of Bearing Materials”</li> </ul>
International Conference and Exposition on Invention of Institutions of Higher Learning 2013 (PECIPTA 2013)	<ul style="list-style-type: none"> <li>- <b>Silver Award</b> for product “Nano-oil for a Greener Future”</li> </ul>
BioMalaysia & Bioeconomy Asia Pacific 2013 Conference & Exhibition	<ul style="list-style-type: none"> <li>- <b>Silver Award</b> for product “Nano-oil for a Greener Future”</li> </ul>
Proton Green Mobility Challenge 2012 (Head of Thermal Management/Participant):	<ul style="list-style-type: none"> <li>- <b>Overall 2<sup>nd</sup> Runner-Up</b></li> <li>- <b>Winner for V-Max</b></li> <li>- <b>Winner for Best R&amp;D</b></li> <li>- <b>Winner for Best Sponsorship &amp; Marketing/website</b></li> </ul>
Perodua Eco-Challenge 2012 (Secretary/Advisor/Participant)	<ul style="list-style-type: none"> <li>- <b>Overall number 7</b></li> </ul>

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

- CRLY00013497 (Copyright) – Graphene film grown from solid waste products (granted)  
CRLY00004439 (Copyright) – Agro-waste for sustainable self-lubricating materials (granted)  
CRLY00001905 (Copyright) – Emerging Lubrication Technology for Ball Bearings (granted)  
CRLY00001906 (Copyright) – Nano-oil for a Greener Future (granted)  
2016004243 (Trademark) – CARE (granted)

**VIII. SENARAI UTAMA PENERBITAN**  
**List of Major Publication**

**Journal Articles: Scopus H-index = 11; WoS H-index = 11**

- [1] Norani, M.N.M., Abdullah, M.I.H.C., **Abdollah, M.F.B.**, Amiruddin, H., Ramli, F.R., & Tamaldin, N. (2021). Mechanical and tribological properties of FFF 3D-printed polymers: A brief review. *Jurnal Tribologi*. 29, 11-30. [[Link](#)] (Scopus).
- [2] **Abdollah, M.F.B.**, Amiruddin, H., & Nordin, M.J. (2021). Effect of fibre length and composition on the tribological attributes of oil palm fibre polymeric composite: Organic brake friction material. *Industrial Lubrication and Tribology*, 73(4), 614-620. DOI: <https://doi.org/10.1108/ILT-01-2021-0019> (SCIE-WoS).
- [3] **Abdollah, M.F.B.**, Amiruddin, H., Azmi, M.A., & Mat Tahir, N.A. (2021). Lubrication mechanisms of hexagonal boron nitride nano-additives water-based lubricant for steel-steel contact. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, 235(5), 1038-1046. DOI: <https://doi.org/10.1177/1350650120940173> (SCIE-WoS).
- [4] Rosli, N.A., Alkahari, M.R., **Abdollah, M.F.B.**, Maidin, S., & Ramli, F.R. (2021). Review on effect of heat input for wire arc additive manufacturing process. *Journal of Materials Research and Technology*. 11, 2127-2145. DOI: <https://doi.org/10.1016/j.jmrt.2021.02.002> (SCIE-WoS).
- [5] Ul Haqa, M.I., Rainaa, A., Mohana, S., Ananda, A., & **Abdollah, M.F.B.** (2021). Potential of AA7075 as a tribological material for industrial applications - A review. *Indian Journal of Pure & Applied Physics*, 59, 197-201. [[Link](#)] (Scopus).
- [6] Norani, M.N.M., **Abdollah, M.F.B.**, Abdullah, M.I.H.C., Amiruddin, H., Ramli, F.R., & Tamaldin, N. (2021). 3D printing parameters of ABS polymer for friction and wear analysis using response surface methodology. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*. 235(2), 468-477. DOI: <https://doi.org/10.1177/1350650120925601> (SCIE-WoS).
- [7] Norani, M.N.M., Abdullah, M.I.H.C., **Abdollah, M.F.B.**, Amiruddin, H., Ramli, F.R., & Tamaldin, N. (2020). Tribological analysis of 3D-printed internal triangular flip ABS pin during running-in stage. *Jurnal Tribologi*. 27, 42-56. [[Link](#)] (Scopus).
- [8] Norani, M.N.M., **Abdollah, M.F.B.**, Abdullah, M.I.H.C., Amiruddin, H., Ramli, F.R., & Tamaldin, N. (2020). Correlation of tribo-mechanical properties of internal geometry structures of fused filament fabrication 3D-printed acrylonitrile butadiene styrene. *Industrial Lubrication and Tribology*. 76(10), 1259-1265. DOI:



<https://doi.org/10.1108/ILT-04-2020-0143> (SCIE-WoS).

