

NOR HAFIEZ BIN MOHAMAD NOR



Faculty of Mechanical Engineering,
Universiti Teknologi Mara,
40450, Shah Alam,
Selangor

Tel: 03 – 5543 5217

Fax: 03 – 5543 5160

h/p: 019-278 5209

Email: norhafiez@salam.uitm.edu.my or norhafiez@yahoo.com

CAREER OBJECTIVES

To excel educational and research profession in the area of expertise in order to uphold the mission and vision of the university.

To discover and elevate new findings towards sustainability research work in line with current national and global agenda

To continuously enhance professional and personal career development in all areas (research and innovation, teaching-learning, consultancy and community services)

AREA OF SPECIALIZATION

Powder and Industrial Metallurgy particularly in Metal Injection Molding (MIM), Metallic and Ceramic Bio-medical Implants, Optimization manufacturing process.

EDUCATION

UNIVERSITI KEBANGSAAN MALAYSIA

B.Eng (Hons) in Mechanical and Materials Engineering (1999)

UNIVERSITI KEBANGSAAN MALAYSIA

M.Sc, Analysis of Flow Phenomena in Metal Injection Molding (MIM) Process (2002)

UNIVERSITI KEBANGSAAN MALAYSIA

PhD, Optimisation Process of Ti-6Al-4V Powder Injection Molding
using Palm Stearin Based Binder (Dec 2007- Dec 2012)

PROFESSIONAL AFFILIATION

Treasury, Society of Mechanical Engineering Liveliness (SoMEL) (Life Membership)

Treasury, Malaysian Powder Metallurgy and Particulate Materials Association (MPM2A)
(Membership No : 010)

Member, Board of Engineers BEM (Membership No : 37283 R)

WORKING EXPERIENCE

Universiti Teknologi MARA (UiTM), Shah Alam:

Senior Lecturer : 2010 – present

Lecturer : 2002 – 2010

Ketua Jawatan Kuasa Projek Khas Pertukaran (Pembangunan Sikap Pelajar & Aktiviti Alumni FKM): 1 Jn 2017 – 30 June 2017.

Member of Tier 5 UiTM Research Initiative Group (RIG), Advanced Manufacturing Technology (AMT) : 11 Oct 2016 -10 Oct 2018

- Founder of the AMT

- Coordinate research and consultation work related to Metal Injection Molding

Resource Person for subject WORLD CLASS MANUFACTURING (2017) & WORKSHOP PRACTICE (2014-2017)

Review Panel of Internal Research Grant: 1 April 2017 -31 March 2019

Mechanical Engineering and Science Postgraduate International Conference (MESPIC 2016) : 28-29 September 2016 - Appointed as Treasurer of the conference

International Conference on Advances in Mechanical Engineering (ICAME 2013-2017) - Appointed as Treasurer of the conference

- Reviewing panel for several papers related to field of specialization

- Chairman of a parallel session

Member, Advanced Manufacturing Technology Excellent Centre (AMTeX) : Jan 2012- Present

- Deputy Director (Internationalization and Industrial Linkage)

Jawatankuasa Kebajikan Staf FKM 2015-2017

- Organized several events related to FKM Staff Affair

- Deputy Director

Atlet Bola Sepak Veteran UiTM

Universiti Kebangsaan Malaysia (UKM), Bangi :**Research Assistant : 1999 – 2001**

As position RA Engineer, have had 2 years' experience in perform and verify research work effecting Metal Injection Molding process.

