



CURRICULUM VITAE

Prof. Ir. Ts. Dr. Mohamed Thariq Bin Haji Hameed Sultan



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SCOPUS ID: 36802758400

Education

1. Doctor of Philosophy (Mechanical Engineering), University of Sheffield, U.K. – 2011
2. MSc in Aerospace Engineering, Universiti Putra Malaysia – 2007
3. B Eng. (Hons) Mechanical Engineering, Universiti Tun Hussein Onn Malaysia – 2004
4. Diploma in Mechanical Engineering, Universiti Teknologi Malaysia – 2001
5. Certificate in Architectural Drafting, Industrial Training Institute, Kuala Lumpur – 1996

Areas of Interest

1. Structural Health Monitoring (SHM)
2. Damage Detections and Repairs
3. Impact Studies
4. Composite and Bio composite Materials
5. Signal Processing and Instrumentations
6. Non-Destructive Testing and Destructive Testing

Professional Qualification/ Membership/ Affiliation

1.	Graduate Engineer	Board of Engineers Malaysia (BEM)	2005
2.	Member	The British Society of Strain Measurement (BSSM)	2010
3.	Member	American Institute of Aeronautics and Astronautics (AIAA)	2011
4.	Member	Society of Experimental Mechanics (SEM)	2011
5.	Member	American Society of Mechanical Engineers (ASME) (Membership Number: 100116692)	March 2011
6.	Member	AKEPT Young Researchers Circle (AYRC)	2011
7.	Member	Associate of ASEAN Engineers (AAE)	2012
8.	Member	Malaysian Society of Structural Health Monitoring (MSSHM)	2013
9.	Member	Malaysian Society for Non Destructive Testing (MSNDT)	2014
10.	Member	Institute of Engineers Malaysia (IEM) (Membership Number: 25175)	2015



11.	Ir. (Professional Engineer)	Board of Engineers Malaysia (BEM) PEng (Registration Number: 16954) – Mechanical Division PEng with Practicing Certificate (Registration Number: C116954) – Mechanical Division	2015
12.	Chartered Engineer (CEng)	Institute of Mechanical Engineers (IMechE) (Registration Number: 632790)	2016
13.	Member	The Institution of Mechanical Engineers (IMechE), United Kingdom (Membership Number: 80088582)	May 2016
14.	Member	Institute of Science and Technology (IScT) (Membership Number: 15647)	2016
15.	Member	Malaysian Society For Engineering & Technology (MySET) (Membership Number: 1535)	2016
16.	Member	Malaysian Board of Technologist (MBOT) Professional Technologist, PTech (PT17120026)	2018

Administrative Work Listing (Inside and Outside UPM)

	Position		Duration
1.	Draughtsman, Mechanical and Electrical SSM Associates – Outside UPM		1996-1997
2.	Part Time Tutor Program Pengajian Diploma (UTM) - Outside UPM		1999-2004
3.	Site Engineer, Mechanical and Electrical SSM Associates - Outside UPM		2004-2005
4.	Assistant Lecturer Department of Aerospace Engineering, UPM - Inside UPM		2005-2011
5.	Deputy Director/Special Administrative Officer Industrial Relation Division, Ministry of Higher Education (MOHE) Malaysia - Outside UPM		20 Sept 2011- 20 Sept 2013
6.	Senior Lecturer Department of Aerospace Engineering, UPM - Inside UPM		2013 - 2016
7.	Deputy President Malaysian Society of Structural Health Monitoring (MSSHM) - Outside UPM		2013 - 2016
8.	Guest Lecture/Trainer Department of Mechanical and Manufacturing, University Malaysia Pahang (UMP) - Outside UPM		2013
9.	Guest Lecture/Trainer ADMAL Aviation College, Nilai - Outside UPM		29 July 2013 – 2 Aug 2013
10.	Director / Head Aerospace Manufacturing Research Centre (AMRC), UPM - Inside UPM		1 Oct 2013 – 30 Sept 2015
11.	Non-Executive Independent Scientific Advisor Aerospace Malaysia Innovation Centre (AMIC) - Outside UPM		2014 to date



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| 12. | Main Researcher
Aerospace Manufacturing Research Centre (AMRC), UPM - Inside UPM | 1 July 2014 –
1 July 2017 |
| 13. | Research Associates
Institute of Tropical Forestry and Forest Product (INTROP) - Inside UPM | 2 March 2015 -
2 March 2017 |
| 14. | Co-opted Member
Engineering Education Technical Division (E2TD), The Institution of Engineer Malaysia (IEM) – Outside UPM | 2016 - 2018 |
| 15. | Assoc. Professor
Department of Aerospace Engineering, Universiti Putra Malaysia- Inside UPM | 2016 to date |
| 16. | Secretary
Malaysian Society of Structural Health Monitoring (MSSHM) – Outside UPM | 2016 to date |
| 17. | Engineering Technology Accreditation Council (ETAC) Task Force
Institution of Engineer Malaysia (IEM) – Outside UPM | 2016 to date |
| 18. | Director / Head
Aerospace Manufacturing Research Centre (AMRC), UPM - Inside UPM | 23 May 2016 -
22 May 2018 |
| 19. | Acting Head of Department
Department of Aerospace Engineering, Universiti Putra Malaysia- Inside UPM | 1 Nov 2016 - 22
Jan 2017 |
| 20. | Council Member
Defense and Safety Engineering Sub Cluster – Outside UPM | Jan 2017 to
date |
| 21. | International Advisory Panel
Kalasalingam University, India – Outside UPM | 1 May 2017 to
date |
| 22. | Head, Laboratory of Biocomposite Technology (BIOCOMPOSITE)
Institute of Tropical Forestry and Forest Product (INTROP) - Inside UPM | 15 Aug 2017 -
14 Aug 2020 |
| 23. | PhD Guide
Manipal Academy of Higher Education, India – Outside UPM | 9 Sept 2017 to
date |
| 24. | Chairman of the Engineering Education Technical Division (E2TD)
The Institution of Engineer Malaysia (IEM) – Outside UPM | 2018 to date |
| 25. | Main Reference Officer
Collaboration between UPM-Proton – Outside UPM | 2018 |
| 26. | Felo Kanan Bersekutu
Institut Perubahan Iklim (IPI), Universiti Kebangsaan Malaysia – Outside UPM | 1 Jan 2018 - 31
Dec 2019 |
| 27. | Visiting Professor
Bharath Institute of Higher Education and Research – Outside UPM | 20 July 2018 -
19 July 2019 |
| 28. | Penyelidik Bersekutu
Aerospace Manufacturing Research Centre (AMRC) - Inside UPM | 1 Oct 2018 - 30
Sept 2019 |
| 29. | Main Officer
Collaboration between UPM-Saveetha College – Outside UPM | 2019 |



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|-----|---|--------------------------------|
| 30. | Visiting Professor
Bharath Institute of Higher Education and Research – Outside UPM | 20 July 2019 –
19 July 2020 |
| 31. | Professor
Universiti Putra Malaysia – Inside UPM | Dec 2020 to
date |
| 32. | Director
UPM Press, Universiti Putra Malaysia, 43400 UPM Serdang,
Selangor Darul Ehsan – Inside UPM | 1 Feb 2020 to
date |
| 33. | Ketua Program
Laboratori Teknologi Biokomposit, INTROP, UPM – Inside UPM | 1 Feb 2020 - 1
Feb 2021 |
| 34. | Penilai Luar Kenaikan Pangkat Ahli Akademik
Universiti Malaysia Terengganu – Outside UPM | 18 May 2020 –
31 Dec 2023 |

Teachings

Undergraduate Programme

1. ECC 3011 Engineering Mathematics I 3(3+0)
2. ECC 3002 Engineering Mathematics II 3(3+0)
3. EAS 4401 Finite Element Analysis 3(3+0)
4. ECC 3001 Engineering Mathematics I 3(3+0)
5. EAS 3102 Numerical Methods 2(2+0)
6. ECC 3003 Engineering Mathematics III 3(3+0)
7. EAS 3113 Management of Aerospace Industry 3(3+0)
8. EAS 3100 Management of Aerospace and Agriculture Industry 3(3+0)

Postgraduate Programme

1. EAB 5100 Research Methodology 3(3+0)
2. EAS 5701 Global Design 3(3+0)
3. KBP 5900 Research Methodology 3(3+0)
4. EAS 5001 Advanced Engineering Mathematics 3(3+0)
5. EAS 5104 Finite Element Analysis 3(3+0)
6. EAS 5955 Special Topic 3(3+0)

Publications

Journals (recent journals)

2009

Cited Journals (2009)

1. **M.T.H. Sultan**, K. Worden, W.J. Staszewski, S.G. Pierce, J.M. Duliue-Barton, A. Hodzic. *Impact damage detection and quantification in CFRP laminates: A precursor to machine learning*. (2009) Structural Health Monitoring 2009: From System Integration to Autonomous Systems - Proceedings of the 7th International Workshop on Structural Health Monitoring, IWSHM 2009, 2, pp. 1528-1537. (SCOPUS)

2010

Cited Journals (2010)

2. K.S.M. Ho, S.G. Pierce, M.H. Li, G. Hayward, **M.T.H. Sultan**. *Improved C-scan imaging using a Bayesian approach*. (2010) Proceedings - IEEE Ultrasonics Symposium, art. no. 5935517, pp. 1813-1816. (SCOPUS)
3. N. Yidris, R. Zahari, D.L. Majid, F. Mustapha, **M.T.H. Sultan**, A.S.M. Rafie. *Crush simulation of woven c-glass/epoxy unmanned ariel vehicle fuselage section*. (2010) International Journal of Mechanical and Materials Engineering, 5 (2), pp. 260-267. (SCOPUS)

4. **M.T.H. Sultan**, A. Hodzic, W.J. Staszewski, K. Worden. *A SEM-based study of structural impact damage*. (2010) *Applied Mechanics and Materials*, 24-25, pp. 233-238. (SCOPUS)

2011

Cited Journals (2011)

5. **M.T.H. Sultan**, K. Worden, S.G. Pierce, D. Hickey, W.J. Staszewski, J.M. Dulieu-Barton, J.M., A. Hodzic. *On impact damage detection and quantification for CFRP laminates using structural response data only*. (2011) *Mechanical Systems and Signal Processing*, 25 (8), pp. 3135-3152. (Q1, IF: 5.005)
6. **M.T.H. Sultan**, K. Worden, W.J. Staszewski. *Impact damage characterisation using a statistical approach*. (2011) *Structural Health Monitoring 2011: Condition-Based Maintenance and Intelligent Structures - Proceedings of the 8th International Workshop on Structural Health Monitoring*, 1, pp. 1274-1282. (SCOPUS)
7. **M.T.H. Sultan**, K. Worden, W.J. Staszewski. *Damage identification in CRFP laminates using a statistical method*. (2011) *Conference Proceedings of the Society for Experimental Mechanics Series*, 6, pp. 91-101. (SCOPUS)

Non-Cited Journals (2011)

8. **M.T.H. Sultan**, F. Mustapha, A.S.M. Rafie, D.L. Majid, R. Ajir. *Impact Damage Detection and Quantification for CFRP Laminates Subjected To Low Velocity Impact Damage – A NDT Approach*. (2011) *Journal of Malaysian Society for Non-Destructive Testing (NDT Spectra)*. Issue 5, pp. 15-20.