- [9] Amiruddin, H., **Abdollah, M.F.B.**, & Mohamad Nizar, M.A.D. (2020). Measurement of roller chain wear lubricated with palm oil-based hexagonal boron nitride nanoparticles. *Industrial Lubrication and Tribology*, 76(10), 1199-1204. DOI: <https://doi.org/10.1108/ILT-02-2020-0061> (SCIE-WoS).
- [10] Sudrajat, A., Tamaldin, N., Mat Yamin, A.K., Abdollah, M.F.B., Zakaria, M.H., & Nyirenda, G. (2020). Performance analysis of biodiesel engine by addition of HHO gas as a secondary fuel. *Jurnal Tribologi*, 26, 120-134. [\[Link\]](#) (Scopus).
- [11] Mat Tahir, N.A., **Abdollah, M.F.B.**, Tamaldin, N., Amiruddin, H., Mohamad Zin, M.R.B., & Kamis, S. (2020). Tribological performance of the graphene synthesized from fruit cover plastic waste and oil palm fiber using a CVD method. *Industrial Lubrication and Tribology*, 76(2), 771-777. DOI: <https://doi.org/10.1108/ILT-11-2019-0486> (SCIE-WoS).
- [12] Rosli, N.A., Alkahari, M.R., Ramli, F.R., & **Abdollah, M.F.** (2020). Influence of process parameter on the height deviation of weld bead in wire arc additive manufacturing. *International Journal of Mechanical and Production Engineering Research and Development*, 10(3), 1165-1176. DOI: <https://doi.org/10.24247/ijmpedjun2020101> (Scopus).
- [13] **Abdollah, M.F.B.**, Norani, M.N.M, Abdullah, M.I.H.C., Amiruddin, H., Ramli, F.R., & Tamaldin, N. (2020). Synergistic effect of loads and speeds on the dry sliding behaviour of fused filament fabrication 3D-printed acrylonitrile butadiene styrene pins with different internal geometries. *International Journal of Advanced Manufacturing Technology*, 108(7-8), 2525-2539. DOI: <https://doi.org/10.1007/s00170-020-05573-7> (SCIE-WoS).
- [14] Mat Tahir, N.A., **Abdollah, M.F.B.**, Tamaldin, N., Mohamad Zin, M.R.B., & Amiruddin, H. (2020). Effect of hydrogen on graphene growth from solid waste products by chemical vapour deposition: Friction coefficient properties. *Industrial Lubrication and Tribology*, 72(2), 181-188. DOI: <https://doi.org/10.1108/ILT-05-2018-0197> (SCIE-WoS).
- [15] **Abdollah, M.F.B.**, Amiruddin, H., & Jamallulil, A.D. (2020). Experimental analysis of tribological performance of palm oil blended with hexagonal boron nitride nanoparticles as an environment-friendly lubricant. *International Journal of Advanced Manufacturing Technology*, 106(9-10), 4183-4191. DOI: <https://doi.org/10.1007/s00170-019-04906-5> (SCIE-WoS).
- [16] Mat Tahir, N.A., **Abdollah, M.F.B.**, Tamaldin, N., Mohamad Zin, M.R.B., & Amiruddin, H. (2020). Optimization of graphene grown from solid waste using CVD method. *International Journal of Advanced Manufacturing Technology*, 106(1-2), 211-218. DOI: <https://doi.org/10.1007/s00170-019-04585-2> (SCIE-WoS).
- [17] Yusuf, Y., Ghazali, M.J., Otsuka, Y., Ohnuma, K., Morakul, S., Nakamura, S., & Abdollah, M.F. (2020). Antibacterial properties of laser surface-textured TiO<sub>2</sub>/ZnO ceramic coatings. *Ceramics International*, 46(3), 3949-3959. DOI: <https://doi.org/10.1016/j.ceramint.2019.10.124> (SCIE-WoS).
- [18] Yusuf, Y., Ghazali, M.J., Otsuka, Y., Morakul, S., Nakamura, S., Ohnuma, K., & **Abdollah, M.F.B.** (2019). Wettability characteristics of laser surface textured plasma sprayed TiO<sub>2</sub>/ZnO coatings. *Tribology Online*, 14(5), 279-284. DOI: <https://doi.org/10.2474/trol.14.279> (Scopus).
- [19] Amiruddin, H., **Abdollah, M.F.B.**, & Ibrahim, M. (2019). Friction reduction of palm kernel activated carbon polymer composite by lubricant impregnation. *Tribology Online*, 14(5), 411-416. DOI: <https://doi.org/10.2474/trol.14.411> (Scopus).
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- [21] Mat Tahir, N.A., **Abdollah, M.F.B.**, Tamaldin, N., Amiruddin, H., Mohamad Zin, M.R.B., Tokoroyama, T., & Umehara, N. (2019). The tribological potential of graphene growth from solid waste. *Progress in Industrial Ecology*, 13(4), 401-413. DOI: <http://dx.doi.org/10.1504/PIE.2019.102864> (Scopus).
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- [98] M.N. Sudin, A.T. Din, **M.F. Abdollah** and S.A. Shamsudin, *Conceptual design of automotive bumper beam*, Proceedings of Conference on Design, Simulation, Product Development and Optimization (2007), Batu Ferringhi, Penang, Malaysia, 10-11 December 2007.

