



**CURRICULUM VITAE**

<b>I. PERSONAL PARTICULARS</b>			
<b>Name</b>	<b>DR. SITI AMINAH MOHD NOOR</b>		
<b>Current Position Faculty/Department</b>	<b>DS51 / Pusat Asasi Pertahanan</b>		
<b>II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS</b>			
<b>Year</b>	<b>Degree</b>	<b>Discipline</b>	<b>University</b>
2002	Science Matriculation	Science	Malacca Matriculation College
2006	Bachelor of Science (Hons)	Chemistry	Universiti Kebangsaan Malaysia
2010	Master of Science	Chemistry	Universiti Kebangsaan Malaysia
2014	Doctor of Philosophy	Chemistry	Monash University, Australia
<b>III. TITLES OF POSTGRADUATE THESES WRITTEN</b>			
<b>No.</b>	<b>TITLES OF POSTGRADUATE THESES</b>		
1. Master	Penyediaan dan pecirian elektrolit polimer pepejal poli(etilena oksida)-50% getah asli terepoksida-lithium triflat		
2. PhD	Novel electrolytes for emerging sodium energy storage application		
<b>IV. WORK EXPERIENCE</b>			
<b>Year</b>	<b>Position</b>	<b>Field of Work</b>	<b>Place of Work</b>
2005	Practical Training	Water quality  Data Analyst/Data Entry	Brakishwater Aquaculture Research Center, Gelang Patah, Johor
2007	R&D Analyst	Pharmaceutical	YSP Pharmaceutical Sdn Bhd

2008	Research Assistant	Polymer Electrolytes	Universiti Kebangsaan Malaysia
2009 - 2014	Tutor	Chemistry	National Defence University of Malaysia
2015 current	Lecturer	Chemistry	National Defence University of Malaysia

## 1.0 TEACHING AND SUPERVISION

### 1.1 Foundation Courses

No	Course Title	Semester	Year
1.	FKA 0121 – Chemistry Lab I	1	2009
2.	FKA 0241 – Chemistry Lab II	2	2009
3.	FKA 0112 – Chemistry 1	1	2010
4.	FKA 0121 – Chemistry Lab I	1	2010
5.	FKA 0232 – Chemistry III	2	2010
6.	FCH 0216 – Chemistry I	1	2014
7.	FCH 0226 – Chemistry II	2	2014
8.	FCH 0216 – Chemistry I	1	2015
9.	FCH 0226 – Chemistry II	2	2015
10.	FCH 0216 – Chemistry I	1	2016
11.	FCH 0226 – Chemistry II	2	2016
12.	FCH 0216 – Chemistry I	1	2017

### Master and Ph.D Supervision – Co-supervision

No	Name of Student	Project Title	Year	Status
1	Jamilah Karim (PhD) (UKM)	Modified ceramic-based ionic liquid-pvdf-hfp polymer electrolyte for lithium battery application	2014	In Progress
2	Nurul Hazwani Aminuddin Rosli (PhD) (UPNM)		2015	In Progress
3	Nor Haslin Che Su (PhD) (UKM)  <b>Main Supervisor</b>	Gelled sodium electrolytes for sodium secondary batteries	2016	In Progress
4	Siti Nashwa Mohamad Poad (Master) (UKM)  <b>Co-supervisor</b>	Synthesis of novel isoxasolidines via recognition-mediated 1,3-dipolar cycloaddition reactions	2015	In Progress

	in ionic liquids		
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### Supervision – Final year project (Co-supervisor)

No	Name of Student	Project Title	Year	Status
1.	Muhammad Sayuti Mohamed Hassan	Thermal power properties of thermal battery using KCl-LiCl	2014	Finished
2.	Wan Hakim Wan Zu	Thermal power properties of thermal battery using NaCl-LiCl	2015	Finished

