CURRICULUM VITAE (CV)

ASSOCIATE PROF. IR DR MOHD FATHULLAH BIN GHAZLI @ GHAZALI

Date of Birth: 14 December 1982

Current Position:

- ✓ **DEPUTY DEAN**, **(ACADEMIC AND RESEARCH),** School of Manufacturing Engineering, Pauh Putra Main Campus, Universiti Malaysia Perlis.
- ✓ **ASSOCIATE PROFESSOR**, School of Manufacturing Engineering, Pauh Putra Main Campus, Universiti Malaysia Perlis.

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	SCOPUS	GOOGLE SCHOLAR
H-Index	12	13
Total Publications	86	92
Total Citations	326	456

SCOPUS ID Website: http://tiny.cc/scopusfathullah
Author ID:54941292500

Google Scholar ID Website: http://tiny.cc/gscholarfathullah

EDUCATION BACKGROUND

1.	PhD in Material Processing (Phosphor for Displays and Lightings), Brunel University, UK	Year 2016
2.	M.Sc (with Distinction) in Manufacturing System Engineering, Coventry University, UK	Year 2007
3.	Bachelor (Hons.) of Engineering (Manufacturing), International Islamic University Malaysia, IIUM, Malaysia	Year 2006

PROFESSIONAL MEMBERSHIPS AND NGOs

1. Professional Engineer, Board of Engineers Malaysia (No. 18741)
2. Member Institute of Engineers (IEM), Malaysia(No. M 43839)
3. Member of the International Association of Engineers, (No. 110402)
4. Member of Malaysian Young Inventors Society (MyRIS - NGO) (Former Secretary Year 2017-2019)

PREVIOUS ADMINISTRATIVE POSITION

1. **Program Chairman** for Bachelor of Manufacturing Engineering (RK13), School of Manufacturing Engineering Session 2017-2019
2. **Final Year Project Coordinator**, School of Manufacturing Engineering (Session 2016)

INDUSTRIAL EXPERIENCES

1. Intel Malaysia Sdn Bhd, Penang, 2006, Working as Assembly Process Technology Development **Engineer**
2. Mediquip Covidien (M) Sdn Bhd, Perlis, 2009-2010, 2-year attachment solving issues of manufacturing processes of catheter products / redesign process.

TEACHING EXPERIENCES

MASTERS PROGRAM, for M.Sc in Manufacturing Sytems Engineering

1. Manufacturing Systems Analysis, (EPT 501), Semester 2, 2018
2. Manufacturing Systems Analysis, (EPT 501), Semester 1, 2017
3. Research Methodology, (EPT 504), Semester 1, 2016

UNDERGRADUATE PROGRAM, for Bachelor of Manufacturing Engineering

1. Manufacturing Process I, (EPT 182), Semester 2, 2018/19
1. Metrology and Quality Control, (EPT 385), Semester 1, 2018/2019
2. Manufacturing Process I, (EPT 182), Semester 2, 2017/18
3. Metrology and Quality Control, (EPT 385), Semester 1, 2017/2018
4. Industrial Engineering, (EPT 281), Semester 2, 2016/17
5. Lean Manufacturing, (EPT 484), Semester 1, 2016/17
6. Lean Manufacturing (EPT434), Semester 2, 2009/2010

DIPLOMA PROGRAMME, for Diploma in Manufacturing Engineering

1. Machine Design (DPT223) Semester 2, 2007/08
2. Industrial Safety & Quality Management (DPT333), Semester 1, 2008/2009
3. Manufacturing Process II (DPT213), Semester 2, 2008/2009
4. Industrial Safety & Quality Management (DPT333), Semester 1, 2009/2010
5. Industrial Safety & Quality Management (DPT333), Semester 1, 2010/2011

POSTGRADUATE SUPERVISIONS

1. PhD **(On Going)**, Mohd Shazzuan bin Sahari, Epoxy Reinforced Geopolymers as Fire Retardant Materials in Construction Applications **(Main – Supervisor)**
2. Masters by Research **(Completed 2019)**, Nur Syazwanie Binti Zailani, "Evaluation on Photoluminescence Properties of Red Phosphor for LED Applications". MSc in Manufacturing Engineering, **Main Supervisor**.
3. Masters by Research **(Completed 2010)**, Mohd Faizal bin Hamid, 2010, The Effects of Filler Components in Palm Oil Based Wax for Engineering Applications, **Co-Supervisor**
4. Masters by Mixed-Mode **(Completed 2018)**, Zaydoun Farhoud Jasim Jasim,Thesis: Evaluation of Surface Integrity in Turning Operations of Fly Ash Geopolymer Using Taguchi Method. Completed 2018. **Main Supervisor.**
5. Masters by Mixed-Mode **(Completed 2018)**, Nafea M F Elmansouri,Thesis: Evaluation on Power Consumption in Turning Operations using Taguchi Method. **Main Supervisor.**
6. Masters by Mixed-Mode **(Completed 2017)**, Muhammad Humaizi bin Talib, Thesis: Optimizing Warpage Using Response Surface Methodology, Genetic Algorithm and Glow worm Swarm Optimization on a Thin Plate Part in an Injection Moulding Process. **Main Supervisor**.
7. Masters by Mixed-Mode **(Completed 2017)**, Shazzuan bin Shahari, Thesis: Warpage Optimization on Side Arm using Surface Response Methodology (RSM). **Main Supervisor.**

UNDERGRADUATE SUPERVISIONS

1. Nur Ain bt Raimee, Matric No: 131120784 **(Academic Session 2016/2017)**
   Thesis title: Warpage Optimization on Mobile Phone Case by Optimizing Process Parameters Using Response Surface Methodology and Glowworm Swarm Optimization.
2. Norshah Safuan bin Mohd Faizal, Matric No: 131051647 **(Academic Session 2016/2017)**
   Thesis title: Warpage Improvement on Wheel Caster by Optimizing the Process Parameter using Response Surface Methodology.

