



UNIVERSITI PUTRA MALAYSIA
CURRICULUM VITAE

A. BIODATA

- a. Name : DR. AHMAD ADLIE SHAMSURI
- b. Laboratory : LABORATORY OF BIOCOMPOSITE TECHNOLOGY
- c. Institute : INSTITUTE OF TROPICAL FORESTRY AND FOREST PRODUCTS
- d. Field of Specialization: POLYMER BLENDS, POLYMER COMPOSITES, IONIC LIQUIDS
- e. Contact:
Office: 03-8947 1889 Fax: 03-8947 1896
E-mail: adlie@upm.edu.my
- f. Current Position : SENIOR RESEARCH OFFICER
- g. Citation Indices:

| Google Scholar | All |
|----------------|-----|
| Citations | 274 |
| h-index | 10 |
| i10-index | 10 |

| Scopus | All |
|-----------|-----|
| Citations | 134 |
| h-index | 8 |

B. EDUCATION AND ACADEMIC QUALIFICATIONS

| Degree | Field of Study | Title of Thesis | University Awarded | Year |
|------------------------------|----------------|---|---------------------------------|------|
| Doctor of Philosophy (Ph.D.) | Chemistry | Use of Ionic Liquid-Based Mixtures in Processing of Biopolymers and Polymer Biocomposites | National University of Malaysia | 2015 |
| Master of Science (M.Sc.) | Chemistry | Preparation of Nylon-6/LNR Blends and Nylon-6/LNR/Clay Nanocomposites via Emulsion Dispersion | National University of Malaysia | 2009 |

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|-----------------------------------|------------------|--|---------------------------------|------|
| Bachelor of Science (B.Sc. Hons.) | Chemistry | X-Ray Photoelectron Spectroscopic Studies of Chitin and Chitosan | National University of Malaysia | 2006 |
| Matriculation | Physical Science | Nil | East Core College | 2002 |

C. ADMINISTRATIVE DUTIES

| No. | Administrative duties | Position | Year | Duration |
|-----|--|--|--------------|----------|
| 1. | Product Testing Laboratory, INTROP accredited under Skim Akreditasi Makmal Malaysia (SAMM) meets the requirements of MS ISO/IEC 17025:2005 | Approved Signatory / Technical Manager | 2016-2019 | 3 years |
| 2. | Evacuation Committee, INTROP, Universiti Putra Malaysia | Fire Warden | 2013-present | 5 years |
| 3. | ICRIS Committee, INTROP, Universiti Putra Malaysia | Secretariat | 2014-present | 4 years |
| 4. | Evacuation Committee, Institute of Bioscience, Universiti Putra Malaysia | Incident Officer | 2010-2013 | 3 years |
| 5. | Website Committee, Institute of Bioscience, Universiti Putra Malaysia | Committee Member | 2008-2013 | 5 years |
| 6. | Seminar / Workshop:- 1) International Conference on Safe Biodegradable Packaging Technology (SafeBioPack 2018) (24-26.7.2018) 2) Wood and Biofiber International Conference 2017 (WOBIC2017) (21-23.11.2017) 3) WOBIC2017 Pre-Conference Workshop - Mechanical Characterizations of Biofiber and Biocomposite Materials (15-16.11.2017) 4) INTROP Research Colloquium 2015 (1-2.12.2015) 5) Postgraduate Symposium on Biocomposite Technology 2015 (3.3.2015) 6) Colloquium on Biocomposite Technology 2014 (24.11.2014) 7) Workshop on Thermal and Mechanical Analysis (2-3.9.2014) 8) High Impact Journal Writing Workshop (26-27.8.2014) 9) 2 nd International Conference on Kenaf and Allied Fibres (ICKAF 2013) (3-5.12.2013) | Secretary / Organizing Committee | 2008-2018 | 10 years |

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| | 10) Workshop on Bridging Between Optical and Electron Microscopy Imaging (10.10.2013) 11) Nanomaterials and Nanodelivery Workshop (25.3.2013) 12) Innovation in Oils and Fats Seminar 2012 (8.5.2012) 13) Bengkel Teknik Penulisan Jurnal 1 (12.3.2009) 14) Perkin Elmer Gas Ghromatography Seminar (27.11.2008) | | | |
| 7. | Research University Data Collection Committee, Institute of Bioscience, Universiti Putra Malaysia | Committee Member | 2009-2011 | 2 years |

