

CURRICULUM VITAE (DRAFT)

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RESEARCH AND PUBLICATION

1.1 Research Grant

1.1.1 Research Grant (as Principal Investigator)

(Project Title),(Sponsorship),(Total Grant),(Date/Duration)

1. A Comprehensive Study to Improve Tribological and Mechanical Characteristics of Elastic Rolling Particles , USM (INSENTIF) , RM5,000.00, 7/12/2009-6/12/2010
2. Friction and wear involving abrasion mechanisms in industrial components , KEMENTERIAN PENGAJIAN TINGGI , RM40,000.00, 1/5/2010-31/10/2012
3. Development of Factors Influencing the Choices of Strategies for Sustainable Material Efficiency in Aluminum Recyclable Industries , USM (JANGKA PENDEK) , RM39,921.00, 1/12/2011-30/11/2013

1.1.2 Research Grant (as Co-Researcher)

(Project Title),(Sponsorship),(Total Grant),(Project Leader),(Date/Duration)

1. Tribological Behaviour of Hybrid Compound as Filler in Polymer Matrix Composites (PMC) , KEMENTERIAN PENGAJIAN TINGGI , RM116,600.00, Hazizan Bin Md Akil , 15/8/2011-14/8/2013
2. Semisolid Cryorolling Process Of Nanocrystalline Al-Cu-Mg-Ag Sheet Alloy , USM (RU) , RM243,280.00, Anasyida Bt Abu Seman @ Hj Ahmad , 1/12/2013-30/11/2016

1.2 Research Publication

Article in Magazine

(Title),(Publisher),(Author),(Name of Journal),(Year)

1. Improving the wear resistance of ultra-high-molecular-weight polyethylene, SPE Plastic Research, Plastic Research, SPE, Chang Boon Peng, Hazizan Md. Akil, Ramdziah Bt. Md. Nasir, and Siti Nurdijati,, Society of Plastic Engineers, Plastic Research Online, 2013

Chapter In Research Book

(Author),(Title of Article),(Name of Book),(Publisher),(Year),(Number Of Pages)

1. Chang Boon Peng, Md Akil Hazizan, Md Nasir Ramdziah, The Effect of Zeolite on the Crystallization Behaviour and Tribological Properties of UHMWPE Composite, Advanced Materials Research, Advanced Materials Research, Trans Tech Publications, 2013, 6
2. VIII. SITI SHUHADAH Md. Saleh¹, 3, a, HAZIZAN Md. Akil¹, 4 b*,RAMDZIAH Md. Nasir², 4, c and Herza Hasmi ^{1,d}, Thermal and Tribological Properties of Phenolic/CNT-Alumina hybrid Composites, Advanced Materials Research Vol. 812 (2013) pp 226-230 © (2013) Trans Tech Publications, Switzerland, doi:10.4028/www.scie, Advanced Material Research, Trans Tech Publications, 2013, 5
3. A.S.Anasyida, H.Zuhailawati, M.N.Ramdziah, J.Y.S.Li, Microstructural study of hypereutectic Al-15%Si containing Ce, Advanced Materials Research, Trans Tech Publications, 2013, 111-115

Journal

(Author),(Title of Article),(Name of Journal),(Year),(Volume),(Edition),(Number Of Pages)