## 2.0 RESEARCH AND PUBLICATION

### Research project

No	Title	List of Researchers	Grant Year	Source amount (RM)	Status
1.	Gelled ionic liquid electrolytes for sodium rechargeable secondary batteries	<b>Dr Siti Aminah Mohd Noor (principle)</b> Prof Zu Azhan Yahya Prof Dr Azizan Ahmad Dr Mohd Sukor Su'ait	2014	15,000	Completed
2.	Ionic transport mechanism study of lithium based ionogel electrolytes	<b>Dr Siti Aminah Mohd Noor (principle)</b> Prof Zu Azhan Yahya Prof Dr Azizan Ahmad Nurul Hazwani Aminuddin Rosli	2015	107,200	In Progress
3.	Synthesis and characterization of bio-based ionic liquids from palm kernel oil	Dr Mohd Sukor Su'ait Prof Dr Azizan Ahmad Prof Madya Kahiriah Badri Dr Nur Hasyareeda Hassan Dr Norasikin Ahmad Ludin <b>Dr Siti Aminah Mohd Noor</b>	2015	138,000	In Progress
4.	Characterization of newly developed Ag/Epoxy Polyurethane Bio-nanocomposite	<b>Dr Siti Aminah Mohd Noor (principle)</b> Prof Dr Mansor Ahmad@Ayob Prof dato' Dr Wan Md Zin Wan Yunus Prof Madya Dr Ong Keat Khim Dr Norli Abdullah Dr Fadhina Che Ros En Syed Mohd Shafiq Syed Ahmad	2015	50,000	In Progress
5.	Development of	Dr Nur Hasyareeda Hassan	2016	220,000	In Progress

	a new technique for preparing advanced material (Ionic Liquid gel electrolytes for Li) battery applications	Prof Dr Azizan Ahmad Dr Mohd Sukor Su'ait <b>Dr Siti Aminah Mohd Noor</b> Dr Zulkafli Ghazali			
6.	Strain Tuned ion (Li,Na) Migration in the Iron Hydrosulphate Cathode Material : A First Principles Investigation	Prof. Mohd Zu Azhan Yahya Dr. Mohd Fariz Mohd Taib <b>Dr. Siti Aminah Mohd Noor</b> Dr. Mohd Fadhlul Wafi	2017	75,200	In Progress
7.	Synthesis and Characterisation of Nitrocellulose from Nanocellulose for Green Propellant Preparation	Siti Hasnawati Jamal, Prof Emeritus Dr Wan Md Zin Wan Yunus, Dr Noor Aisyah Ahmad Shah, <b>Dr Siti Aminah Mohd Noor</b> , Lt. Kol Ariffin Ismail	2017	95,700	In Progress
8.	Rapid carbothermic synthesis of silicon carbide by using microwave heating rice husk	Dr. Alinda Samsuri Prof Emiretus Dato' Dr. Wan Md Zin Wan Yunus Dr. Norherdawati Kasim <b>Dr. Siti Aminah Mohd Noor</b> Dr. Intan Juliana Shamsudin Dr. Aniza Ibrahim	2017	40,000	In Progress

## 2.2 Seminars and Publications

### Seminars

No	Authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name)	Level
1.	<b>Siti Aminah Mohd Noor</b> , Norhaslin Che Su, Mohd Zu Azhan Yahya, Nor Sabirin Mohamad, Maria Forsyth, Douglas Macfarlane. 2017. The 66 <sup>th</sup> Society of Polymer Science Japan (SPSJ). Chiba, Japan. 29 <sup>th</sup> – 31 <sup>st</sup> May 2017	International Invited Speaker
2.	<b>Siti Aminah Mohd Noor</b> , Norhaslin Che Su, Mohd Zu Azhan Yahya, Nor Sabirin Mohamad, Maria Forsyth, Douglas Macfarlane. 2017. 3 <sup>rd</sup> International Conference on Sodium Batteries. Geelong, Australia. 7 <sup>th</sup> – 9 <sup>th</sup> December 2016	International Invited Speaker
3.	<b>Siti Aminah Mohd Noor</b> , Norhaslin Che Su, Mohd Zu Azhan Yahya, Nor Sabirin Mohamad, Maria Forsyth, Douglas Macfarlane. 2016. International Symposium of Polymeric Electrolytes. Uppsala, Sweden. 9 <sup>th</sup> – 14 <sup>th</sup> August 2016	International (Oral)