D. SUPERVISION OF MASTER STUDENT / RESEARCH ASSISTANT / INDUSTRIAL TRAINING STUDENT / FINAL YEAR STUDENT

| No. | Name | Affiliation | Category | Year |
|-----|----------------------------------|---|------------------------------------|-----------|
| 1. | Siti Atiqa Al Zahra Mat Darus | National University of Malaysia | PhD Student | 2016-2019 |
| 2. | Faten Hakimah Mohd Sani | Universiti Teknologi MARA | Industrial training student | 2016 |
| 3. | Nurul Syazwani Shafiee | Universiti Teknologi MARA | Industrial training student | 2016 |
| 4. | Zainul Arif Sumadin | Faculty of Engineering, Universiti Putra Malaysia | Final year student | 2015-2016 |
| 5. | Muhammad Izzuddin Syariff Tan | Faculty of Engineering, Universiti Putra Malaysia | Final year student | 2015-2016 |
| 6. | Muhamad Imran Awing | Institute of Tropical Forestry and Forest Products, Universiti Putra Malaysia | Masters student/Research assistant | 2015-2018 |
| 7. | Muhammad Kamarul Azroy Azid | Institute of Tropical Forestry and Forest Products, Universiti Putra Malaysia | Masters student/Research assistant | 2014-2015 |
| 8. | Mohammad Naqiuddin Mohd Zolkepli | Faculty of Engineering, Universiti Putra Malaysia | Final year student | 2014-2015 |
| 9. | Ahmad Khuzairi Sudari | Institute of Tropical Forestry and Forest Products, Universiti Putra | Masters student/Research assistant | 2013-2015 |

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| | | Malaysia | | |
| 10. | Mohammad Naquiuddin Mohd Zolkepli | Faculty of Engineering, Universiti Putra Malaysia | Industrial training student | 2014 |
| 11. | Muhammad Kamarul Azroy Azid | Faculty of Forestry, Universiti Putra Malaysia | Industrial training student | 2014 |
| 12. | Annur Aiman Baharudin | Institute of Bioscience, Universiti Putra Malaysia | Research assistant | 2010-2011 |
| 13. | Lailatul Maziah Sohari | Institute of Bioscience, Universiti Putra Malaysia | Research assistant | 2010-2011 |
| 14. | Ai Rene Yoo | Twintech International University College Of Technology | Industrial training student | 2010 |

E. PUBLICATIONS

a. JOURNALS

| No. | Name of Writer (s) | Year Published | Title | Name of Journal | Volume | Page | Impact Factor/ Quartile /Indexed |
|-----|--|-------------------|---|--|--------|-------|---|
| 1. | A. A. Shamsuri, Z. A. Sumadin | 2018 | Influence of Hydrophobic and Hydrophilic Mineral Fillers on Processing, Tensile and Impact Properties of LDPE/KCF Biocomposites | Composites Communications | 9 | 65-69 | Scopus |
| 2. | A. A. Shamsuri | 2018 | Compatibilization Potential of Ionic Liquid-Based Surfactants for Polymer Blends | Academic Journal of Polymer Science | 1 | 1-2 | - |
| 3. | A. A. Shamsuri, M. I. Syariff Tan | 2017 | Mechanical Properties of Hybridized Kenaf/Chitosan Fibres Reinforced Polyethylene Biocomposites | Journal of Scientific and Engineering Research | 4 (4) | 22-27 | - |