2012

Cited Journals (2012)

9. M.Z Zainol, F. Mustapha, **M.T.H. Sultan**, N. Yidris. *Implementation of extreme low power micro-controller for a wireless structural health monitoring (SHM) system*. (2012) *Applied Mechanics and Materials*, 225, pp. 344-349. (SCOPUS)
10. N. Yidris, J. Loughlan, **M.T.H. Sultan**, A.S.M. Rafie. *Failure mechanics of uniformly compressed thin-walled box-section struts*. (2012) *Applied Mechanics and Materials*, 225, pp. 172-177. (SCOPUS)
11. X.H. Cheong, A.S. Mohd Rafie, F.I. Romli, **M.T. Hameed Sultan**, N. Yidris. *A study on the effect of upstream square blockage of a rotating cylinder*. (2012) *Applied Mechanics and Materials*, 225, pp. 13-17. (SCOPUS)
12. Majid, D.L., Sani, M.N.A., Mustapha, F., Hanafi, H., **Sultan, M.T.H.** *Modal properties of a cantilevered laminated woven composite plate as affected by stacking sequence and fiber orientation: An experimental study*. (2012) *Applied Mechanics and Materials*, 225, pp. 132-137. (SCOPUS)
13. Majid, D.L., Mustapha, F., **Sultan, M.T.H.**, Abdullah, E.J., Hanafi, H. *Dynamic analysis of a cantilevered woven composite plate like wing*. (2012) *Procedia Engineering*, 50, pp. 453-462. (SCOPUS)
14. Barthorpe, R., Worden, K., **Sultan, M.T.H.**, Eaton, M., Pullin, R., Holford, K. *The effect of attenuation on the identification of impact damage in CFRP laminates*. (2012) *Proceedings of the 6th European Workshop - Structural Health Monitoring 2012, EWSHM 2012*, 1, pp. 698-706. (SCOPUS)
15. Mustapha, F., Mohd Aris, K.D., Wardi, N.A., **Sultan, M.T.H.**, Shahrjerdi, A. *Structural health monitoring (SHM) for composite structure undergoing tensile and thermal testing*. (2012) *Journal of Vibroengineering*, 14 (3), pp. 1342-1353. (SCOPUS)
16. **Sultan, M.T.H.**, Worden, K., Staszewski, W.J., Hodzic, A. *Erratum to " Impact damage characterisation of composite laminates using a statistical approach" [Compos. Sci. Technol. 72 (2012) 1108-1120]*. (2012) *Composites Science and Technology*, 72 (12), pp. 1477. (Q1, IF: 6.309)
17. **Sultan, M.T.H.**, Worden, K., Staszewski, W.J., Hodzic, A. *Impact damage characterisation of composite laminates using a statistical approach*. (2012) *Composites Science and Technology*, 72 (10), pp. 1108-1120. (Q1, IF: 6.309)

18. **Sultan, M.T.H.**, Yidris, N., Mustapha, F., Rafie, A.S.M., Majid, D.L. *Damage identification and classification in CFRP laminates - A SEM based study.* (2012) Applied Mechanics and Materials, 225, pp. 138-143. (SCOPUS)
19. **Sultan, M.T.H.**, Rafie, A.S.M., Yidris, N., Mustapha, F., Majid, D.L. *Damage classification in CFRP laminates using principal component analysis (PCA) approach.* (2012) Applied Mechanics and Materials, 225, pp. 189-194. (SCOPUS)
20. **Sultan, M.T.H.**, Basri, S., Rafie, A.S.M., Mustapha, F., Majid, D.L., Ajir, M.R. *High velocity impact damage analysis for glass epoxy - Laminated plates.* (2012) Advanced Materials Research, 399-401, pp. 2318-2328. (SCOPUS)

Non-Cited Journals (2012)

21. R. Zahari, F. Mustapha, D.L. Majid, A.S.M. Rafie and **M.T.H.Sultan**. *Geometric Non-Linear Analysis of Composite Laminated Plates Using Higher Order Finite Strip Element.* (2012) Applied Mechanics and Materials, 225, pp. 165-171. doi: 10.4028/www.scientific.net/AMM.225.165.

2013

Cited Journals (2013)

22. Annuar, A.N.M., Mohd Rafie, A.S., **Sultan, M.T.H.** *The study of blockages effect at leading edge on rectangular cavity in subsonic flow using particle image velocimetry (PIV).* (2013) Applied Mechanics and Materials, 300-301, pp. 781-784. (SCOPUS)

Non-Cited Journals (2013)

23. **M.T.H.Sultan**, A.S.M.Rafie, N. Yidris, F. Mustapha and R. Zahari. *Damage Classification in CFRP Laminates Using the NDT/E Approach.* (2013) Journal of Malaysian Society for Non-Destructive Testing (NDT Spectra). Issue 7, pp. 217-224.

2014

Cited Journals (2014)

24. Zakikhani, P., Zahari, R., **Sultan, M.T.H.**, Majid, D.L. *Extraction and preparation of bamboo fibre-reinforced composites.* (2014) Materials and Design, 63, pp. 820-828. (SCOPUS, IF:4.525)
25. Zakikhani, P., Zahari, R., **Sultan, M.T.H.** *Simulation of low velocity impact on composite hemispherical shell.* (2014) Applied Mechanics and Materials, 564, pp. 406-411. (SCOPUS)
26. Muda, M.K.H., Mustapha, F., Mohd Aris, K.D., **Sultan, M.T.H.** *Fabrication technique for bio-composite patch repair on laminated structures of CFRP plate.* (2014) Applied Mechanics and Materials, 564, pp. 366-371. (SCOPUS)
27. Yidris, N., **Sultan, M.T.H.**, Harmin, M.Y., Rafie, A.S.M. *Local-overall flexural interaction of pinned-ended thin-walled I-section columns.* (2014) Applied Mechanics and Materials, 564, pp. 444-448. (SCOPUS)
28. Jamal, Q.M., Majid, D.L., Haris, M.Y., Yidris, N., **Sultan, M.T.H.** *Quasi static analysis of a biocomposite aircraft radome.* (2014) Applied Mechanics and Materials, 629, pp. 78-81. (SCOPUS)
29. Razali, N., **Sultan, M.T.H.**, Safri, S.N.A., Basri, S., Yidris, N., Mustapha, F. *High velocity impact test on glass fibre reinforced polymer (GFRP) using a single stage gas gun (SSGG) - An experimental based approach.* (2014) Applied Mechanics and Materials, 564, pp. 376-381. (SCOPUS)
30. Hamdan, A., Mustapha, F., Ahmad, K.A., Rafie, A.S.M., **Sultan, M.T.H.**, Ishak, M.R. *A review on the self-energize structural health monitoring (SHM) in vertical axis wind turbine (VAWT) system.* (2014) Applied Mechanics and Materials, 564, pp. 157-163. (SCOPUS)
31. Safri, S.N.A., **Sultan, M.T.H.**, Razali, N., Basri, S., Yidris, N., Mustapha, F. *The effect of layers and bullet type on impact properties of Glass Fibre Reinforced Polymer (GFRP) using a Single Stage Gas Gun (SSGG).* (2014) Applied Mechanics and Materials, 564, pp. 428-433. (SCOPUS)

32. **Sultan, M.T.H.**, Basri, S., Rafie, A.S.M., Yidris, N., Mustapha, F., Zahari, R., Ajir, M.R. *Impact damage analysis for glass reinforced epoxy laminated plates using single stage gas gun.* (2014) *Applied Mechanics and Materials*, 564, pp. 382-387. (SCOPUS)
33. Razali, N., **Sultan, M.T.H.**, Aminanda, Y. *The study of impact behaviour of two types of glass fibre reinforced polymer (GFRP) subjected to low velocity impact.* (2014) *Advanced Materials Research*, 1044-1045, pp. 153-157. (SCOPUS)
34. Safri, S.N.A., **Sultan, M.T.H.**, Aminanda, Y. *Impact characterisation of Glass Fibre Reinforced Polymer (GFRP) type C-600 and E-800 using a drop weight machine.* (2014) *Applied Mechanics and Materials*, 629, pp. 461-466. (SCOPUS)

Non-Cited Journals (2014)

35. S.N.A. Safri, T.Y.Chan and **M.T.H.Sultan**. *A Novel Method for Detecting And Characterizing Low Velocity Impact (LVI) In Commercial Composite.* (2014) *International Journal of Research in Engineering and Technology*, 3(8), pp. 101-106.
36. N.Razali and **M.T.H.Sultan**. *A Novel Approach for Detecting, Localising And Characterising Damages In Glass Fibre Reinforced Polymer (GFRP) Using The Drop Weight Impact Tester.* (2014) *International Journal of Research in Engineering and Technology*, 3(8), pp. 295-306.
37. L.K.Teek, R.Zahari, F.Mustapha and **M.T.H.Sultan**. *Experimental Assessment of Collapse Behavior and Energy Absorption of Composite and Hybrid Composite Square Tube Subjected to Oblique Loads.* (2014) *The International Journal of Engineering and Science*, 3(3), pp. 13-29.
38. N.Razali, **M.T.H.Sultan**, F.Mustapha, N.Yidris and M.R.Ishak. *Impact Damage on Composite Structures – A Review.* (2014) *The International Journal of Engineering and Science*, 3(7), pp. 8-20.
39. S.N.A.Safri, T.Y.Chan and **M.T.H.Sultan**. *An Experimental Study of Low Velocity Impact (LVI) On Fibre Glass Reinforced Polymer (FGRP).* (2014) *The International Journal of Engineering and Science*, 3(8), pp. 1-10.
40. N.Razali, S.S.Sazali and **M.T.H.Sultan**. *The Study of Impact Damage on C-Type and E-Type of Fibreglass Subjected to Low Velocity Impact.* (2014), *The International Journal of Engineering and Science*, 3(8), pp. 11-25.
41. S.N.A.Safri, **M.T.H.Sultan**, N.Yidris and F.Mustapha. *Low Velocity and High Velocity Impact Test on Composite Materials – A Review.* (2014). *The International Journal of Engineering and Science*, 3(9), pp. 50-60.
42. P. Zakikhani, R. Zahari, **M. T. H. Sultan** and D. L. Majid. *Bamboo Fibre Extraction and Its Reinforced Polymer Composite.* (2014) *International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering*, 8(4), pp. 315-318.

2015

Cited Journals (2015)

43. Salman, S.D., Leman, Z., **Sultan, M.T.H.**, Ishak, M.R., Cardona, F. *Influence of resin system on the energy absorption capability and morphological properties of plain woven kenaf composites.* (2015) *IOP Conference Series: Materials Science and Engineering*, 100 (1), art. no. 012053. (SCOPUS)
44. Sharba, M.J., Leman, Z., **Sultan, M.T.H.**, Ishak, M.R., Hanim, M.A.A. *Monotonic and fatigue properties of kenaf /glass hybrid composites under fully reversed cyclic loading.* (2015) *IOP Conference Series: Materials Science and Engineering*, 100 (1) (SCOPUS)
45. Safri, S.N.A., **Sultan, M.T.H.**, Cardona, F. *Impact damage evaluation of Glass-Fiber Reinforced Polymer (GFRP) using the drop test rig - An experimental based approach.* (2015) *ARPJ Journal of Engineering and Applied Sciences*, 10 (20), pp. 9916-9928. (SCOPUS)
46. Cardona, F., **Sultan, M.T.**, Talib, A.R.A., Ezzah, F., Derahman, A. *Interpenetrating polymer network (IPN) with epoxidized and acrylated bioresins and their composites with glass and jute fibres.* (2015) *BioResources*, 11 (1), pp. 2820-2838. (SCOPUS, IF: 1.334)
47. Salman, S.D., Leman, Z., **Sultan, M.T.H.**, Ishak, M.R., Cardona, F. *Kenaf/synthetic and Kevlar®/cellulosic fiber-reinforced hybrid composites: A review.* (2015) *BioResources*, 10 (4), pp. 8580-8603. (SCOPUS, IF: 1.334)

48. Sharba, M.J., Salman, S.D., Leman, Z., **Sultan, M.T.H.**, Ishak, M.R., Azmah Hanim, M.A. *Effects of processing method, moisture content, and resin system on physical and mechanical properties of woven kenaf plant fiber composites.* (2015) *BioResources*, 11 (1), pp. 1466-1476. (SCOPUS, IF: 1.334)
49. Khajeh, A., Mustapha, F., **Sultan, M.T.H.**, Bánhegyi, G., Karácsony, Z., Baranyai, V. *The Effect of Thermooxidative Aging on the Durability of Glass Fiber-Reinforced Epoxy.* (2015) *Advances in Materials Science and Engineering*, 2015, art. no. 372354. (SCOPUS, IF: 1.372)
50. Salman, S.D., Sharba, M.J., Leman, Z., **Sultan, M.T.H.**, Ishak, M.R., Cardona, F. *Physical, Mechanical, and Morphological Properties of Woven Kenaf/Polymer Composites Produced Using a Vacuum Infusion Technique.* (2015) *International Journal of Polymer Science*, 2015, art. no. 894565. (SCOPUS, IF: 1.718)

Non-Cited Journals (2015)

51. Elias Randjbaran, Rizal Zahari, Dayang Laila Majid, **Mohamed Thariq Hameed Sultan** and Norkhairunnisa Mazlan, *Effects of Carbon Nanotube on Mechanical Properties of Composite plates – A Review Paper*, (2015) *Matrix Academic International Online Journal of Engineering and Technology*, 3(2), pp. 9-16.
52. Razali, N., & **Sultan, M. T. H.** *The Study of Damage Area and Non-Destructive Testing On Glass Fibre Reinforce Polymer after Low Velocity Impact Event.* (2015) *Applied Mechanics & Materials*, 754, pp. 874-880. doi: 10.4028/www.scientific.net/AMM.754-755.874
53. Salman, S. D., Leman, Z., **Sultan, M. T.**, Ishak, M. R., & Cardona, F.. *Mechanical and morphological properties of 45/- 45 woven kenaf reinforced PVB-phenolic resin produced using a hot press technique.* (2015) In *Malaysia Polymer International Conference*, pp. 1-10.

