CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI (Personal Details)				
Nama Penuh (Full Name)	Nor Azah Abdul Aziz		Gelaran (Title): Mdm.	
Warganegara (Citizenship)	Malaysia	Bangsa (Race)	Malay	
Jawatan (Designation)	Lecturer	Jantina (Gender)	Female	
Bidang Pengkhususan (Area of Specialization)	Nonlinear Optics, Photonics, Microwave, Nanotechnology	Tarikh Lahir (Date of Birth)	27 April 1979	
ID Penyelidik (Researcher ID)	ORCID: 0000-0002-364 Scopus ID: 5721203003 Google Scholar: https://scholar.google.com/citatio	9-5135 1 pns?user=LbB8E1wAAA4	\J&hl=en&oi=ao	

Alamat Semasa (Current Address)	Jabatan/Fakulti (Department/Faculty)	E-mel dan URL (E-mail Address
Centre of Foundation Studies for	Centre of Foundation Studies for	
Agricultural Science,	Agricultural Science,	norazah@upm.edu.my
Universiti Putra Malaysia,	Universiti Putra Malaysia,	
43400 UPM Serdang, Selangor	43400 UPM Serdang, Selangor	H/P: 012-7047749
Tel: 603-9769 6998	Tel: 603-9769 6998	

B. KELAYAKAN AKADEMIK (Academic Qualification)						
Nama Sijil / Kelayakan (Certificate / Qualification obtained)	Nama Sekolah Institusi (Name of School / Institution)	Tahun (Year obtained)	Bidang pengkhusususan (Area of Specialization)			
Master of Science	Universiti Putra Malaysia	2005	Physics (Theoretical Structures and Models – Wave propagation)			
Bachelor of Science (Hons)	National University of Malaysia	2001	Physics			

C. KEMAHIRAN BAHASA	(Language Proficie	ency)			
Bahasa / Language	Lemah Poor (1)	Sederhana <i>Moderate (2)</i>	Baik Good (3)	Amat Baik Very good (4)	Cemerlang Excellent (5)
English				\checkmark	
Bahasa Melayu					
Chinese					
Lain-lain (other):					

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (Scientific experience and Specialisation)					
Organization	Position	Start Date	End Date	Expertise	
1. Nanjing University of	Research	December	January	Nonlinear Optics – Single Atom	
Technology, China	Attachment	2017	2018	Response Modelling	
2. La Trobe University,	Research	March	May	Quantum Optics – HHG	
Australia	Attachment	2014	2014	Coherence Theoretical	
				Modelling	
3. The University of	Graduate	November	October	Nonlinear Optics –	
Melbourne, Australia	Student	2008	2012	Experimental & Theoretical	
				HHG Coherence Source	

*HHG: High harmonic generation

E. PEKERJAAN (Employi	E. PEKERJAAN (Employment)				
Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / <i>Start Date</i>	Tarikh tamat / Date Ended	
UPM	Lecturer	Centre of Foundation Studies for Agricultural Science	May 2006	present	
The University of Melbourne	Graduate Student	School of Physics (David Caro Building), The University of Melbourne, Parkville VIC 3010, AUSTRALIA	Nov 2008	Oct 2012	
ukm IIAM KLIUC	Part-time Tutor	Physics Dept. Matriculation (Physics) Engineering Dept.	2002	2004	
Orix Rentec (M) Sdn Bhd	Marketing Officer	High Technology Equipment Unit	May 2001	Nov 2002	

F. TUGAS-TUGAS KHAS (Special Duties)				
Jawatan / Designation	Peringkat / Level	Tarikh lantikan / <i>Start Date</i>	Tarikh tamat / Date Ended	
Head of Physics	Centre of Foundation Studies for	Mac 2018	Jan 2021	
Division	Agricultural Science			
Head of Physics	Centre of Foundation Studies for	Feb 2008	Oct 2008	
Division	Agricultural Science			

G. ANUGER	AH DAN HADIAH (Honours and Awards)			
Name of awards	Awards/Recognition	Award Authority	Level	Year
Academic Awards	 Gold Medal Award Pre-university Innovation Competition (PIITRAM 2021) 	Universiti Malaysia Terengganu & Universiti Islam Sultan Zainal Abidin	National	2021
	2. Invited Speaker	Sharda University, India	International (India)	2021

