

CURRICULUM VITAE



I. PERSONAL PARTICULARS			
Name	NOOR AISYAH BINTI AHMAD SHAH		
Current Position Faculty / Department	Lecturer DS52 Department of Chemistry and Biology, Centre for Defense Foundation Studies		
Contact No	03-9051 3400 (2495) / 018-2399484		
Email	aisyah@upnm.edu.my		
II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS			
(Please list all academic qualifications, from your first degree, in chronological order)			
Year	Degree	Discipline	University
2004	BSc. (Hons)(Industrial Chemistry)	Chemistry	Universiti Teknologi Malaysia
2007	MSc. (Chemical Engineering)	Chemistry	Universiti Sains Malaysia
2017	PhD. (Chemistry)	Organometallic Synthesis, NLO materials	Australian National University
III. TITLES OF POSTGRADUATE THESES WRITTEN			
No.	TITLES OF POSTGRADUATE THESES		
1.	Nanostructured Materials as Catalysts for the Production of Gasoline From Used Palm Oil and Crude Palm Oil: Synthesis, Characterization and Activity Studies (Master Thesis)		
2.	Ruthenium Organometallic Complexes Incorporating <i>R,R</i> -Chiraphos for Nonlinear Optical Applications (PhD Thesis)		
IV. WORK EXPERIENCE (Please list your relevant experience in chronological order)			
Year	Position	Field of Work	Place of Work
2004	Practical student	Analysis of	Water Laboratory, SIRIM Shah Alam,

		water	Selangor
2005-2006	Graduate Research Assistant	Demonstrator	School of Chemical Engineering, USM
2007	Substitute Teacher	Teaching	Sekolah Menengah Kebangsaan Sultan Ahmad Tajuddin, Bandar Baharu, Kedah
2007 – present	Lecturer	Teaching & Research	UPNM

1.0 TEACHING AND SUPERVISION

1.1 Foundation Courses

No	Course Title	Semester	Year
1.	CHEMISTRY I	1	2007/2008 – present
2.	CHEMISTRY LAB I	1	2007/2008 – present
3.	CHEMISTRY II	2	2007/2008 – present
4.	CHEMISTRY LAB II	2	2007/2008 – present

1.5 PhD Supervision

No	Name of Student	Project Title	Year	Role	Status
1.	Mas Amira Idayu binti Abdul Razak Matric No.: 3191140	Synthesis of glucose imidazole conjugation with oxime for organophosphorus nerve agent.	Jan 2019 – present	co-supervisor	Ongoing

1.7 M. Sc Supervision

No	Name of Student	Project Title	Year	Role	Status
1.	Nur Farahin binti Pairan Matric No.: 3080372	Dipolar Thiazole Derivatives Incorporating Electron Withdrawing Group and Electron Donating Group as Potential Nonlinear Optical Materials	2016 – 2020	main supervisor	Graduated
2.	Mardhiahtul Iftiah binti Ariffin Matric No.: 3080282	Synthesis and characterization of solid metal oxide catalysts as potential biofuel production from microalgae.	2014 – 2019	co-supervisor	Graduated

RESEARCH, PUBLICATION AND PRESENTATION

2.1 Research Projects

No	Title	List of Researchers	Grant Year	Source Amount	Status
1.	Synthesis and Mechanistic Studies of The Reaction of Thiocyanatoacetylacetone With Amino Acids	Noor Azilah Mohd Kasim, Bohari M Yamin, Noor Aisyah Ahmad Shah	FRGS (2010 – 2012)	RM 50000	Closed
2.	Synthesis of Carbon Nanotubes For The Detection of Volatile Compounds	Noor Azilah Mohd Kasim, Norazman Bin Mohamad Nor, Noor Aisyah Ahmad Shah , Siti Hasnawati Jamal, Faizah Md Yasin	FRGS (2010 – 2013)	RM 50000	Closed
3.	Synthesis of dipolar amino-nitro-thiazole derivatives for electronic, electrooptics and nonlinear optical applications	Noor Aisyah Ahmad Shah (Principal) , Noor Azilah Mohd Kasim, Bohari Mohd Yamin, Siti Zulaikha Ngah Demon	FRGS (2015-2018)	RM 102000	Closed
4.	Adsorption Capacity and Mechanism of Nitrogen Oxide Adsorption using Alum Sludge.	Noor Aisyah Ahmad Shah (Principal) , Mansor Ahmad @ Ayob, Wan Md Zin Wan Yunus, Ong Keat Khim, Nor Laili-Azua Jamari	RACE (2014 – 2017)	RM 50000	Closed