2016

Cited Journals (2016)

54. Shah, A.U.M., **Sultan, M.T.H.**, Jawaid, M., Cardona, F., Talib, A.R.A. *A review on the tensile properties of bamboo fiber reinforced polymer composites.* (2016) *BioResources*, 11 (4), pp. 10654-10676. (SCOPUS, IF: 1.334)
55. Razali, N., **Sultan, M.T.H.**, Cardona, F. *An experimental study of non-destructive testing on glass fibre reinforced polymer composites after high velocity impact event* (2016) *IOP Conference Series: Materials Science and Engineering*, 152 (1), art. no. 012045. (SCOPUS)
56. Mohammed, I., Talib, A.R.A., **Sultan, M.T.H.**, Saadon, S. *Temperature and heat flux measurement techniques for aeroengine fire test: A review.* (2016) *IOP Conference Series: Materials Science and Engineering*, 152 (1), art. no. 012036. (SCOPUS)
57. Arumugaprabu, V., Uthayakumar, M., Cardona, F., **Sultan, M.T.H.** *Mechanical characterization of coir/palmyra waste fiber hybrid composites* (2016) *IOP Conference Series: Materials Science and Engineering*, 152 (1), art. no. 012054. (SCOPUS)
58. Balasubramanian, K., **Sultan, M.T.H.**, Cardona, F., Rajeswari, N. *Machining analysis of natural fibre reinforced composites using fuzzy logic.* (2016) *IOP Conference Series: Materials Science and Engineering*, 152 (1), art. no. 012051. (SCOPUS)
59. Jayakrishna, K., Balasubramani, K., **Sultan, M.T.H.**, Karthikeyan, S. *Investigations of the mechanical properties of bi-layer and trilayer fiber reinforced composites.* (2016) *IOP Conference Series: Materials Science and Engineering*, 152 (1), art. no. 012050. (SCOPUS)
60. Jeyakumar, S., Yuvaraj, K.A., Jayaraman, K., Cardona, F., **Sultan, M.T.H.** *Effect of cavity fore wall modifications in supersonic flow.* (2016) *IOP Conference Series: Materials Science and Engineering*, 152 (1), art. no. 012002. (SCOPUS)
61. Pandian, A., Veerasimman, A.P., Vairavan, M., Francisco, C., **Sultan, M.T.H.** *A study on the crushing behavior of basalt fiber reinforced composite structures.* (2016) *IOP Conference Series: Materials Science and Engineering*, 152 (1), (SCOPUS)
62. Shanmugavel, R., Jayamani, M., Nagarajan, R., Irullappasamy, S., Cardona, F., **Sultan, M.T.H.** *Processing and characterization of redmud reinforced polypropylene composites.* (2016) *IOP Conference Series: Materials Science and Engineering*, 152 (1), art. no. 012053. (SCOPUS)

63. Senthilkumar, K., Siva, I., Jappes, J.T.W., Amico, S.C., Cardona, F., **Sultan, M.T.H.** *Effect of inter-laminar fibre orientation on the tensile properties of sisal fibre reinforced polyester composites.* (2016) IOP Conference Series: Materials Science and Engineering, 152 (1). (SCOPUS)
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75. N.M.Z Abidin, **M.T.H Sultan**, A.U.M Shah and S.N.A Safri. *Charpy and Izod impact properties of natural fibre composites*. 6th International Conference on Applications & Design in Mechanical Engineering (ICADME2019), Penang, Malaysia, 26th-27th August 2019.

Seminar Papers Presented (orally)

1. **M.T.H. Sultan**, A. Hussain, M.Z. Mohd Yusof, A.B. Leman. *Controlling Indoor Air Temperature and Air Movement Using Convection Ventilator*. Proceedings, National Conference on Advances in Mechanical in Mechanical 2004.
2. **M.T.H. Sultan**, S. Basri, R. Zahari, M.R. Ajir, N. Yidris and A.S.M Rafie. *Design and Development of Ballistic Impact Test Facility*. Proceeding of the AEROTECH-II 2007 conference on Aerospace Technology of XXI Century, 20-21st June 2007, Kuala Lumpur.
3. **M.T.H.Sultan**, K.Worden, S.G.Pierce, D.Hickey, W.J.Staszewski, and J.M.Dulieu-Barton. *Impact Damage Detection and Quantification for CFRP Laminates*. Proceeding of the 10th Deformation of Composites (DFC10), 15-17th April 2009, Sheffield, UK.
4. **M.T.H.Sultan**, K. Worden, J.M. Dulieu-Barton, W.J. Staszewski, A. Hodzic, and S.G. Pierce. *Identification of impact damage in CFRP laminates using the NDT approach*. Proceedings of the AEROTECH III, 18-19th November 2009, Kuala Lumpur, Malaysia.

5. **M.T.H.Sultan**, W.J. Staszewski, and K. Worden. *Wavelet Feature Extraction for Impact Damage Analysis for CFRP Laminates*. Proceedings of 10th International Conference on Recent Advances in Structural Dynamics, 12-14th July 2010, Southampton, UK.
6. **M.T.H.Sultan**, K. Worden, A. Hodzic, and W.J. Staszewski. *Identification of Impact Damage in CFRP Laminates Based on a SEM Approach*. Proceedings of the IMEKO TC 11th Workshop on Smart Diagnostics of Structures, 18-20th October 2010, Kraków, Poland.
7. **M.T.H.Sultan**, K. Worden, A. Hodzic, and W.J. Staszewski. *Damage Detection in CFRP Laminates using an Interface-based Model*. Material KTN 4th Annual General Meeting, Societal Challenges-Material Solutions, 22nd April 2010, Church House Conference Centre, Westminster, London, UK.
8. **M.T.H.Sultan**, K. Worden, W.J. Staszewski, and A. Hodzic. *Novel Methods of Impact Damage Analysis in Composites*. Proceeding of the 11th Deformation of Composites (DFC11), 13-15th April 2011, Cambridge, UK.
9. **M.T.H. Sultan**, S. Basri, A.S.M. Rafie, N. Yidris, F. Mustapha, R. Zahari and M.R. Ajir. *Impact Damage Analysis For Glass Reinforced Epoxy Laminated Plates Using Single Stage Gas Gun (SSGG)*. International Conference on Advances in Mechanical and Manufacturing Engineering, 25-28th November 2013, Hotel Istana, Kuala Lumpur.
10. **M.T.H.Sultan** and K. Worden. *Damage Detections and Classifications in CFRP Laminates Using Structural Response Data*. 2nd International Symposium on Applied Engineering and Sciences (SAE2014), 20th to 21st December 2014, KYUSHU Institute of Technology, Japan.
11. **M.T.H. Sultan**, 2nd Wood & Biofibre International Conference (WOBIC2019), 3rd-5th December 2019, Sabah, Malaysia.

Books

1. Mohammad Jawaid, **Mohamed Thariq**, Naheed Saba, *Structural Health Monitoring of Biocomposites, Fibre-Reinforced Composites and Hybrid Composites*. Woodhead Publishing Series in Composites Science and Engineering. Woodhead Publishing. ISBN: 0081022999, 9780081022993, 2018.
2. Mohammad Jawaid, **Mohamed Thariq**, Naheed Saba. *Failure Analysis in Biocomposites, Fibre-Reinforced Composites and Hybrid Composites*. Woodhead Publishing Series in Composites Science and Engineering. Woodhead Publishing, ISBN: 0081023014, 9780081023013, 2018.
3. Mohammad Jawaid, **Mohamed Thariq**, Naheed Saba. *Mechanical and Physical Testing of Biocomposites, Fibre-Reinforced Composites and Hybrid Composites*. Woodhead Publishing Series in Composites Science and Engineering. Woodhead Publishing, ISBN: 0081023006, 9780081023006, 2018.
4. Mohammad Jawaid, **Mohamed Thariq**, Naheed Saba. *Durability and Life Prediction in Biocomposites, Fibre-Reinforced Composites and Hybrid Composites*. Woodhead Publishing Series in Composites Science and Engineering. Woodhead Publishing. ISBN: 0081022980, 9780081022986, 2018.
5. Mohammad Jawaid, **Mohamed Thariq**. *Sustainable Composites for Aerospace Applications*. Woodhead Publishing Series in Composites Science and Engineering. Woodhead Publishing, ISBN: 0081021380, 9780081021385, 2018.
6. Mohammad Jawaid, **Mohamed Thariq**. *Modelling of Damage Processes in Biocomposites, Fibre-Reinforced Composites and Hybrid Composites*. Woodhead Publishing Series in Composites Science and Engineering. Woodhead Publishing. ISBN: 9780081022894, 2018.

Article in Magazine

1. **Mohamed Thariq**. Mandeep Singh Jit Singh, Ali Ahmad Mazlan, Imran Najeeb. *Engineers of the Future*. Jurutera, The Institution of Engineer Malaysia (IEM), December 2018. ISSN: 0126-9909
2. **Mohamed Thariq**. Mandeep Singh Jit Singh, Ain Umaira Md Shah. *Professor on Duty – Organised by E2TD in Collaboration with Universiti Putra Malaysia & Universiti Kebangsaan Malaysia*. Jurutera, The Institution of Engineer Malaysia (IEM), December 2018. ISSN: 0126-9909

3. **Mohamed Thariq.** *Professor on Duty @ Bijak Matematik in Masjid Nurul Iman, Kampung Batu 10, Kebun Baharu, Jurutera, The Institution of Engineer Malaysia (IEM), No. 10, October 2018. ISSN: 0126-9909*

Keynotes/Invited Presentations

International

1. **Guest Lecture**, The University of Sheffield, March 2010.
2. **Module Lecture**, The University of Sheffield, March 2011.
3. **Invited Speaker**, International Conference on Advancements in Polymeric Materials, India, 12-14 February 2016.
4. **Keynote Speaker**, 2nd International Conference on Thermal, Energy and Environment (INCOTEE 2016), India, 25-26 March 2016.
5. **Keynote Speaker**, International Conference on Emerging Trends in Engineering and Technology (ICETET 2016), India, 7th April 2016.
6. **Keynote Speaker**, 3rd International Conference on Computational Methods in Engineering and Health Sciences (ICCMEH-2016), Japan, 17-18 December 2016.
7. **Invited Speaker**, 3rd Malaysia Super Satellite Campus (MSSC) International Workshop on Engineering & Health Science 2017 Collaboration for Bioengineering, Mechanics & Nano-Materials, Malaysia, 31st January 2017.
8. **Keynote Speaker**, International Conference on Automotives systems, Agricultural Equipments and Manufacturing (ICAAM 2017), India, 24-25 March 2017.
9. **Invited Speaker**, International Workshop on Advanced Composites and Its Manufacturing, Malaysia, 10-13 April 2017.
10. **Keynote Speaker**, International Symposium on Composite and Nanocomposite Materials 2019 (Isymposite I, 2019), Morocco, 8th-10th April 2019.
11. **Distinguish Speaker/Keynote Speaker**, International Conference on Emerging Trends in Engineering and Technology (ICETET 19), India, 29th May 2019.
12. **Keynote Speaker**, 5th Joint International Conference on Mechatronic, Mechanical and Biomedical Engineering (JICOMMBE 2019), Penang, Malaysia, 26th-27th August 2019.
13. **Keynote Speaker**, 3rd International Conference on Technological Advances in Mechanical Engineering (ICTAME 2019), India, 19th-20th September 2019.
14. **Keynote Speaker**, 2nd International Conference on Recent Innovations and Developments in Mechanical Engineering (ICRIDME 2K19), Department of Mechanical Engineering, BIHER, Chennai, 15th November 2019.
15. **Keynote Speaker**, International Conference on Futuristic Trends in Mechanical, Materials & Manufacturing (ICMMM2020), Tamil Nadu, India, 2nd-3rd April 2020.
16. **Keynote Speaker**, Faculty Development Program (FDP); "The Composite During Lockdown", Centre of Composite Materials, Department of Mechanical Engineering, Kalasalingam University, India, 21st May 2020.
17. **Speaker**, Faculty Development Programme on 'Drone View of Hotspots in Mechanical Engineering', Department of Mechanical Engineering, St' Peters Institute of Higher Education and Research, India, 25-29 May 2020.
18. **Speaker**, "Step by Step procedure for Writing Research article", International Seminar on Art of Writing Scientific Articles, Funding Proposal and Patent, Chennai Institute of Technology, India, 26th-27th May 2020.
19. **Speaker**, The art of writing a research paper, Webinar Session, Bannari Aman Institute of Technology Santhayamangalam, 13th June 2020.
20. **Inaugural**, International e-Conference on Futuristic Trends In Mechanical, Materials & Manufacturing (ICMMM 2020), St' Peters Institute of Higher Education and Research, India, 16th June 2020.
21. **Keynote**, First International Virtual Conference On Advanced Materials And Manufacturing And Process (IVCAMMP 2020), Kalasalingam University, India, 20th June 2020
22. **Keynote Speaker**, Virtual International Conference on Innovation in Interdisciplinary Research 2020, Kalasalingam Academy of Research and Education, India, 24th June 2020
23. **Keynote Speaker**, "Embracing IR4.0", INTI's 3rd International Conference on Innovation and Technopreneurship 2020 (ICIT 2020), Malaysia, 24th-25th September 2020.

