DR. SHARIL FADLI MOHAMAD ZAMRI

PARTICULARS

Age	:	37
Gender	:	Male
Date of Birth	:	17 April 1981
Place of Birth	:	Ipoh, Perak
Nationality	:	Malaysian
Marital Status	:	Married

RESEARCH INTERESTS

- Ionic Conducting Polymer
- Polymer Chemistry
- Nanotechnology
- Advanced Materials

ANALYTICAL SKILLS

- Differential Scanning Calorimetry
- Dynamic Mechanical Analysis
- Electrochemical Impedance Spectroscopy
- Elemental Analysis
- Fourier-transform Infrared Spectroscopy
- Optical Microscope
- Scanning Electron Microscope
- Tensile Strength Analysis
- Thermogravimetric Analysis
- X-Ray Diffraction Analysis

WORKING ADDRESS

School of Chemistry & Environment Studies
Faculty of Applied Science
Universiti Teknologi MARA
40450 Shah Alam
Selangor, Malaysia
Tel: +60 3 55438472

QUALIFICATION

2012 – 2018 PhD in Material Science (Polymer)
Universiti Teknologi MARA, Malaysia
Thesis title:
Effects of Modified SiO_2 Fillers on Properties of PMMA/ENR 50 Blends Electrolytes

2004 – 2008 Master of Science in Polymer Chemistry
Universiti Putra Malaysia, Malaysia
Thesis title:
Microwave-Assisted Preparation and Characterization of Natural Rubber/Modified Sodium Montmorillonite/Poly(Methylmethacrylate) Interpenetrating Polymer Network Nanocomposites

2001 – 2004 Bac. Sc. (Hons.) Chemistry
Universiti Putra Malaysia, Malaysia
Thesis title:
Synthesis and Characterization of New Liquid Crystalline Containing S-Benzyldithiocarbazate and Benzene-1,3,5-tricarboxylic Trichloride

EMPLOYMENT HISTORY

Duration	Position	Organization
2013 – Present (5 years)	Senior Lecturer (Chemistry)	Universiti Teknologi MARA, Malaysia
2007 – 2013 (6 years)	Lecturer (A-Level Chemistry)	INTEC Education College, Malaysia
2006 – 2007 (2 years)	R&D Engineer	Nitto Denko Materials (Malaysia) Sdn. Bhd., Malaysia

RESEARCH EXPERIENCES

i) RESEARCH GRANT

Year	Title	Amount (MYR)	Duration (Years)	Status
2017	Effect of Molecular Weight on The Conductivity Performance of Polymer Electrolyte System	32 000.00	1	Active
2015	Synthesis and Application of Conducting Polymers Research Group	32 000.00	1	Completed
2014	Dissolution Mechanism Eco-Friendly Cellulose Based Adsorbent	80 000.00	2	Completed
2013	Ionic Conductivity Analyses of Newly Synthesized Acid-Doped Liquid Polymer Electrolyte Base on Poly(Methyl Methacrylate)	6 000.00	1	Completed
2013	Effects of Organically Modified SiO_2 on The Homogeneity and Ionic Conductivity of Doped PMMA/ENR 50 Composite Electrolyte	80 000.00	2	Completed
2009	Synthesis and Characterization of PMMA/Grass Fiber Composites	10 000.00	1	Completed