	4 th Internation on Science an Materials (ICS	al Conference d Engineering EM 2021)			
	 Invited Speake 3rd Symposiun Multidisciplina (VSMS 2021) 	भ n of ry Science	Universiti Putra Malaysia	International (Malaysia)	2021
	 Reviewer Optoelectronic Advanced Material Communication Article 1 	cs and terials – Rapid ons (OAM-RC)	National Institute of Research and Development for Optoelectronics	International (Romania)	2021
	5. Reviewer Optoelectronic Advanced Mat Communicatio – Article 2	cs and terials – Rapid ons (OAM-RC)	National Institute of Research and Development for Optoelectronics	International (Romania)	2021
	6. Reviewer Advance in Ma Scientific Jour	athematics: nal	Union Researcher of Macedonia	International (Romania)	2020
	 Silver Medal A International S Olympiad – IS 	ward STEM STEMO 2019)	Malaysian STEM Teacher Association	International (Malaysia)	2019
	8. Scholarship National Scier (NSF)	nce Fellowship	Ministry of Science, Technology and Innovation Malaysia	National	2002- 2004
Non-Academic Awards	-				
Awards of Merit	1. Excellence Serv	vice Certificate	Universiti Putra Malaysia	University	2020
	2. Excellence Serv	vice Certificate	Universiti Putra Malaysia	University	2019
	3. Excellence Serv	vice Certificate	Universiti Putra Malaysia	University	2017
	4. Excellence Serv	vice Certificate	Universiti Putra Malaysia	University	2016
	5. Excellence Serv	vice Certificate	Universiti Putra Malaysia	University	2007

H. SENARAI PEN	ERB	ITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka
surat dan tahun d	literk	bitkan) (List of publications – author (s), title, journal, volume, page and year published)
Journal	1.	Analysis of Spatial Coherence Length of High Harmonic Generated in Argon – Main author (In Prep).
	2.	Multiple frequencies Five–Port Reflectometer (FPR) for Pure and Adulterated Honeys – Co-Author (Submitted August 2021).
	3.	Microwave Dielectric and Reflection Analysis on Pure and Adulterated Trigona Honey and Honey Gold – Co-Author (Submitted May 2021).
	4.	N.A.A Aziz , E.Z.M Tarmizi and Y. Mansor. (2021). Coherence Measurement at Different Spatial Points Across High Harmonic Generation Source using Different Spatial Filter. <i>Macromolecular Symposia.</i> 397 (1), 2000292 (7 pages).
	5.	N.A. Abdul Aziz , S.S.P. Mohamed Isa, Z. Abbas and T.N. Mohamed. (2019). Dielectric Properties for Various Size Potential Abnormality of Breast Tissues using Non-Ionizing Microwave Technique. <i>Journal of Multidisciplinary Engineering Science and Technology</i> . 6 (12) Special Issue, 140-144.
	6.	A. H. Baderus, S.S.P. Mohamed Isa, A.S. Mohamed Nazir, N.W. Zainol Jamil, N.A. Abdul Aziz , S.O. Baki, E.Z. Mohd Tarmizi, I.K.M. Noor, Y. Mansor, N.H. Zainol Abidin. (2019). Domestic Electrical Appliances Consumption: The Case of Centre of Foundation Studies for Agricultural Science UPM Students. <i>Journal of Multidisciplinary Engineering Science and Technology</i> . 6 (12) (Special Issue), 18-22.
	7.	N.A. Abdul Aziz , T. N. Mohamed and Z. Abbas. (2017). Effectiveness of Microwave Technique in Early Detection of Breast Abnormalities. <i>International Journal of Advances in Science, Engineering and Technology</i> . 5 (3) Special Issue, 37-39.
	8.	N.F.M. Mokhtar, N.A.A. Aziz and S.S.A. Gani. (2016). Investigation on Coupled Convection with Internal Heating in Micropolar Fluid. <i>Advanced and Application in Fluid Mechanics</i> . 19 (3), 707-723.
Books/Monographs	-	
Chapter in book	1.	Book chapter – co-author (In-prep).
Proceedings	1.	Nor Azah Abdul Aziz, Tity Nazleen Mohamed and Zulkifly Abbas. (2017). Effectiveness of Microwave Technique in Early Detection of Breast Abnormalities. <i>Proceedings of IIER International Conference</i> . 29-30 July 2017. Tokyo, Japan.
	2.	Zulkarnain Endut, Nor Azah Abdul Aziz , Sharudin Omar Baki, Yaakob Mansor, Wan Mohd Daud Wan Yusoff, Zainal Abidin Sulaiman, Aina Suhaiza Mohamad Nazir, Noor Wahida Latif, Siti Suzilliana Putri Mohamed Isa, Ikhwan Syafiq Mohd Noor, Amirul Hakimi Baderus and Emma Ziezie Mohd