Primadata Power Sdn Bhd , Taman Melawati:**Trainee Engineer : Mar – May 1998****RESEARCH**

No	Research Project	Source	Total Funds	Begin Year	End Year
1	PARISON MOULD DESIGN AND PROCESS PARAMETERS TO PRODUCE HIGH QUALITY PLASTIC BOTTLES	BESTARI	40,000.00	2017	2019
2	CO-RESEARCHER : SOLVING THE PROBLEM OF MACHINING OF ALUMINA GUIDE PIN SINTERED COMPONENTS (REF : KPT.600-6/2/18 JLD (53)	KPT-PPRN	50,000.00	2016	2017
3	PROJECTION OF WELD BEAD GEOMETRY AND WELDING PARAMETER OF SMALL-WIRE SUBMERGED ARC WELDING	GIP	25,000.00	2016	2017
4	DEVELOPMENT OF HIGHLY INTER-CONNECTED OF POROUS TITANIUM IMPLANT MIX WITH PALM STEARIN BINDER BY METAL INJECTION MOLDING TECHNIQUE	LESTARI	20,000.00	2015	2017
5	CO-RESEARCHER : NITI SHAPE MEMORY ALLOY WITH TITANIUM HYDRIDE PHASE STABILIZER	FRGS	117,200.00	2015	2017
6	CO-RESEARCHER : SCAFFOLD STRUCTURED BETA PHASE TITANIUM-NIOBIUM ALLOY	RAGS	80,000.00	2014	2017
7	CO-RESEARCHER : TRANSFERRING EXPERTISE TO BAKAL SEJATI SDN. BHD IN ESTABLISHING GREENER INJECTION MOULDING SYSTEM TO INCREASE PRODUCTIVITY AND PRODUCE HIGH QUALITY PLASTIC BOTTLE (REF: 438020140003)	ICAN-KTP	144,935.00	2014	2016
8	RHEOLOGICAL CHARACTERIZATION OF HIGHLY POROUS TITANIUM ALLOY FEEDSTOCK FOR METAL INJECTION MOLDING (MIM) PROCESS USING PALM STEARIN BINDER SYSTEM PART 3	CIFI	60,000.00	2013	2015
9	ADVANCED NITI INTERMETALLIC COMPOUNDS SUPERIOR SHAPE MEMORY BEHAVIOUR PART 2	PSI	60,000.00	2013	2015
10	RHEOLOGICAL CHARACTERIZATION OF HIGHLY POROUS TITANIUM ALLOY FEEDSTOCK FOR METAL INJECTION MOLDING (MIM) PROCESS USING PALM STEARIN BINDER SYSTEM PART 2	PSI	60,000.00	2013	2015
11	CO-RESEARCHER: KENAF: SUSTAINABLE MATERIALS IN AUTOMOTIVE INDUSTRY	LRGS	1,483,400.00	2012	2017
12	CO-RESEARCHER : THE INFLUENCE OF LOCALLY BINDER SYSTEM AND PROCESSING CONDITIONS ON	RACE	50,000.00	2012	2015

NEARLY EQUIATOMIC NITI ALLOYS

13	CO-RESEARCHER : ADVANCED NITI INTERMETALLIC COMPOUNDS SUPERIOR SHAPE MEMORY BEHAVIOUR	FRGS	94,330.00	2012	2015
14	RHEOLOGICAL CHARACTERIZATION OF HIGHLY POROUS TITANIUM ALLOY FEEDSTOCK FOR METAL INJECTION MOLDING (MIM) PROCESS USING PALM STEARIN BINDER SYSTEM	FRGS	56,000.00	2012	2014
15	CHARACTERIZATION AND MECHANICAL TESTING OF TI-6Al-4V GREEN PART MIXED WITH PALM STEARIN BINDER SYSTEM USING METAL INJECTION MOULDING (MIM) PROCESS	RIF	32,000.00	2012	2014
16	CHARACTERIZATION OF NEWLY DEVELOPED FEEDSTOCK IN METAL INJECTION MOULDING APPLICATION USING TITANIUM MIX WITH PALM STEARIN BINDER SYSTEM	MOHE-FRGS	100,000.00	2007	2011
17	CO-RESEARCHER : STUDY ON STABILITY OF A NOVEL BINDER SYSTEM BASED ON PALM OIL IN METAL INJECTION MOLDING (MIM) APPLICATION	IRDC-UiTM	12,000.00	2005	2006
18	CO-RESEARCHER: CHARACTERIZATION OF HOMOGENEOUS FEEDSTOCK FOR METAL INJECTION MOLDING (MIM) PROCESS	IRDC-UiTM	22,000.00	2002	2003