4.	<b>Siti Aminah Mohd Noor</b> , Hyungook Yoon, Maria Forsyth, Douglas Macfarlane. 2014. Gelled ionic liquid sodium ion conductors for sodium batteries. 5 <sup>th</sup> International Conference on Functional Materials and Devices (ICFMD 2015). Johor, Malaysia. 4 <sup>th</sup> – 6 <sup>th</sup> August 2015	International (Oral)
5.	<b>Siti Aminah Mohd Noor</b> , Hyungook Yoon, Maria Forsyth, Douglas Macfarlane. 2014. Gelled ionic liquid sodium ion conductors for sodium batteries. The 4 <sup>th</sup> Asia Pacific Conference on Ionic Liquids & 6 <sup>th</sup> Australasian Symposium on Ionic Liquids. Sydney Australia. 28 <sup>th</sup> Sep – 1 <sup>st</sup> Oct 2014	International (Poster) with flash presentation
6.	<b>Siti Aminah Mohd Noor</b> , Jiazeng Sun, Douglas Macfarlane, Michel Armand, Daniel Gunzelmann, Maria Forsyth. 2014. Decoupled ion conduction in poly(2-acrylamido-2-methyl-1-propane-sulfonic acid) homopolymers. XIV International Symposium on Polymer Electrolytes. Melbourne Australia. 24 <sup>th</sup> – 30 <sup>th</sup> August 2014	International (Oral)
7.	<b>Siti Aminah Mohd Noor</b> , Maria Forsyth, Douglas Macfarlane. 2014. Gel-ionic liquid based sodium ion conductors for sodium batteries. Ionic Liquid for Electrochemical Devices: ILED 2014. Rome Italy 28 <sup>th</sup> – 30 <sup>th</sup> May 2014	International (Oral)
8.	<b>Siti Aminah Mohd Noor</b> , Maria Forsyth, Douglas Macfarlane. 2013. Sodium ion conductor for sodium batteries. The 19 <sup>th</sup> International Conference on Solid State ionics, Kyoto Japan. 2 <sup>nd</sup> – 7 <sup>th</sup> June 2013	International (Oral)
9.	<b>Siti Aminah Mohd Noor</b> , Paul Bayley, Maria Forsyth, Douglas Macfarlane. 2012 Ionogels based on ionic liquids as potential highly conductive solid state electrolytes. XIII International Symposium on Polymeric Electrolytes, Selfoss Iceland. 26 <sup>th</sup> – 31 <sup>st</sup> August 2012	International (Poster)
10.	<b>Siti Aminah Mohd Noor</b> , Maria Forsyth, Douglas Macfarlane. 2012. Ionogels based on ionic liquids as potential electrolytes for high energy density batteries. 5 <sup>th</sup> Australasian Symposium on Ionic Liquids, Clayton Melbourne Australia. 3 <sup>rd</sup> – 5 <sup>th</sup> May 2012	International (Poster)
11.	<b>Siti Aminah Mohd Noor</b> , Azizan Ahmad, Mohd Yusri Abd Rahman, Ibrahim Abu Talib. 2010. 10 <sup>th</sup> National Symposium on Polymeric Materials. Awana Porto Malai Resort Langkawi Kedah. 8 <sup>th</sup> – 10 <sup>th</sup> November 2010.	National (Oral)
12.	<b>S. A. M. Noor</b> , A.Ahmad, I. A. Talib & M.Y.A. Rahman Effects of ENR on Morphology, Chemical Interaction and Conductivity of PEO-LiCF <sub>3</sub> SO <sub>3</sub> Solid Polymer Electrolyte. 25 <sup>th</sup> Regional Conference on Solid State Science and Technology 2009. 21-23 December 2009 Bayview Beach Resort. Penang. 132.	National (Oral)
13.	<b>Siti Aminah Mohd Noor</b> , Azizan Ahmad, Ibrahim Abu Talib, Mohd Yusri Abdul Rahman. Properties of N-ZnO Filled on PEO-ENR50 Based Solid Polymer Electrolyte. Malaysia Polymer International Conference -(MPIC 2009) 21-22 October 2009, Palm Garden Hotel IOI Resort, Putrajaya. 56.	International (Oral)
14.	<b>Siti Aminah Mohd Noor</b> , Azizan Ahmad, Mohd Yusri Abd Rahman, Ibrahim Abu Talib. 2009. Kajian kekonduksian ion dan ATR-FTIR Pepejal polimer elektrolit PEO-ENR 50-LiCF <sub>3</sub> SO <sub>3</sub> . The 9 <sup>th</sup> Postgraduate colloquium, Faculty of Science and Technology 2009, UKM Bangi. 24-25 Jun 2009	National (Oral)
15.	<b>Siti Aminah Mohd Noor</b> , Azizan Ahmad, Ibrahim Abu Talib, Mohd Yusri Abdul Rahman Characterization of PEO-ENR 50 based solid polymer electrolyte. Seminar Kimia UKM-ITB VIII 2009, Faculty of Science and Technology, UKM, Bangi, 9-11 June 2009	National (Oral)