National

1. **Invited Speaker**, Seminar Kursus Persediaan Bahan Komposit, 29 Oct 2013
2. **Invited Speaker**, An Overview of Skill Based Education vs Academic Based Education, Kuala Lumpur, 27 February 2015.
3. **Invited Speaker**, Project Design and Exhibition 2016 (ProDEX2016), 23rd August 2016
4. **Invited Speaker**, ETAC Self-Assessment Report (SAR) and Accreditation Workshop for IHL, Putrajaya, 8-9 October 2016.
5. **Invited Speaker**, ETAC Evaluation Panel Members Workshop, Putrajaya, 3-4 November 2016.
6. **Invited Speaker**, ETAC Evaluation Panel Members Workshop, Putrajaya, 5-6 November 2016.
7. **Invited Speaker**, Bengkel Pemurnian 'Self-Assessment Report' (SAR), Putrajaya, 15-16 November 2016.
8. **Invited Speaker**, Bengkel Pengisian Borang Permohonan Menjadi Ahli Korporat IEM, UKM, 14 February 2017.
9. **Invited Speaker**, Teen Camp, Malaysia, 20 May 2017.
10. **Invited Speaker**, On The Route to Become a Chartered Engineer (CEng) and Profesional Engineer (Peng), Universiti Putra Malaysia (UPM), 22 August 2017.
11. **Invited Speaker**, Bengkel Pengisian Borang Permohonan BEM, UKM, 17 October 2017.
12. **Invited Speaker**, How to Become Professional Engineers and Professional Technologies, UTHM Pagoh, 28 December 2017.
13. **Invited Speaker**, How to Become Professional Engineers and Professional Technologies, UTHM Pagoh, 28 February 2018.
14. **Invited Speaker**, Briefing on Routes to Professional Engineer (PE) Through MySET, IIUM, 26 April 2018.
15. **Invited Speaker**, Bengkel Pembangunan Kurikulum Program Teknologi Kejuruteraan Tenaga, Universiti Malaysia Kelantan, 26 Jun 2018.
16. **Invited Speaker**, Project Design and Exhibition 2019 (ProDEX2019), 3 Jan 2019.
17. **Invited Speaker**, 6th International Conference on Space Science & Communication (ICONSPACE 2019), Johor, Malaysia 28th-30th July 2019.
18. **Invited Speaker (Penceramah Sesi Syarahan Umum)**, Minggu Sains Negara 2019 Fasa 2 Peringkat Negeri Melaka, Melaka, Malaysia, 15 August 2019.
19. **Speaker**, Bengkel Teknikal : Waste – Natural Fiber Application for Green Composite, INTROP, UPM, 11 February 2020.
20. **Speaker**, "Step by Step procedure for Writing Research article", International Seminar on Art of Writing Scientific Articles, Funding Proposal and Patent, Chennai Institute of Technology, 26-27 May 2020.
21. **Penceramah Sesi Webinar**, Program Intervensi untuk pelajar bermasalah dalam pengajian siswazah, Universiti Malaysia Pahang, 30th June 2020.

Research Grants

No	Project Title	Amount (RM)	Year	Source of Fund
1.	Operational Modal Analysis of An Aeroelastically Induced Composite Wind Tunnel Model (Co-Researcher)-Completed	218,200	2011 - 2013	E-Science Fund, MOSTI
2.	A Novel Method of Impact Damage Detection and Characterisation in Composite Materials (Principal Researcher)-Completed	30,000	2011 - 2013	RUGS (5) (UPM)
3.	Structural Health Monitoring Benchmark Problem Using Monitored Data From Non-Damage And Damaged Composite Structures – An Experimental Based Approach (Principal Researcher)- Completed	50,000	2013 - 2015	GP-IPM (UPM)

4.	The Post-Buckled Coupled Mode Interaction Behaviour of Aircraft Aluminium Stiffened Panels in Compression (Co-Researcher)- Completed	59,000	2013 - 2015	FRGS (MoE)
5.	A Novel Method For Detecting (Low Velocity, High Velocity and Ballistic Impact) In Commercial Composite As Well As Bio-Composite Material Using Advanced Signal Processing Methods (Principal Researcher)- Completed	166,000	2014 - 2015	GP-IPB (UPM)
6.	Upstream Fundamental Research in Bamboo-Determining the Characterization of Different Species of bamboo as Reinforced Composite Material (Principal Researcher)- Completed	79,000	2014 - 2016	FRGS (MoE)
7.	Determination Of Low And High Velocity Impact Properties Of Kenaf-Kevlar Reinforced Hybrid Composites (Co-Researcher)-Completed	15,000	17 November 2014 – 17 November 2016	GP-IPS (UPM)
8.	Impact Resistance, Penetration Behaviour and Vibration Analysis of Glass/Sugar Palm Fibre Reinforced Polyurethane Hybrid Composite for Anti Roll Bar (ARB) Applications (Principal Researcher)- Completed	88,200	1 Jan 2015 - 30 June 2017	GP-IPB (UPM)
9.	Mechanical characterization, effect of hygrothermal conditioning and failure analysis research on carbon/flax fibre based epoxy Al metal laminate (FML) for future use in Aircrafts (Co-Researcher)-Completed	113,800	2 Nov 2015 – 1 Nov 2018	FRGS (MoE)
10.	Mechanical Properties and Impact Behavior Of Glass/Sugar Palm Fibre Reinforced Hybrid Composite (Principal Researcher)-Completed	20,000	1 Apr 2016 - 1 Apr 2018	GP-IPS (UPM)
11.	Impact Characterization and Thermal Analysis Of Flax/Kenaf/Epoxy Composites With The Hybridization Of Different Types OF Woven Glass Fibre Reinforced Polymer (GFRP) (Principal Researcher)-Completed	20,000	1 June 2016 - 1 June 2018	GP-IPS (UPM)
12.	Safe Biodegradable Packaging (Collaborator) – On Going	5,334,351	1 st November 2016 – 31 st December 2019	Newton-Ungku Omar Fund (6300873)
13.	Production of thermoplastic biopolymer (Principal Researcher) – On Going	600,000	1 Jan 2018 - 31 Dec 2019	Newton-Ungku Omar Fund (6300896)

14.	Leaders in Innovation Fellowship (Newton Grant) (Principal Researcher) – On Going	100,000	December 2017	Newton Ungku Omar Fund (Royal Academic of Engineering)
15.	Development of high-performance bio based sandwich panel structured composite for automotive applications (Co-Researcher)- On-Going	230,000	1 March 2017 – 28 February 2020	HiCoE
16.	Design and fabrication of Crash Box and Food Tray Table from Bamboo/Roselle Hybrid Composites (Principal Researcher)-Completed	152,300	1 July 2016 - 1 July 2018	GP-IPB (UPM)
17.	Investigation on Physical, Mechanical and Thermal Properties of New Hybrid Kenaf/Pineapple Leaf Fibre Composites for Structural Applications (Principal Researcher)-On-Going	80,000	1 Jan 2018 - 31 Dec 2019	HiCoE
18.	Damage Model and Simulation Process Of FRP Composite Materials For Aerospace Composite Structures (Co-Researcher)- On-Going	50,000	2 Apr 2018-2 Apr 2020	Geran Putra (UPM)
19.	Development of Novel Pineapple leaf fibre extraction machine for villagers from waste to wealth (Principal Researcher)-On-Going	25,000	1 March 2018 - 1 March 2019	KTGS (UPM)
20.	Investigation of Shape Memory Nanocomposite for Morphong Wing Skin Application (Principal Researcher)-On-Going	25,000	2 Apr 2018-2 Apr 2020	GP-IPS (UPM)
21.	A Study of Physical, Mechanical and Thermal Properties on Napier Grass/Fiber Hybrid Fiber Reinforced Epoxy Hybrid Composites for Aerospace Industry (Principal Researcher)-On-Going	25,000	2 Apr 2018 - 2 Apr 2020	GP-IPS (UPM)
22.	Development of multi-role unmanned aerial Systems wing using Fluid Structure Interaction (Co-Researcher)- On-Going	50,000	1 May 2019 – 30 April 2021	GP-IPM (UPM)
23.	Development of Advanced Commercial Composite Materials with Malaysian Palm Oil Fibres (Principal Researcher)-On-Going	150,000	1 Dec 2018 - 30 Nov 2020	GP-IPB (UPM)
24.	Isolation and Characterization of Bamboo Nanocellulose as Reinforcement in Bioplastics (Principal Researcher)-On-Going	90,200	1 Sept 2019 – 1 Sept 2021	FRGS (MoE)
25.	Dana bagi Pembangunan Projek Komuniti di Kawasan Kebun Baru, Telok Panglima Garang (Principal Researcher)-On-Going	50,000	24 Mei 2019	Community Grant (YB Dr Xavier, Minister of Water, Land and Natural Resources)

Awards/Recognition (Current) – Inside and Outside UPM

No	Name of awards	Title	Award Authority	Award Type	Year
1.	Award for Architectural Drafting	Best Trainee	Industrial Training Institute, Kuala Lumpur	National	1996
2.	Dean's List	Best Student Award	University Technology Tun Hussien Onn Malaysia (UTHM)	National	2004
3.	Chancellor's Award	Best Student in Mechanical Engineering	University Technology Tun Hussien Onn Malaysia (UTHM)	National	2004
4.	Hadiah Penerbitan Angkasa 2010	Tempat Ketiga Kategori: Kertas Kerja Profesional dalam bidang aplikasi angkasa (pembentangan di persidangan)	Agensi Angkasa Negara	National	2010
5.	Malaysian Space Publication Award	Professional Paper in the Field of Space Application (Presentation at the International Conference), Third Prize	Ministry of Science and Technology, Malaysia (MOSTI)	International	2011
6.	Excellent Award	Excellent Service 2011 (97.34)	Universiti Putra Malaysia	University	2011
7.	Outstanding Graduate Award	Best Graduate Award	Ministry of Human Resources (MOHR) Malaysia	National	2012
8.	Excellent Award	Excellent Service 2012 (96.33)	Universiti Putra Malaysia	University	2012
9.	Anugerah Kecemerlangan Dalam Pengajaran	Anugerah Kecemerlangan Dalam Pengajaran	Faculty of Engineering, UPM	Faculty/ University	2012
10.	Excellent Award	Excellent Service 2013 (92.50)	Universiti Putra Malaysia	University	2013
11.	Majlis Apresiasi INTROP	Anugerah Lab Terbaik; Laboratori Teknologi Biokomposit	INTROP, UPM	Research Institute	2014
12.	Excellent Award	Excellent Service 2014 (97.75)	Faculty of Engineering, UPM	Faculty/ University	2014
13.	Postgraduate Symposium on Biocomposite	Best Manuscript	Universiti Putra Malaysia	University	2015

	Technology 2015				
14.	Book of Success of ITI Graduate, Industrial Training Institutions (ITI's)	Student's Icon	Department Of Manpower, Ministry of Human Resources Malaysia	National	2015
15.	Excellent Award	Excellent Service 2015 (97.75)	Universiti Putra Malaysia	University	2015
16.	Excellent Award	Excellent Service 2016 (99)	Universiti Putra Malaysia	University	2016
17.	Anugerah Kecemerlangan Dalam Pengajaran	Anugerah Kecerangan Dalam Pengajaran	Faculty of Engineering, UPM	Faculty/ University	2016
18.	Pameran Rekacipta, Penyelidikan dan Inovasi 2016	Silver Medal for Protective Ballistic Helmet	Universiti Putra Malaysia	University	2016
19.	Elsevier Reviewer Recognition	Recognized Award	Composite Structures	International	Jan 2017
20.	Excellent Award	Excellent Service 2017	Universiti Putra Malaysia	University	2017
21.	Anugerah Khas Pensyarah 2017	Kategori Penyelidikan dan Inovasi	Faculty of Engineering, UPM	Faculty/ University	2017
22.	Anugerah Kecemerlangan Dalam Pengajaran	Anugerah Kecemerlangan Dalam Pengajaran	Faculty of Engineering, UPM	Faculty/ University	2017
23.	Presidential Award of Excellence	Most Improved Technical Division	The Institution of Engineers Malaysia (IEM)	International	2018
24.	Leaders in Innovation Fellowship (LIF) Newton Fund	Third Place in final international pitch session	Royal Academy of Engineering's Leaders in Innovation Fellowships	International	2018
25.	International MED Conference 2018	Silver Medal	Massive Open Online Course (MOOC)	International	2018

26.	Anugerah Perkhidmatan Cemerlang	Anugerah Perkhidmatan Cemerlang	Universiti Putra Malaysia (UPM)	University	2018
27.	29 th International Invention, Innovation & Technology Exhibition 2018	Silver Medal for Briquette/Biofuel Pellet from Napier Grass Fiber and Organic Substance	ITEX 2018	International	2018
28.	Anugerah Jaringan Industri dan Komuniti Berimpak Tinggi 2018	Projek Industri Berimpak Tinggi: MOU between UPM and AIRBUS Helicopters	Universiti Putra Malaysia	University	2018
29.	Anugerah Jaringan Industri dan Komuniti Berimpak Tinggi 2018	Projek Industri Berimpak Tinggi: Program Bijak Matematik Bersama Malaysian National News Agency (BERNAMA)	Universiti Putra Malaysia	University	2018
30.	Putra Innocreative Award	Best PutraMOOC	Putra Innocreative Carnival in Teaching and Learning 2018	University	2018
31.	Best Paper Award	Best Students Paper Award	International Conference on Aeronautics & Aviation (ICAAA 2018)	International	2018
32.	Program Inovasi dan Apresiasi 2018	Anugerah Kecemerlangan Dalam Pengajaran (Pasca Siswazah) Semester 1 2018/2019 Jabatan Kejuruteraan Aeroangkasa	Fakulti Kejuruteraan Universiti Putra Malaysia	Faculty/ University	2018
33.	Program Inovasi dan Apresiasi 2018	Anugerah Kecemerlangan Dalam Pengajaran (Pra Siswazah) Semester 1 2018/2019 Jabatan Kejuruteraan Aeroangkasa	Fakulti Kejuruteraan Universiti Putra Malaysia	Faculty/ University	2018
34.	Program Inovasi dan Apresiasi 2018	Anugerah Kecemerlangan Dalam Pengajaran (Pasca Siswazah) Semester 2 2017/2018 Jabatan Kejuruteraan Aeroangkasa	Fakulti Kejuruteraan Universiti Putra Malaysia	Faculty/ University	2018