1. B.P.Chang, Hazizan Md.Akil, Ramdziah Md.Nasir, Siti Nurdjati, Mechanical and Antibacterial Properties of Treated and Untreated Zinc Oxide Filled UHMWPE Composites,, Journal of Thermoplastic Composite Materials, 2011, , , 16
2. Ramdziah Md.Nasir, Muhammad Mu'az Azizan, Adhesion and Friction E-glass Fibre Reinforced Epoxy Composites for Tribo-applications, Journal of Thermoplastic Composites Materials, 2011, , , 19
3. R.M.Nasir and N.S.M.El-Tayeb, Surface Morphology, Mechanical and Tribological Properties of Blended Deproteinised Natural and Polyisoprene Rubbers, Journal of Thermoplastic Composites, 2011, , , 19
4. R. M. Nasir, M. R. A. Montaha, V. Radha, A.Y.Saad, H.W.Gitano-Briggs, Tribological Performance of Resin Impregnated Gunny (RIG) and Resin Reinforced Honeycomb (RRH) Material Composites, Journal of Material and Design: Special Issue on Materials Design and Tribology, 2012, , , 23
5. BP Chang, Hazizan Md.Akil, Ramdziah Md.Nasir, Comparative study of micro- and nano-ZnO reinforced UHMWPE composites under dry sliding wear, WEAR, 2012, , , 16
6. Chang Boon Peng, Hazizan Md.Akil, Ramdziah Md.Nasir, Abrasive wear performance and anti bacterial assessment of untreated and treated ZnO reinforced polymer composite, Polymer Composites, 2012, , , 0
7. R.M.Nasir, M.R.A. Montaha, V. Radha, A.Y.Saad, H.W.Gitano-Briggs,, Wear, Friction and Compression of Resin Impregnated Gunny (RIG) and Resin Reinforced Honeycomb (RRH) Composites for Body Shell Applications, Journal of Materials and Design, 48 (2013) 34-43,, 2013, 48, , 10
8. Boon-Peng Chang a, HazizanMd.Akil a,c,n, RamdziahBt.Md.Nasir b, Comparative study of micro- and nano- ZnO reinforced composites under dry sliding wear, Wear, Volume 297, Issues 1-2, 15 January 2013 pages 1120-1127 (2013) available at <http://www.sciencedirect.com/s>, Wear, 2013, 297, 1-2, 8
9. Boon-Peng Chang,¹ H.M. Akil,^{1,2*} R.M. Nasir,³ S. Nurdijati⁴, Abrasive wear performance and antibacterial assessment of untreated and treated ZnO-reinforced polymer Composites, Polymer Composite, 2013, 34, 7, 13
10. Ramdziah Md.Nasir, Assessing the Friction and Abrasion of Paddy Straw/Cockle Fibres Reinforced Polymer in Lubricated/Dry Sliding Condition, Applied Mechanics and Materials Journal, 2013, , , 9
11. Siti Shuhadah Md.Saleh, Hazizan Md.Akil, Ramdziah Md.Nasir, Muhammad Razlan Zakaria and Muhammad Helmi Abdul Kudus, Effect of Catalyst Calcination Temperature on the Synthesis of MWCNTs-Talc Hybrid Compound Using CVD Method, Key Engineering Materials, 2013, 594-595, , 63-67

Proceeding

(Author),(Year),(Title),(Publisher),(Name Of Conference),(Venue),(Number Of Pages)

1. Ramdziah Md. Nasir, Muhammad Ruzaini Ahmad Montaha, 2011, TRIBOLOGICAL ASPECT OF RESIN IMPREGNATED GUNNY AND RESIN REINFORCED HONEYCOMB FOR BODY SHELL APPLICATIONS, Regional Tribology Conference (RTC2011), , Bayview Hotel, Langkawi Island, Malaysia, 15
2. Ramdziah Md Nasir*, Ahmad Shafiq Othman, Abdul Yamin Saad and Nadras Othmanb, 2011, EXPERIMENTAL EVALUATION OF INDUSTRIAL RUBBER WEAR USING AKRON AND TRIBOMACHINE, Regional Tribology Conference, , Bayview Hotel, Langkawi Island, Malaysia, 12
3. Ramdziah Md.Nasir and N.S.M. El-Tayeb, 2011, Deproteinised natural rubber blended synthetic polyisoprene: Mechanical and Tribological Characteristics, International Conference on Engineering Tribology, Advanced Materials and Metrology for Tribological Applications 2011, , British University in Egypt, Cairo, Egypt, 7
4. Nurhayati-Tinggi-Sembiring and Dr. Hjh. Ramdziah Binti Md.Nasir, 2012, Sustainable Aluminum Recycling: Technology of Recycling, Sorting and Impurity Removal, The 2nd International Malaysia-Ireland Joint Symposium on Engineering, Science and Business (IMIEJS 2012) to be held on 18th - 20th June, 2012 at Kuala , Kuala Lumpur, 14
5. Dr. Ramdziah Md.Nasir,, 2012, Tribo-sustainable performance of bio-shell and bio-fibre embedded in polypropylene composites - (Manuscript Code - Cm_38), International Symposium on Processing and Fabrication of Advanced Materials (PFAM-21), , IIT, Guwahati, Assam, India, 0
6. Ramdziah Md.Nasir, 2013, Lubricated Abrasion Study of Bio-Fibre (Paddy Straw) and Cockle-Shell Using Pin-On-Disk Method, Malaysian International Tribology Conference 2013, , Kota Kinabalu, Sabah, Malaysia, 7
7. Boon Peng Chang, Hazizan Md. Akil, Ramdziah Md.Nasir, 2013, Mechanical and Tribological Properties of