**IX. Keahlian Dalam Pertubuhan/Badan Profesional**  
**Membership in The Association/Professional Body**

- (a) Member, Society of Automotive Engineers of Japan, Inc. (Membership ID = 2001502): 2020 ~ to date  
 (b) Member CEng, Institution of Mechanical Engineers, UK (Membership ID = 80347013): 2019 ~ to date  
 (c) Member, Society of Engineering Education Malaysia, MALAYSIA (Membership ID = P0267): 2015 ~ to date  
 (d) Member, Malaysian Tribology Society, MALAYSIA (Membership ID = L0213): 2011 ~ to date  
 (e) Graduate member, The Institution of Engineers, MALAYSIA (Membership ID = 34309): 2008 ~ to date  
 (f) Graduate member, Board of Engineers Malaysia, MALAYSIA (Membership ID = GE49335A): 2006 ~ to date

**Informasi Tambahan**  
**Other Information**

**Working Experience / Administrative Positions**

Duration	Position
15/04/2021 – present	Deputy Dean (Academic), Faculty of Mechanical Engineering, UTeM.
01/01/2020 – present (2 <sup>nd</sup> term)	Vice President, Malaysian Tribology Society (MYTRIBOS).

2020 – present	Vice President, International Tribology Council (ITC).
16/09/2018 – present	Deputy President, Asian Tribology Council (ATC).
27/01/2016 – present	Associate Professor, UTeM.
01/08/2018 – 31/07/2020 (2 <sup>nd</sup> term)	Deputy Dean (Research and Postgraduate Studies), Faculty of Mechanical Engineering, UTeM.
2016 – 2018; 2018 – 2020	Head of Green Tribology and Engine Performance (G-TriboE) Research Group, UTeM.
17/11/2017 – 31/12/2019	Vice President, Malaysian Tribology Society (MYTRIBOS).
01/08/2016 – 31/07/2018	Deputy Dean (Research and Postgraduate Studies), Faculty of Mechanical Engineering, UTeM.
01/08/2016 – 31/07/2018	Executive Committee, Society of Engineering Education Malaysia (SEEM).
17/11/2015 – 16/11/2017	Secretary, Malaysian Tribology Society (MYTRIBOS).
01/02/2016 – 31/07/2016	Coordinator, Centre for Advanced Research on Energy, UTeM.
19/08/2014 – 04/04/2016	Executive Committee, Society of Engineering Education Malaysia (SEEM).
01/11/2013 – 31/10/2015	Manager, Centre for Advanced Research on Energy, UTeM.
18/11/2013 – 17/11/2015	Vice Secretary, Malaysian Tribology Society (MYTRIBOS).
1/4/2012 – 31/10/2013	Head of Department (Diploma Studies), Faculty of Mechanical Engineering, UTeM.
6/2012 – 26/01/2016	Senior Lecturer, UTeM
1/9/2005 – 6/2012	Lecturer, UTeM
2005 – 2005	Package Development Engineer, Vishay (M) Semiconductor
2004 – 2005	Tutor, UKM