35.	Program Inovasi dan Apresiasi 2018	Anugerah Kecemerlangan Dalam Pengajaran (Pasca Siswazah) Semester 2 2017/2018 Jabatan Kejuruteraan Biologi dan Pertanian	Fakulti Kejuruteraan Universiti Putra Malaysia	Faculty/ University	2018
36.	Program Inovasi dan Apresiasi 2018	Anugerah Kecemerlangan Dalam Pengajaran (Pra Siswazah) Semester 2 2017/2018 Jabatan Kejuruteraan Aeroangkasa	Fakulti Kejuruteraan Universiti Putra Malaysia	Faculty/ University	2018
37.	Program Inovasi dan Apresiasi 2018	Anugerah Kecemerlangan Penyelidikan dan Inovasi 2018	Fakulti Kejuruteraan Universiti Putra Malaysia	Faculty/ University	2018
38.	Elsevier Reviewer Recognition	Recognized Award	Journal of Composites Part B	International	May 2018
39.	Elsevier Reviewer Recognition	Outstanding Award	Measurement	International	Aug 2018
40.	Elsevier Reviewer Recognition	Recognized Award	Polymer Testing	International	Dec 2018
41.	Pameran Poster (Projek Komuniti) JINM Showcase 2019	Sijil Penyertaan	Universiti Putra Malaysia	University	2019
42.	Elsevier Reviewer Recognition	Recognized Award	Composites Communications	International	Jan 2019
43.	SIRIM Invention, Innovation & Technology Expo 2019	Bronze Medal: Foot/Ankle Rehabilitation Actuated by Shape Memory Alloy (SMA)	SIRIM	National	April 2019
44.	SIRIM Invention, Innovation & Technology Expo 2019	Bronze Medal: Hand/Finger Rehabilitation using Shape Memory Alloy (SMA)	SIRIM	National	April 2019
45.	SIRIM Invention, Innovation &	Bronze Medal: Low Cost Hand/Finger Rehabilitation Device	SIRIM	National	April 2019

	Technology Expo 2019	using Body Ergonomics for Physiotherapy			
46.	Elsevier Reviewer Recognition	Recognized Award	Chemical Engineering Journal	International	June 2019
47.	Elsevier Reviewer Recognition	Recognized Award	Journal of Materials Research and Technology	International	June 2019
48.	Elsevier Reviewer Recognition	Recognized Award	International Journal of Mechanical Sciences	International	June 2019
49.	Innovation Technology Expo 2019 (INTEX 2019)	Gold Award Project: Putra UAV: Bio-degradable Natural Fiber Composite Material	INTEX 2019	National	July 2019
50.	Innovation Technology Expo 2019 (INTEX 2019)	Gold Award Project: Innovative Pineapple leaves Fiber Extraction Blade for Extraction Machine	INTEX 2019	National	July 2019
51.	Elsevier Reviewer Recognition	Recognized Award	Materials Today Communications	International	July 2019
52.	Elsevier Reviewer Recognition	Recognized Award	Defence Technology	International	July 2019
53.	Elsevier Reviewer Recognition	Recognized Award	Composites Science and Technology	International	July 2019
54.	Elsevier Reviewer Recognition	Recognized Award	Materials Today: Proceedings	International	July 2019
55.	2 nd Digitalised International Invention, Innovation and Design Johor, 2019 (DIID JOHOR 2019)	Gold Medal for Project: Putra UAV: Sustainable Material Recreational UAV	Johor 2019: Digitalising The Malaysian Innovation	National	August 2019
56.	2 nd Digitalised International Invention, Innovation and Design Johor, 2019 (DIID JOHOR 2019)	Gold Medal for Project: Advance Pineapple Leaves Fiber Extraction Machine	Johor 2019: Digitalising The Malaysian Innovation	National	August 2019

57.	Elsevier Reviewer Recognition	Recognized Award	Mechanics of Materials	International	Sept 2019
58.	Elsevier Reviewer Recognition	Recognized Award	Engineering Structures	International	Sept 2019
59.	INDES 2019	Gold Medal for Project: Putra UAV: Novel Bio-Degradable Natural Fiber Composite Material	Ipoh International Summit on Professionalism, Research and Education 2019 (INSPIRED)	International	17 Sept 2019-19 Sept 2019
60.	INDES 2019	Diamond Award for Project: Innovatory Pineapple Leaves Fiber Extraction Blade for Fiber Extraction Machine	Ipoh International Summit on Professionalism, Research and Education 2019 (INSPIRED)	International	17 Sept 2019-19 Sept 2019
61.	INDES 2019	Best of The Best Award (Category B; Students of Higher Learning Institution) for Project: Innovatory Pineapple Leaves Fiber Extraction Blade for Fiber Extraction Machine	Ipoh International Summit on Professionalism, Research and Education 2019 (INSPIRED)	International	17 Sept 2019-19 Sept 2019
62.	INDES 2019	Best of The Best Award (Science, Engineering & Technology) for Project: Innovatory Pineapple Leaves Fiber Extraction Blade for Fiber Extraction Machine	Ipoh International Summit on Professionalism, Research and Education 2019 (INSPIRED)	International	17 Sept 2019-19 Sept 2019
63.	INDES 2019	Best in Theme (Science, Engineering & Technology) for Project: Innovatory Pineapple Leaves Fiber Extraction Blade for Fiber Extraction Machine	Ipoh International Summit on Professionalism, Research and Education 2019 (INSPIRED)	International	17 Sept 2019-19 Sept 2019
64.	INDES 2019	Gold Medal for Project: Innovatory Pineapple Leaves Fiber Extraction Blade for Fiber Extraction Machine	Ipoh International Summit on Professionalism, Research and Education 2019 (INSPIRED)	International	17 Sept 2019-19 Sept 2019
65.	INDES 2019	Gold Medal (Science, Engineering & Technology) for Project: Innovatory Pineapple Leaves Fiber Extraction	Ipoh International Summit on Professionalism, Research and Education 2019 (INSPIRED)	International	17 Sept 2019-19 Sept 2019

		Blade for Fiber Extraction Machine			
66.	Karnival Inovasi UTEMEX 2019	Gold Award Winner for project: Innovatory Pineapple Leaves Fiber Extraction Blade	Universiti Teknikal Melaka	National	9-10 Oct 2019
67.	Karnival Inovasi UTEMEX 2019	Special Award Winner for project: Putra UAV: Novel Bio-Degradable Natural Fiber Composite	Universiti Teknikal Melaka	National	9-10 Oct 2019
68.	Karnival Inovasi UTEMEX 2019	Gold Award Winner for project: Putra UAV: Novel Bio-Degradable Natural Fiber Composite	Universiti Teknikal Melaka	National	9-10 Oct 2019
69.	Selangor Research, Development and Innovation Expo	Top winner of the Machines & Equipment Cluster (University / College Category) which entailed a prize worth RM10,000 for project: Innovatory Pineapple Leaves Fiber Extraction Blade for Fiber Extraction Machine	Kerajaan Negeri Selangor	National	10-13 Oct 2019
70.	Engineering Innovation & Exhibition	Innovation Awards” Silver Award for Innovatory Pineapple Leaves Fiber Extraction Blade for Fiber Extraction Machine	Universiti Putra Malaysia	National	5 Dec 2019
71.	Engineering Innovation & Exhibition	Innovation Awards” Silver Award for Putra UAV: Novel Bio-Degradable Natural Fiber Composite Material	Universiti Putra Malaysia	National	5 Dec 2019
72.	Reviewer Recognition	Star Reviewer	Defence Technology	International	Jan 2020
73.	Malaysia Technology Expo 2020 (MTE2020)	Invention and Innovation Silver Award for Category “Machinery, Equipment and Tools Heavy Equipment’s, Industrial Machinery” for project “Innovatory Pineapple Leaves Fiber Extraction Blade for Fiber Extraction Machine”	The 19 th International Expo on Inventions and Innovations	International	20-22 Feb 2020

74.	Malaysia Technology Expo 2020 (MTE2020)	Invention and Innovation Bronze Award for Category "Aviation and Transportation" for project "Putra UAV: Novel Bio-Degradable Natural Fiber Composite Material"	The 19 th International Expo on Inventions and Innovations	International	20-22 Feb 2020
75.	Elsevier Reviewer Recognition	Recognized Award	Ceramics International	International	July 2020
76.	Elsevier Reviewer Recognition	Recognized Award	Composites Science and Technology	International	June 2020
77.	Elsevier Reviewer Recognition	Recognized Award	Engineering Failure Analysis	International	June 2020
78.	Elsevier Reviewer Recognition	Recognized Award	Polymer Testing	International	June 2020
79.	Elsevier Reviewer Recognition	Recognized Award	Engineering Science and Technology, an International Journal	International	June 2020
80.	Elsevier Reviewer Recognition	Recognized Award	Engineering Structures	International	June 2020
81.	Elsevier Reviewer Recognition	Recognized Award	Solid State Sciences	International	June 2020
82.	Elsevier Reviewer Recognition	Recognized Award	Materials Letters	International	May 2020

Professional Services/Consultation/Collaborations

No	Year	Title	Authority	Amount
1.	2012	Single Stage Gas Gun for Engineering Material Laboratory, Faculty of Process and Manufacturing, Universiti Malaysia Pahang	ZKK Sdn. Bhd.	RM413,000
2.	2014	Centre for Aerospace Design Sdn. Bhd.	UniKL, MIAT	RM3,000
3.	2014	Railway Wheel Crack Detection	MASDAR Technologies	RM 300,000
4.	2014	Bamboo Slicer Machine	ZKK Sdn. Bhd.	RM 30,000
5.	2015	Innovative Structural Health Monitoring (SHM) System Capable of Detecting, Localizing and Characterizing Damages In Bio-Based Composite Aircraft Structures	ZKK Sdn. Bhd.	RM 150,000

6.	23 Nov 2015- 02 Dec 2015	Experimental & Computational Analysis of Composite Structures	Aeronautical Research Centre (ARC) Sudan	RM 20,774
7.	2015	Non-Destructive Testing Facilities Between AMRC and CUAT Algeria	Centre Universitaire Ain Temouchent – CUAT	RM 10,000
8.	2015	Non-Disclosure Agreement (NDA) Between UPM and PROTON	Universiti Putra Malaysia (UPM) and PROTON (In Kind)	RM 556,800
9.	2016	Collaboration and Utilization of Bio Composite Laboratory & Testing Facility for University Research at AMRC UPM	Centre for Composite (CfC), UTM	RM 5,000
10.	24 Apr 2017	Program Bijak Matematik	BERNAMA News Channel	RM100,000
11.	26 Apr 2017	MoU with Airbus Helicopter Malaysia Sdn Bhd	Universiti Putra Malaysia	Aircraft piston engine worth USD 30000 + RM50,000 = RM176,000
12.	1 July 2017- 30 June 2020	Collaboration for project 'Modelling and Analysis of Lap Joints of Basalt-Carbon /Epoxy Hybrid Composite Laminates Subjected to Impact Loading' Institute of Technology PETRONAS Sdn Bhd	Universiti Teknologi Petronas (UTP)	RM 4,800
13.	2017	Program Bijak Matematik	BERNAMA Radio	RM50,000
14.	11 June 2018	Natural fibre panel for MUDAS	MUDAS	RM4,000

Student Supervisions, PostGraduates (MSc and PhD)

Doctor of Philosophy

	Name of Students	Status (Completed/Ongoing)	Year Graduated
1.	Mohd Fairuz Bin Alias <i>(Universiti Tun Hussien Onn Malaysia)</i>	Ongoing	-
2.	Ho Choon Sin <i>(Universiti Tun Hussien Onn Malaysia)</i>	Ongoing	-
3.	Nayak Suhas Yeshwant <i>(Manipal University)</i>	Ongoing	-
4.	Noorshazlin binti Razali	Ongoing	-
5.	Muhamad Hasfanizam bin Mat Yazik	Ongoing	-
6.	Norrahim bin Abu Bakar	Ongoing	-
7.	Tabrej Khan	Ongoing	-
8.	Nor Izaida binti Ibrahim	Ongoing	-

9.	Nur Marini binti Zainal Abidin	Ongoing	-
10.	Farah Syazwani binti Shahar	Ongoing	-
11.	Tamil Moli a/p Loganathan	Ongoing	-
12.	Mohd Edyazuan Azni	Ongoing	-
13.	Elias Randjbaran	Ongoing	-
14.	Abdulhamdan Sadeq Salman Abed	Ongoing	-
15.	Mohd Shamsul Azmi bin Mohd Alim	Ongoing	-
16.	Noor Azammi b. Abd Murat	Ongoing	-
17.	Ernie Illyani binti Basri	Ongoing	-
18.	Nik Syamsul Bahari bin Che Yusof	Ongoing	-
19.	Chee Siew Sand	Ongoing	-
20.	Amin Khajeh	Ongoing	-
21.	Al Behadili Ali Kareem Hilo	Ongoing	-
22.	Farah Hanan binti Abd Malek	Ongoing	-
23.	Murniwati binti Anwar	Ongoing	-
24.	Siti Madiha binti Muhammad Amir	Completed	2019
25.	Lau Kia Kian	Completed	2019
26.	Naveen Jesu Arockiam	Completed	2019
27.	Syafiqah Nur Azrie Bt Safri	Completed	2019
28.	Ain Umaira binti Md. Shah	Completed	2018
29.	Umran bin Abdul Rahman	Completed	2018
30.	Ibrahim Mohammed	Completed	2018
31.	Suhad Dawood Salman	Completed	2017
32.	Mohaiman Jaffar Kashkol	Completed	2017
33.	Nawras Haidar Mostafa Al-Said Haidar	Completed	2017
34.	Parnia Zaki Khani	Completed	2016