Zeolite-reinforced UHMWPE Composite for Implant Application,, Malaysian International Tribology Conference, , Kota Kinabalu, Sabah, Malaysia, 6

1.3 Publication Related to Teaching

- No Record -

1.4 Other Publication

- No Record -

1.5 Book

Original Writing

(Authors),(Year),(Title),(Publisher),(Number Of Pages)

1. Jamilah Samian & Ahamd Fakhri Hamzah, 2011, THE GROOVY GUIDE TO PARENTING GEN Y AND Z, True Wealth Publishings, 123

TEACHING AND SUPERVISION

2.1 Graduate Teaching

(Course Title),(Semester),(Year),(Number of Lecturers),(Number of Students)

2.2 Undergraduate Teaching

(Course Title),(Semester),(Year),(Number of Lecturers),(Number of Students)

1. ENGINEERING PROBABILITY AND STATISTICS ,EMT211
2. MANUFACTURING LAB I ,EPL322
3. MANUFACTURING LAB II ,EPL431
4. METROLOGY AND QUALITY CONTROL ,EPM212
5. MANUFACTURING TECHNOLOGY I ,EPP201
6. MANUFACTURING TECHNOLOGY II ,EPP331
7. Engineering Probability and Statistics, 1 , 2012, 2, 97
8. Manufacturing Technology 1, 1 , 2012, 2, 127
9. Manufacturing Laboratory II , 1 , 2012, 9, 35

2.3 Graduate Supervision

(Student Name),(Category),(Thesis Title),(Year Graduated)

1. NURHAYATI TINGGI SEMBIRING,PhD, DEVELOPMENT OF FACTORS INFLUENCING THE CHOICES OF STRATEGIES FOR SUSTAINABLE MATERIAL EFFICIENCY,
2. SITI SHUHADAH BINTI MD SALEH,PhD, Tribological properties of alumina/cnt hybrid filled polymer composites,
3. CHANG BOON PENG,PhD, Mechanical and Tribological Properties of UHMWPE Composite for Implant Application,
4. KHOO WEE SHEN,PhD, CORROSION INHIBITION IN MAGNETIC HARD DISK MEDIA,
5. NUR AZILA BINTI MAT GHAZALI,Master(Research), Tribomechanical And Biocompatibility Performance of Bone Tissue - Hybrid - Nano - Titanium Dioxide, TIO@üScaffold,

2.4 Undergraduate Supervision

(Student Name),(Year Graduated),(Thesis/Project Title)

1. Suhaila binti Zahir, 2010, FABRICATION, MECHANICAL AND TRIBOLOGICAL TESTING ON UNCONVENTIONAL MATERIALS_CUTTING EFFECT
2. Muhammad Hafizul Hafiz bin Abdul Halim, 2010, DESIGN A TRIBOMACHINE FOR ROLLING PARTICLES TESTING
3. Muhammad Mu'az bin Azizan, 2010, A Study on Effect of Fiber Directions to The Wear Properties of E-Glass Fiber Reinforced Epoxy Composites
4. Ahmad Shafiq bin Othman, 2011, Critical tribology aspects of industrial parts and components in automotive- tyre
5. Tuan Shilashazwani binti Tuan Noeman, 2011, Frictional wear in dry abrasion condition of polyethelene

treated ZnO

6. Mohamad Ruzaini bin Ahmad Montaha, 2011, Experimental evaluation of tribomachine using pin-on-disk (POD) with resin impregnated gunny and resin reinforced honeycomb composites
7. Nur Azila Mat Ghazali, 2012, Optimisation of Response Surface on Tribological Data of Bio-Fibre Material
8. Joshua Chan Ren Jie, 2012, Material Removal Study on Biofibre and Bioshell Under Lubriating Environment
9. Nurul Husna Binti Wan Noor, 2012, Dry Abrasion of Biofibre and Bioshell Reinforced Polymer
10. Wong Hone Shern, 2012, Mechanical Study of Biofiber and Bioshell
11. Mohd. Hazwan Mohd. Azmee, 2012, Design System for Oscillating and Reciprocating Motion Arms for Tribomachine
12. Joy Yii Sze Li (Kejuruteraan Bahan), 2012, Effect of Ce addition on microstructure and mechanical of hypereutectic Al-Si alloy
13. YEAP PENG LIANGÂ , 2013, Wear and Friction of recycled aluminium
14. WAN MOHAMAD SAFRIZAL BIN W MOHAMAD SALLEHÂ , 2013, Tribological performance of UHMWPE hybrid alloy
15. MOHD SHARIR ASRAF BIN MOHD SABIRÂ , 2013, Ball scaring process at elevated temperature for ceramic metal composites