POSTGRADUATE SUPERVISION

PhD/MSc (Research) Supervision Completed (Includes Co-supervision)

	Students Name	Title	Year Enrolled	Year End
1	Mohamamad Ikhwan Jamaludin (2012127163) - MSc	Development of highly inter-connected of porous titanium implant mix with palm stearin binder by metal injection moulding	2013	2015
2	Ros Atikah Abdul Kadir (2014473234)– MSc (Co-SV)	TiH2 Micro-Porous Replication near-net-shape Pseudo Elastic NiTi Alloy	2014	2017

On Going PhD/MSc (Research) Supervision (Includes Co-supervision)

	Students Name	Title	Year Enrolled	Year End
1	Mohd Firhan Bin Morni– MSc (Co-SV)	Development of 2C-powder Injection moulding	2015	2017
2	Mohamad Faruqi Bin Mohamed (2015679176)– MSc	Prediction of Weld Bead Geometry & Welding Parameter of Small-Wire Submerged Arc Welding	2015	2017
3	Mohd Faizal Bin Abdul Razak (2012622582)– MSc (Co-SV)	Prediction & Deposition Geometry & Welding Parameter	2015	2017

		of Flux Core Arc Welding for Flat Position Bead on Plate		
4	Najiy Rizal Bin Suriani Rizal (2014166763)– MSc (Co-SV)	Optimization of Mould Design & Process Parameters for Injection Moulding of PET Parison	2015	2017
5	Nur Atikah Abu Kasim– MSc	Optimization process of MIM of porous Ti-6Al-4V with palm stearin binder	2014	2017

INNOVATIONS, AWARDS & PATENTS

- Special Award International Trade Fair (IENA2017) in the International Invention, Innovation & Technology Exhibition (ITEX 2017) organized by UiTM Pahang, 7-8 Nov 2016, Project title : Porous NiTi Dental Screw Implant by Innovation Powder Metallurgy Route*
- Best paper Award at the World Congress on Engineering and Applications (WCEA 2016), 16-27 Dec 2016, Paper title : Optimizing Sintering Process to Produce Highest Density of Porous Ti-6Al-4V*
- Best of the Best Award in the Breakthrough Invention Innovation and Design Exhibition (BIIDE 2016) organized by UiTM Pahang, 7-8 Nov 2016, Project title : Cheap Fabrication Process of Ti-6Al-4V for Biomedical Applications*
- 2nd Runner up for Product Pitching during IIDEX 2016 at Dewan Agung Tuanku Canselor, DATC UiTM, 22nd Sept 2016. The award was sponsored by Bank Islam Malaysia Berhad (BIMB)*
- Panglima Awang Invention Award-Platinum Professional Category Award in the Research Invention, Innovation & Design 2014, 13-14 Dec, UiTM Melaka*
- PhD scholarship Award by the Government of Malaysia to pursue post-graduate studies at the University Kebangsaan Malaysia from 22 Dec 2007 – 21 Dec 2011*
- Awarded Post-Graduate Scheme (Skim Pasca Siswazah) from Centre of Post-Graduate Studies, Universiti Kebangsaan Malaysia (UKM) to pursue post-graduate studies at UKM from Jun 1999 – Dec 2001*