MSc with Thesis

	Name of Students	Status (Completed/Ongoing)	Year Graduated
1.	Muhammad Hafizal bin Hamidon	Ongoing	-
2.	Mohammad Azeem (Universiti Malaysia Pahang)	Ongoing	-
3.	Ali Ahmad bin Mazlan	Ongoing	-
4.	Seri Nur Iman Hidayah Binti Zainal Abidin	Ongoing	-
5.	Seri Nur Zumaimi Binti Zainal Abidin	Ongoing	-
6.	Muhammad Imran bin Najeeb	Ongoing	-
7.	Mohamad Norazmi bin Kamarolzaman	Ongoing	-
8.	Muhammad Fitri bin Mohd Zulkeple	Ongoing	-
9.	Yasir Khaleel Ibrahim Kermasha	Ongoing	-
10.	Azwin Bin Azizul Hassan	Ongoing	-
11.	Muhammad Faizzuddin bin Ismail	Completed	2019
12.	Tay Chai Hua	Completed	2019
13.	Ahmad Safwan bin Ismail	Completed	2019
14.	Ahmad Mustafa bin Rayney Azmi	Completed	2018
15.	Ariff Farhan bin Mohd Nor	Completed	2018
16.	Khairul Izwan bin Ismail	Completed	2018
17.	Qistina binti Mohd Jamal	Completed	2017
18.	Noorshazlin binti Razali	Completed	2015
19.	Syafiqah Nur Azrie bt Safri	Completed	2015
20.	Lim Keng Teek	Completed	2015
21.	Ahsan Nur Mubarak Zahari @ Annuar	Completed	2013

MSc without Thesis

No.	Name	Remarks	Status
1.	Ismail A M Alfarra	Main Supervisor	2019
2.	Farah Syazwani Binti Shahr	Main Supervisor	2018
3.	Nadhira Fathiah Binti Kamarulzaman	Main Supervisor	2017
4.	Muhammad Nor Hakim Bin Mohd Arif	Main Supervisor	2016

Student Supervisions, Undergraduates
Bachelor Degree

No.	Name	Remarks	Status
1.	Noorshazlin Bt. Razali	Main Supervisor	<u>Completed 2012</u>
2.	Khairina Hafizah Bt. Ramlan	Main Supervisor	<u>Completed 2013</u>
3.	Chan Teng Yan	Main Supervisor	<u>Completed 2014</u>
4.	Syafiq Syahmi B. Sazali	Main Supervisor	<u>Completed 2014</u>
5.	Muhammad Faizzuddin Bin Ismail	Main Supervisor	<u>Completed 2015</u>
6.	Ariff Farhan Bin Mohd Nor	Main Supervisor	<u>Completed 2016</u>
7.	Ahmad Mustafa Bin Rayney Azmi	Main Supervisor	<u>Completed 2016</u>
8.	Muhammad Hafizal Bin Hamidon	Main Supervisor	<u>Completed 2017</u>
9.	Ali Ahmad Mazlan	Main Supervisor	<u>Completed 2018</u>
10.	Abeeb Fajobi Olamilekan	Main Supervisor	<u>Completed 2019</u>
11.	Nurul Amirah	Main Supervisor	<u>Completed 2019</u>

Student Examination (Internal/External Examiner/ Chairman)
Doctor of Philosophy

No.	Name	Title	Level	Year
1.	Mr. R. Kamalakannan (Anna University - India) International Level	Cell Formation With Real Time Production Factors Using Swarm Intelligence (EXTERNAL EXAMINER)	PhD	2017
2.	Prenesh Krishnan Rangunathan (Universiti Malaysia Perlis – UniMAP) National Level	Performance of Glass Fibre Reinforced Epoxy (GRE) Composite Pipes Under Various Stress Ratios, Winding Angles and Aging Conditions (EXTERNAL EXAMINER)	PhD	2017
3.	Mr. S. Sundararajan (Anna University - India) International Level	Investigation on Tribological Characteristics of Self Lubricated Copper Hybrid Composites by Solid State Blending Technique (EXTERNAL EXAMINER)	PhD	2018
4.	Mr. T. Amuthan (Anna University - India) International Level	Performance Analysis on Electrical and Mechanical Properties of Various Natural Fibre Reinforced Composite Materials (EXTERNAL EXAMINER)	PhD	2018
5.	Mr. N. Vijay Ponraj (Anna University - India) International Level	Processing, Characterization and Experimental Investigation on Mechanical and Wear Behaviour of Graphene Nanosheet Reinforced Copper Composite (EXTERNAL EXAMINER)	PhD	2018
6.	Mr. Subramani P (Vellore Institute of Technology – India) International Level	Studies on Welding Processes on Metallurgical, Mechanical and Hot Corrosion Behavior of Aerospace 80A Grade Alloy	PhD	2019

7.	Mr. T Prem Singh Inbaraj (Anna University - India) International Level	A Study on Green Supply Chain Practices and Performance of Third Party Logistics (3PL) Industry in India	PhD	2019
8.	Ahmad Syayuthi Bin Abdul Rahman (Universiti Malaysia Perlis – UniMAP) National Level	Fatigue Analysis of GFRE Composites And Aircraft Flat Panel Under Various Stress Ratios And Notch Design (EXTERNAL EXAMINER)	PhD	2019
9.	Nur Liyana Binti Mohamad Hafiz (Universiti Putra Malaysia) National Level	Hybrid Woven Kenaf/Kevlar Reinforced with Tannin Phenolic Adhesive as Matrix (INTERNAL EXAMINER)		2020
10.	Munerah A B S Faraj (Universiti Putra Malaysia) National Level	Study on air Ventilation Syatem Based on CFD Simulation for the Hospital Operation Theater in Kuwait (INTERNAL EXAMINER)	PhD	2019
11.	Chandrasekar Muthukumar (Universiti Putra Malaysia) National Level	Experimental Investigation on the Mechanical Properties of Fibre Metal Laminates with Carbon, Flax and Sugar Palm Fibre Based Composites for Aerospace Applications (INTERNAL EXAMINER)	PhD	2019
12.	Sujith Bobba (Universiti Putra Malaysia) National Level	Mechanical Properties Of S-Glass And E-Glass Reinforced Epoxy Composite Elbow Pipe Joints Submerged In Sea Water	PhD	2019
12.	Ahmad A H S Shirazi (Universiti Putra Malaysia) National Level	Application Of Wireless Structural Health Monitoring System On Oil And Gas Pipelines	PhD	2019

MSc				
No.	Name	Title	Level	Year
1.	Awang Hadi Ifwat bin Awang Bujang (Universiti Islam Antarabangsa Malaysia) National Level	Investigation of Fizelectric Actuator Effect on Fracture Toughness of Isotropic Materials	MSc	2020
2.	Wan Mohd Azlan Bin Wan Mohd Nowalid (Universiti Malaysia Pahang) National Level	Integration of Chatter Avoidance and Minimum Quantity Lubrication Condition In Machining Processing	MSc	2019
3.	Mohammed Ragab Ahmed (Universiti Malaysia Pahang) National Level	Development of adjustable valve of semi-active damper for improving ride comfort in a passenger car	MSc	2019

4.	Shahrul Nizam Md Saleh (Universiti Teknologi Petronas) National Level	Tensile, Physical and Chemical Characterization of Oleic Acid Post Spinning Treatment on PAN Fibre	MSc	2018
5.	Norzarina Binti Ma'at (Universiti Tun Hussien Onn Malaysia) National Level	Modeling Dynamic Behavior Including Shockwave Propagation And Spall Failure In Orthotropic Materials (EXTERNAL EXAMINER)	MSc	2017
6.	Hayder Abdullah Luaibi Alrazen (Universiti Putra Malaysia) National Level	Numerical Simulation of The Effect of Combination of CNG.H2 and Diesel Usage on the 4 Stroke Engine (CHAIRMAN)	MSc	2016
7.	Nurhazwani Binti Othman (Universiti Putra Malaysia) National Level	Physical, Mechanical and Morphological Properties of Hybrid Particleboard made from Bamboo Veneer Wastes (Dendrocalamus Asper) and Rubber Wood (CHAIRMAN)	MSc	2017
8.	Nurhanisah bt Mohd Hawari (Universiti Putra Malaysia) National Level	Design And Fabrication Of Eco-Friendly Prosthetic Leg Socket Made From Woven Kenaf-Glass Fibre Hybrid Composites (INTERNAL EXAMINER)	MSc	2017
9.	Nurul Reffa Azyan Bt Nasrudin (Universiti Putra Malaysia) National Level	Effects Of Nanoclay Addition On The Properties Of Rice Husk Ash/Kaolin Based Geopolymer Coating Composite (INTERNAL EXAMINER)	MSc	2017
10.	Mohd Nizam Bin Hassan (Universiti Putra Malaysia) National Level	The Influence of Stiffener Aluminum Perforated Plates Subjected to In-Plane Shear Loading (INTERNAL EXAMINER)	MSc	2017
11.	Mohd Saffuan Bin Yaakob (Universiti Putra Malaysia) National Level	Applications of Auxetic Cell Structure As Impact Absorbing Material in Bio-Composite Aero Helmet (CHAIRMAN)	MSc	2017
12.	Rao Muhammad Shahroze Ali (Universiti Putra Malaysia) National Level	Effect of Nanoclay and Silica Aerogel on Mechanical, Thermal and Physical Properties of Sugar Palm Fibre Reinforced Unsaturated Polyester Composite (INTERNAL EXAMINER)	MSc	2018
13.	Afiqah Musa (Universiti Putra Malaysia) National Level	Scanning Laser Thermographic Imaging System for Non-Destructive Evaluation of Incipient Thermal Damages in Aerospace Composite Material (INTERNAL EXAMINER)	MSc	2018

14.	Farid bin Bajuri (Universiti Putra Malaysia) National Level	Impregnation of Nanosilica Into Kenaf Natural Fibre to Reinforce Epoxy Thermoset Resin (CHAIRMAN)	MSc	2018
15.	Muhammad Jaber Bin Suleiman@Ahmad (Universiti Putra Malaysia) National Level	Development of Inconel 718 Parts Produced by Metal Injection Molding (MM) Technique for Aerospace Applications (INTERNAL EXAMINER)	MSc	2019
16.	Gan Chia Seng (Universiti Putra Malaysia) National Level	Statistically Threshold Anomaly Mapping of Lightning Damages in Glass Fibre Composite Materials for Aerospace Applications (INTERNAL EXAMINER)	MSc	2019
17.	Zulkifli Bin Mat Daud (Universiti Putra Malaysia) National Level	Conceptual Design of Hoverwing Dragon Fly DF2 Control Stick (Examiner)	MSc Without Thesis	2019
18.	Faris Syahiran Bin Ismail	Characterisation of Oil Palm Empty Fruit Bunch Fibres Microcrystalline Cellulose (EFB-MCC) For Potential High Mechanical Strength Paper	MSc	2019

INTELLECTUAL PROPERTY

Patent Filed

1. **M.T.H. Sultan**, F.S. Shahar, A.A. Basri. Medical Information Access Device, MyIPO LY2018006915
2. **M.T.H. Sultan**, Cap Dagangan "AMRC", MyIPO TM2019014597 Kelas 42
3. **M.T.H. Sultan**, A.A. Basri, W.R. Alvisse, Unmanned Aerial Vehicle, Industrial Design, 19-01281-0101
4. **M.T.H. Sultan**, Cap Dagangan "PEC", MyIPO TM2019036665 Kelas 10
5. **M.T.H. Sultan**, A.H. Ariffin, A.A. Basri, M.E. Azni, M.I. Najeeb, Rotating blade for natural fiber extraction machine, Patent, PI 2019005430
6. M.Jawaid, Naveen, Edi Sham, **M.T.H.Sultan**, Techno Economic Hard Body Armour", AR2019003399
7. **M.T.H. Sultan**, A.A. Basri, Cap Dagangan "ProfesOD", TM2019042684 Kelas 41

Patent Pending

1. Smart Tray Table

Potential Buyer/commercialization Engagement

1. Eastern Tradeventure Sdn Bhd for "Putra UAV" design
2. MPIB for "Rotating Blade"

Attended Seminars/Workshops/Forums both National And International

1. Seminar Workshop New Breakthrough in Modern CFD, August 2011.
2. 8th International Workshop on Structural Health Monitoring, 13th-15th September 2011, Stanford University, California, USA.
3. Industry Forum: Route to Commercialisations by Prof. Dr. Shamsuddin Baharin, 24th October 2011, Seminar Hall C, Convention Centre, Centre for University -Industry Collaboration, Universiti Utara Malaysia.
4. 1st Malaysian-German Conference of Education & Training, Malaysia – German Chamber of Commerce and Industry, 3rd November 2011, Crown Plaza Mutiara Hotel, Kuala Lumpur.