5.	Electronic structure of metal oxide/organic semiconductor interface by optical second harmonic generation measurement.	Siti Zulaikha Ngah Demon, Noor Aisyah Ahmad Shah , Fauziah Aziz, Wan Yusmawati Wan Yusoff, Noriah Bidin, Noor Fadhilah Rahmat	FRGS (2015 – 2018)	RM116000 UPNM ACADEMIC STAFF CV	Closed
6.	Synthesis of intermetallic-surface-modified carbon nanotubes for optical limiting applications	Norherdawati Kasim, Noor Aisyah Ahmad Shah , Siti Zulaikha Ngah Demon, Wan Md Zin Wan Yunus, Norli Abdullah	RAGS (2015 – 2018)	RM 45000	Closed
7.	Study of intermolecular interaction between carbon nanotubes and π -conjugated molecules for ultrafast optical switching.	Noor Fadhilah Rahmat, Siti Zulaikha Ngah Demon, Wan Yusmawati Wan Yusoff, Muhd Zu Azhan Yahya, Noriah Bidin, Noor Aisyah Ahmad Shah	RAGS (2015 – 2018)	RM 45000	Closed
8.	Surface modification of carbon nanofiber for the development of volatile organic compounds (VOCs) chemical sensor.	Noor Azilah Mohd Kasim, Wan Md Zin Wan Yunus, Siti Hasnawati Jamal, Noor Aisyah Ahmad Shah , Faizah Md Yasin, Famiza Abd Latif, Norherdawati Kasim	FRGS (2016-2020)	RM 91,000	Closed
9.	Synthesis and Characterization of Nitrocellulose From Nano Cellulose For Green Propellant Preparation	Siti Hasnawati Jamal, Wan Md Zin Wan Yunus, Ariffin Ismail, Siti Aminah Mohd Noor, Noor Aisyah Ahmad Shah , Norhana Abdul Halim	FRGS (2017 – 2020)	RM 101,442	Closed
10.	Detection of Chlorine Gas	Noor Azilah	UPNM/2	RM 240,000	Closed

	using Metal-Oxide Carbon Nanotubes Nanocomposite	Mohd Kasim, Victor Feizal Abd Shattar Knight, Norazman Mohamad Nor, Muhd Zu Azhan Yahya, Ariffin Ismail, Noor Aisyah Ahmad Shah , Siti Hasnawati Jamal, Mohd Hanif Yaacob	018/CH EMDEF/ST/4 (2018 – present)		
11.	Synthesis and Characterization of Unsymmetrical Nitrothiazole-substituted Urea Derivatives for Electrooptics and Nonlinear Optical (NLO) Applications	Noor Aisyah Ahmad Shah (Principal) , Noor Azilah Mohd Kasim, Siti Zulaikha Ngah Demon, Bohari Mohd Yamin, Ganesan a/l Krishnan	UPNM/2019/GP JP/2/SG /4	RM 20,000	Closed
12.	Unsymmetrical urea derivatives for electric and electro-optics applications	Noor Aisyah Ahmad Shah (principal) , Noor Azilah Mohd Kasim, Norli Abdullah, Siti Hasnawati Jamal, Wan Yusmawati Wan Yusoff	SF0116-UPNM/2022/SF/STG/1	-	In progress

2.2 Publications

2.2.1 Academic Journals

No	Authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name)	Level
1.	Subhash Bhatia, Abdul Rahman Mohamed, Noor Aisyah Ahmad Shah , Composites as cracking catalysts in the production of biofuel from palm oil: Deactivation studies. <i>Chemical Engineering Journal</i> 2009, <i>155(1)</i> , 347-354.	International Q1 (scopus)
2.	Nick Van Steerteghem, Stijn Van Cleuvenbergen, Noor Aisyah Ahmad Shah , Mark G. Humphrey, Thierry Verbiest, Koen Clays, Investigation of the second hyperpolarizability of Ru-alkynyl	International Proceeding (scopus)

	complexes by z-scan and nonlinear scattering. <i>Proc. SPIE 9939, Light Manipulating Organic Materials and Devices III</i> , 99390G (September 23, 2016). Doi:10.1117/12.2237203	
3.	Nur Farahin Pairan, Noor Azilah Mohd Kasim, Bohari M. Yamin and Noor Aisyah Ahmad Shah , Crystal structure of ϵ - <i>N,N</i> -diethyl-2-(5-nitrothiazol-2-yl)-1-phenylethen-1-amine, C ₁₅ H ₁₇ N ₃ O ₂ S. <i>Zeitschrift für Kristallographie – New Crystal Structures</i> . 2017.	International Q4 (scopus)
4.	Noor Aisyah Ahmad Shah , Nur Farahin Pairan, Noor Azilah Mohd Kasim and Bohari Mohd Yamin, Synthesis and Optical Properties of Dipolar Thiazole Derivatives Incorporating Nitro and Amino Substituents, <i>Key Materials Engineering</i> , 773 (2018) 157-161.	International Q3 (scopus)
5.	Noor Aisyah Ahmad Shah , Farah Nabila Diauddin, Siti Zulaikha Ngah Demon, Norherdawati Kasim, Ganesan Krishnan, Mundzir Abdullah, Preparation and third order nonlinear optical properties of Ag coated carbon nanotubes, <i>Materials Today: Proceedings 29</i> (2020) 110-114.	International (scopus)
6.	Noor Aisyah Ahmad Shah , Farah Nabila Diauddin, Siti Zulaikha Ngah Demon, Norherdawati Kasim, Ganesan Krishnan, Mundzir Abdullah, The Study of Platinum Coated Carbon Nanotubes as Third-Order Nonlinear Optical Materials, <i>Solid State Phenomena 317</i> (2021) 166-172.	International Q3 (scopus)