3. Abdul Yasiin bin Mohd Sukri, Matric No: 141050754 **(Academic Session 2016/2017)**
   Thesis title: Warpage Optimization on Top Part of Optical Mouse by Optimizing the Process Parameters using Response Surface Methodology and Particle Swarm Optimization.
4. Nur Rayhana binti Mohamed Sultan, Matric No: 131052054 **(Academic Session 2016/2017)**
   Thesis title: Optimization on Process Parametersusing Response Surface Methodology and Particle Swarm Optimization in Manufacturing.
5. Sow Chy Khwang, Matric No: 141050845 **(Academic Session 2016/2017)**
   Thesis title: Warpage Optimization on Side Arm using Process using Glow Worm Optimization.
6. Lee Xin Ni, Matric No: 131120784 **(Academic Session 2016/2017)**
   Thesis title: Warpage Optimization on Mobile Phone Case by Optimizing Process Parameters using RSM and GSO.
7. Puteri Yong Fauziah bt Mohd Bukhori, Matric No: 141050837 **(Academic Session 2017/2018)**
   Thesis title: Tool wear Analysis on Fly Ash Geopolymer in Lathe Operation.
8. Nor Kamilah binti Othman, Matric No: 141050817 **(Academic Session 2017/2018)**
   Thesis title: Surface Roughness Analysis on Steel Fibre Fly Ash Geopolymer using CNC Milling Machine.
9. Tan Chun Yu, Matric No 151050899 **(Academic Session 2018/2019)**
   Thesis title: Surface Roughness Analysis on Rubberized Fibre Fly Ash Geopolymer using CNC Milling Machine.
10. Nazatul Binti Mohd Zain, Matric No 151050860 **(Academic Session 2018/2019)**
    Thesis title: Tool Wear Analysis on Rubberized Fly Ash Geopolymer using CNC Lathe Machine.
11. Abdullah Altaf Bin Paizun, Matric No: 151050814 **(Academic Session 2018/2019)**
    Thesis title: Tool Wear Analysis on Steel Fibre Fly Ash Geopolymer using CNC Lathe Machine.
12. Siti Norsyafikah Binti Zakaria, Matric No: 151050896 **(Academic Session 2018/2019)**
    Thesis title: Surface Roughness Analysis on Steel Fibre Fly Ash Geopolymer using CNC Lathe Machine.
13. Ooi Jin Ann, **(Academic Session 2007/2008)** Balancing and Optimization Using Simulation Modelling in A Healthcare Service
14. Mohd Shapudin Saidin, **(Academic Session 2007/2008)** Analysis On the Effect of Coconut Fiber On Paddy Husk Humidity,
15. Ng Siau Ling, **(Academic Session 2007/2008)** Design and Development of Lavatory Water Hose
16. Mohd Nazuan Izhan bin Abd Razak, **(Academic Session 2007/2008)** Manufacturing Improvement Through Lean Operation in an SMI Manufacturing Plant (A Case Study)
17. Boon Chee Keen, **(Academic Session 2008/2009)** Line Balancing at A Packing Process of Medical Products,
18. Noor Liyana Binti Mohd Zaib, **(Academic Session 2008/2009),** Development of Palm Fronds Powder Reinforced with Epoxy and Hardener for Labs Machining Purposes.
19. Mohd Anwar Arifin, **(Academic Session 2008/2009)** Machining Parameter Optimization for Reinforced Material of Palm Oil Fronds Powder in Machining Processes.
20. Marsitah Binti Mansor, **(Academic Session 2008/2009)** Design Improvement of Lumbar Support for Malaysia Compact Car User.
21. Hanifah Binti Mohd Hasbullah Bushro, **(Academic Session 2008/2009)** Low Cost Ergonomics Improvement in Small & Medium Enterprise (SME).
22. Ng Wen Yong, **(Academic Session 2009/2010)** A Study on the Effect of Graphite Mixture as Solid Lubricant Towards Machining Processes.
23. Ahmad Tarmizi Bin Abdullah, **(Academic Session 2009/2010)** A Study on the Effect of Different Composition of Molybdenum Disulfide Mixture as Solid Lubricant Towards Machining Process.
24. Abu Hatim bin Ibrahim, **(Academic Session 2009/2010)** A Study on the Effects of Molybdenum Disulfide Particle Size as Solid Lubricant On Machining Performance.

EXAMINER FOR POSTGARADUATE DEFENSE PROPOSAL / PRE-VIVA / VIVA-VOCE

1. **Examiner for PhD PRE-VIVA**
   Nurul Husna Bin Zakaria
   Title: Powder Processing of Polymer Ceramic Composite for Coronary Stent Applications
   Date: 18 July 2019 at School of Manufacturing Engineering
2. **Examiner for PhD Defense Proposal**
   Siti Mahfudzoh Zainal Abidin
   Title: Study on the Device Structure of Copper-Based Photovoltaic Devices with Graphene Layer for Effenciency Improvement
   Date: 11 October 2017 at School of Manufacturing Engineering
3. **Examiner for Masters Full Research Defense Proposal**
   Norshahira Roslan
   Title: Optimisation of the Shrinkage and Strenght of the Moulded Parts Produced by Polycarbonate/Acrylonitrile Buradiene Styrene (ABS) Recycle Material with Genetic Algorithms (GA) and Particle Swam Optimisation (PSO)
   Date: 26 July 2018 at School of Manufacturing Engineering
4. **Examiner for Masters by Mixed Mode Final VIVA**
   Masniza bt Yusof
   Title: Composite Material Manufacturing Process Improvement using Lean and Six-Sigma Techniques.
   Date: April 2018, School of Manufacturing Engineering
5. **Examiner for Masters by Mixed Mode Final VIVA**
   Nurul Hidayah Junaidi
   Title: Composite Material Manufacturing Process Improvement using Lean and Six-Sigma Techniques.
   Date: 19 June 2017 at School of Manufacturing Engineering

UNIVERSITY EXAMINER PANEL(S) (TEACHING ASSESSOR)

1. **Appointed as PAKAR KONTENT**
   Candidate: Dr Tan Chye Lih
   Date of Assessment: 5 March 2019
   Date of Assessment: 10:00 am- 12:00 afternoon
   Venue: BPU4, School of Manufacturing Engineering
   Teaching Course: Design for Manufacture (EPT 386)

RESEARCH GRANTTS ACQUIRED

1. **Co-researcher:** Fundamental Research Grantt Scheme (FRGS): Elucidation on the Correlation of Process Condition towards Phase Distribution of Recycled Polymers on Weld Line Spot. FRGS/1/2018/TK03/UNIMAP/02/3 Main Researcher: Ir Dr Shayfull Zamree bin Abd Rahim Penyelidik Bersama: Prof. Dr Safian Sharif (UTM), Associate Professor Dr Nik Noriman Bin Zulkepli (UniMAP), **Ir Dr. Mohd Fathullah Bin Ghazli @ Ghazali** (UniMAP) Amaun: RM 146,881.00: August 2018– July 2020
2. **Co-researcher:** Fundamental Research Grantt Scheme (FRGS): Synthesis and Luminescent characterization of minerals and rock specimens for persistence nanophosphor materials. FRGS/1/2018/STG07/UTM/01/1 Main Researcher: Pro. Dr Rosli Hussin (UTM) Penyelidik Bersama: Dr Wan Nurulhuda Wan Shamsuri (UTM), Dr Rosnita Binti Muhammad (UTM), **Ir Dr. Mohd Fathullah Bin Ghazli @ Ghazali** (UniMAP) Amaun: RM 104,000.00, June 2018– May 2020
3. **Main-Researcher:** Fundamental Research Grantt Scheme (FRGS): Photoluminescence properties of Lithium Europium Molybdate phosphor and its correlational effects with the crystal structure in the substitution of non-activating cations. Main Researcher: **Mohd Fathullah Bin Ghazli @ Ghazali** (UniMAP) Penyelidik Bersama: Prof. Dr

Rosli Hussin (UTM), Prof. Dr. Uda bin Hashim (UniMAP), Dr. Shayfull Zamree Bin Abd Rahim (UniMAP) Amaun: RM83,000: August 2016 – January 2019