8. Innovation Activities & Award Achievement

No	Project/Innovation	Event	Date	Award
1	Potential Application of Water Soluble Binder System in Metal Injection Moulding (MIM) Process for Fabrication of Small and Complex Precision Metal Parts	18th International Inventions, Innovations &	May, 18-20 2007	GOLD
2	Potential Application of Water Soluble Binder System in Metal Injection Moulding (MIM) Process for Fabrication of Small and Complex Precision Metal Parts	International Trade Fair (IENA) 2007, Nuremberg, Germany	Nov, 1-4 2007	GOLD
3	Alternative fabrication of Porous pseudo-elastic NiTi alloy for biomedical implant applications	IIDEX Shah Alam	15-17 Mar 2013	GOLD
4	Ti64 by metal injection moulding (MIM) using palm-stearin		SILVER	

	based binder system			
5	Dual Function of Palm Stearin in Processing of Hap Scaffold	24th ITEX `14 KLCC	8-10 May 2014	SILVER
6	Alternative fabrication of Ti6Al4V for biomedical implant applications	RIID 2014 UiTM Melaka	13-14 Dec 2014	GOLD & PANGLIMA AWANG AWARD
7	Porous Niti Dental Implant By An Innovative Powder Metallurgy Route	IIDEX, UiTM Shah Alam	20 – 23 Sept 2016	GOLD
8	Cheap Fabrication Process of Ti-6Al-4V for Biomedical Applications.	Breakthrough Invention Innovation and Design Exhibition (BIIDE 2016) UiTM Pahang	7-8 Nov 2016	GOLD
9	Porous NiTi Dental Screw Implant by Innovation Powder Metallurgy Route	International Invention, Innovation & Technology Exhibition (ITEX 2017)	11-13 May 2017	GOLD & SPECIAL AWARD

9. *Intellectual Property Right (IPR): Method of Producing Dental Implant Article with Nickel Titanium Alloy (PI 2015700327)*

CONSULTATIONS & EXPERTISE

Consultation Work

- 1) **Title:** High Strain Rate Simulation
Client: University Pertahanan Nasional Malaysia
Ref No: 100-RMU P. 37/7/ 20150303005
Duration: 16/02/2015 - 18/02/2015

Invited Presentation in Seminar/Workshop & Conference

- 1) **Event:** Scanning Electron Microscopy Workshop
Title: Invited Speaker
Date: 20 May 2015
Venue: FKM UiTM
- 2) **Event:** Conference ReCAR-APSIM-5th PM
Title: Treasurer
Date: 14-15 Dec 2011
Venue: Hotel Royale Bintang Kuala Lumpur

Jury in Innovation, Invention and Design Competition

- 1) **Event:** Politeknik Malaysia Excellent Performance Award
Date: 29 Sept 2016
Venue: Kinrara Resort

- 2) **Event:** Innovation & Invention Competition Via Exhibition (iCoVEx'16)
Date: 18 Oct 2016
Venue: Politeknik Muadzam Shah

Post Graduate Internal Thesis Examiner

No.	Student Name	ID/Course	Research Title	Event	Date
1	Mohammad Dahar Bin Kamal Bahrin (2013715527) SV: PM Noraini Wahab	FKM UiTM	Analysis of Process Variables in Metal Injection Moulding of Porous Copper using Palm Oil Derivative Based Binder System	MSc Viva Voce	3 May 2017
2	Siti Athirah Rasid (2011375039) SV: Dr Muhammad Hussain Ismail	FKM UiTM	Development of Open Cell Copper Foam by Powder Compaction & Sintering Technique	MSc Viva Voce	29 May 2017
3	Siti Khadijah Binti Alias (2010370245) SV: Dr Bulan Abdullah	FKM UiTM	Microstructural & Wear Characterization of Surface Attrited Boronized 304 Stainless Steel	PhD Viva Voce	29 June 2016
4	Nur Hidayatul Nadhirah Elmi Azham Shah (2014649744) SV: Dr Muhammad Hussain Ismail	FKM UiTM	The Effects of Processing Cinditions of Ti-Nb on Phase, Micro-Structure, Hardness & Compression Strength	Convert PhD	1 April 2016
5	Norazne Binti Nasir (2014188965) SV: PM Dr Norhayati Saad	FKM UiTM	Performance and Process Analysis of Ceramic Slip Rotary Moulding for Fine Bone China Product	MSc Defend Research Proporsal	30 Sept 2015
6	Norrul Hafizan Binti Ab Wahab (2013686026) SV: PM Dr Norhayati Saad	FKM UiTM	Mould Process Analysis for Advanced Ceramic Slip Rotary Moulding (CSRM) in Producing Hollow Ceramic Product	MSc Defend Research Proporsal	30 Sept 2015
7	Norhafiza Binti Muhammad (20122272714) SV: PM Dr Aidah Jumahat	FKM UiTM	Compressive Properties of Advanced Nanosilica Filled Hybrid Fiber Composite Laminates	MSc Viva Voce	29 May 2015
8	Widia Wahyuni Binti Amir (2012591191) SV: PM Dr Aidah Jumahat	FKM UiTM	Mechanical Properties of Nanoclay-Modified Fiber Reinforced Polymer Composite	MSc Viva Voce	27 March 2015
9	Mohd Arif Hakim Bin Azizan (2014149351) SV: Dr Muhammad Hussain Ismail	FKM UiTM	Fabrication & Characterization of Sound Absorption Properties of Functionally Graded Aluminium Foam	MSc Defend Research Proporsal	6 Dec 2016