5. ASEM University-Business Forum, Destination Employment, Bonn, Germany, 10 -11th November 2011.
6. Research Methodology Course, Series 3/2011, 25-30th November 2011, Ancasia All Suites Resort & Spa, Port Dickson.
7. 1st National Entrepreneurship Educators Forum (NEEF) 2012, 27 February 2012, Putrajaya, Malaysia.
8. Bengkel Pemantapan Halatuju dan Perancangan Strategik AKEPT Young Researchers Circle (AYRC), Malaysia, 6-8 Mac 2012.
9. Program Health for Malaysia, 18-20th November 2012, Rural Transformation Centre, Terminal Agribisnes Negara, Gopeng, Perak Darul Ridzuan.
10. Seminar Khatib Profesional, Jabatan Agama Islam Selangor, Masjid Negeri Shah Alam, 24 October 2013.
11. MTS Lab Expert Seminar Series: Leveraging Material Testing for Academic Research. April 2014.
12. ASME VII Training (Pressure Vessel Code Simplified), Malaysian Society of Structural Health Monitoring (MSSHM), Universiti Putra Malaysia, 21st to 25th April 2014.
13. Mechanical Characterization of Engineering Materials, Aerospace Manufacturing Research Centre (AMRC), Universiti Putra Malaysia, 22nd to 26th September 2014.
14. Program Jalinan Kasih, Baitul Barokah Wal Mahabah, Sepang, Fakulti Kejuruteraan, UPM, 22 Nov 2014
15. Preconference workshop on Computational Methods for Interdisciplinary Research December 15 – 16, Manipal, India, 2014.
16. 2nd International Symposium on Applied Engineering and Sciences (SAES2014) Kyushu Institute of Technology, Japan, 20th – 21th Dec, 2014.
17. Code of Ethics / Regulations, Board of Engineers Malaysia, Institute of Engineers Malaysia Training Centre, 4th to 5th February 2015.
18. Engineering Management Practice, Board of Engineers Malaysia, Institute of Engineers Malaysia Training Centre, 9th to 10th February 2015.
19. Safety & Health At Work, Board of Engineers Malaysia, Institute of Engineers Malaysia Training Centre, 12th to 13th February 2015.
20. Workshop on Dynamic Mechanical Analyzer (DMA), Laboratory of Technology Biocomposite (BIOCOMPOSITE), Universiti Putra Malaysia, 11th March 2015.
21. Professional Engineer Course, Malaysian Society of Agricultural Engineers (MSAE), Universiti Putra Malaysia, 19th March 2015.
22. Convention on Consolidation and Empowerment of Management for Surau's in Selangor, Raja Haji Fisabilillah Mosque Hall, Cyberjaya, 12th November 2015.
23. EAC New Panel Evaluators Workshop, Subang, 14-16 December 2015.
24. Royal Academy of Engineering's **Leaders in Innovation Fellowships** residential programme 2017/2018

25. 3rd Malaysia Super Satellite Campus (MSSC) International Workshop on Engineering & Health Science 2017 Collaboration for Bioengineering, Mechanics & Nano-Materials, Malaysia, 31st January 2017.
26. Kursus Awareness and understanding of MS ISO/IEC 17205:2005. UPM, 27-28 Julai 2017.
27. Program Himpunan Bakat (Kumpulan Akademik) 'Perlembagaan Universiti', UPM, 1 Aug 2017.
28. Program Himpunan Bakat (Kumpulan Akademik) 'Pengurusan Kewangan Universiti', UPM, 12 Sept 2017.
29. ETAC Workshop for Panel Evaluators, Subang, 25 September 2017.
30. Workshop on ETAC Self Assessment Report (SAR), Putrajaya, 28-30 October 2017.
31. One Day Workshop: Gap Analysis of The Engineering Accreditation Council Manual 2017, Petaling Jaya, 3 March 2018.
32. One Day Workshop: Gap Analysis of The Engineering Accreditation Council Manual 2017, Petaling Jaya, 3 April 2018.
33. Sustainable ProestEhic Care Solutions Workshop (SPECS 2019), Faculty of Engineering Universiti Malaya, 12 March 2019.
34. Bengkel Teknikal "Waste – Natural Fibre Application for Green Composite", INTROP, UPM, 11 February 2020.
35. WEBINAR IN Collaboration with IEM, UPM and KDU, 29 June 2020.

Technical Committee / Paper Reviewers/Session Chairs

International

No.	Name of Activity/Project/Program	Organiser	Place	Date
1.	Formal Teaching Activities, Supporting Module Leader	The University of Sheffield, United Kingdom	UK	March 2011
2.	Guest Lecture	The University of Sheffield, United Kingdom	UK	23 March 2011
3.	Organizing Committee	AEROTECH IV	Malaysia	2012
4.	Conference Committee (Technical Committee)	AUN/SEED-Net Regional Conference on Mechanical and Manufacturing Engineering	Malaysia	2013
5.	International Reviewer	AUN/SEED-Net Regional Conference on Mechanical and Manufacturing Engineering	Malaysia	2013
6.	Conference Committee (Technical Committee)	International Conference on Advances in Mechanical and Manufacturing Engineering (ICAM2E)	Malaysia	2013



7.	International Reviewer	AUN/SEED-Net Regional Conference on Mechanical and Manufacturing Engineering	Malaysia	2013
8.	Reviewer	AEROTECH V	Malaysia	July 2014
9.	Session Chair	AEROTECH V	Malaysia	October 2014
10.	Session Chair	International Conference on Computational Methods in Engineering & Health Sciences	India	December 2014
11.	Head of Sponsorship	AEROTECH VI	Universiti Putra Malaysia, UPM	17 November 2015 to 16 November 2016
12.	Reviewer	International Conference on Computational Methods in Engineering & Health Sciences (ICCMEH:2015)	Universiti Putra Malaysia, UPM	2015
13.	Head of Sponsorship	International Conference on Computational Methods in Engineering & Health Sciences (ICCMEH:2015)	Universiti Putra Malaysia, UPM	2015
14.	Session Chair	International Conference on Computational Methods in Engineering & Health Sciences (ICCMEH:2015)	Universiti Putra Malaysia, UPM	2015
15.	Judge	Prodex 2016	Malaysia	29 th Dec 2016
16.	Judge	INOTECH 2016	Malaysia	18 th Aug 2016
17.	Converner	Wood and Biofiber International Conference 2017 (WOBIC2017)	Malaysia	2017
18.	Judge	Wood and Biofiber International Conference 2017 (WOBIC2017)	Malaysia	21 st – 23 rd Nov 2017
19.	Judge	InoTech 2017	Malaysia	7 th Sept 2017
20.	Judge for 3 Minute Competition	UNITEN	Malaysia	27 th March 2018
21.	Judge	PRODEX 2018	Malaysia	10 th Jan 2018
22.	Chairman of Organizing Committee	1 st International Conference on Safe Biodegradable Packaging Technology (SafeBiopack 2018)	MiGHT Partnership Hub, Cyberjaya, Malaysia	2018
23.	Deputy Chairman of Steering Committee	1 st International Conference on Safe Biodegradable Packaging Technology (SafeBiopack 2018)	MiGHT Partnership Hub, Cyberjaya, Malaysia	2018
24.	Conference Committee (Technical Committee)	6 th International Conference on Space Science and Communication (IconSpace2019)	Malaysia	28 th -30 th July 2019

25.	Judge	INOTECH 2019	Malaysia	13 th March 2019
26.	Judge	ProDex 2019	Malaysia	3 rd Jan 2019
27.	Co-chairman	International Symposium on Composite and Nanocomposite Materials 2019 (Isymposite I, 2019)	Rabat, Morocco	8 th – 10 th April 2019
28.	Chairman Session	International Symposium on Composite and Nanocomposite Materials 2019 (Isymposite I, 2019)	Rabat, Morocco	8 th – 10 th April 2019
29.	Organizing Committee	International Symposium on Composite and Nanocomposite Materials 2019 (Isymposite I, 2019)	Rabat, Morocco	8 th – 10 th April 2019
30.	Session Chairman	2 nd Wood & Biofibre International Conference (WOBIC2019)	Sabah, Malaysia	3 rd -5 th December 2019
31.	Steering Committee Member	2 nd Wood & Biofibre International Conference (WOBIC2019)	Sabah, Malaysia	3 rd -5 th December 2019

National

No.	Name of Activity/Project/Program	Organiser	Place	Date
1.	Session Chair for Seminar Workshop	NUMIT Enterprise	Malaysia	August 2011
2.	Committee Member for AKEPT Young Researchers Circle Conference & Exhibition	Ministry of Higher Education, Malaysia	Malaysia	2011
3.	Committee Member for Mesyuarat Majlis Perundingan Akademia Industri	Ministry of Higher Education, Malaysia	Malaysia	2012
4.	Session Chair	Malaysia Workshop of Structural Health Monitoring (MSSHM)	Malaysia	2013
5.	Contract Lecturer	ADMAL Aviation College	Sepang, Malaysia	July 2013
6.	Guest Lecture/Trainer	Universiti Malaysia Pahang (UMP), Malaysia	UMP, Malaysia	October 2013
7.	Committee Member of Sydney Accord and Dublin Accord	Board of Engineer Malaysia	Malaysia	August 2016

8.	Joint Researcher for 'Memperkasakan minat pelajar sekolah anak-anak yatim kepada pengetahuan Sains dan Matematik Melalui Kawalan Pintar Helikopter'	ANGKASA, UKM	Malaysia	February 2017
9.	Panel Penilai Projek Pelajar Tahun Akhir	UKM	Malaysia	25 May 2017
10.	Panel Penilai MyGrants FRGS	UPSI	Malaysia	2017
11.	Working Group on License Aircraft Maintenance Qualifications (Member)	Board of Engineer Malaysia	Malaysia	March 2018
12.	Ketua Penyelaras Program bagi Minggu Sains Negara	Kementerian Tenaga, Sains, Teknologi, Alam Sekitar dan Perubahan Iklim	Malaysia	15 July – 15 Aug 2019
13.	Advisor for Putra Rimba Rimbun Programme	SISFEC & INTROP UPM	Malaysia	6 th Nov 2019
14.	Member of Working Group on BEM Policy on Registration as Engineer Technologist/ Inspector of Works/ Graduate Engineer & Sit for Professional Assessment Examination and Professional Competency Examination	Board of Engineer Malaysia	Malaysia	December 2019

Journal Reviewer/Editor

No	Name of Activity/Project/Program	Organiser	Place	Date
1.	Journal Reviewer	Journal of Composite Part (B)	International	2013
2.	Journal Reviewer	Engineering Failure Analysis	International	2013
3.	Journal Reviewer	Journal of Composite Part (B)	International	2013
4.	Advisory Board Member	International Journal of Modern Trends in Engineering and Science	India	December 2014
5.	Journal Reviewer	Applied Mechanics and Materials	International	2014
6.	Journal Reviewer	Modern Applied Science	International	2014

7.	Journal Reviewer	Pertanika: Journal Science and Technology	Malaysia	2015
8.	Editorial Member	International Journal on Engineering & Technology	Malaysia	2016
9.	Journal Reviewer	AIP Conference Proceeding	International	2017
10.	Journal Reviewer	Journal of Composite Structures	International	2017
11.	Journal Reviewer	Journal of Composite Part (B)	International	2018
12.	Journal Reviewer	Journal of Thermoplastic Composite Materials	International	2018
13.	Journal Reviewer	Aerospace Science and Technology	International	2018
14.	Journal Reviewer	Measurement	International	2018
15.	Journal Reviewer	Polymer Testing	International	2018
16.	Journal Reviewer	Journal of the Industrial Textile	International	2018
17.	Journal Reviewer	Process Safety and Environmental Protection	International	2019
18.	Journal Reviewer	Composites Communications	International	2019
19.	Journal Reviewer	International Journal of Mechanical Sciences	International	2019
20.	Journal Reviewer	Chemical Engineering Journal	International	2019
21.	Journal Reviewer	Journal of Materials Research and Technology	International	2019
22.	Journal Reviewer	Defence Technology	International	2019
23.	Journal Reviewer	Materials Today Communications	International	2019
24.	Journal Reviewer	Materials Today: Proceedings	International	2019
25.	Journal Reviewer	Composites Science and Technology	International	2019
26.	Journal Reviewer	Engineering Structures	International	2019
27.	Journal Reviewer	Mechanics of Materials	International	2019
28.	Journal Editor/Editor in Chief	Research on Engineering Structures and Materials	International	2019
29.	Journal Editor	International Journal of Recent Engineering and Technology	International	2019
30.	Journal Reviewer	Polymer Composites	International	May 2019
31.	Journal Reviewer	Journal of Reinforced Plastics and Composites	International	April 2019
32.	Journal Reviewer	Journal of Reinforced Plastics and Composites	International	Jun 2019
33.	Journal Reviewer	Journal of Composite Materials	International	Sept 2019
34.	Journal Reviewer	Journal of Engineered Fibre and Fabric	International	Nov 2019
35.	Journal Reviewer	Polymer Composites	International	Nov 2019
36.	Journal Reviewer	Polymer Composites	International	Nov 2019
37.	Journal Reviewer	Journal of Applied Polymer Science	International	Dec 2019
38.	Journal Reviewer	Polymer Composites	International	Jan 2020
39.	Journal Reviewer	Polymer Composites	International	Jan 2020
40.	Journal Reviewer	Journal of Reinforced Plastics and Composites	International	April 2020
41.	Journal Reviewer	Polymer Composites	International	May 2020
42.	Journal Reviewer	Solid State Sciences	International	June 2020
43.	Journal Reviewer	Engineering Structures	International	June 2020
44.	Journal Reviewer	Polymer Testing	International	July 2020
45.	Journal Reviewer	Journal of Nanomaterials	International	July 2020
46.	Journal Reviewer	SN Applied Sciences (SNAS)	International	July 2020
47.	Journal Reviewer	Polymer Testing	International	July 2020
48.	Journal Reviewer	Polymer Testing	International	July 2020
49.	Journal Reviewer	Progress in Organic Coatings	International	July 2020
50.	Journal Reviewer	Polymer Testing	International	July 2020
51.	Journal Reviewer	Ceramics International	International	July 2020
52.	Journal Reviewer	Polymer Testing	International	July 2020
53.	Journal Reviewer	Fibers and Polymer	International	July 2020