4. **Co-researcher:** Industrial Grant: Design and Development Automated Rose Cookies (Kuih Loyang) Frying Machine for Al Ridhwee Holding (M) Sdn. Bhd. KPT, Public Private Research Network Grant (PPRN) 9024-00003, RM 44,310.00, Main Researcher: Ir. Dr. Shayfull Zamree Bin Abd Rahim (UniMAP), Co-Researcher(s) **: Ir Dr Mohd Fathullah Ghazali**, Ir Dr Sazli bin Saad, Ir Dr Ahmad Faizal bin Saleh. Duration: Disember 2018 - Jun 2019)
5. **Co-researcher:** Industrial Grant: Consultation on the Analysis of plastic material flow in injection molds and optimize the injection molding parameter National Special Grant: 9004-00036, Sponsored by : i-Zest Sdn. Bhd, Pulau Pinang. RM 15,000, Ketua Peyelidik: Shayfull Zamree Abd Rahim (UniMAP) & Mr Sim Kha Poh (i-Zest Sdn. Bhd.), Mohd Nasir Bin Mat Saad , Penyelidik Bersama (UniMAP), Prof. Dr Kamaruddin Hussin, Mohd Mustafa Al Bakri Abdullah, Mohamed Faisol Mohamed Nor, Mohd Hazwan Hussin**, Mohd Fathullah Ghazli@Ghazali**, Irfan Abd Rahim, Norshah Afizi Shuaib, April 2013 - April 2016
6. **Co-researcher:** Industrial Grant : Skill Development in Product Design Engineering Product Design, National Special Grant: 9004-00035, Sponsored by: Funfiek Technology Sdn. Bhd., Suite 22-25, Kulim Techno Center, RM10,000, Main Researcher: Shayfull Zamree Abd Rahim (UniMAP) & Mr Chin Chee Hui, Co-Researcher: Mohd Nasir Bin Mat Saad, Penyelidik Bersam, (UniMAP): , Prof. Dr Kamaruddin Hussin, Mohd Mustafa Al Bakri Abdullah, Mohamed Faisol Mohamed Nor, Mohd Hazwan Hussin, **Mohd Fathullah Ghazli@Ghazali**, Irfan Abd Rahim and Norshah Afizi Shuaib April 2013 - April 2016.
7. **Main-Researcher:** Seed Money 9014-00039, RM15,000, Universiti Malaysia Perlis (January 2016).
8. **Co-researcher:** Skill Development in Product Design Engineering, National Special Grant: 9004-00035, RM 30,000, April 2013 – April 2016. Main Researcher: Shayfull Zamree Bin Abd. Rahim, Co-Researchers: Mohd Nasir Mat Saad, Professor Dr. Kamaruddin Hussin, Mohd Mustafa Al Bakri Abdullah, Mohamed Faisol Bin Mohamed Nor, Mohd. Hazwan Hussin, Mohd. Fathullah Ghazli@Ghazali, Irfan Abd. Rahim, Norshah Afizi Shuaib.
9. **Co-researcher:** Consultancy on Analysis of Plastic Material Flow into Injection Molds and Optimize the Injection Molding Parameters, National Special Grant: 9004-00036, RM 35,000, April 2013 – April 2016. Main Researcher: Shayfull Zamree Bin Abd. Rahim, Researchers: Mohd Nasir Mat Saad, Professor Dr. Kamaruddin Hussin, Mohd Mustafa Al Bakri Abdullah, Mohamed Faisol Bin Mohamed Nor, Mohd. Hazwan Hussin, Mohd. Fathullah Ghazli@Ghazali, Irfan Abd. Rahim, Norshah Afizi Shuaib
10. **Main-researcher: Short term Grant:** Design Improvement of Side Arm Rejected Due To Burning Process. Scholarship: UniMAP (STG) 9001-00180. Amount Awarded: RM 15,000. Main Researcher: **En. Fathullah Ghazali.** Co-Researcher: En. Mohd Azaman Md Deros, En. Muhammad Farizuan Rosli, En. Shayfull Zamree Abd Rahim, En. Radhwan Hussin. Duration: 2009-2010.
11. **Co-researcher: Short Term Grant**: Preliminary Study Of Cement Mixture Using Waterfall Stone And Construction Waste Scholarship: UniMAP (STG) 9001-00183. Amount Awarded: RM 12,000. Main Researcher: Suhaimi bin Illias, Co-Researcher: En. Mohd Hatta bin Musa, En. Narzrezal bin Abd. Razak.**En. Fathullah Ghazali**. Duration: 1/8/2009 – 28/2/2011.
12. **Co-researcher: Short Term Grant**: Title: Effects of backpack's weight on primary school children", Asyraf Che Doi, School of Manufacturing Engineering, UniMAP. Amount Awarded: RM8,000, Duration: 2008-2009 (Co-researcher)
13. **Co-researcher: Short Term Grant**: Load – Varying Coefficient of Friction 3/4 A Deviation from the Amanton's of Friction, Amount Awarded: RM 12,000, Main Researcher: Dr. Khairul Azwan Ismail. Duration : 2009-2010. (Co-Researcher)

PUBLICATIONS

PUBLICATIONS (ISI INDEXED)

1. Potential of Conformal Cooling Channels in Rapid Heat Cycle Molding: A Review, Z Shayfull, S Sharif, AM Zain, MF Ghazali, RM Saad, Advances in Polymer Technology,33,(1). **Impact Factor 2.6, Q3 Cited 20 times**

PUBLICATIONS (SCOPUS)

1. Yu, Tan Chun, **M. Fathullah**, M. M. A. Abdullah, Z. Shayfull, and Faheem Tahir. "Parameter optimization on rubberized fly ash geopolymer in milling process in minimizing tool wear." In AIP Conference Proceedings, vol. 2129, no. 1, p. 020190. AIP Publishing, 2019.
2. Nabila, W. P. N., S. M. Nasir, **M. Fathullah**, N. A. Shuaib, and A. R. Irfan. "Optimization of warpage on plastic part by using response surface methodology (RSM)." In AIP Conference Proceedings, vol. 2129, no. 1, p. 020197. AIP Publishing, 2019.
3. Paizun, A. A., **M. Fathullah**, M. M. A. Abdullah, Z. Shayfull, and Faheem Tahir. "Surface roughness optimization on rubberized fly ash geopolymer in lathe operation using Taguchi method." In AIP Conference Proceedings, vol. 2129, no. 1, p. 020189. AIP Publishing, 2019.
4. Yu, Tan Chun, **M. Fathullah**, M. M. A. Abdullah, Z. Shayfull, and Faheem Tahir. "Tool wear evaluation on rubberized fly ash geopolymer milling." In AIP Conference Proceedings, vol. 2129, no. 1, p. 020185. AIP Publishing, 2019.
5. Norsyafikah, S., **M. Fathullah**, M. M. A. Abdullah, Z. Shayfull, and Faheem Tahir. "Surface integrity of rubberized geopolymer fly ash geopolymer in milling machining." In AIP Conference Proceedings, vol. 2129, no. 1, p. 020188. AIP Publishing, 2019.
6. Nabila, W. P. N., S. M. Nasir, S. M. Sazli, **M. Fathullah**, and A. R. Irfan. "Optimization of warpage on battery cover for hair clipper plastic part using response surface methodology (RSM) and firefly algorithm method (FA)." In AIP Conference Proceedings, vol. 2129, no. 1, p. 020201. AIP Publishing, 2019.
7. Sim, Y. S., S. M. Nasir, **M. Fathullah**, N. A. Shuaib, and M. H. M. Hazwan. "Warpage analysis of thick shell part (thickness above 2mm) by using response surface methodology (RSM) and glowworm swarm optimization (GSO)." In AIP Conference Proceedings, vol. 2129, no. 1, p. 020198. AIP Publishing, 2019.
8. Sim, Y. S., S. M. Nasir**, M. Fathullah**, A. R. Irfan, and M. H. M. Hazwan. "Warpage analysis of thick shell part (thickness above 2mm) by using response surface methodology (RSM) and genetic algorithm (GA)." In AIP Conference Proceedings, vol. 2129, no. 1, p. 020202. AIP Publishing, 2019.
9. Paizun, A. A., **M. Fathullah**, M. M. A. Abdullah, Z. Shayfull, and Faheem Tahir. "A short review on fly ash geopolymer machining: A large gap with bright potential for engineering applications." In AIP Conference Proceedings, vol. 2129, no. 1, p. 020184. AIP Publishing, 2019.
10. Xin, Tan Jia, Rosli Muhamad Farizuan, Hussin Radhwan, Z. Shayfull, and **M. Fathullah**. "Redesign of drone remote control using design for manufacturing and assembly (DFMA) method." In AIP Conference Proceedings, vol. 2129, no. 1, p. 020159. AIP Publishing, 2019.
11. Hadi, M. Abdul, **M. Fathullah**, S. Ismail, and MR Aliff Radzuan. "A recommender system for finding products from next door virtual manufacturer or supplier: A conceptual study." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020134. AIP Publishing, 2018.
12. Silver, Jack, Mohammed **M. Fathullah**, George R. Fern, Terry G. Ireland, and Roni Stone. "32-4: Potential Red Phosphors for LEDs: Replacing Eu^{3+} Activators in LiEu $(WO_4)_2$ with Al^{3+} Cations." In *SID Symposium Digest of Technical Papers*, vol. 49, no. 1, pp. 409-412. 2018.
13. Ilyas, M., S. M. Nasir, **M. Fathullah**, N. Z. Noriman, and M. H. M. Hazwan. "Warpage optimization on thick shell part (thickness below 2mm) by using response surface methodology (RSM)." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020158. AIP Publishing, 2018.