ii) FINAL YEAR DISSERTATION SUPERVISION

- Nimi Juaping (2018) Synthesis and Characterization of Sodium Sulphate Doped Modified Natural Rubber.
- Nurul Afiqah Binti Mohd Fadli (2018) Preparation and Characterization of Hydrochloric Acid Modified Natural Rubber.
- Nur Siti Baizurah Binti Pelong (2017) Effects of Reaction Time on Properties of Nitric Acid Modified 50% Epoxidized Natural Rubber.
- Siti Syahida Binti Rosli (2017) Appearance, Physical and Thermal Study on Modification of 50% Epoxidized Natural Rubber at Varies Concentration of Hydrochloric Acid.
- Muhammad Yusuf Bin Roseland (2017) Effect of Reaction Time on The Properties of Sulfuric Acid Modified Epoxidized Natural Rubber.
- Nur Farhanah Nadiah Binti Mohd Ridzwan (2017) Determination of Structural, Physical and Thermal Properties of Modified 50 % Epoxidized Natural Rubber with Hydrochloric Acid at Various Reaction Period.
- Muhammad Faiz Bin Mat Masuan (2017) Effect of Acid Concentration on the Properties of Sulfuric Acid Modified Epoxidized Natural Rubber.
- Siti Aishah Binti Mohamad Rosidek (2017) Effect of Acid Concentration on Properties of Nitric Acid (HNO_3) Modified Epoxidized Natural Rubber (ENR 50).
- Muhammad Hakim Bin Halim (2016) Thermal, Morphology and Electrochemical Study of Plasticized Silicon Dioxide Filled Polymethyl Methacrylate/50% Epoxidized Natural Rubber Electrolytes.
- Siti Munirah Binti Ruslan (2016) Thermal, Morphology and Electrochemical Studies of Plasticized Poly(Methacrylate)/50% Epoxidized Natural Rubber Electrolytes.
- Nur Izzati Binti Ramli (2015) Alcohol as SiO_2 Modifier Enhancing Homogeneity and Ionic Conductivity of PMMA/ENR 50 Electrolytes.
- Nur Fathihah Binti Tajul Arifin (2015) Ionic Conductivity and Blend Properties Study of HCl-SiO_2 Filled PMMA/ENR 50 Electrolytes.
- Mohd Nurazzi Bin Norizan (2011) Effect of Fiber Loading on Mechanical and Thermal Properties of Treated Lalang-PP Composite.

TEACHING & SUPERVISORY EXPERIENCES

i) Teaching Experience

Level	Teaching theory	Experience (Years)
Bachelor Degree	Polymer & Material Technology	1
Bachelor Degree	Chemistry & Technology of Polymer	4
Bachelor Degree	Electrochemistry & Corrosion Science	4
Bachelor Degree	Physical Chemistry	4
Bachelor Degree	General Chemistry	2
A-Level	Chemistry	6

ii) Supervisory Experience

Level	Supervision	Experience (Years)
Bachelor Degree	Final Year Dissertation	4
Bachelor Degree	Laboratory session	5
A-level	Laboratory session	6

ADMINISTRATIVE EXPERIENCES

Level	Role	Experience (Years)
Faculty	Faculty internship Coordinator	4
Faculty	Colloquium committee	2
Faculty	Health and safety committee	2
Program	Curriculum review committee	2
Program	Program internship coordinator	4

LIST OF PUBLICATIONS

i) Main author

Sharil Fadli Mohamad Zamri, Famiza Abdul Latif, Ab Malik Marwan Ali, Ruhani Ibrahim, Siti Izzati Husna Mohd Azuan, Norashima Kamaluddin & Fitrah Hadip (2018) Physical and Thermal Properties of Polymethyl Methacrylate/50 % Epoxidized Natural Rubber/Silicon Dioxide Nanocomposites, *Malaysian Journal of Analytical Sciences*, 22(4), 586 – 593.

Sharil Fadli Mohamad Zamri, Famiza Abdul Latif, Ab Malik Marwan Ali, Ruhani Ibrahim, Siti Izzati Husna Mohd Azuan, Norashima Kamaluddin & Fitrah Hadip (2017) Exploration on Effects of 15 nm SiO_2 Filler on Miscibility, Thermal Stability and Ionic Conductivity of PMMA/ENR 50 Electrolytes. *AIP Conference Proceedings*, 1809, 020049-1–020049-10.

Sharil Fadli Mohamad Zamri, Famiza Abdul Latif, Siti Izzati Husna Mohd Azuan, Ab Malik Marwan Ali, Ruhani Ibrahim, Norashima Kamaluddin & Fitrah Hadip (2016) Comparison studies of SiO_2 and HCl-SiO_2 filler on the film formation and ionic conductivity of PMMA/ENR 50 electrolytes. *Advanced Materials Letters*, 7(6), 456 – 460.

Sharil Fadli Mohamad Zamri & Famiza Abdul Latif (2015) Effects of Acid Modified SiO_2 on Ionic Conductivity and Blend Properties of $LiBF_4$ Doped PMMA/ENR 50 Electrolytes. *Advanced Materials Research*, 1107, 187 – 193.

