



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. University : UNIVERSITI PUTRA MALAYSIA
- e. Field of Specialization: POLYMER BLENDS, POLYMER COMPOSITES, IONIC LIQUIDS
- f. Citation Indices:

Google Scholar	All
Citations	298
h-index	10
i10-index	10

Scopus	All
Citations	151
h-index	8

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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

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

	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

		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 Communicatio ns	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	-

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

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

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

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.	Properties of Gypsum Based Boards Made From Mixtures of Wood and Rice straw	Undisclosed authors	International Research Journal of Pure and Applied Chemistry	2019
2.	The Effect of Thermoplastic Starch on the Properties of Polypropylene/ High Density Polyethylene Blend	Yassine Hammache, Aicha Serier & Saliha Chaoui	Heliyon	2019

	reinforced by Nano-Clay			
3.	Lightweight polypropylene/high-density polyethylene based blends and composites with improved toughness	Parameswaranpillai Jyotishkumar, Pulikkal Parambil Harikrishnan, MR Sanjay & Siengchin Suchart	Materials Research Express	2019
4.	Processing, properties and applications of oxide bonded porous SiC ceramics – an overview	Undisclosed authors	Journal of Materials Science Research and Reviews	2018
5.	Properties of Glass Fiber Hybridized Woven Flax and Sisal Fabric Hybrid Composites	Undisclosed authors	Journal of Basic and Applied Research International	2018
6.	Thermal and Mechanical Studies of Polymer Supported Polyesters Based on Mustard Oil	Undisclosed authors	Journal of Basic and Applied Research International	2018
7.	Characteristics and Reliability of Polyurethane Wood Ash Composites	Undisclosed authors	Journal of Materials Science Research and Reviews	2018
8.	Halloysite Nanoclay Polymer Composite: Synthesis, Characterization and Effect on Water Retention Behaviour of Soil	Undisclosed authors	Chemical Science International Journal	2018
9.	Bentonite nanoclay assisted hydrophilic nylon fabrics	Undisclosed authors	Chemical Science International Journal	2018
10.	The study of chemical, mechanical, thermal, and morphological properties of poly lactic acid-nano hydroxyapatite composite scaffold	Undisclosed authors	Chemical Science International Journal	2018
11.	Synthesis, characterization of novel cationic polyurethane polymeric surfactants: content saturated chain	Undisclosed authors	Asian Journal of Applied Chemistry Research	2018
12.	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
13.	Physical and flammability properties of kenaf and pineapple leaf fibre hybrid composites	M. Asim, M. Jawaaid, M. Nasir & N. Saba	IOP Conference Series: Materials Science and Engineering-	2017

			WOBIC2017	
14.	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
15.	Gamma-radiation-induced HDPE/Wood composite: studies of morphological, mechanical and thermal properties of the blends	Undisclosed authors	Chemical Science International Journal	2017
16.	Integration of agrowaste in fibrous form in DIY composites for design applications	Undisclosed authors	Current Journal of Applied Science and Technology	2017
17.	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
18.	Effects of microcrystalline cellulose on the mechanical properties of low density polyethylene	Mubarak Yousef & Abdulsamad Raghda	Journal of Thermoplastic Composite Materials	2017
19.	Mechanical behavior of agricultural waste fibers reinforced vinyl ester bio-composites	Undisclosed authors	Asian Journal of Physical and Chemical Sciences	2017
20.	Effect of alkali-treated bamboo fibers on some mechanical properties of virgin high density polyethylene	Undisclosed authors	Archives of Current Research International	2017
21.	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
22.	Mechanical and thermal properties of natural fiber based hybrid composites: A review	Undisclosed authors	Pertanika Journal of Science & Technology	2016
23.	A Comparison of Banana Fiber Thermal Insulation with Conventional Building Thermal Insulation	Undisclosed authors	British Journal of Applied Science & Technology	2016
24.	The effects of boric acid on fiberboard made from wood/secondary fiber mixtures: Part	Undisclosed authors	American Chemical Science Journal	2016