14. Humaizi, T. M., **M. Fathullah**, Z. Shayfull, S. M. Nasir, and M. Shazzuan. "Comparison between response surface methodology, genetic algorithm & glowworm swarm optimization in injection moulding process." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020068. AIP Publishing, 2018.
15. Arulmullai, R., S. M. Nasir, **M. Fathullah**, M. M. Rashidi, and N. Z. Noriman. "Warpage analysis on thin shell part using response surface methodology (RSM)." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020168. AIP Publishing, 2018.
16. Shanthakumar, R., S. M. Nasir, **M. Fathullah**, N. Z. Noriman, and M. M. Rashidi. "Optimisation of thin shell parts by using response surface methodology (RSM) method." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020164. AIP Publishing, 2018.
17. Sheng, Khoo Boon, S. M. Nasir, Z. Shayfull, and **M. Fathullah**. "Analysis on temperature distribution and efficiency of new electrical iron design." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020096. AIP Publishing, 2018.
18. Shanthakumar, R., S. M. Nasir, **M. Fathullah**, S. M. Sazli, and M. M. Rashidi. "Optimization of thin shell parts by using differential evolution (DE) method." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020160. AIP Publishing, 2018.
19. Illa, I. Nur, Tan Chan Sin, G. **M. Fathullah**, and A. Rosmaini. "Mathematical modeling of quality and productivity in industries: A review." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020126. AIP Publishing, 2018.
20. Syazwani, N., S. M. Nasir, **M. Fathullah**, M. H. M. Hazwan, and N. Z. Noriman. "Warpage optimization on thin shell part (below 2mm) using response surface methodology (RSM)." In AIP Conference Proceedings, vol. 2030, no. 1, p. 020162. AIP Publishing, 2018.
21. Syazwani, N., S. M. Nasir, **M. Fathullah**, N. Z. Noriman, and S. M. Sazli. "Warpage optimization on thin shell part (below 2mm) by using response surface methodology (RSM) and differential evolution (DE) approach." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020166. AIP Publishing, 2018.
22. Ch'ng, S. Q., S. M. Nasir, **M. Fathullah**, N. Z. Noriman, and M. H. M. Hazwan. "Warpage analysis on thick shell part using response surface methodology (RSM) to optimize parameter setting in injection molding process." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020167. AIP Publishing, 2018.
23. Ch'ng, S. Q., S. M. Nasir, **M. Fathullah**, N. Z. Noriman, and S. M. Sazli. "Warpage analysis on thick shell part using response surface methodology (RSM) and bat algorithm (BA) to optimize parameter setting in injection molding process." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020165. AIP Publishing, 2018. **Cited 1 time**
24. Kamilah, N., **M. Fathullah**, M. M. A. Abdullah, Meor Ahmad Faris, Faheem Tahir, Z. Shayfull, S. M. Nasir, M. Shazzuan, and A. Z. W. Wazien. "A review on surface integrity of steel fibre reinforced fly ash geopolymer using lathe operation." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020064. AIP Publishing, 2018. **Cited 10 times**
25. Kamilah, N., **M. Fathullah**, M. M. A. Abdullah, Meor Ahmad Faris, Faheem Tahir, Z. Shayfull, S. M. Nasir, M. Shazzuan, and A. Z. W. Wazien. "Surface integrity of steel fibre reinforced fly ash geopolymer in CNC lathe operation." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020065. AIP Publishing, 2018. **Cited 12 times**
26. Ilyas, M., S. M. Nasir, **M. Fathullah**, S. Sazli, and N. Z. Noriman. "Warpage optimisation on thick shell part (thickness below 2mm) by using bat algorithm (BA)." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020161. AIP Publishing, 2018.
27. Arulmullai, R., S. M. Nasir, **M. Fathullah**, S. M. Sazli, and N. Z. Noriman. "Optimization of thin shell parts by using firefly algorithm (FA) method." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020157. AIP Publishing, 2018.
28. Fauziah, P. Y., **M. Fathullah**, M. M. A. Abdullah, Meor Ahmad Faris, Faheem Tahir, Z. Shayfull, S. M. Nasir, Tan Chye Lih, and A. Z. W. Wazien. "A review on cutting tool wear in the machining of fly ash geopolymer." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020066. AIP Publishing, 2018. **Cited 9 times**
29. Fauziah, P. Y**., M. Fathullah**, M. M. A. Abdullah, Meor Ahmad Faris, Faheem Tahir, Z. Shayfull, S. M. Nasir, M. Shazzuan, and A. Z. W. Wazien. "Cutting tool wear optimization in the machining of fly ash geopolymer using Taguchi method." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020067. AIP Publishing, 2018. **Cited 12 times**
30. Ismail, Azimah, N. A. Faris, Z. Shayfull, and **M. Fathullah**. "The effect of eco-degradant on properties corn stalk filled low density polyethylene biocomposites." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020077. AIP Publishing, 2018.
31. Almansouri, N**., M. Fathullah**, Azwan Iskandar Azmi, M. Shazzuan, Z. Shayfull, S. M. Nasir, Roshaliza Hamidon, and M. A. M. Ali. "Analysis on power measurement using data logger and dynamometer in turning operation." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020063. AIP Publishing, 2018.
32. Hidayah, M. H. N., Z. Shayfull, N. Z. Noriman, **M. Fathullah**, R. Norshahira, and A. T. N. A. Miza. "Optimization of warpage on plastic part by using response surface methodology (RSM)." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020155. AIP Publishing, 2018.