10	Muhammad Kamarul Arifin Bin Zakaria (2013833054)	UiTM	Industrial Project 1	MSc Dissertation	7 Jan 2014
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Post Graduate External Thesis Examiner:

1. Murni Faridah Binti Mahamed Rafter (UTHM) - Msc Viva Voce, "Processing of Porous 316L Stainless Steel (SS316L) Foams using Compaction Method for Different Space Holders & Different Furnace" (1 Dec 2016).

PUBLICATIONS

Development of Porous Ti-6Al-4V Dental Implant by Metal Injection Molding with Palm Stearin Binder System	2017
NA Abu Kasim, NHM Nor , MH Ismail, J Saedon Materials Science Forum 889, 79-83	
The Effect of TiH ₂ Particle on Rheological Behaviour of NiTi for Metal Injection Moulding	2017
A Kadir, R Atikah, NHM Nor , I Subuki, MH Ismail Materials Science Forum 882, 23-27	
Investigation of Cutting Edge Radius Effect in Macro-machining and Micro-machining	2016
J Saedon, NA Norrdin, MA Yahaya, MS Kasim, NHM Nor Regional Conference on Science, Technology and Social Sciences (RCSTSS 2014)	
Optimization of Natural Fiber Composite Parameter Using Taguchi Approach	2016
Fauziah Md Yusof, Abd Rahim, Mohd Khairul Hazami, Ahmad Safwan Samsudin, Mohamad Nor, Nor Hafiez , Zuraida Ahmad, Zahurin Halim Advanced Materials Research 1133, 185-188	
Feedstock Flow Characterization And Processing Of Porous Niti By Metal Injection Moulding (MIM)	2015
MH Ismail, NHM Nor , HA Davies, I Todd Jurnal Teknologi 76 (11)	
Development of Porous Ti-6Al-4V Mix with Palm Stearin Binder by Metal Injection Molding Technique	2015
MI Jamaludin, NAA Kasim, NHM Nor , MH Ismail American Journal of Applied Sciences 12 (10), 742	
Compressive Mechanical Properties Of Porous Ti-6Al-4V With Palm Stearin Binder System	2015
NHM Nor , JB Saedon, NAA Kasim, MH Ismail, H Husain Jurnal Teknologi 76 (6)	
Multi-Objective Optimization In Wire-Electrical Discharge Machining (Wedm) Of Titanium Alloy	2015
JB Saedon, N Jaafar, NHM Nor , MA Yahaya, H Husain Jurnal Teknologi 76 (6)	
Surface Integrity in Micromilling of Hardened AISI D2 Tool Steel	2015
JB Saedon, SL Soo, DK Aspinwall, A Barnacle, NH Mohamad Nor Applied Mechanics and Materials 789, 151-155	
Feedstock Flow Characterization And Processing Of Porous Niti by Metal Injection Moulding (MIM)	2015
MH Ismail, NHM Nor , HA Davies, I Todd Jurnal Teknologi 76 (11)	
Parameter Optimization of Debinding Injection Moulded Ti-6Al-4V Mix with Palm Stearin and Polyethylene	2014
MI Jamaludin, M Nor, N Hafiez , NA Abu Kasim, JB Saedon, N Muhamad Applied Mechanics and Materials 660, 234-238	