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|----|--|------|--|---|--------|-------------|-----------------|
| 4. | A.K. Sudari, A.A. Shamsuri , E.S. Zainudin and P.M. Tahir | 2017 | Exploration on Compatibilizing Effect of Non-Ionic, Anionic and Cationic Surfactants on Mechanical, Morphological and Chemical Properties of High Density Polyethylene/Low Density Polyethylene/Cellulose Biocomposites | Journal of Thermoplastic Composite Materials | 30 (6) | 855- 884 | 1.250 Q2 |
| 5. | A. A. Shamsuri , M.I. Awing and M.L.M. Tawil | 2016 | Calculation of Measurement Uncertainty for Tensile Strength and Flexural Strength of Thermoplastic | Asian Research Journal of Mathematics | 1 (3) | 1-11 | - |
| 6. | A. A. Shamsuri , M. N. M. Zolkepli, A. H. M. Ariff, A. K. Sudari and M. A. Zarin | 2015 | A Preliminary Investigation on Processing, Mechanical and Thermal Properties of Polyethylene/Kenaf Biocomposites added with Dolomite as Secondary Filler | Journal of Composites | 2015 | 1-7 | - |
| 7. | A.A. Shamsuri | 2015 | Compression Moulding Technique for Manufacturing Biocomposite Products | International Journal of Applied Science and Technology | 5 (3) | 23- 26 | - |
| 8. | A.A. Shamsuri , A.K. Sudari, E.S. Zainudin & M. Ghazali | 2015 | Effect of Alkaline Treatment on Physico- mechanical Properties of Black Rice Husk Ash Filled Polypropylene Biocomposites | Materials Testing | 57 (4) | 370- 376 | 0.335 Q4 |
| 9. | A.A. Shamsuri & R. Daik | 2015 | Applications of Ionic Liquids and Their Mixtures for Preparation of Advanced Polymer Blends and Composites: A Short Review | Reviews on Advanced Materials Science | 40 (1) | 45- 59 | 1.161 Q3 |

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| 10. | A.A. Shamsuri , M.K.A. Azid, A.H.M. Ariff & A.K. Sudari | 2014 | Influence of Surface Treatment on Tensile Properties of Low-Density Polyethylene/Cellulose Woven Biocomposites: A Preliminary Study | Polymers | 6 (9) | 2345 – 2356 | 3.681 Q1 |
| 11. | A.A. Shamsuri , R. Daik, E.S. Zainudin & P.M. Tahir | 2014 | Compatibilization of HDPE/Agar Biocomposites with Eutectic-Based Ionic Liquid Containing Surfactant | Journal of Reinforced Plastics and Composites | 33 (5) | 440– 453 | 1.503 Q2 |
| 12. | A.A. Shamsuri & R. Daik | 2013 | Utilization of Ionic Liquid/Urea Mixture as a Physical Coupling Agent for Agarose/Talc Composite Films | Materials | 6 (2) | 682– 698 | 2.651 Q1 |
| 13. | A.A. Shamsuri & D.K. Abdullah | 2012 | A Preliminary Study of Oxidation of Lignin from Rubber Wood to Vanillin in Ionic Liquid Medium | Oxidation Communications | 35 (3) | 767– 775 | 0.451 Q4 |
| 14. | A.A. Shamsuri & R. Daik | 2012 | Plasticizing Effect of Choline Chloride/Urea Eutectic-Based Ionic Liquid on Physicochemical Properties of Agarose Films | BioResources | 7 (4) | 4760 – 4775 | 1.425 Q1 |
| 15. | A.A. Shamsuri , D.K. Abdullah & R. Daik | 2012 | Fabrication of Agar/Biopolymer Blend Aerogels in Ionic Liquid and Co-solvent Mixture | Cellulose Chemistry and Technology | 46 (1-2) | 45– 52 | 0.675 Q3 |
| 16. | M.F. Nazarudin, A.A. Shamsuri & M.N. Shamsudin | 2011 | Preparation and Physicochemical Evaluation of Biodegradable Magnetic κ -Carrageenan Beads and Application for Chromium Ions Pre-concentration | Journal of the Chilean Chemical Society | 56 (4) | 891– 894 | 0.353 Q4 |

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| 17. | M.F. Nazarudin, A.A. Shamsuri & M.N. Shamsudin | 2011 | Physicochemical Characterization of Chitosan/Agar Blend Gel Beads Prepared Via the Interphase Method with Different Drying Techniques | International Journal of Pure and Applied Sciences and Technology | 3 (1) | 35–43 | - |
| 18. | A.A. Shamsuri & D.K. Abdullah | 2011 | Synthesizing of Ionic Liquids from Different Chemical Pathways | International Journal of Applied Chemistry | 7 (1) | 15–23 | Scopus |
| 19. | A.A. Shamsuri & D.K. Abdullah | 2011 | Complexation Reaction Using Ammonium Based Chloride Compounds for Preparation of Eutectic Mixtures | International Journal of Chemistry | 3 (1) | 161–165 | - |
| 20. | K. Dzulkefly, H.F. Khoh, F.B.H. Ahmad, S. Adlie Ahmad & W.H. Lim | 2010 | Solvent-free esterification process for the synthesis of glucose bolaform surfactants | Oriental Journal of Chemistry | 26 (3) | 747–752 | Scopus |
| 21. | A.A. Shamsuri & D.K. Abdullah | 2010 | Ionic Liquids: Preparations and Limitations | Makara of Science Series | 14 (2) | 101–106 | - |
| 22. | A.A. Shamsuri & D.K. Abdullah | 2010 | Isolation and Characterization of Lignin from Rubber Wood in Ionic Liquid Medium | Modern Applied Science | 4 (11) | 19–27 | Scopus |
| 23. | A.A. Shamsuri & D.K. Abdullah | 2010 | Protonation and Complexation Approaches for Production of Protic Eutectic Ionic Liquids | Journal of Physical Science | 21 (1) | 15–28 | Scopus |
| 24. | A.A. Shamsuri , R. Daik, I. Ahmad & M.H.H. Jumali | 2009 | Nylon-6/liquid natural rubber blends prepared via emulsion dispersion | Journal of Polymer Research | 16 (4) | 381–387 | 1.920 Q2 |