33. Rahman, N. R. A., Z. Hamzah, M. H. M. Haris, N. A. Faris, Z. Shayfull, and **M. Fathullah**. "A parameter study of plastic injection moulding process on polypropylene material for USB clip." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020076. AIP Publishing, 2018.
34. Hidayah, M. H. N., Z. Shayfull, N. Z. Noriman, **M. Fathullah**, R. Norshahira, and A. T. N. A. Miza. "Optimization of warpage on plastic part by using genetic algorithm (GA)." In *AIP Conference Proceedings*, vol. 2030, no. 1, p. 020163. AIP Publishing, 2018.
35. Zailani, N. S., **M. F. Ghazli**, R. Hussin, SZ Abd Rahim, and MN Mat Saad. "Synthesis and Luminescent Properties of $LiEu_{(0.50-x)}$ $Gd_{0.\ 50}$ $(WO_4)_2Sm_x$ Red Phosphor." In IOP Conference Series: Materials Science and Engineering, vol. 374, no. 1, p. 012026. IOP Publishing, 2018.
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PUBLICATIONS (NON-SCOPUS INDEX)

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2. NA Shuaib, **MF Ghazali**, Z Shayfull, MZM Zain, SM Nasir, Warpage factors effectiveness of a thin shallow injection-molded part using Taguchi method, International Journals of Engineering & Technology 11 (01), 2077-1185, 2011.
3. **MF Ghazali**, Z Shayfull, NA Shuaib, SM Nasir, MM Salleh , Injection Mould Analysis in Reducing Warpage of Nylon PA66 Side Arms Using Taguchi Method and ANOVA, Journal International Journal of Basic & Applied Sciences IJBAS-IJENS, 11(1), 87-92, 2011.
4. Z Shayfull, NA Shuaib, **MF Ghazali**, SM Nasir, Z Nooraizedfiza, Optimizing length of weld line formation in thin plate by taguchi method and analysis of variance (ANOVA), International Journals of Engineering & Technology 11 (01), 2077-1185, 2011.
5. Z Shayfull, **M Fathullah**, NA Shuaib, SM Nasir, Design and Development of Dried Chilies Seed Separating Machine, International Journal of Basic and Applied Sciences 11 (05), 7-10, 2011
6. **MF Ghazali**, M Mat Salleh, N Zainon, S Zakaria, CDM Asyraf, RULA and REBA Assessments in Computer Laboratories, National Symposium on Advancements in Ergonomic and Safety. Perlis, Malaysia, 1,2, 146-149, 2009
7. **MF Ghazali**, Z Shayfull, MD Azaman, NA Shuaib, MSA Manan, Introduction of Nylon-66 on Side Arm in a Catheter Manufacturing Process, International Journal of Engineering & Technology IJET/IJENS 10 (06), 112-116, 2010

BOOK (PUBLICATIONS)

1. Shayfull Zamree Abd Rahim, **Mohd Fathullah Ghazali**, Mohd Nasir Mat Saad, Mohd Sabri Hussin & Norshah Afizi Shuaib, 2013, "Inovasi Produk – Tips dan Panduan", Penerbit UniMAP, ISBN 978-967-5415-63-0.
2. Amarul Talip, Mohd Sazli Saad, Irfan Abdul Rahim**, Mohd Fathullah Ghazli@Ghazali**, Mohd Khairul Fadzly Abu Bakar & Nur Ismalina Haris , @ Asas Teknologi Elektrik Untuk Pelajar Mekanikal" Penerbit UniMAP, ISBN 978-967-0922-09-6
3. Amarul Talip, Mohd Sazli Saad, **Mohd Fathullah Ghazli** & Nur Ismalina Haris, "Elektronik Asas untuk Pelajar Mekanikal" Penerbit UniMAP, ISBN 978-967-0922-04-1
4. Mohd Mustafa Al-Bakri Abdullah, Shayfull Zamree Bin Abd. Rahim, Mohd Nasir Bin Mat Saad, **Mohd Fathullah bin Ghazli**, Romisuhani Ahmad, Muhammad Faheem Bin Mohd Tahir and Liyana Binti Jamaludin, 4th International Conference on Green Design and Manufacture 2018 (IConGDM 2018), ISBN: 978-0-7354-1752-6, AIP Publishing 2018.
5. Mohd. Mustafa Albakri Abdullah, Muhammad Mahyiddin Ramli, Shayfull Zamree Abd Rahim, Siti Salwa Mat Isa, Mohd Nasir Mat Saad, Rizalafande Che Ismail and **Mohd Fathullah Ghazli**, 3rd Electronic And Green Materials International Conference 2017 (EGM 2017), ISBN: 9780735415652, AIP Publishing 2017.
6. **Advanced Materials Engineering and Technology V**, Mohd Mustafa Al Bakri Abdullah, Shayfull Zamree Abd Rahim, **Mohd Fathullah Ghazali,** Muhammad Faheem Mohd Tahir, Heah Cheng Yong and Romisuhani Ahmad, ISBN: 9780735415058, Volume 1, AIP Publishing, 2016.
7. **Proceedings of the 2nd International Conference on Green Design and Manufacture 2016**, S. Sharif, M.M.A.B. Abdullah, S.Z. Abd Rahim, **M.F. Ghazali**, N. Mat Saad, M.M. Ramli, S.A. Zainol Murad and S.S. Mat Isa, Volume 78, EDP Sciences, 2016.

PATENTS FILED

Paten Filing: A DE-SEEDING APPARATUS (Pintas ref: PT/3729/Unimap/11,
UniMAP ref: Unimap/PPKPHI/HI/PDPF(02)(2011)-1)
PatenT Application Number :PI 2011700184
Main Applicant: Shayfull Zamree Abd. Rahim
Co-Applicant: 1. **Mohd Fathullah Ghazli @ Ghazali**
2. Norshah Afizi Shuaib
3. Mohd. Nasir Bin Mat Saad
4. Radhwan Hussin
5. Muhamad Farizuan Rosli.

ACADEMIC AWARDS AND RECOGNITIONS

ACADEMIC AWARD

1. **Excellent Service Award 2017**, Anugerah Seri Gemilang University Malaysia Perlis 2018, Hotel Seri Malaysia, Kangar, Perlis.

ACADEMIC EXPERTISE RECOGNITIONS

1. **Keynote Speaker**, International Guest Lecture and Workshop on *How to Publish in High Impact Journals*, State University of Malang, Indonesia. 12 September 2019.
2. **Invited Speaker,** for the World Class Professor Workshop, Sepuluh Nopember Institute of Technology (ITS), Indonesia, 9 - 13 September 2019.
3. **ETAC Panel**, Engineering Technology Accreditation Council (ETAC), for Accreditation Assessment of Diploma in Mechanical Engineering (Manufacturing), Polytechnic Seberang Perai, 22-25 September 2019.
4. **Panel of Evaluators** for Internal Audit Evaluation in preparation for receiving the EAC (New Cycle) audit for the Bachelor of Engineering (Mechanical Engineering) Program, University Malaysia Perlis, 13 September 2018.
5. **Committee Members** in a Consultancy for Funfiek Technology Sdn Bhd on Skill Development in Product Design Engineering, National Special Grant: 9004-00035, RM 30,000, April 2013 – April 2016, **Co Researcher**.
6. **Committee Members** in a Consultancy for i-Zest Sdn Bhd on Analysis of Plastic Material Flow into Injection Molds and Optimize the Injection Molding Parameters, National Special Grant: 9004-00036. Amount: RM 35,000, Duration: April 2013 – April 2016, **Co Researcher**.