2.5 Professional Service

(Category),(Description),(Place/location),(Frequency),(Year)

PAPERWORK PRESENTATION

(Title),(Venue),(Duration),(Level)

1. Deproteinised Natural Rubber Blended Synthetic Polyisoprene: Mechanical and Tribological Characteristics, British University in Egypt, Cairo, Egypt, 25/10/2011- 27/10/2011, International
2. Micro-abrasion and friction E-glass fibre reinforced epoxy composites for tribo-applications, Shah Alam Convention Center, Malaysia, 2/12/2010- 5/12/2010, National
3. TRIBOLOGICAL ASPECT OF RESIN IMPREGNATED GUNNY AND RESIN REINFORCED HONEYCOMB FOR BODY SHELL APPLICATIONS, Bayview Hotel, Langkawi Island, Malaysia, 22/11/2011- 24/11/2011, International
4. EXPERIMENTAL EVALUATION OF INDUSTRIAL RUBBER WEAR USING AKRON AND TRIBOMACHINE, Bayview Hotel, Langkawi Island, Malaysia, 22/11/2011- 24/11/2011, International
5. Antibacterial, wear and friction assessment of ZnO filled UHMWPE for implant application, Kubang Krian, Kelantan, Malaysia, 29/10/2010- 30/10/2010, National
6. Antibacterial, Wear and Friction Assessment of ZnO filled UHMWPE for Implant Application, School of Mechanical Engineering, USM, 24/2/2011- 25/2/2011, University
7. Tribo-sustainable performance of bio-shell and bio-fibre embedded in polypropylene composites, IIT, Guwahati, Assam, India, 10/12/2012- 13/12/2012, International
8. RESPONSE SURFACE OPTIMISATION OF STAINLESS STEEL BALL DRY SLIDING ON PADDY STRAWS/PROPYLENE COMPOSITES, Science and Engineering Research Center, Universiti Sains Malaysia Engineering Campus, Nibong Tebal, Penang, Malaysia, 3/10/2012- 5/10/2012, National
9. Assessing the Friction and Abrasion of Paddy Straw/Cockle Fibres Reinforced Polymer in Lubricated/Dry Sliding Condition, Department of Mechanical Engineering, FTI, Institut Teknologi Sepuluh Nopember, Mataram, Lombok, Surabaya, Indonesia, 12/9/2013- 15/9/2013, International
10. The effect of zeolite on the crystallization behaviour and tribological properties of UHMWPE composite, theme Polymer in Automotive and Tyre Industry â€ Present and Future Trends, accepted, Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam Selangor and German Alumni Association Malaysia (GAAM),, 16/4/2013- 17/4/2013, International
11. Dry sliding wear behaviour of talc-reinforced UHMWPE composite for implant application, under theme Biopolymer For the Future, UKM, Hotel Equatorial Bangi-Putrajaya, under UKM, 25/9/2013- 26/9/2013, National
12. Lubricated Abrasion Study of Bio-Fibre (Paddy Straw) and Cockle-Shell Using Pin-On-Disk Method, Sutera Harbour Kota Kinabalu, 18/11/2013- 20/11/2013, International

ACADEMIC RECOGNITION AND LEADERSHIP

Academic Awards

(Name of Award),(Awarding Institution),(Year),(Level)

1. Tempat ke-3 Sayembara Mencipta Puisi Sains 2012, Perpustakaan Kejuruteraan USM, 2011, University Awards/Recognition

(Name of Award),(Product),(Organiser),(Event),(Venue),(Date),(Level)

1. Sayembara Mencipta Puisi Sains 2012, Tempat ke 3 Sayembara Mencipta Puisi Sains 2012, , , Perpustakaan Kejuruteraan USM, 2012, University

Chairman

(Title),(Event),(Organiser),(Year),(Level)

1. Chairperson for National Symposium on Polymeris Materials 2012, NATIONAL SYMPOSIUM ON POLYMERIC MATERIALS 2012 (NSPM2012)., Science and Engineering Research Centre, Engineering Campus, Universiti Sains Malaysia, 14300 Nibong, 2011, National
2. Wear, Friction and Fatigue of Materials, Malaysian International Tribology Conference 2013, Malaysian Tribology Society, 2013, International

Member in Professional / Academic Associations

(Organisation),(Membership),(Year),(Level)