b. PROCEEDING(S)

| No. | Name of Writer(s) | Year Published | Title | Name of Seminar / Conference | Page Number |
|-----|--|----------------|---|--|-------------|
| 1. | A.A. Shamsuri , M.S. Salit, M.H. Manap, M.L. Mohd Tawil, S.S. Osman Al-Edrus, H.H. Ali & M.A. Faesal Fauzi | 2017 | Production of PUTRA Frame using Biocomposite Materials | Wood and Biofiber International Conference 2017 (WOBIC 2017) | 6 |
| 2. | M.I. Awing, A.A. Shamsuri & E.S. Zainudin | 2017 | Study on Processing Characteristics of High-Density Polyethylene (HDPE)/Bamboo Fibre Biocomposites with Incorporation of Hydrophobic, Hydrophilic Ionic Liquids and Their Mixture | Wood and Biofiber International Conference 2017 (WOBIC 2017) | 9 |
| 3. | A.K. Sudari, A.A. Shamsuri , E.S. Zainudin & P.M. Tahir | 2015 | The Effect of Cationic, Anionic and Non-Ionic Surfactants on the Chemical Properties of HDPE/LDPE/Cellulose Biocomposites | INTROP Research Colloquium 2015 | 32 |
| 4. | A.A. Shamsuri , A.K. Sudari & M.I. Awing | 2015 | Study on Mechanical Properties of HDPE/Kenaf Biocomposites Containing Ionic Liquids and Mixture of Ionic Liquids | INTROP Research Colloquium 2015 | 44 |
| 5. | A.A. Shamsuri , A.K. Sudari, M.N.M. Zolkepli, A.H.M. Ariff & M.A. Zarin | 2015 | Enhancing Mechanical Properties of Polymer/Kenaf Biocomposites by using Mineral | PUTRA Research Symposium 2015, UPM | 20 |
| 6. | A.K. Sudari, A.A. Shamsuri , E.S. Zainudin & P.M. Tahir | 2015 | Exploration on Compatibilizing Effect of Non-Ionic, Anionic and Cationic Surfactants on Mechanical Properties of High Density Polyethylene/Low Density Polyethylene/Cellulose Biocomposites | Postgraduate Symposium on Biocomposite Technology 2015 | 97-103 |