JOURNAL/ PROCEEDING REVIEWER

1. Flocculation Performance Of Fine Particles In Travertine Slime Suspension, Journal Of Applied Polymer Science, ISSN: 0021-8995. Author: Eyup SABAH, John Wiley & Sons (United States) **Impact Factor: 1.90, Q2,**
2. Removal of Brilliant Green Dye from Aqueous Solution by Electrocoagulation Using Response Surface Methodology , Materials Today: Proceedings, Author(s) Ghufran. K. Mariaha,* and Kamal. S. Pakb, **Elsevier**, ISSN 00002014,
3. Azduwin, K., and M. A. Ahmad. "Process optimization of Hevea brasiliensis sawdust based activated carbon using response surface methodology for remazol brilliant violet 5R adsorption." In AIP Conference Proceedings, vol. 2030, no. 1, p. 020079. AIP Publishing, 2018. **SCOPUS**
4. Razak, N. A., Nasri A. Hamid, and Abdul Razak Shaari. "Effect of Vacuum and Non-Vacuum Packaging on Total Phenolic Content of Encapsulated Orthosiphon stamineus Spray-Dried Powder during Storage." In *Solid State Phenomena*, vol. 280, pp. 330-334. Trans Tech Publications, 2018. **SCOPUS**
5. Abdullah, M. A., MFF Ab Rashid, Z. Ghazalli, NMZ Nik Mohamed, and AN Mohd Rose. "Modelling of assembly sequence planning problem using base part concept." In AIP Conference Proceedings, vol. 2030, no. 1, p. 020013. AIP Publishing, 2018. **SCOPUS**
6. Razak, N. A., I. A. Jazlan, A. R. Shaari, and L. Y. Leng. "Modelling moisture sorption isotherms for Orthosiphon stamineus spray-dried powder." In AIP Conference Proceedings, vol. 2030, no. 1, p. 020011. AIP Publishing, 2018. **SCOPUS**
7. IConGDM 2018: 024-016 entitled "A Dynamic Model of Micro-parts on a Saw-tooth Surface with the Roughness Effect"." In AIP Conference Proceedings, vol. 2030, no. 1 . AIP Publishing, 2018 **SCOPUS**
8. Rosnan, Rosmahidayu, Azwan Iskandar Azmi, and Muhamad Nasir Murad. "Effects of Cutting Parameters on Tool Wear and Thrust Force in Drilling Nickel-Titanium (NiTi) Alloys Using Coated and Uncoated Carbide Tools." In Key Engineering Materials, vol. 791, pp. 111-115. Trans Tech Publications, 2018.. **SCOPUS**

UNIVERSITY RECOGNITION AWARDS

1. **Anugerah Kecemerlangan Penyelidikan UniMAP 2016**, Anugerah Seri Gemilang UniMAP, 2016 Due to the success on Research Project New Intelligent of Fire Alarm System, 29 Mac 2016, Universiti Malaysia Perlis.
2. **Anugerah Kecemerlangan Penyelidikan UniMAP 2015**, Anugerah Seri Gemilang UniMAP, 2015 Due to the success on Research Project Novel Red Phosphor for LEDs and Displays, 24 Mac 2015, Universiti Malaysia Perlis.
3. **Anugerah Kecemerlangan Penyelidikan UniMAP 2011**, Due to the success on Research Project: Dried Chili Seed Saparating Machine, Malaysia Technology Expo (MTE) 2011.
4. **Anugerah Kecemerlangan Penyelidikan UniMAP 2011**, Due to the success on Research Project: Dried Chili Seed Saparating Machine, INOVA 2011, 36th International Invention Show, Zagreb, Crotia.
5. **Anugerah Kecemerlangan Penyelidikan UniMAP 2011**, Due to the success on Research Project: New Discovery Design of Side Arm for Catheters Manufacturing Process, Seoul International Invention Fair (SIFF 2011).
6. **Anugerah Kecemerlangan Penyelidikan UniMAP 2011**, Due to the success on Research Project: Kapok Seed Saparating Machine, Invention, Innovation & Technology Exhibition (ITEX) 2011.
7. **Anugerah Kecemerlangan Penyelidikan UniMAP 2010** Due to the success on Research Project: New Discovery Method of Manufacturing Catheters, Invention, Innovation & Technology Exhibition (ITEX), 2010.

SPECIAL AWARDS (OVERSEAS)

1. **Special Award from Association of Thailand Innovation,** New Discovery of Sm^{3+} in Reducing Cost for Red Phosphor in White LED Applications, European Exhibition of Creativity and Innovation (EUROINVENT) 2018, Iasi, Romania. **(Main-Researcher)**
2. **Special Award from Chinese Innovation & Invention Society - Taiwan (CIIS)**, New Design of Milled Groove Square Shape Conformal Cooling Channels in Injection Molding Process, International Warsaw Invention Show (IWIS) 2013, Warsaw, Poland. **(Co-Researcher)**
3. **Special Award from Korea Invention News**, New Design of Milled Groove Square Shape Conformal Cooling Channels in Injection Molding Process, International Warsaw Invention Show (IWIS) 2013, Warsaw, Poland. **(Co-Researcher)**
4. **Special Award from Korea Invention News**, Gas Leakage Precaution System, International Warsaw Invention Show (IWIS) 2013, Warsaw, Poland. **(Co-Researcher)**
5. **Special Prize from International Club Archimedes**, Roadside Wind & Pressure Energy Harvester, 17th Moscow International Salon of Inventions and Innovation Technologies 2014, Moscow, Russia, 2014. **(Co-Researcher)**
6. **Award of Excellence**, Potential Technique of improving the part quality using natural fiber and geopolymer composites and AI for the injection moulding process, Lebanese Innovators Society, 2nd World Invention and Innovation Forum (WIIF) 2017, Foshan, China. **(Co-Researcher)**
7. **A Special Award** on New Discovery Coating of Red Phosphor for Lighting Application, The 9th International Warsaw Invention Show (IWIS 2015) University Warsaw, Poland, 12-14 October 2015. **(Main researcher)**
8. **A Special award** oleh Universitatea Tehnica a Moldovei, Ministerul Educatiei. "Novel Red Phosphors for LEDs and Displays", 6th European Exhibition Of Creativity And Innovation, 22-24 Mei 2014, Iasi, Romania. **(Main researcher)**
9. **Best Award,** Turkish Patent Institute, Fruit Wrapping & Harvesting Device, Korea International Women's Invention Exposition 2013. **(Co-Researcher)**
10. **Special Award from Chinese Innovation & Invention Society - TAIWAN (CIIS)**, New Design of Milled Groove Square Shape Conformal Cooling Channels in Injection Molding Process, International Warsaw Invention Show IWIS 2013 at Warsaw Poland. **(Co-Researcher)**
11. **Special Award ITEX 2010: Best Invention Award**, Title of Project: "New Discovery Method of Manufacturing Catheters", oleh Persian Gulf Sea City dari Iran, pada 21st International Invention, Innovation and Technology Exhibition, ITEX 2010 **(Main Researcher)**
1. **Grand Award MTE2011**, Asian Invention Association for Chili Seed Saparator Machine pada Malaysia Technology **(Co-Researcher)**
2. **Gold Medal**, 21 st International Invention, Innovation and technology Exhibition (ITEX2010), Research Title: New Discovery Method of Manufacturing Catheters. 15 May 2010 **(Main Researcher)**