16.	<b>Siti Aminah Mohd Noor</b> , Azizan Ahmad, Mohd Yusri Abd Rahman, Ibrahim Abu Talib. 2008. Preparation and characterization of poly(ethylene) oxide-50% epoxidized natural rubber-lithium triflate (PEO-ENR 50-LiCF <sub>3</sub> SO <sub>3</sub> ) solid polymer electrolyte. 24 <sup>th</sup> Regional Conference on Solid State Science and Technology 2008, Port Dickson. 30 <sup>n</sup> Nov-2 Dis 2008	National (Oral)
17.	<b>Siti Aminah Mohd Noor</b> , Azizan Ahmad, Mohd Yusri Abd Rahman, Ibrahim Abu Talib. 2008. Preparation and characterization of solid polymer electrolyte (PEO-ENR 50 (80/20)-LiCF <sub>3</sub> SO <sub>3</sub> ). VIIIth National Symposium on Polymeric Materials 2008, Penang. 27-28 Nov 2008	National (Oral)

### 2.2.2 Book/Chapter in Book:

No	Authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name)	Level
1.	Siti Hasnawati Jamal, <b>Siti Aminah Mohd Noor</b> , Ong Keat Khim, Noor Azilah Mohd Kasim, Noor Aisyah Ahmad Shah (2011), Module Chemistry I, Centre for Defence Foundation Studies, UPNM	University
2.	Siti Hasnawati Jamal, Hussain Long, Madinah Ariff, <b>Siti Aminah Mohd Noor</b> , Zuraidah Ithnin, Ong Keat Khim, Noor Azilah Mohd Kasim, Norherdawati Kasim, Noor Aisyah Ahmad Shah (2011), Chemistry Laboratory I Manual, Centre for Defence Foundation Studies, UPNM	University
3.	Wan Md Zin Wan Yunus, Ong Keat Khim, Noor Azilah Mohd Kasim, Norli Abdullah, Madinah Jaafar Md Ariff, Nor Laili-Azua Jamari, <b>Siti Aminah Mohd Noor</b> , Syed Mohd Shafiq Syed Ahmad, Mohd Junaedy Osman. (2014) Module Chemistry II, Centre for Defence Foundation Studies, UPNM	University
4.	Wan Md Zin Wan Yunus, Noor Azilah Mohd Kasim, Norli Abdullah, Madinah Jaafar Md Ariff, <b>Siti Aminah Mohd Noor</b> , Noor Aisyah Ahmad Shah, Syed Mohd Shafiq Syed Ahmad, Mohd Junaedy Osman. (2015) Module Chemistry I, Centre for Defence Foundation Studies, UPNM	University