Influence of Depth of Cut on Contact Phenomenon in Micromachining JB Saedon, NA Norrdin, MA Yahaya, NH Mohamad Nor , M Salih Applied Mechanics and Materials 660, 8-12	2014
A study on kerf and material removal rate in wire electrical discharge machining of Ti-6Al-4V: multi-objectives optimization JB Saedon, N Jaafar, MA Yahaya, NH Mohamad Nor , H Husain Technology, Informatics, Management, Engineering, and Environment (TIME-E)	2014
Influence Of Composition and Sintering Temperature on Density for Pure and Titanium Alloy Foams S Ahmad, N Muhamad, A Muchtar, J Sahari, KR Jamaludin, MHI Ibrahim, NH Mohamad Nor Jurnal Teknologi 68 (4)	2014
Characterization and Rheological Studies on Ready-Made Feedstock of Stainless Steel 316L in Metal Injection Molding (MIM) Process NH Mohamad Nor , MH Ismail, NA Abu Kasim, N Muhamad, MA Taib Applied Mechanics and Materials 465, 709-714	2014
Sintering of Alumina-AIN System for Heat Sink NH Mohamad Nor , MH Ismail, NA Abu Kasim, WD Teng, MK Idham Applied Mechanics and Materials 465, 76-80	2014
Magnesite Effect to the Alumina Sintering for Heat Sink Application NH Mohamad Nor , MH Ismail, NA Abu Kasim, WD Teng, MII Idris Applied Mechanics and Materials 465, 70-75	2014
Sintering Optimization of Ti-6Al-4V Powder Mix with Palm Stearin Based Binder Using Grey- Taguchi Method NH Mohamad Nor , MH Ismail, N Muhamad, M Ruzi, KR Jamaludin Advanced Science Letters 19 (1), 260-263	2013
Sintering parameter optimization of Ti-6Al-4V metal injection molding for highest strength using palm stearin binder NHM Nor , N Muhamad, AKAM Ihsan, KR Jamaludin Procedia Engineering 68, 359-364	2013
Solvent debinding process for ZK60 magnesium alloy mim compact MR Harun, N Muhamad, AB Sulong, M Nor, N Hafiez , KR Jamaludin Jurnal Teknologi (Sciences and Engineering) 59 (SUPPL. 2), 159-168	2012
Metal injection moulding of ZK60 magnesium alloy powder using palm stearin based binder system MR Harun, N Muhamad, AB Sulong, NH Mohamad Nor , KR Jamaludin Advanced Materials Research 445, 374-379	2012
Optimizing the sintering parameter of metal injection molding compact using robust engineering technique KR Jamaludin, N Muhamad, S Ahmad, MHI Ibrahim, M Nor, N Hafiez Advanced Materials Research 445, 357-361	2012
Injection moulding temperature and powder loading influence to the metal injection moulding (MIM) green compact KR Jamaludin, N Muhamad, S Ahmad, MHI Ibrahim, NHM Nor , D Yusof Scientific Research and Essays 6 (21), 4532-4538	2011
Optimization of injection molding parameter of Ti-6Al-4V powder mix with palm stearin and polyethylene for the highest green strength by using Taguchi method NHM Nor , N Muhamad, MHI Ibrahim, M Ruzi, KR Jamaludin International Journal of Mechanical and Materials Engineering 6 (1), 126-132	2011
Optimization of micro metal injection molding with multiple performance characteristics using grey relational grade MHI Ibrahim, N Muhamad, AB Sulong, KR Jamaludin, NHM Nor , S Ahmad Chiang Mai Journal of Science 38 (2), 231-241	2011
Optimization of micro metal injection molding by using grey relational grade MHI Ibrahim, N Muhamad, AB Sulong, NHM Nor , KR Jamaludin, ... AIP Conference Proceedings 1315 (1), 713-718	2011