3. **Silver** Medal, Invention, Innovation & Design (IID Kedah) 2010, Project Title: New Discovery Method of Manufacturing Catheters, 28 July 2010 **(Main Researcher)**
4. **Silver** Medal, UniMAP Exhibition 2009. Project Title: Design Improvement of Side Arm Rejected due to Burning Process. December 2009 **(Main Researcher)**

GOLD MEDALS (As Main Researcher)

1. "Samarium (III) as Synthesizer in Red Phosphor for LED Applications", European Exhibition of Creativity And Innovation (EUROINVENT), Iasi, Romania 17-19 May 2018
2. New Discovery Coating of Red Phosphor for Lighting Application, The 9th International Warsaw Invention Show (IWIS 2015) University Warsaw, Poland, 12-14 October 2015.
3. "Novel Red Phosphors for LEDs and Displays", 1 Gold medal, 6th EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, 22-24 Mei 2014 di Iasi, Romania
4. New Discovery Method of Manufacturing Catheters, Pingat Emas, Invention, Innovation & Technology Exhibition (ITEX) 2010. Main Researcher: En. Mohd Fathullah Ghazli@Ghazali, Co-Researcher: En. Shayfull Zamree Abd Rahim, En. Mohd Azaman Md Deros, En. Muhamad Farizuan Rosli, En. Radhwan Hussin

GOLD MEDALS (As Co-Researcher)

1. Seri Perlis Motorcycle, The 30th International Invention, Innovation & Technology Exhibition 2019, ITEX 2019, Kuala Lumpur. Main researcher: Assoc. Prof. Dr Shahriman bin Abu Bakar.
2. Multi-Objective Optimization of Plastic Injection Molding Process, The 17th Moscow International Salon of Inventions and Innovation Technologies «Archimedes» Moscow, Russia pada 31 Mac-4 April 2014, Main Researcher: Mohd Nasir Mat Saad
3. New Design of Milled Groove Square Shape Conformal Cooling Channels in Injection Molding Process, International Warsaw Invention Show IWIS 2013 at Warsaw Poland. Shayfull Zamree Bin Abd. Rahim, Prof Safian Sharif, Dr Azlan Mohd Zain, Rozaimi Md Saad, Mohd. Fathullah Ghazali
4. Dried Chili Seed Saparator Machine, Pingat Emas, Malaysia Technology Expo (MTE) 2011. Main Researcher: En. Shayfull Zamree Abd Rahim, Co-Researcher: En Radhwan Hussin, En. Norshah Afizi Shuaib, En. Muhamad Farizuan Rosli, En. Mohd Fathullah Ghazali.
5. Kapok Seed Saparating Machine, Pingat Emas, Ekspo Penyelidikan dan Inovasi UniMAP, 2010. Main Researcher: En. Radhwan Hussin. Co-Researcher: En. Shayfull Zamree Abd Rahim, En.Muhamad Farizuan Rosli, En.Norshah Afizi Shuaib, En. Mohd Fathullah Ghazali.

SILVER MEDALS (As Main Researcher)

1. New Discovery Method of Manufacturing Catheters, Pingat Perak, Ekspo Penyelidikan dan Inovasi UniMAP 2009. Main Researcher: En. Mohd Fathullah Ghazli@Ghazali, Co-Researcher: En. Shayfull Zamree Abd Rahim, En. Mohd Azaman Md Deros, En. Muhamad Farizuan Rosli, En. Radhwan Hussin
2. New Discovery Method of Manufacturing Catheter, Pingat Perak, Invention, Innovation & Design (IID) 2010, UiTM Kedah, Main Researcher: En. Mohd Fathullah Ghazli@Ghazali, Co-Researcher: En. Shayfull Zamree Abd Rahim, En Radhwan Hussin, En. Muhamad Farizuan Rosli.
3. New Discovery Design of Side Arm for Catheters Manufacturing Process, Pingat Perak, Seoul International Invention Fair (SIFF 2011), Main Researcher: En. Mohd Fathullah Ghazli@Ghazali*, Co-Researcher: En. Norshafizi Shuaib*, En. Shayfull Zamree Abd Rahim, En. Muhamad Farizuan Rosli, En. Radhwan Hussin.

SILVER MEDALS (As Co-Researcher)

1. New Intelligent of Fire Alarm System, The 9th International Warsaw Invention Show (IWIS 2015) University Warsaw, Poland, 12-14 October 2015, Main Researcher : Muhamad Farizuan Rosli
2. APRe-iGate for RF, The 9th International Warsaw Invention Show (IWIS 2015) University Warsaw, Poland, 12-14 October 2015, Main Researcher: Amarul bin Talip
3. APRS Igate USING FOR AMATEUR RADIO, 6th EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, 22-24 Mei 2014 di Iasi, Romania, Main Researcher: Amarul bin Talip
4. Fruits Wrapping & Harvesting Device, BioMalaysia & Bioeconomy Asia Pacific 2013. Main Researcher: Mohd Nasir Mat Saad, Researchers: Norshah Afizi Shuaib, Shayfull Zamree Bin Abd. Rahim, Mohd. Fathullah Ghazli@Ghazali, Muhamad Farizuan Rosli, Mohd. Hazwan Hussin

5. Fruit Wrapping & Harvesting Device, Korea International Women's Invention Exposition 2013. Main Researcher: Nooraizedfiza Zainon, Co-Researchers: Mohd Nasir Mat Saad, Norshah Afizi Shuaib, Shayfull Zamree Bin Abd. Rahim, Mohd. Fathullah Ghazli@Ghazali, Muhamad Farizuan Rosli, Mohd. Hazwan Hussin
6. Silver Medal, Gas Leakage Precaution System, International Warsaw Invention Show IWIS 2013 at Warsaw Poland. Main Researcher: Mohd. Hazwan Hussin Co-Researchers: Shayfull Zamree Bin Abd. Rahim, Mohd Nasir Mat Saad, Norshah Afizi Shuaib, Mohd. Fathullah Ghazli@Ghazali, Muhamad Farizuan Rosli
7. Chili Seed Saparator Machine, Pingat Perak, Ekspo Penyelidikan dan Inovasi UniMAP, 2010. Main Researcher: En. Shayfull Zamree Abd Rahim, Co-Researcher: En Radhwan Hussin, En. Norshah Afizi Shuaib, En. Muhamad Farizuan Rosli, En. Mohd Fathullah Ghazali.
8. Kapok Seed Saparating Machine, Pingat Perak, Invention, Innovation & Technology Exhibition (ITEX) 2011. Main Researcher: En. Radhwan Hussin, Co-Researcher: En. Shayfull Zamree Abd Rahim, En. Mohd Fathullah Ghazali,En. Muhamad Farizuan Rosli, En. Norshah Afizi Shuaib,
9. Fruits Wrapping Device, Pingat Perak, Invention, Innovation & Technology Exhibition (ITEX) 2012. Main Researcher: En. Mohd Nasir Mat Saat, Co-Researcher: En. Norshahafizi Shuaib, En. Shayfull Zamree Abd Rahim, En. Mohd Fathullah Ghazali, En. Radhwan Hussin, En. Muhamad Farizuan Rosli, En. Mohd. Hazwan Hussin.