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|-----|--|------|--|---|---------|
| 7. | A.A. Shamsuri, R. Daik, E.S. Zainudin & P.M. Tahir | 2014 | Ionic Mixture-Compatibilized Biocomposites with Improved Mechanical Properties | Invention, Research and Innovation Exhibition 2014, UPM | 331-332 |
| 8. | A.A. Shamsuri & R. Daik | 2012 | Penggunaan Cecair Ionik Eutektik sebagai Pemplastik untuk Filem Berasaskan Agarosa | Kolokium Siswazah Ke-12, FST, UKM | 461-463 |
| 9. | M.N. Shamsudin, M.F. Nazarudin & A.A. Shamsuri | 2012 | Preparation and Physicochemical Evaluation of Biodegradable Magnetic κ -Carrageenan Beads and Application for Chromium Ions Pre-Concentration | Invention, Research and Innovation Exhibition 2012, UPM | 214-215 |
| 10. | D.K. Abdullah, A.M. Alhassan, A. Kassim & A.A. Shamsuri | 2011 | Improved Enzymatic Digestibility of Rubber Wood Cellulose by Combinatorial Acid and Alkali Pretreatments for Bioethanol Production | The 3 rd Regional Fundamental Science Congress 2011, FS, UPM | 125-126 |
| 11. | A.A. Shamsuri, R. Daik, I. Ahmad & M.H. Jumali | 2009 | Properties and Preparation of Nylon-6/Liquid Natural Rubber/Montmorillonite Nanocomposites via Emulsion Dispersion | 17 th International Conference on Composites or Nano Engineering, Honolulu, Hawaii | 915 |
| 12. | A.A. Shamsuri, R. Daik, & I. Ahmad | 2008 | Penyediaan Nanokomposit Nylon-6/Getah Asli Cecair/Tanah Liat melalui Kaedah Penyebaran Emulsi | Kolokium Siswazah Ke-8, FST, UKM | 308-310 |
| 13. | A.A. Shamsuri, R. Daik, & I. Ahmad | 2007 | Rubber Toughened Nylon-6 Blends Prepared via Emulsion Dispersion | 12 th Asian Chemical Congress (12ACC), PWTC, KL | 394 |

c. REVIEWING(S)

| No. | Title | Author(s) | Journal | Year Reviewed |
|-----|--|---------------------|---|---------------|
| 1. | Characteristics and Reliability of Polyurethane Wood Ash Composites | Undisclosed authors | Journal of Materials Science Research and Reviews | 2018 |
| 2. | Halloysite Nanoclay Polymer Composite: Synthesis, Characterization and Effect on Water | Undisclosed authors | Chemical Science International Journal | 2018 |

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| | Retention Behaviour of Soil | | | |
| 3. | Bentonite nanoclay assisted hydrophilic nylon fabrics | Undisclosed authors | Chemical Science International Journal | 2018 |
| 4. | The study of chemical, mechanical, thermal, and morphological properties of poly lactic acid-nano hydroxyapatite composite scaffold | Undisclosed authors | Chemical Science International Journal | 2018 |
| 5. | Synthesis, characterization of novel cationic polyurethane polymeric surfactants: content saturated chain | Undisclosed authors | Asian Journal of Applied Chemistry Research | 2018 |
| 6. | Synthesis of wheat- atta enriched nano clay polymer composite and evaluation of its effect on soil water properties | Undisclosed authors | Journal of Agriculture and Ecology Research International | 2018 |
| 7. | Physical and flammability properties of kenaf and pineapple leaf fibre hybrid composites | M. Asim, M. Jawaid, M. Nasir & N. Saba | IOP Conference Series: Materials Science and Engineering- WOBIC2017 | 2017 |
| 8. | Studies on the mechanical properties of Ricinoleic acid Linear low density polyethylene (LLDPE) with Egg shell powder composite | Undisclosed authors | Journal of Applied Chemical Science International | 2017 |
| 9. | Gamma-radiation-induced HDPE/Wood composite: studies of morphological, mechanical and thermal properties of the blends | Undisclosed authors | Chemical Science International Journal | 2017 |
| 10. | Integration of agrowaste in fibrous form in DIY composites for design applications | Undisclosed authors | Current Journal of Applied Science and Technology | 2017 |
| 11. | Mechanical and barrier properties of kappa-carrageenan/cellulose nanocrystals hydrogel bio-nanocomposites | S. Azizi & R. Mohamad | IOP Conference Series: Materials Science and Engineering- WOBIC2017 | 2017 |
| 12. | Effects of microcrystalline cellulose on the mechanical properties of low density polyethylene | Mubarak Yousef & Abdulsamad Raghda | Journal of Thermoplastic Composite Materials | 2017 |
| 13. | Mechanical behavior of agricultural waste fibers reinforced vinyl ester bio-composites | Undisclosed authors | Asian Journal of Physical and Chemical Sciences | 2017 |