#### **Graduated Postgraduate Student**

- 2021: Muhammad Aizat Bin Alias, MSc. – Supervisor
- 2020: Noor Ayuma Binti Mat Tahir, Ph.D – Supervisor
- 2020: Dayang Nor Fatin Binti Mahmud, MSc. (Research) – Supervisor
- 2020: Lee Shing Chuan, MSc. (Research) – Co-Supervisor
- 2019: Norjannatul Ainah Binti Norashid, MEng. (Taught Course) – Supervisor
- 2019: Maziah Binit Ibrahim, MEng. (Taught Course) – Supervisor
- 2019: Zailinda Binti Abdullah, MSc. (Research) – Co-supervisor
- 2019: Noor Shakinah Binti Rudzlan Apandi, MSc. (Research) – Co-supervisor
- 2019: Martini Binti Mohmad, MSc. (Research) – Supervisor
- 2017: Ashafi'e Bin Mustafa, MSc. (Research) – Supervisor
- 2017: Adli Zil Ikram Bin Abdullah, MSc. (Research) – Supervisor
- 2017: Nur Saidatul Fatimah Binti Abdul Rashid, MEng. (Taught Course) – Supervisor
- 2017: Fairuz Fazillah Binti Shuhimi, MSc. (Research) – Supervisor
- 2016: Ahmed Qays Khudhair. MEng. (Mixed mode) – Supervisor
- 2016: Noor Ayuma Binti Mat Tahir, MSc. (Research) – Supervisor
- 2016: Muhammad Ilman Hakimi Chua Bin Abdullah, Ph.D – Supervisor
- 2015: Khairul Amzar Bin Mohd Kassim, MEng. (Taught Course) – Supervisor
- 2015: Mohd Muhyiddin Bin Mustafa, MEng. (Taught Course) – Co-supervisor
- 2014: Mohd Hafidz Bin Zakaria, MSc. (Research) - Co-supervisor

#### **Current Student Supervision**

<b>Student</b>	<b>Role (quantity)</b>	<b>Total</b>
Ph.D	Supervisor (1); Co-supervisor (4)	5
MSc. (Research)	Supervisor (2); Co-supervisor (1)	3
B.Eng.	Supervisor (2)	2

### Lectures (Postgraduate course)

1. Research Project (Coordinator)
2. Master Project (Coordinator)
3. Vehicle Powertrain System (Coordinator)
4. 3D Printing / Time Compression Technique
5. Project Management
6. Failure Mechanics

### Lectures (Undergraduate course)

1. Engineering Design
2. Manufacturing Process
3. Integrated Design Project
4. Tribology
5. Automotive Technology
6. Vehicle Structure Analysis
7. CES Edupack Software
8. Mechanic of Machines
9. Automotive Component Design
10. Materials Science
11. Experimental Methods
12. Engineering Graphics (AutoCAD, BrisCAD)
13. Automotive Laboratory