### 2.2.3 Journal Article [*h* indeks = 8 in Scopus / ISI 2016]

No	Title	Level
1.	<b>S.A.M. Noor</b> , N.C. Su, L.T. Khoo, N.S. Mohamed, A.Ahmad, M.Z.A Yahya, H.Zhu, M. Forsyth, D.R.MacFarlane. Properties of High Na-Ion Content N-Propyl-N-Methylpyrrolidinium Bis(Fluorosulfonyl)Imide - Ethylene Carbonate Electrolytes. <i>Electrochimica Acta</i> <b>2017</b> , 247, 983-993	International (IF : 4.803)
2.	<b>S. A. Mohd Noor</b> , H. Yoon, M. Forsyth and D. R. MacFarlane, Gelled ionic liquid sodium ion conductors for sodium batteries. <i>Electrochimica Acta</i> <b>2015</b> , 169, 376-381.	International (IF : 4.803)
3.	<b>S. A. Mohd Noor</b> , D. Gunzelmann, J. Sun, D. R. MacFarlane and M. Forsyth, Decoupled ion conduction in poly(2-acrylamido-2-methyl-1-propane-sulfonic acid) (PAMPS) homopolymers. <i>Journal of Materials Chemistry A</i> <b>2014</b> , 2, 17934-17943.	International (IF : 6.626)

4.	<b>S. A. Mohd Noor</b> , D. Gunzelmann, J. Sun, D. R. MacFarlane and M. Forsyth, Ion conduction and phase morphology in sulfonate copolymer ionomers based on ionic liquid-sodium cation mixtures. <i>Journal of Materials Chemistry A</i> <b>2014</b> , 2, 365-374.	International (IF : 6.626)
5.	<b>S. A. M. Noor</b> , P. M. Bayley, M. Forsyth and D. R. MacFarlane, Properties of sodium-based ionic liquid electrolytes for sodium secondary battery applications. <i>Electrochimica Acta</i> <b>2013</b> , 91, 219-226.	International (IF : 4.803)
6.	<b>S. A. Mohd Noor</b> , P. C. Howlett, D. R. Macfarlane and M. Forsyth, Ionogels based on ionic liquids as potential highly conductive solid state electrolytes. <i>Electrochimica Acta</i> <b>2013</b> , 114, 766-771.	International (IF : 4.803)
7.	M. S. Su'ait, <b>S. A. M. Noor</b> , A. Ahmad, H. Hamzah and M. Y. A. Rahman, Preparation and characterization of blended solid polymer electrolyte 49% poly(methyl methacrylate)-grafted natural rubber:poly(methyl methacrylate)-lithium tetrafluoroborate. <i>Journal of Solid State Electrochemistry</i> <b>2012</b> , 16, 2275-2282.	International (IF : 2.234)
8.	<b>S. A. M. Noor</b> , A. Ahmad, I. A. Talib and M. Y. A. Rahman, Effect of ZnO nanoparticles filler concentration on the properties of PEO-ENR50-LiCF <sub>3</sub> SO <sub>3</sub> solid polymeric electrolyte. <i>Ionics</i> <b>2011</b> , 17, 451-456.	International (IF : 1.836)
9.	<b>S. A. M. Noor</b> , A. Ahmad, I. A. Talib and M. Y. A. Rahman, Morphology, chemical interaction, and conductivity of a PEO-ENR50 based on solid polymer electrolyte. <i>Ionics</i> <b>2010</b> , 16, 161-170.	International (IF : 1.836)
10.	A. Ahmad, M. Y. A. Rahman, <b>S. A. Mohd Noor</b> and M. R. A. Bakar, Preparation and characterization of PVC-Al <sub>2</sub> O <sub>3</sub> - LiClO <sub>4</sub> composite polymeric electrolyte. <i>Sains Malaysiana</i> <b>2009</b> , 38, 483-487.	International (ISI index : Scopus)
11.	<b>S. A. M. Noor</b> , A. Ahmad, M. Y. A. Rahman and I. A. Talib, Preparation and characterization of a solid polymer electrolyte PEO-ENR50 (80/20)-LiCF <sub>3</sub> SO <sub>3</sub> . <i>Journal of Applied Polymer Science</i> <b>2009</b> , 113, 855-859.	International (IF : 1.600)