2.2.2 Book/Chapter in Book:

No	Authors, year, title, publisher/journal/conference, volume and number of pages	Level
1.	Norherdawati Kasim, Norhana Abdul Halim, Fadhlul Wafi Badrudin, Ahmad Farid Mohd Azmi, Azuraida Amat, Jahwarhar Izuan Abdul Rashid, Noor Aisyah Ahmad Shah , Noor Azilah Mohd Kasim, Noor Fadhilah Rahmat, Nor Azlian Abdul Manaf, Norli Abdullah, Safura Taufik, Siti Hasnawati Jamal, Siti Zulaikha Ngah Demon, Wan Yusmawati Wan Yusoff (2020) <i>Kompilasi Ujikaji Sains Untuk Sekolah Rendah dan Menengah</i> , Penerbit UPNM	National
2.	Muhd Zu Azhan Yahya, Wan Md Zin Wan Yunus, Nor Laili-Azua Jamari, Noor Azilah Mohd Kasim, Wan Yusmawati Wan Yusoff, Fadhlina Che Ros, Norli Abdullah, Noor Aisyah Ahmad Shah , Norhana Abdul Halim (Editors) (2021) <i>Solid State Science and Technology VII selected peer-reviewed papers from the 7th International Conference on Solid State Science and technology (7th ICSSST)</i> , Trans Tech Publications, Volume 317 of <i>Solid State Phenomena</i>	International

2.3 Presentation

No	Authors, year, title, publisher/journal/conference, volume and number of pages	Level
1.	6 th Australian Organometallics Discussion Meeting on 17-20 January 2011 at the University of Tasmania, Hobart, Australia.	International (poster)

2.	Inaugural One-day Student Symposium in Inorganic Chemistry on 30 th June 2011 at the University of Sydney, Australia.	International (poster)
3.	Second Student Symposium on Inorganic Chemistry on 30 th November 2012 at the Australian National University, Australia.	International (poster)
4.	7 th Australasian Organometallics Discussion Meeting on 13-16 January 2013 at the Victoria University of Wellington, New Zealand.	International (oral)
5.	29 th Regional Conference on Solid State Science and Technology, KSL Hotel and Resort, Johor. (15 – 17 November 2016)	Regional (oral)
6.	3 rd International Conference on Applied Engineering, Materials and Mechanics 2018 (3 rd ICAEMM 2018), Okinawa, Japan. (21 April 2018)	International (oral)
7.	4 th Advanced Materials Conference 2018 (AMC2018), Hilton Kuching, Sarawak (27 – 28 th November 2018)	Regional (oral)
8.	7 th International Conference on Solid State Science and Technology (7 th ICSSST 2019) (11-13 th Nov 2019)	International (poster)
9.	3 rd Virtual Symposium on Multidisciplinary Science 2021 (7 July 2021)	International (oral)

3.0 ACADEMIC RECOGNITION AND LEADERSHIP, CONSULTANCY, SERVICE TO THE UNIVERSITY AND SERVICE TO THE COMMUNITY

3.1 Academic Recognition and Leadership

No	Academic Recognition	Year	Level	Awarding Body / Name of Institution
1.	Anugerah Perkhidmatan Cemerlang (APC)	2009	University	UPNM
2.	Anugerah Perkhidmatan Cemerlang (APC)	2016	University	UPNM
3.	Silver Award DSS2019	2019	University	UPNM
4.	Gold Award PIITRAM2021	2021	National	UMT, UNISZA, KPT, Majlis Dekan/Pengarah Asasi Universiti Awam, MOSTI
5.	Gold Award PIITRAM2022	2022	National	UPNM, Majlis Dekan/Pengarah Asasi Universiti Awam, MOSTI
6.	Silver Award DSS2022	2022	University	UPNM

3.3 Service to the University

No	Position/Membership	Committee	Duration
1.	Secretary 2	Pusat Kualiti UPNM	2007 – 2009
2.	Internal Auditor (ISO)	Pusat Kualiti UPNM /Bahagian Jaminan Kualiti dan Pengurusan Data UPNM	2007 – present
3.	Member	Projek Penyelidikan UPNM – Kluster Sains Tulen	2016 – 2018

5.	Ketua AJK Pendaftaran	7th International Conference Conference of Solid State Science and Technology (7th ICSSST)	2019
6.	Ketua Jabatan	Jabatan Kimia & Biologi, PAP	2020 – present
7.	Member	STEM PAP	2022

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. NOOR AISYAH BINTI AHMAD SHAH

Faculty/Department : CENTRE FOR DEFENCE FOUNDATION STUDIES

Date : 2 September 2022

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

**Dean
Signature and Stamp** :

Date :