University

No.	Name of Activity/Project/Program	Organiser	Place	Date
1.	Pegawai Pemantau	Lawatan sambal belajar dan Singapore Airshow	UTM Skudai dan Changi Exhibition Centre, Singapura	14-16 Feb 2014
2.	Ahli Jawatan Kuasa Karnival Fakulti dan Hari Terbuka Projek Pelajar Tahun Akhir	Department of Aerospace Engineering, Faculty of Engineering	Universiti Putra Malaysia, UPM	5 June 2014
3.	Organizing Committee for MTS Lab Expert Seminar Series: Leveraging Material Testing for Academic Research	Department of Aerospace Engineering, Faculty of Engineering	Universiti Putra Malaysia, UPM	2 April 2014
4.	Ahli Jawatankuasa (AJK) <i>Materials Lecture Competition (MLC) 2015</i>	Department of Aerospace Engineering, Faculty of Engineering	Universiti Putra Malaysia, UPM	26 Feb 2015
5.	Pempamer sempena Sesi Jaringan Industri	Fakulti Kejuruteraan, UPM	Universiti Putra Malaysia, UPM	1 Dec 2015
6.	Ketua Pengawas Peperiksaan Semester Kedua 2015/2016	Fakulti Kejuruteraan, UPM	Universiti Putra Malaysia, UPM	13 June 2015-26 June 2016
7.	Deputy Technical Manager (Aerospace Structure Laboratory)	Fakulti Kejuruteraan, UPM	Universiti Putra Malaysia, UPM	18 Nov 2016-18 Nov 2019
8.	Approved Signatory (Aerospace Structure Laboratory)	Fakulti Kejuruteraan, UPM	Universiti Putra Malaysia, UPM	01 Sept 2016-01 Sept 2019
9.	Panel Penilai Geran Penyelidikan Peringkat Universiti for Skim Geran UPM dan ScienceFund	Universiti Putra Malaysia, UPM	Universiti Putra Malaysia, UPM	2016-2017
10.	Ketua Pengawas Peperiksaan Semester Kedua 2016/2017	Fakulti Kejuruteraan, UPM	Universiti Putra Malaysia, UPM	5 June 2017-18 June 2017

11.	Committee of Putra MOOC Malaysia	Universiti Putra Malaysia, UPM	Universiti Putra Malaysia, UPM	2017
12.	Panel penilai Fakulti Kejuruteraan	Fakulti Kejuruteraan, UPM	Universiti Putra Malaysia, UPM	25-29 Sept 2017
13.	Reviewer for INTROP Research Colloquium	Institut Perhutanan Tropika & Produk Hutan UPM	Universiti Putra Malaysia, UPM	2017
14.	Panel penilai Fakulti Kejuruteraan	Fakulti Kejuruteraan, UPM	Universiti Putra Malaysia, UPM	2018
15.	Committee of Centralize Equipment Management System (CEMS)	Universiti Putra Malaysia, UPM	Universiti Putra Malaysia, UPM	19 Nov 2018-19 Nov 2020
16.	Penceramah AEROFEST 2018	Universiti Putra Malaysia, UPM	Universiti Putra Malaysia, UPM	4 Nov 2018
17.	Deputy Technical Manager	Fakulti Kejuruteraan, UPM	Universiti Putra Malaysia, UPM	31 Jan 2018-31 Jan 2021
18.	Panel Penilai Geran Penyelidikan Peringkat Universiti	Universiti Putra Malaysia, UPM	Universiti Putra Malaysia, UPM	2018-2019
19.	Ahli Jawatankuasa Bebas Bagi Permohonan Naik Taraf MSc ke PhD	Institut Perhutanan Tropika & Produk Hutan UPM	Universiti Putra Malaysia, UPM	2019
20.	Ahli Jawatan kuasa Teknikal/Spesifikasi Laboratori Teknologi Biokomposit	Institut Perhutanan Tropika & Produk Hutan UPM	Universiti Putra Malaysia, UPM	2019
21.	Penyelaras Pembangunan Kursus Massive Open Online Courses (MOOCs) Malaysia	Universiti Putra Malaysia, UPM	Universiti Putra Malaysia, UPM	May 2019 – May 2020
22.	Ahli Jawatan Kuasa Kerja Jaringan Industri Peringkat Fakulti Kejuruteraan	Fakulti Kejuruteraan	Universiti Putra Malaysia, UPM	15 July 2019 – 15 July 2021
23.	Panel Penilai Bengkel Penilaian LKP & LAP Geran Putra Fakulti Kejuruteraan	Fakulti Kejuruteraan	Universiti Putra Malaysia, UPM	5 Aug – 9 Aug 2019

24.	Panel Penilai bagi Kursus EAS4901 – Latihan Industri Semester 2019/2020	Fakulti Kejuruteraan	Universiti Putra Malaysia, UPM	2019-2020
25.	Panel Penilai bagi Perbincangan Analisis untuk Pemantapan dan Integrasi Proposal FRGS 1/2019	Fakulti Kejuruteraan	Universiti Putra Malaysia, UPM	17 Oct 2019

Community

No.	Name of Activity/Project/Program	Organiser	Place	Date
1.	Khatib Khutbah Jumaat	Majlis Agama Islam Selangor	Madrasah ASSIRATUL MUSTAQEEM Jalan Reko, Kajang	2013
2.	Pakar Rujuk dan Penceramah Matematik	Natinal Blue Ocean Strategy (NBOS) – UMNO Cawangan Jalan Reko Kajang	Dewan Undangan Negeri Kajang (DUN N25) dan Dewan Undangan Negeri Bangi	5 Jan 2015 – 4 Jan 2018
3.	Perlantikan sebagai Khatib Jumaat dan Penceramah	Jabatan Agama Islam, Selangor	Madrasah Assiratul Mustaqeem, Jalan Reko, Kajang	2 Jan 2015 – 1 Jan 2018
4.	Rimbun Education Programme	Rimbun Capital	Universiti Putra Malaysia	2019
5.	Projek CSR – Sungai Angkat @ Parit DPLMX Jalan Enggang Kebun Baru, Kawasan Perindustrian Teluk Panglima Garang, Daerah Kuala Langat	Majlis Daerah Kuala Langat	Majlis Daerah Kuala Langat	Aug 2019

EAC / ETAC Accreditation Visit

No.	Name of Programme	Date of Visit	Role
1.	Bachelor of Engineering (Aerospace) (Honours)	22 – 23 Feb 2017 EAC	Observer
2.	Bachelor of Engineering with Honours (Mechanical Engineering)	17 – 18 May 2017 EAC	Panel
3.	(i) Bachelor of Mechanical Engineering Technology (Manufacturing) with Honours (ii) Bachelor of Civil Engineering Technology (Environment) with Honours (iii) Diploma in Civil Engineering (iv) Diploma in Electrical Engineering	24 – 25 Oct 2017 ETAC – Mock Visit	Head of Delegation
4.	(i) Bachelor of Mechanical Engineering Technology (Manufacturing) with Honours (ii) Bachelor of Civil Engineering Technology (Environment) with Honours	8 – 9 Nov 2017 ETAC – Actual Visit	Head of Delegation

- (iii) Diploma in Civil Engineering
- (iv) Diploma in Electrical Engineering

5.	Bachelor of Engineering (Honours) Mechanical Engineering	6 – 7 Dec 2017	Panel EAC
6.	Bachelor of Engineering Technology (Hons)	5 - 6 March 2018	Head of Panel ETAC
7.	Bachelor of Engineering (Mechanical Aeronautics)	2 -3 May 2018	Head of Panel EAC
8.	Bachelor of Engineering Mechanical Automotive (Honours)	2 - 3 Oct 2018	Head of Panel EAC
9.	Bachelor of Engineering (Honours) Mechanical Engineering	6 - 9 Nov 2018	Head of Panel
10.	Bachelor of Engineering (Hons) Mechatronics Engineering	18 - 20 March 2019	Head of Panel
11.	Diploma in Mechanical Engineering (INTI International College Penang)	24 - 25 April 2019	Head of Delegation
12.	Engineering Programme at Politeknik Banting	30 Sept – 3 Oct 2019	Head of Delegation
13.	Diploma in Aircraft Maintenance Engineering at Politeknik Banting	30 Sept – 2 Oct 2019	Evaluator Panel
14.	Politeknik Banting	01 – 02 Oktober 2019	Head of Delegation

CEng Interview (Professional Body) - IMechE

No.	Name of Candidate	Date of Interview	Principle Interviewer	Second Interviewer
1.	Dr Ahmad Baharuddin Abdullah Member No: 80339987	7 th June 2017	Ir. Mathew Thomas Member No: 69015306	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582
2.	Mr Benny KHOO Member No: 80336490	17 th Aug 2017	Ir. Mathew Thomas Member No: 69015306	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582
3.	Dr Firmansyah Member No: 80274466	17 th Aug 2017	Ir. Mathew Thomas Member No: 69015306	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582
4.	Mr Kung Chuang TING Member No: 80335534	28 th Aug 2017	Ir. Mathew Thomas Member No: 69015306	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582
5.	Mr Mohd Farid Aladdin Member No: 80358783	02 nd Oct 2017	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Rajkumar A/L Durairaj Member No: 80089055

6.	Dr Nazri Md Daud Member No: 80346972	02 nd Oct 2017	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Rajkumar A/L Durairaj Member No:: 80089055
7.	Mr Hsien Loong Teow Member No: 80152672	27 th Oct 2017	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Rajkumar A/L Durairaj Member No:: 80089055
8.	Mr Lukmon Owolabi Afolabi Member No: 80290430	27 th Oct 2017	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Rajkumar A/L Durairaj Member No:: 80089055
9.	Mrs Alizawati KAMALUL AZAM Member No: 80035626	17 th Nov 2017	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Rajkumar A/L Durairaj Member No:: 80089055
10.	Dr Abu Saleh AHMED Member No: 80358818	17 th Nov 2017	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Rajkumar A/L Durairaj Member No:: 80089055
11.	Dr Khairul TAMRIN Member No: 80062815	28 th Nov 2017	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Rajkumar A/L Durairaj Member No:: 80089055
12.	Dr Tezara CIONITA Member No: 80277515	28 th Nov 2017	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Rajkumar A/L Durairaj Member No:: 80089055
13.	Dr Nurulakmar Abu Husain Member No: 80290142	21 st March 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
14.	Dr Ahmad Kadri Junoh Member No: 80361426	21 st March 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
15.	Ms Lee Choo Tay Member No: 80368007	17 th April 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Dr. Chen Khin Fai Member No: 80125694

16.	Dr Muhammad Azizan Member No: 80335138	17 th April 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Dr. Chen Khin Fai Member No: 80125694
17.	Mr Sami Hajjaj Member No: 80325412	17 th April 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Dr. Chen Khin Fai Member No: 80125694
18.	Dr Hwai Chyuan ONG Member No: 80277361	05 th June 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
19.	Dr Mohd Ruzaimi Mat Rejab Member No: 80290949	05 th June 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
20.	Dr Mohd Asri Yusuff Member No: 80337602	30 th July 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
21.	Dr Mohd Razif Idris Member No: 80388197	30 th July 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
22.	Mr Vikneswaran Padasivam Member No: 80162855	21 st Aug 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
23.	Mr Zulfadli Ghani Member No: 80366178	21 st Aug 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
24.	Dr Nur Izan Syahriah Hussein Member No: 80350194	19 th Nov 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
25.	Dr Seri Rahayu Kamat Member No: 80351907	19 th Nov 2018	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110

26.	Mr Ahmad Danial Zulhilmi Bin AHMAD NAZARI Member No: 80389353	24 th Jan 2019	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
27.	Mr Boon Liang LOY Member No: 80354067	24 th Jan 2019	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
28.	Mr Sin Yen Ng Member No: 80407040	27 th May 2019	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
29.	Dr Wei Sea Chang Member No: 80344967	27 th May 2019	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Prof. Ir. Dr. Vinesh Thiruchelvam Member No: 80206110
30.	Dr Mohammed Abdulmalek Al-Dheeb	9 th October 2019	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Ir. Dr. Dr Sami Hajjaj Member No: 80325412
31.	Mr Chong Jin Lee Mr Chong Jin Lee	9 th October 2019	Associate Professor Ir. Dr. Mohamed Thariq Haji Hameed Sultan Member No: 80088582	Ir. Dr. Dr Sami Hajjaj Member No: 80325412