### Expertise Contributions

<b>Expertise Contribution</b>	<b>Information Details</b>
Judging Panel (National level)	<ol style="list-style-type: none"><li>1. <b>Panel Penilai</b> JK Penilaian Dana Penyelidikan Kementerian Pengajian Tinggi (2021 – 2022).</li><li>2. <b>Panel Penilai</b> Permohonan Konsortium Kecemerlangan Penyelidikan (KKP) Kementerian Pengajian Tinggi (2020)</li></ol>
Thesis Examiner	<ol style="list-style-type: none"><li>3. <b>PhD. UTM</b> – Nurul Aini Binti Mohd Ahyan</li><li>4. <b>MSc. UM</b> – Tengku Muhammad Ibrahim Salahuddin Bin Tengku Ahmad</li><li>5. <b>MSc. UTM</b> – Syazwani Binti Mohamad</li><li>6. <b>MSc. UM</b> – Muhammad Harith Bin Hasnul</li><li>7. <b>MSc. UM</b> – Tan Mean Yee</li><li>8. <b>MSc. UTM</b> – Muhammad Arif Bin Dandan</li><li>9. <b>MSc. UniMAP</b> – Nurul Atikah Binti Datu Derin</li><li>10. <b>MSc. UTM</b> – Wan Mohamad Aiman Bin Wan Yahya</li><li>11. <b>MSc. UM</b> – Leang So Khuong</li><li>12. <b>MSc. UKM</b> – Salmi Binti Mohd Yunus @Abd Wahid</li><li>13. <b>MSc. UiTM</b> – Nor Syahirah Binti Mohamad</li><li>14. <b>MSc. UM</b> – Ali Shahir Shawkat</li><li>15. <b>MSc. UTeM</b> – Syaza Najwa Binti Mohd Farhan Han</li><li>16. <b>MSc. UTeM</b> – Nur Ameelia Binti Rosli</li><li>17. <b>MSc. UTeM</b> – Abdul Hakim Bin Abdul Hamid</li><li>18. <b>MSc. UTeM</b> – Anisah Binti Abd Latiff</li><li>19. <b>MSc. UTeM</b> – Hikmah Binti Zainuddin</li><li>20. <b>MSc. UTeM</b> – Nurul Hidayah Binti Omar</li><li>21. <b>MSc. UTeM</b> – Mohammad Nazry Bin Rosley</li><li>22. <b>MSc. UTeM</b> – Nur Shakinah Binti Mohd Isa</li><li>23. <b>MSc. UTeM</b> – Mohd Syakir Bin Ahmad</li><li>24. <b>MSc. UTeM</b> – Abdurahman Dwijotomo</li></ol>
Viva Chair	<ol style="list-style-type: none"><li>1. <b>MSc. UTeM</b> – Mohd Hafizi Bin Abdul Rahman</li><li>2. <b>MSc. UTeM</b> – Muhammad Winal Zikril Bin Zulkifli</li><li>3. <b>MSc. UTeM</b> – Nurain Binti Abdul Munajat</li><li>4. <b>MSc. UTeM</b> – Nor Ana Binti Rosli</li></ol>