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|-----|--|---------------------|---|------|
| 14. | Effect of alkali-treated bamboo fibers on some mechanical properties of virgin high density polyethylene | Undisclosed authors | Archives of Current Research International | 2017 |
| 15. | Investigation on the strength properties of kenaf/epoxy composite filled with mesoporous silica for wind turbine applications | Undisclosed authors | Pertanika Journal of Science & Technology | 2017 |
| 16. | Mechanical and thermal properties of natural fiber based hybrid composites: A review | Undisclosed authors | Pertanika Journal of Science & Technology | 2016 |
| 17. | A Comparison of Banana Fiber Thermal Insulation with Conventional Building Thermal Insulation | Undisclosed authors | British Journal of Applied Science & Technology | 2016 |
| 18. | The effects of boric acid on fiberboard made from wood/secondary fiber mixtures: Part 2. utilization of recycled old corrugated container fibers | Undisclosed authors | American Chemical Science Journal | 2016 |
| 19. | Investigation on the strength properties of kenaf/epoxy composite filled with mesoporous silica for wind turbine applications | Undisclosed authors | Pertanika Journal of Science & Technology | 2016 |
| 20. | Water absorption and water solubility properties of sago starch blended with sugar palm particles (SPP) films | Undisclosed authors | Pertanika Journal of Tropical Agricultural Science | 2016 |
| 21. | Study on the degradation of cellulose acetate fiber, a review | Undisclosed authors | Journal of Applied Chemical Science International | 2016 |
| 22. | Effect of agar on physical properties of thermoplastic starch derived from sugar palm tree | Undisclosed authors | Pertanika Journal of Science & Technology | 2016 |
| 23. | Poly(hydroxybutyrate-co-valerate)/empty fruit bunches blended with NPK fertilizer for slow release fertilizer composites | Undisclosed authors | Pertanika Journal of Tropical Agricultural Science | 2016 |
| 24. | Study of thermodynamic stability of various allomorphs of cellulose | Undisclosed authors | Journal of Basic and Applied Research International | 2016 |

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|-----|---|---|--|------|
| 25. | Investigation for dimensional accuracy of AMC prepared by FDM assisted investment casting using nylon-6 waste based reinforced filament | Rupinder Singh, Jagdeep Singh & Sunpreet Singh | Measurement | 2015 |
| 26. | Effect of rubberwood content on biodegradability and mechanical properties | Hemhong Anankaphong, Duanghathai Pentrakoon & Jirawut Junkasem | International Journal of Polymer Science | 2015 |
| 27. | Waste materials from Tetra Pak packages as reinforcement of polymer concrete | Miguel Martínez-López, Gonzalo Martínez-Barrera, Carlos Barrera-Díaz, Fernando Ureña-Núñez & Witold Brostow | International Journal of Polymer Science | 2015 |
| 28. | Dissolution of cellulose in various imidazolium protic ionic liquids | Undisclosed authors | International Research Journal of Pure and Applied Chemistry | 2015 |
| 29. | Synthesis of cetylpyridiniumtribromide (CetPyTB) reagent by noble synthetic route and bromination of organic compounds using CetPyTB | Undisclosed authors | Chemistry International | 2015 |
| 30. | Correlation between electrical properties and potentiometric response of CS-Clay nanocomposite membranes | M. Oviedo Mendoza, O. Arias de Fuentes, E. Prokhorov, G. Luna Barcenás, & E. Padilla Ortega | Advances in Materials Science and Engineering | 2015 |
| 31. | Characterization of Vietnamese lacquer collected in different season | Rong Lu, Kenichiro Anzai, Bach Trong Phuc, & Tetsuo Miyakoshi | International Journal of Polymer Science | 2015 |
| 32. | Mechanical behavior of interface between composite geomembrane and permeable cushion material | Wu Haimin, Shu Yiming, Dai Linjun, & Teng Zhaoming | Advances in Materials Science and Engineering | 2014 |
| 33. | Applied research on new materials in product design | R. S. Yan, & M. Wang | Materials Research Innovations | 2014 |
| 34. | Preparation and characterization of polyethylene glycol/calcium silicate | T. T. Qian, J. H. Li, & Y. Deng | Materials Research Innovations | 2014 |

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| | shape-stabilized composite phase change material | | | |
| 35. | The surface modification of tourmaline powder with allyl glycidyl ether and characterization | Ying-mo Hu | Advances in Materials Science and Engineering | 2014 |
| 36. | Experimental investigation on use of wheat straw ash and bentonite in self compacting cementitious system | Rao Arsalan Khushnood, Syed Ali Rizwan, Shazim Ali Memon, Jean-Marc Tulliani, & Giuseppe Andrea Ferro | Advances in Materials Science and Engineering | 2014 |
| 37. | Research on interfacial properties of GF/PVC composite materials modified by DAOP | Qi Lin Mei, Yujie Ding, Xiujuan Liu, Jun Xiao, & Zhi Xiong Huang | Materials Research Innovations | 2014 |
| 38. | Effect of surface-treatments on tribological and mechanical properties of POM composites filled with bamboo fibers | Pinshu Mo, Dinghan Xiang, & Yuanyuan Chen | Materials Research Innovations | 2014 |
| 39. | Theoretical estimation on the electrical percolation threshold for polymer matrix composites with hybrid conductive fillers | Yuli Chen, Fei Pan, Shengtao Wang, & Jianyu Zhang | Advances in Materials Science and Engineering | 2014 |