1. Malaysian Tribology Society (MYTRIBOS), Members , 2011, National
2. American Society of Mechanical Engineers, ASME, Members , 2011, International
3. ASME, Members , 2013, International

Reviewing Articles in Academic Journals / Assessor of Working Papers / Reviewing Books

(Title of Journal),(Name of Journal),(Editor),(Year)

1. JTCM-12-0033 entitled "Studies on Wear Resistance of PTFE Filled with Glass and Bronze Particles based on Taguchi Technique" for Journal of Thermoplastic Composite Materials. , Journal of Thermoplastic Composite Materials., Editors of Journal of Thermoplastic Composite Materials, Dr John Gillespie, 2012
2. 4th International Graduate Conference on Engineering Science & Humanity 2013 (IGCESH2013) in campus Universiti Teknologi Malaysia (UTM), Working paper, Assoc. Prof. Dr. Sevia M Idrus, 2013
3. Malaysian International Tribology Conference (MITC2013):, Procedia Engineering, MITC Technical Committee, 2013

Assessor/Examiner

Others

Ahli Lembaga Pengajian

(Authors),(Year),(Title),(Duration)

1. 2011, JAWATAN KUASA PERLAKSANAAN PROJEK TAHUN AKHIR 2011/2012, 12/9/2011- 1/6/2012

Jurnal

(Authors),(Year),(Title),(Duration)

1. 2011, Tool wear when turning 6061 Aluminium alloy with PVD coated carbide tool using palm oil (cooking purpose grade) as a cutting tool lubricant, 14/10/2011- 16/10/2011
2. 2011, Modelling Aspect of Corrosive Wear Under Biodiesel, 22/11/2011- 24/11/2011
3. 2011, Testing methods in Tribology: A review, 22/11/2011- 24/11/2011
4. 2011, Characterization of inorganic non-metallc fibre reinforced epoxy-based intumescent coatings and Chartex 7 exposed to high temperature, 22/11/2011- 24/11/2011
5. 2013, Journal of Thermoplastics Composites Materials -12-0033 titled "Studies on Wear Resistance of PTFE Filled with Glass and Bronze Particles based on Taguchi Technique" for Journal of Thermoplastic Compo, -

CONSULTANCY

Consultation Without Monetary Rewards (with appointment letter / consultation report)

(Title Of Project),(Sponsor),(Value),(Main Researchers),(Duration)

1. Mold and plug fabrication for Shell Eco Marathon 2011 body shell with Advanced Materials Research Center, AMREC SIRIM, Kulim Kedah., AMREC, SIRIM, RM0.00, Ramdziah Md.Nasir, 13/6/2011- 5/7/2011
2. Field supervisor, Kuliyyah of Engineering, International Islamic University Malaysia (IIUM), RM0.00, Associate Professor Dr. Mohamed Abdul Maleque, 30/10/2012- 29/10/2015
3. Improving Tribological Performance of Hard Disk Media: Effect of Additives Use in Lubricant, Fuji Electric (Malaysia), RM0.00, Ramdziah Md.Nasir, 29/7/2013- 28/7/2016

SERVICE TO THE UNIVERSITY AND COMMUNITY

(Position),(Duration)

1. Volunteer ,Tajweed for Starter, Intermediate and Advance Level,8/1/2011- 31/12/2011
2. Volunteer ,Gotong Royong at Orphanage House at Kuala Muda, Kedah,25/6/2011- 25/6/2011
3. Sahabat ,Sahabat Tabung Haji 2011,24/10/2011- 22/11/2011
4. Participant ,Walk For Life 2012,12/5/2012- 12/5/2012
5. Team Leader ,Green Roof Technology,15/5/2013- 31/12/2013
6. University Committee ,Ahli Jawatankuasa Kecil Percetakan Majlis Syarahan Umum Perlantikan Profesor,14/5/2012- 2/10/2012
7. University Committee ,Kelab Sukan, Rekreasi & Kebajikan PPKM,9/7/2013- 8/7/2015
8. Chairman of School Committee ,Jawatankuasa Mengkaji SIlibus Rekabentuk Dengan Plastik,22/3/2012- 30/11/2012
9. Course Coordinator ,EPL431 Manufacturing Lab II,22/7/2010- 20/1/2012
10. Course Coordinator ,Group Coordinator for EPL431,9/9/2013- 17/1/2014
11. Committee ,Ahli jawatankuasa SIAP di PPKM,1/9/2011- 29/11/2013
12. Others ,Hari Keluarga Kampus Kejuruteraan Kontingen SAGA,7/11/2012- 7/11/2012