	<ol style="list-style-type: none"> <li>5. <b>MSc. UTeM</b> – Muhammad Yusri Bin Md Yusuf</li> <li>6. <b>MEng. UTeM</b> – Amer Adil Abdullah Kareem</li> <li>7. <b>MSc. UTeM</b> – Fadzlin Binti Abd Khair</li> <li>8. <b>MSc. UTeM</b> – Or Khai Hee</li> <li>9. <b>MSc. UTeM</b> – Loh Xiao Hui</li> </ol>
Speaker	<ol style="list-style-type: none"> <li>1. <b>Invited speaker – International Collaborative Research Colloquium on Mechanical Engineering and Technologies</b>, Indonesia (online), 29 September 2021.</li> <li>2. <b>Guest speaker – 2021 MYTRIBOS International Webinar (Series 1)</b>, 25 February 2021.</li> <li>3. <b>Keynote speaker – TRIBOINDIA2020</b>, India (online), 10-12 December 2020.</li> <li>4. <b>Speaker - Guide for Writing Effective Scientific Papers</b>, UTeM, 27 December 2018.</li> <li>5. <b>Invited speaker – 2018 International Conference on Engineering Tribology and Applied Technology</b>, Taipei, 16-18 November 2018.</li> <li>6. <b>Speaker – Grooming a Journal Guest Editor</b>, UiTM, 29 October 2018.</li> <li>7. <b>Speaker – How to Cite UTeM Journal</b>, UTeM, 09 March 2018.</li> <li>8. <b>Speaker - Publish and Flourish: Guide for Effective High Impact Writing</b>, UTeM, 27 December 2017.</li> <li>9. <b>Keynote speaker – SAKURA Symposium 2017</b>, Nagoya, 12 September 2017.</li> <li>10. <b>Invited speaker – 2<sup>nd</sup> MYTRIBOS Symposium</b>, UTM, 8 October 2017.</li> <li>11. <b>Speaker – High Impact Journal Writing</b>, UTeM, 13 October 2016.</li> <li>12. <b>Speaker – How to Publish in High-Impact Journal</b>, UTeM, 14 May 2016.</li> <li>13. <b>Invited speaker - JAST Tribology Conference Spring 2014</b>, Tokyo, 19-21 May 2014.</li> <li>14. <b>Speaker/Demonstrator - Short course “Materials selection for engineering eco-design using CES”</b>, UTeM, 12 February 2014.</li> </ol>
Editor	<ol style="list-style-type: none"> <li>1. <b>Editor-in-Chief (2017-2019; 2019-2022) - Jurnal Tribologi</b> (ISI; ISSN: 2289-7232). <a href="#">[Link]</a></li> <li>2. <b>Editor (2020-2022) - Tribology and Lubricants</b> (ISSN: 2713-8011). <a href="#">[Link]</a></li> <li>3. <b>Editor-in-Chief – Proceedings of Mechanical Engineering Research Day 2020</b> (ISBN: 9789672454366), December 2020. <a href="#">[Link]</a></li> <li>4. <b>Editor-in-Chief – Proceedings of Mechanical Engineering Research Day 2019</b> (ISBN: 9789672145653), July 2019. <a href="#">[Link]</a></li> <li>5. <b>Editor-in-Chief – Proceedings of Asia International Conference on Tribology 2018</b> (ISBN: 9789671362525), September 2018. <a href="#">[Link]</a></li> <li>6. <b>Editor-in-Chief – Proceedings of Mechanical Engineering Research Day 2018</b> (ISBN: 9789672145202), May 2018. <a href="#">[Link]</a></li> <li>7. <b>Editor-in-Chief – Proceedings of SAKURA Symposium on Mechanical Science and Engineering 2017</b> (CPCI-WOS; ISBN: 9789672145073), November 2017. <a href="#">[Link]</a></li> <li>8. <b>Editor-in-Chief – Proceedings of Mechanical Engineering Research Day 2017</b> (CPCI-WOS; ISBN: 9789670257884), March 2017. <a href="#">[Link]</a></li> <li>9. <b>Editor – Proceedings of Proceedings of International Conference on Advanced Processes and Systems in Manufacturing (APSIM 2016)</b> (CPCI-WOS; ISBN: 9789671362518), October 2016. <a href="#">[Link]</a></li> <li>10. <b>Editor-in-Chief – Proceedings of Mechanical Engineering Research Day 2016</b> (CPCI-WOS; ISBN: 9789670257709), March 2016. <a href="#">[Link]</a></li> <li>11. <b>Editor-in-Chief – Proceedings of Malaysian International Tribology Conference 2015</b> (CPCI-WOS; ISBN: 9789671362501), November 2015. <a href="#">[Link]</a></li> <li>12. <b>Associate Editor-in-Chief (2014-2017) - Jurnal Tribologi</b> (ISI; ISSN: 2289-7232). <a href="#">[Link]</a></li> <li>13. <b>Editor – Proceedings of Mechanical Engineering Research Day 2015</b> (CPCI-WOS; ISBN: 9789670257518), March 2015. <a href="#">[Link]</a></li> <li>14. <b>Editor – Directory of Open Access Journals</b> (DOAJ).</li> <li>15. <b>Editor – Proceedings of MUCET2014</b> (ISBN: 9789670257532), March 2015. <a href="#">[Link]</a></li> <li>16. <b>Editor – Buku Panduan Galas Datar (Handbook of Plain Bearings)</b> (ISBN:</li> </ol>

9789831007884), January 2015.