F. RESEARCH GRANTS

| No. | Title | Role (Main / Co-researcher) | Sponsor / Grant and Amount (RM) | Period (year) | Status (Completed / Ongoing / Approved) |
|-----|---|-----------------------------|--|----------------------------------|---|
| 1. | Development of Stable Bioplastic/Biopolymer Blends Compatibilized by Ionic Liquid-Based Surfactants | Main researcher | Universiti Putra Malaysia (Putra Grant IPM) RM 60,000 | 4.12.2017 – 4.12.2019 (2 years) | On going |
| 2. | Application of Hydrophilic, Hydrophobic Ionic Liquids and Their Mixtures for Improving Physical Properties of Polyethylene/Natural Fibers Biocomposites | Main researcher | Ministry of Science, Technology and Innovation, Malaysia (ScienceFund) RM 142,000 | 1.3.2014 – 30.8.2016 (2 ½ years) | Completed |

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| 3. | Compatibilization of Polyolefin/Polysaccharides Biocomposites with Non-ionic and Ionic Surfactants | Co-researcher | Ministry of Education, Malaysia (ERGS) RM 81,000 | 1.6.2013 – 31.12.2015 (2 ½ years) | Completed |
| 4. | Fabrication and Characterization of Biopolymer Aerogels in Room-Temperature Ionic Liquids Medium | Main researcher | Ministry of Science, Technology and Innovation, Malaysia (ScienceFund) RM 167,000 | 1.11.2009 – 31.10.2012 (3 years) | Completed |
| 5. | Isolation and Transformation of Lignin to Vanillin from Rubber Wood in Ionic Liquid Medium | Main researcher | Universiti Putra Malaysia (RUGS) RM 30,000 | 27.8.2009 – 27.12.2011 (2 ¼ years) | Completed |

G. PROFESSIONAL AWARDS

| No. | Name of Award | Award Authority | Year |
|-----|-------------------------------|---------------------------|------|
| 1. | Excellent Service Award | Universiti Putra Malaysia | 2017 |
| 2. | Excellent Service Award | Universiti Putra Malaysia | 2016 |
| 3. | PRPI 2016 | Universiti Putra Malaysia | 2016 |
| 4. | Research Officer Q43/44 Award | Universiti Putra Malaysia | 2016 |
| 5. | Excellent Service Award | Universiti Putra Malaysia | 2015 |
| 6. | Excellent Service Award | Universiti Putra Malaysia | 2014 |
| 7. | PRPI 2014 | Universiti Putra Malaysia | 2014 |
| 8. | Excellent Service Award | Universiti Putra Malaysia | 2013 |
| 9. | PRPI 2012 | Universiti Putra Malaysia | 2012 |
| 10. | Excellent Service Award | Universiti Putra Malaysia | 2012 |

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| 11. | Excellent Service Award | Universiti Putra Malaysia | 2011 |
| 12. | Excellent Service Award | Universiti Putra Malaysia | 2010 |
| 13. | Excellent Service Award | Universiti Putra Malaysia | 2009 |

H. INVOLVEMENT IN PROFESSIONAL ASSOCIATION / ORGANIZATION / BODY

| No. | Name of Association / Organization / Body | Role (President / Secretary / Committee Member / Ordinary Member) |
|------------|--|--|
| 1. | INTROP Staff Club | Chairman (2017-2019) |
| 2. | INTROP Staff Club | Chairman (2015-2017) |
| 3. | American Journal of Physical Chemistry | Editorial Board Member |
| 4. | SciFed Nanotech Research Letters | Editorial Board Member |
| 5. | Academic Journal of Polymer Science | Editorial Board Member |
| 6. | SCIREA Journal of Materials | Editorial Board Member |
| 7. | Research Officer Association of UPM | Ordinary Member |