Sharil Fadli Mohamad Zamri, Famiza Abdul Latif, Ab Malik Marwan Ali, Ruhani Ibrahim, Norashima Kamaluddin & Fitrah Hadip (2014) Ionic conductivity and dielectric properties of LiBF4 doped PMMA/ENR 50 filled acid modified SiO_2 electrolytes. *Procedia Technology, 15*, 850 – 856.

Sharil Fadli Mohamad Zamri & Famiza Abdul Latif (2013) SiO_2 Filler as Interface Modifier in PMMA/ENR 50 Electrolytes. *Advanced Materials Research, 812*, 120 – 124.

Sharil Fadli Mohamad Zamri, Hasratul Nadiah Mohd Rashid, Nurul' Ain Jamion & Rahmah Mohamed (2012) Synthesis and Characterisation of Maleated Polypropylene/Lalang Fiber/Polypropelyne Composites: Optimisation Preparation Conditions and Their Properties. *Malaysian Journal of Analytical Sciences*, 16 (1) 24 – 30.

ii) Co-author

Siti Izzati Husna Mohd Azuana, Famiza Abdul Latif & Sharil Fadli Mohamad Zamri (2016) Effects of Dodecanoic Acid Modified SiO_2 on Filler Dispersion and Ionic Conductivity of PMMA/ENR 50/$LiBF_4$ Electrolytes. *Materials Science Forum*, 846, 528 – 533.

Famiza Latif, Sharil Fadli Mohamad Zamri And Madzlan Aziz (2015) Anions Effect on the Electrical Properties of PMMA/ENR 50 Blend Electrolytes. *Advanced Materials Research*, 1107, 145 – 150.

Norashima Kamaluddin, Famiza Abdul Latif, Chan Chin Han, Ruhani Ibrahim & Sharil Fadli Mohamad Zamri (2015) The Effect of H_2SO_4 Concentration on The Ionic Conductivity of Liquid PMMA Oligomer. *Malaysian Journal of Analytical Sciences,* 19 (4), 658 – 662.

Norashima Kamaluddin, Famiza Abdul Latif, Ruhani Ibrahim, Sharil Fadli Mohamad Zamri (2015) The Potential of Novel Liquid PMMA Oligomer as Electrolyte in Electrochemical Devices. *Proceedings of the 8th International Conference on Environmental and Geological Science and Engineering (EG '15),* 343 – 347.

CONFERENCES ATTENDED

1. 30th Symposium of Malaysia Analytical Sciences (SKAM 30), Hatten Hotel, Bandar Hilir, Melaka, Malaysia, 26 – 29 August 2017
2. International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS) 2016, Steigenberger Hotel Maslak, Istanbul, Turkey, 1 – 3 June 2016.
3. Advanced Materials World Congress (AMWC) 2015, Stockholm, Sweden, 23 – 26 August 2015.
4. 27th Regional Symposium of Malaysia Analytical Sciences (SKAM27), KSL Resort, Johor Bahru, Johor, Malaysia, 9 – 10 December 2014.
5. 2nd International Conference on System-integrated Intelligence (SysInt) 2014, University of Bremen, Germany, 2 – 4 July 2014.
6. 26th Regional Symposium of Malaysia Analytical Sciences (SKAM26), Hilton Kuching Hotel, Kuching, Sarawak, Malaysia, 4 – 5 December 2013.

PROFESSIONAL MEMBERSHIPS

Professional bodies	Role
Malaysian Analytical Sciences Society	Member of Managing Director
Malaysian Analytical Sciences Society	Assistant Sectary
Malaysian Analytical Sciences Society	Life member
International Association of Advanced Materials	Member

OTHER SKILLS

Laboratory Skills	Computer skills
Filler modifications	ChemDraw
Hydraulic hot press	Google Chrome
Microwave assisted polymerization	Journal Online Databases
Polymer modifications	ISIS Draw
Polymerization techniques	MS Excel
Solvent casting	MS PowerPoint
Twin screw internal mixer	MS Word

REFEREES

PhD Supervisor	PhD Co-Supervisor
Associate Professor Dr. Famiza Abdul Latif Faculty of Applied Sciences, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia. Email: famiza@salam.uitm.edu.my Phone: +60 3 5544 3860	Associate Professor Dr. Ab Malik Marwan Ali Faculty of Applied Sciences, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia. Email: ammali@salam.uitm.edu.my Phone: +60 3 5544 4516