17. **Editor - CARE: Introduction to Researchers Profiles** (ISBN: 9789670257440), October 2014. [\[Link\]](#)
18. **Guest Editor – Industrial Lubrication and Tribology** (ISI Q4; ISSN: 0036-8792): Special Issue on Automotive Tribology – Vol. 72, No. 4, 2020. [\[Link\]](#)
19. **Guest Editor – International Journal of Materials and Product Technology** (ISI Q4; ISSN: 0268-1900): Special Issue on Synergistic Approach in IR4.0 for Product Technology Development – Vol. 59, No. 1, 2019. [\[Link\]](#)
20. **Guest Editor – Progress in Industrial Ecology** (Scopus; ISSN: 1476-8917): Special Issue on Innovation in Non-Smooth Interactions Systems for Sustainable Development - Vol. 12, No. 3, 2018. [\[Link\]](#)
21. **Guest Editor – World Review of Science, Technology and Sustainable Development** (Scopus; ISSN: 1741-2242): Special Issue on Energy Aspects of Tribology for Sustainable Development - Vol. 14, No. 2/3, 2018. [\[Link\]](#)
22. **Guest Editor – Industrial Lubrication and Tribology** (ISI Q4; ISSN: 0036-8792): Special Issue on 50<sup>th</sup> Years of Tribology - Sustainable Manufacturing - Vol. 69, No. 3, 2017. [\[Link\]](#)
23. **Guest Editor - International Journal of Materials and Product Technology** (ISI Q4; ISSN: 0268-1900): Special Issue on Materials Design and Development in Tribology – Vol. 53, No. 3/4, 2016. [\[Link\]](#)
24. **Chief Guest Editor – Journal of Materials Research** (ISI Q3; ISSN: 0884-2914): Special Issue on Recent Advances and Challenges in Carbon-Based Tribomaterials – Vol. 31, No. 13, 2016. [\[Link\]](#)
25. **Guest Editor – Transactions of the IMF** (ISI Q3; ISSN: 0020-2967): Special Issue on Coatings for Tribology – Vol. 94, No. 4, 2016. [\[Link\]](#)
26. **Guest Editor – Tribology - Materials, Surfaces & Interfaces** (Scopus; ISSN: 1751-5831): Special Issue in MITC2015: Tribology for Sustainable Development – Vol. 10, No. 2, 2016. [\[Link\]](#)
27. **Guest Editor – Composite Interfaces** (ISI Q3; ISSN: 0927-6440): Special Issue of MITC2015 – Vol. 23, No. 6, 2016. [\[Link\]](#)
28. **Chief Guest Editor - Jurnal Teknologi (Sciences & Engineering)** (Scopus; ISSN: 1877-7058): Special Issue on Recent Advances and Challenges in Energy Research for Greener Future Part 1 – Vol. 77, No. 21, 2015. [\[Link\]](#)
29. **Guest Editor - Jurnal Teknologi (Sciences & Engineering)** (Scopus; ISSN: 1877-7058): Special Issue on Recent Research in Tribology – Vol. 66, No. 3, 2014. [\[Link\]](#)
30. **Editor - Procedia Engineering** (CPCI-WOS; ISSN: 1877-7058): Special Issue on Malaysian International Tribology Conference 2013 (MITC2013) – Vol. 68, 2013. [\[Link\]](#)

#### **Organized Workshops, Meetings, Seminars and Conferences**

1. Secretariat – The 7<sup>th</sup> International Conference and Exhibition on Sustainable Energy And Advanced Material (ICE-SEAM 2021): 23 November 2021, Melaka, Malaysia.
2. Secretariat – The 3<sup>rd</sup> Malaysian International Tribology Conference (MITC2020ONE): 5 – 6 July 2021, Langkawi, Malaysia.
3. Secretariat – The 7<sup>th</sup> Mechanical Engineering Research Day (MERD'20): 16 December 2020, Melaka, Malaysia.
4. Chairman – Malaysia-Singapore Research Symposium 2019 (MS-2019): 5 November 2019, Singapore.
5. Deputy Chairman – 6<sup>th</sup> International Conference and Exhibition on Sustainable Energy and Advanced Material (ICE-SEAM 2019): 16-17 October 2019, Solo, Indonesia.
6. Chairman – The 6<sup>th</sup> Mechanical Engineering Research Day (MERD'19): 31 July 2019, Melaka, Malaysia.
7. Secretariat – The 6<sup>th</sup> Asian Tribology Conference on Tribology (ASIATRIB2018): 17 – 20 September 2018, Kuching, Sarawak, Malaysia.
8. Co-Chairman – The 5<sup>th</sup> Mechanical Engineering Research Day (MERD'18): 3 May 2018, Melaka, Malaysia.
9. Technical Programme Committee: The 4<sup>th</sup> International Conference on Thin Film Technology and Applications (TFTA 2018): 13-15 January 2018, Sanya, China.
10. Secretariat - UTeM Research and Innovation Expo 2017 (UTeMEX 2017): 7–9 November 2017.
11. Chairman – MYTRIBOS Special International Symposium on Energy Aspects of Tribology for Sustainable