	2. utilization of recycled old corrugated container fibers			
25.	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
26.	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
27.	Study on the degradation of cellulose acetate fiber, a review	Undisclosed authors	Journal of Applied Chemical Science International	2016
28.	Effect of agar on physical properties of thermoplastic starch derived from sugar palm tree	Undisclosed authors	Pertanika Journal of Science & Technology	2016
29.	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
30.	Study of thermodynamic stability of various allomorphs of cellulose	Undisclosed authors	Journal of Basic and Applied Research International	2016
31.	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
32.	Effect of rubberwood content on biodegradability and mechanical properties	Hemhong Anankaphong, Duanghathai Pentrakoon & Jirawut Junkasem	International Journal of Polymer Science	2015
33.	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
34.	Dissolution of cellulose in various	Undisclosed authors	International Research	2015

	imidazolium protic ionic liquids		Journal of Pure and Applied Chemistry	
35.	Synthesis of cetylpyridiniumtribromide (CetPyTB) reagent by noble synthetic route and bromination of organic compounds using CetPyTB	Undisclosed authors	Chemistry International	2015
36.	Correlation between electrical properties and potentiometric response of CS-Clay nanocomposite membranes	M. Oviedo Mendoza, O. Arias de Fuentes, E. Prokhorov, G. Luna Barcenas, & E. Padilla Ortega	Advances in Materials Science and Engineering	2015
37.	Characterization of Vietnamese lacquer collected in different season	Rong Lu, Kenichiro Anzai, Bach Trong Phuc, & Tetsuo Miyakoshi	International Journal of Polymer Science	2015
38.	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
39.	Applied research on new materials in product design	R. S. Yan, & M. Wang	Materials Research Innovations	2014
40.	Preparation and characterization of polyethylene glycol/calcium silicate shape-stabilized composite phase change material	T. T. Qian, J. H. Li, & Y. Deng	Materials Research Innovations	2014
41.	The surface modification of tourmaline powder with allyl glycidyl ether and characterization	Ying-mo Hu	Advances in Materials Science and Engineering	2014
42.	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
43.	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
44.	Effect of surface-treatments on tribological and mechanical	Pinshu Mo, Dinghan Xiang, & Yuanyuan	Materials Research Innovations	2014

	properties of POM composites filled with bamboo fibers	Chen		
45.	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
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)	27.8.2009 – 27.12.2011 (2 ¼ years)	Completed

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G. PROFESSIONAL AWARDS

No.	Name of Award	Award Authority	Year
1.	Excellent Service Award	Universiti Putra Malaysia	2018
2.	Excellent Service Award	Universiti Putra Malaysia	2017
3.	Excellent Service Award	Universiti Putra Malaysia	2016
4.	PRPI 2016	Universiti Putra Malaysia	2016
5.	Research Officer Q43/44 Award	Universiti Putra Malaysia	2016
6.	Excellent Service Award	Universiti Putra Malaysia	2015
7.	Excellent Service Award	Universiti Putra Malaysia	2014
8.	PRPI 2014	Universiti Putra Malaysia	2014
9.	Excellent Service Award	Universiti Putra Malaysia	2013
10.	PRPI 2012	Universiti Putra Malaysia	2012
11.	Excellent Service Award	Universiti Putra Malaysia	2012
12.	Excellent Service Award	Universiti Putra Malaysia	2011
13.	Excellent Service Award	Universiti Putra Malaysia	2010
14.	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.	Journal of Materials Science Research and Reviews	Editorial Board Member
4.	American Journal of Physical Chemistry	Editorial Board Member

5.	SciFed Nanotech Research Letters	Editorial Board Member
6.	Academic Journal of Polymer Science	Editorial Board Member
7.	SCIREA Journal of Materials	Editorial Board Member
8.	SCIREA Journal of Mine Engineering	Editorial Board Member
9.	Research Officer Association of UPM	Ordinary Member