BRONZE MEDALS (As Main Researcher)

1. Peanut Skin Saparator Machine, Pingat Gangsa, Ekspo Penyelidikan dan Inovasi UniMAP, 2010.

Main Researcher: En. Mohd Fathullah Ghazli@Ghazali, Co-Researcher: En. Shayfull Zamree Abd Rahim, En. Muhamad Farizuan Rosli, En. Sabri Hussin, En. Radhwan Hussin.

BRONZE MEDALS (As Co Researcher)

1. Bronze Medal, Gas Leakage Precaution, Expo Rekacipta dan Penyelidikan UniMAP 2013. Main Researcher: Mohd. Hazwan Hussin Researchers: Shayfull Zamree Bin Abd. Rahim, Mohd Nasir Mat Saad, Norshah Afizi Shuaib, Mohd. Fathullah Ghazli@Ghazali, Muhamad Farizuan Rosli
2. Portable Rice Polishing Machine, Pingat Gangsa, Ekspo Penyelidikan dan Inovasi UniMAP, 2010. Main Researcher: En. Shayfull Zamree Abd Rahim, Co-Researcher: En Radhwan Hussin, En. Muhamad Farizuan Rosli, En. Mohd Sabri Hussin, En. Mohd Fathullah Ghazli@Ghazali.
3. Manggo Wrapping Device, Pingat Gangsa, Ekspo Penyelidikan dan Inovasi UniMAP, 2011. Main Researcher: En. Mohd Nasir Mat Saad, Co-Researcher: En. Norshahafizi Shuaib, En. Shayfull Zamree Abd Rahim, En. Mohd Fathullah Ghazali, En. Muhamad Farizuan Rosli, En. Mohd. Hazwan Hussin.
4. Shrimp Paste Extruding Machine, Pingat Gangsa, Ekspo Penyelidikan dan Inovasi UniMAP, 2011. Main Researcher: En. Norshahafizi Shuaib, Co-Researcher: En. Mohd Nasir Mat Saad, En. Shayfull Zamree Abd Rahim, En. Mohd Fathullah Ghazali, En. Radhwan Hussin, En. Muhamad Farizuan Rosli, Pn. Siti Aishah Adam, En. Mohd. Hazwan Hussin.
5. Dried Chili Seeds Separating Machine, Pingat Gangsa, INOVA 2011, 36th International Invention Show, Zagreb, Crotia. Main Researcher: En. Shayfull Zamree Abd Rahim, Co-Researcher: En. Mohd Fathullah Ghazli@Ghazali, En. Norshah Afizi Shuaib, En. Muhamad Farizuan Rosli, En Radhwan Hussin.

CONSULTATION AND COMMUNITY SERVICES

1. Invited **Speaker**, Enhancement on TVET MARA: IR4.0, Institut Kemahiran MARA Sik, Kedah, 01 August 2019.
2. Secretary for NGOs, Persatuan Penyelidikan dan Inovasi Malaysia (MyRIS), for full term 2017/2018 – 2018/2019 (Until April 2019)
3. **Special Advisor** for an Innovation Project for Pupils of Sek Ren Islam Al-Azhar, Jitra in participating in International Innovation, Creativity and Technology Exhibition2019 (I2CReaTE 2019), 12-14 April 2019, Seri Pacific Hotel, Kuala Lumpur, Malaysia. Sek Ren Islam Al-Azhar was awarded **gold medal** for the product competed.
4. **Jury**, Innovation Competition, PRiSm' 19 IPG Kampus Darul Aman, Dewan Besar, Institut Pendidikan Guru Kampus Darulaman (IPGKDA), 22-23 July 2019
5. **Committee Member**, International Innovation, Creativity and Technology Exhibition2019 (I2CReaTE 2019), 12-14 April 2019, Seri Pacific Hotel, Kuala Lumpur, Malaysia.
6. **Jury**, International Engineering Invention Innovation Exhibition (i-ENVEX) 2018.

7. **Jury**, Integrated Design Project (IDP) Day 2018, School of Mechatronic Engineering, 24 May 2018.
8. **Jury**, Innovation & Exhibition Competition (BOS 2018), Peringkat Kebangsaan, Institut Pendidikan Guru Kampus Darul Aman (IPDA), 16-17 July 2018.
9. **Invited Speaker**, Talk how to Register as Graduate Engineer / Professional Engineer for Engineering Degree graduated (Staff), Politeknik Sultan Abdul Halim Mu'adzam Shah (POLIMAS), 20 September 2018.
10. **Facilitator**, Innovation Program, Innovation & Robotics Club, Sekolah Kebangsaan Kayang, Perlis, 19 January 2017.
11. **Committee Member**, 1st Innovation Design & Research International Symposium 2017 (IDRIS 2017), 23-25 April 2017, Silka May Tower, Kuala Lumpur, Malaysia.
12. **Jury**, Innovation Design Research International Symposium (IDRIS) 2018, Silka Maytower Hotel Kuala Lumpur, 23-25 April 2017.
13. **Jury**, Innovation & Exhibition Competition (BOS 2017), Peringkat Kebangsaan, Institut Pendidikan Guru Kampus Darul Aman (IPDA), 03-04 July 2017.
14. **Jury**, Innovation Competition, Kolej Komuniti Wilayah Utara (PERTIWI) 2017, Kolej Komuniti Padang Terap, Kedah, 20 September 2017.
15. Invited **Speaker**, Workshop & Innovation Competition, Sekolah Rendah Agama Attarbiyah Al-Islamiyah – Sraati, Perlis, 08 November 2017.
16. **Facilitator**, Innovation & Robotics Camp (ADVANCE) and Creativity & Innovation Competition (CIC), 2017.
17. **Consultancy for Funfiek Technology Sdn Bhd** on Skill Development in Product Design Engineering, National Special Grant: 9004-00035, **RM 30,000**, April 2013 – April 2016, **Main Researcher**.
18. **Consultancy for i-Zest Sdn Bhd** on Analysis of Plastic Material Flow into Injection Molds and Optimize the Injection Molding Parameters, National Special Grant: 9004-00036. Amount: RM 35,000, Duration: April 2013 – April 2016, **Main Researcher**.
19. **Jury**, International Engineering Invention Innovation Exhibition (i-ENVEX) 2016, 08-10 April 2016.
20. **Jury**, Educational Expo Competition, IPG Kampus Darul Aman (IPDA), 18-27 July 2016.
21. **Facilitator**, Innovation Project Empowerment Workshop, Kolej MARA Kuala Nerang, Kedah, 08 November 2016.
22. **Jury**, International Engineering Invention Innovation Exhibition (i-ENVEX) 2015, 17-19 April 2015.

REFEREES

1. Professor Ts. Dr. Mohd. Mustafa Albakri Bin Abdullah
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2. Associate Professor Dr Noorhafiza binti Muhammad
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