Injection Molding Parameter Optimization of Ti-6Al-4V Powder Mix With Palm Stearin and Polyethylene for Highest Green Strength Using Taguchi Method NHM Nor , N Muhamad, M Ruzi, S Ahmad, MHI Ibrahim, KR Jamaludin AIP Conference Proceedings 1315 (1), 689-694	2011
The development of metal injection moulding for ZK60 magnesium alloy using palm stearin based binder system MR Harun, N Muhamad, AB Sulong, NH Mohamad Nor , KR Jamaludin Advanced Materials Research 230, 1199-1203	2011
Injection molding parameter optimization of titanium alloy powder mix with palm stearin and polyethylene for multiple performance using grey relational analysis NHM Nor , N Muhamad, AK Ariffm, M Ruzi, KR Jamaludin, A Sufizar Journal of Applied Sciences 11 (10), 1833-1838	2011
Rheological investigation of ZK60 magnesium alloy feedstock for metal injection moulding using palm stearin based binder system MR Harun, N Muhamad, AB Sulong, M Nor, N Hafiez , MHI Ibrahim Applied Mechanics and Materials 44, 4126-4130	2011
Orthogonal Array Technique for Optimizing the Sintering Parameter of the Metal Injection Molding (MIM) Compact: Best Flexure Strength KR Jamaludin, N Muhamad, MNA Rahman, S Ahmad, MHI Ibrahim, NH Mohamad Nor Advanced Materials Research 264, 290-294	2011
Multiple performance optimization for the best injection molding process of Ti-6Al-4V green compact N Muhamad, M Nor, N Hafiez , S Ahmad, MHI Ibrahim, MR Harun Applied Mechanics and Materials 44, 2707-2711	2011
Optimization of micro metal injection molding SS 316L for the highest green strength by using Taguchi method MHI Ibrahim, N Muhamad, AB Sulong, KR Jamaludin, M Nor, N Hafiez Advanced Materials Research 264, 135-140	2011
Characterisation of titanium alloy feedstock for metal injection moulding using palm stearin binder system M Nor, N Hafiez , N Muhamad, KR Jamaludin, S Ahmad, MHI Ibrahim Advanced Materials Research 264, 586-591	2011
Multiple performance optimization for the best metal injection molding green compact KR Jamaludin, N Muhamad, MN Ab Rahman, S Ahmad, MHI Ibrahim, NHM Nor , MR Harun, M YM Daud Journal of Applied Sciences 11 (9), 1663-1667	2011
Taguchi method for the determination of optimised sintering parameters of titanium alloy foams S Ahmad, N Muhamad, A Muchtar, J Sahari, KR Jamaludin, MHI Ibrahim, NH Mohamad Nor Advanced Materials Research 264, 1731-1736	2011
Optimisation of processing parameters of titanium foams using taguchi method for compressive strength KR Jamaludin, S Ahmad, N Muhamad, A Muchar, J Sahari, MHI Ibrahim, NH Mohamad Nor Trans Tech Publications	2010
Parameter optimization towards highest micro MIM density by using Taguchi method KR Jamaludin, MHI Ibrahim, N Muhamad, AB Sulong, NHM Nor , S Ahmad, ... Trans Tech Publications	2010
Parameter optimization of injection molding Ti-6Al-4V powder and palm stearin binder system for highest green density using Taguchi method KR Jamaludin, NHM Nor , N Muhamad, S Ahmad, MHI Ibrahim, MR Harun Trans Tech Publications	2010
Optimisation of processing parameters of titanium foams using Taguchi method for compressive strength S Ahmad, N Muhamad, A Muchtar, J Sahari, KR Jamaludin, MHI Ibrahim, NH Mohamad Nor Key Engineering Materials 447, 671-675	2010