### 3.0 ACADEMIC RECOGNITION AND LEADERSHIP

#### (a) Academic Recognition and Leadership

No	Academic Recognition/Leadership	Year	Level	Awarding Body
1.	An Invited lecturer of International Leading Young Scientist in The 66 <sup>th</sup> Society of Polymer Science Japan (SPSJ)	2017	International	SPSJ, Japan
2.	Visiting researcher in Graduate School of Bio-Applications and Systems Engineering (BASE), Tokyo University of Agriculture and	2017	International	TUAT, Japan

	Technology (TUAT), Japan, 2017			
3.	Visiting researcher in Institute of Department of Materials & Life Sciences, Sophia University, Japan, 2017	2017	International	Sophia University, Japan
4.	Recipient of Excellent Service Award, 2016	2016	University	UPNM
5.	Recipient of Quality Awards of Deputy Vice Chancellor (Research and Innovation), 2016	2016	University	UPNM
6.	Highest recipient of Research Incentive, 2016	2016	University	UPNM
7.	Visiting researcher in Institute of Frontier Materials, Deakin University, Australia, 2016	2016	International	Deakin University, Australia
8.	Young Scientist speaker in International Symposium Polymeric Electrolyte, Sweden (2016)	2016	International	ISPE, 2016
9.	Recipient of Young Research Award in International Conference in Functional Materials an Devices, Malaysia (2015)	2015	International	ICFMD, 2015
11.	Invitation as reviewer for Electrochimica Acta, Q1 Journal	2014	International	Electrochimica Acta Journal
12.	Invitation as reviewer for	2015	International	Electrochimica Acta



	Electrochimica Acta, Q1 Journal			Journal
13.	Invitation as reviewer for Electrochimica Acta, Q1 Journal	2016	International	Electrochimica Acta Journal
14.	Invitation as reviewer for Electrochimica Acta, Q1 Journal	2017	International	Electrochimica Acta Journal
15.	Invitation as reviewer for Polymer Journal	2017	International	Polymer Journal
16.	Recipient of <b>Per Jacobsson Award</b> in Ionic Liquid for Electrochemical Devices, Italy (2014)	2014	International	Electrochimica Energia
17.	Recipient of <b>Young Researcher Supporting Program</b> for attending The 19 <sup>th</sup> International Conference of Solid State Ionics, Kyoto Japan (2013)	2013	International	Solid State Ionics International committee
18.	Recipient of <b>National Science Fellowship</b> from Ministry of Science Technology and Innovation Malaysia	2008	National	Ministry of Science Technology and Innovation Malaysia

**(b) Consultancy - Consultancy work that benefited to the University.**

No.	Title	Year	Sponsor	Value	Duration
1.	Reviewer for Q1 journal (Electrochimica Acta)	2014			2 papers
2.	Reviewer for Q1 journal (Electrochimica Acta)	2015			1 paper
3.	Reviewer for Q1 journal (Electrochimica Acta)	2016			5 papers
4.	Reviewer for Q1 journal (Electrochimica Acta)	2017			3 papers
5.	Reviewer for Polymer journal	2017			1 paper

**(c) Service to the University**

No	Position/Membership	Committee	Duration
1	Head of Department of Chemistry and Biology		2 years
2	Focal point of OPCW		
3	Committee of STEM		
4	e-Learning Foundation studies Representative	e-Leraning	1 year
5	Coordinator for Chemsitry subject	Department of Chemistry	2 semester

**(d) Service to the community**

No	Level of involvement	Activity	Organiser	Venue	Date/Year/Duration
1.	National	Facilitator	ISMA		2015-2017
1.	Inter-university	Seminar Kerjaya	UKM	PPSKTM FST, UKM	2015
2.	Examiner	Matriculation Examiner for Chemistry paper	Ministry of Education	Concorde Hotel, KLIA	2014 & 2015

**I declare that all the information in this form is true and correct. The University has the right to withdraw or reject the application if any information in this form found to be untrue.**

**Signature :**

**Name : DR SITI AMINAH MOHD NOOR**

**Faculty/Department : Department of Chemistry and Biology, Centre for Foundation Studies**

**Date : 24th Aug 2017**

**I verify that, to the best of my knowledge, all the information provided in the forms are true.**

**Dean  
Signature and Stamp :**

**Date :**