Development: 16-19 October 2017, Melaka, Malaysia.

12. Co-Chairman – 5<sup>th</sup> International Conference and Exhibition on Sustainable Energy and Advanced Material (ICE-SEAM 2017): 16-19 October 2017, Melaka, Malaysia.
13. International Advisory Committee - International Conference on Applications and Design in Mechanical Engineering (ICADME 2017): 21 – 22 August 2017, Penang, Malaysia.
14. Scientific Committee - 2<sup>nd</sup> Asia Congress on Energy, Environment and Ecology Advances and Developments: 25 – 26 April 217, Dubai, UAE.
15. Secretariat – Mechanical Engineering Research Day 2017 (MERD'17): 30 March 2017, Melaka, Malaysia.
16. Chairman – 2<sup>nd</sup> Postgraduate Research Symposium in Mechanical Engineering (PRiSME2017): 5 January 2017, Melaka, Malaysia.
17. Secretariat – Innovative Research and Industrial Dialogue 2016 (IRID'16): 20 December 2016, Melaka, Malaysia.
18. International Advisory Panel – International Conference on Advanced Processes & Systems in Manufacturing 2016 (APSIM2016): 28 – 30 August 2016, Putrajaya, Malaysia.
19. Secretariat – Mechanical Engineering Research Day 2016 (MERD'16): 31 March 2016, Melaka, Malaysia.
20. Scientific Committee - 7<sup>th</sup> International Conference on Tribology in Manufacturing Processes: 28 February - 2 March 2016, Phuket, Thailand.
21. Chairman – Malaysia-Japan International Symposium on Tribology Technology 2016 – Part 2: 5 February 2016, Melaka, Malaysia.
22. Chairman – Postgraduate Research Symposium in Mechanical Engineering 2016 (PRiSME2016): 5 January 2016, Melaka, Malaysia.
23. Chairman - Malaysian International Tribology Conference 2015 (MITC2015): 16 - 17 November 2015, Penang, Malaysia.
24. International Scientific Committee – TURKEYTRIB'15: 7 - 9 October 2015, Istanbul, Turkey.
25. International Advisory Board – International Tribology Conference 2015: 16 - 20 September 2015, Tokyo, Japan.
26. Secretariat - International Conference on Advances in Mechanical Engineering 2015 (ICAME2015): 26 – 27 August 2015, Bali, Indonesia.
27. Program Director – Mechanical Engineering Research Day 2015 (MERD'15): 31 March 2015, Melaka, Malaysia
28. Secretariat - 8<sup>th</sup> Malaysian Technical Universities Conference on Engineering and Technology (MUCET2014): 10 – 11 November 2014, Melaka, Malaysia.
29. Program Director – Workshop on Writing of High Impact Journal: 13 August 2014, Melaka, Malaysia.
30. Secretariat - Malaysian International Tribology Conference 2013 (MITC2013): 18 - 20 November 2013, Sabah, Malaysia.
31. Secretariat - 3<sup>rd</sup> International Conference and Exhibition on Sustainable Energy and Advanced Material (ICE-SEAM 2013): 30 - 31 October 2013, Melaka, Malaysia.

#### **Public services**

1. Participant – CSR and Bear Hill Hiking Program – 7 December 2019
2. Committee – Program Khidmat Masyarakat Latihan Solidworks 2012 - MRSM Tun Ghafar Baba