Single performance optimization of micro metal injection molding for the highest green strength by using Taguchi method MHI Ibrahim, N Muhamad, AB Sulong, KR Jamaludin, S Ahmad, <u>NHM Nor</u> International Journal of Integrated Engineering 2 (1)	2010
Application of the Grey-Taguchi method to the optimization of Metal Injection Molding (MIM) process KR Jamaludin, N Muhamad, MNA Rahman, S Ahmad, MHI Ibrahim, <u>NH Mohamad Nor</u> , MYM Daud Key Engineering Materials 443, 63-68	2010
Rheological investigation of water atomized metal injection molding (MIM) feedstock for processibility prediction KR Jamaludin, N Muhamad, MNA Rahman, S Ahmad, MHI Ibrahim, <u>NH Mohamad Nor</u> Advanced Materials Research 83, 945-952	2010
Optimization of Micro Metal Injection Molding for Highest Green Strength by Using Taguchi Method. MHI Ibrahim, N Muhamad, AB Sulong, S Ahmad, <u>NHM Nor</u> International Journal of Mechanical and Materials Engineering 5 (2), 282-289	2010
Parameter optimization towards highest micro MIM density by using Taguchi method MHI Ibrahim, N Muhamad, AB Sulong, KR Jamaludin, <u>NHM Nor</u> , S Ahmad Key Engineering Materials 443, 705-710	2010
Development and characterization of titanium alloy foams S Ahmad, N Muhamad, A Muchtar, J Sahari, MHI Ibrahim, KR Jamaludin, <u>NH Mohamad Nor</u> International Journal of Mechanical and Materials Engineering 5 (2), 244-250	2010
Parameter optimization of injection molding Ti-6Al-4V powder and palm stearin binder system for highest green density using Taguchi method <u>NHM Nor</u> , N Muhamad, S Ahmad, MHI Ibrahim, MR Harun, KR Jamaludin Key Engineering Materials 443, 69-74	2010
Optimizing the injection parameter of water atomised SS316L powder with design of experiment method for best sintered density KR Jamaludin, N Muhamad, MNA Rahman, S Ahmad, MHI Ibrahim, <u>NH Mohamad Nor</u> Chiang Mai J. Sci 36 (3), 349-358	2009
Sintering Parameter Optimisation of the SS316L Metal Injection Molding (MIM) Compacts For Final Density Using Taguchi Method KR Jamaludin, N Muhamad, MNA Rahman, SYM Amin, S Ahmad, <u>NH Mohamad Nor</u> 3rd South East Asian Technical University Consortium., Johor Bahru, Malaysia	2009
Flow behaviour to determine the defects of green part in metal injection molding <u>NHM Nor</u> , N Muhamad, MH Ismail, KR Jamaludin, S Ahmad, MHI Ibrahim Int. J. Mech. Mater. Eng 4 (1), 70-75	2009
Producing of titanium foam using titanium alloy (Al3Ti) by slurry method S Ahmad, N Muhamad, A Muchtar, J Sahari, KR Jamaludin, MH Ibrahim, <u>NH Mohamad Nor</u> , I Murtadhahadi Brunei Int. Conf. of Eng. And Techn.(BICET), 3-4.11	2008

TEACHING INTERESTS

Lectures: Production Technology, Mechanics of Materials, Computer Aided Design, Manufacturing Processes, World Class Manufacturing, Workshop Practice

REFERENCES

Prof. Dr. Salmiah Kasolang
Dean
Faculty of Mechanical Engineering
Universiti Teknologi MARA
Shah Alam, Selangor Darul Ehsan
Tel :03-5543 5161 fax: 03-5543 5160; Email : salmiahk@salam.uitm.edu.my

Prof. Dr. Norhamidi Muhamad
Department of Mechanical and Materials
Faculty of Engineering
Universiti Kebangsaan Malaysia (UKM), Bangi
Selangor Darul Ehsan
Tel: 03-89250552 fax: 03-89252469; Email : hamidi@eng.ukm.my