		Tarmizi. (2017). Analysis and Modelling of Projectile Motion using Tracker: An Interactive Approach to Foundation Physics Study. Proceedings of Southeast Asian Higher Education Summit 2017 (SEAHES 2017).
	3.	Nor Azah Abdul Aziz , Zulkifly Abbas. (2006). Comparison of Specific Absorption Rate Distribution in a Child Head Model Due to Far Field Electromagnetic Wave Radiation of 900 MHz and 1800 MHz Using the Method of Moment. <i>Proceedings of the National Conference on Mathematical Biology</i> . 22-23 August 2006. Bangi, Selangor.
Oral Presentation	1.	'A Review of Recent Developments in Upconversion Nanoparticles in Biomedical Application'. 4 th Online Conference on Science and Engineering of Materials (ICSEM 2021). Hosted by Sharda University, India.
	2.	^{(Upconversion Nanoparticles in Biomedical Application'. 3rd Symposium of Multidisciplinary Science (V-SMS 2021).}
	3.	^{(Investigation of Fringe Visibility in High Harmonic Generation using Pinholes and Aperture Spatial Filters'. (2020). 2nd Symposium of Multidisciplinary Science (V-SMS 2020).}
	4.	'Investigation of Dielectric Properties for Various Size Potential Abnormality of Breast Tissues using Non-Ionizing Microwave Technique'. (2019). Symposium of Multidisciplinary Science (SMS 2019).
	5.	'The Analysis of High Harmonic Generation by A Single Dipole Moment'. (2018). 10 th International Fundamental Science Congress (iFSC 2018)
	6.	'Effectiveness of Microwave Technique in Early Detection of Breast Abnormalities'. (2017). International Conference of Applied Science and Mathematics (JPN).
	7.	'Early Detection of Breast Abnormalities Using Microwave Technology'. (2016). 9th Fundamental Science Congress (FSC 2016).
	8.	'Coherence Properties of High Harmonic Generation in Argon'. (2014). 8 th Fundamental Science Congress (FSC 2014).
Poster Presentation	1.	'Electricity Bill Estimator'. (2021). Pre-University Malaysia Innovation Competition 2021 (PIITRAM 2021), Virtual.
	2.	'Light in Action: Young's Double Slit InfoTainment Kit'. (2019). International STEM Olympiad 2019 (ISTEMO 2019), Selangor, Malaysia.
	3.	'High Harmonic Generation – Another Coherent Source'. (2011). Conference on Optics and Lasers Application (KOALA 2011). OSA & University of Melbourne, Australia.

	4.	'High Harmonic Generation – Another Coherent Source'. (2010). The 19 th Australian Institute of Physics Congress (AIP), Melbourne, Australia.
	5.	'Characterization of High Harmonic Generation Source Using Young's Double Slit'. (2010). Conference on Optics and Lasers Application (KOALA 2010). OSA & University of Otago, New Zealand.
	6.	'Characterization of High Harmonic Generation Source'. (2009). Conference on Optics and Lasers Application (KOALA 2009). OSA & University of Sydney, Australia.
Patent	-	
Computer software	-	

I. PROJEK PENYELIDIKAN TERDAHULU (Past Research Project)					
Project No.	Project Title	Role	Year	Source of fund	Status
02-02-14-	Microwave	Project Leader	12/2014 –	Fundamental	Completed
1565FR	Imaging for		11/2016	Research	(2017)
	Early-Stage			Grant Scheme	
	Breast Cancer			(FRGS)	
				RM 85,000	

J. PENYELIAAN (Supervision)				
No.	Level	Student Name & Project Title	Role	Status
1.	Master	Tity Nazleen Mohammed Open-ended Coaxial Technique for Detection of Masses and Macrocalcifications in Breast Phantoms	Co-SV	Completed (2017)

K. KHIDMAT PROFESSIONAL (Professional Services)				
Role		Award Authority	Level	Year
1.	Chairman	Organizing Committee	International	2020
	2 nd Symposium of	2 nd Symposium of	(Malaysia)	
	Multidisciplinary Science (SMS	Multidisciplinary Science (SMS		
	2020)	2020)		
2.	Expert Reference	Matriculation Division,	National	2020
	Physics Engineering Examination	Ministry of Education		
	Question Assessor			
3.	Expert Reference	Pusat Genius Negara, UKM	National	2020
	High School Diploma Curriculum			
	Mapping Pusat Genius Negara			
	with PASP			
4.	Expert Reference	Polytechnique and Community	National	2019-
	Curriculum Advisor Committee	College Division,		2020
	Engineering Science for Science,	Ministry of Education		
	Mathematics and Computer			
	Course.			

5.	Head of Committee 2 nd Symposium of Multidisciplinary Science (SMS 2020)	Centre of Foundation Studies for Agricultural Science	International (Malaysia)	2019- 2020
6.	Expert Reference - Assessor Physics Engineering Examination Question	Matriculation Division, Ministry of Education	National	2018
7.	Invited Speaker Research Seminar on Spatial Coherence in High Harmonic Generation Source	Nanjing University of Technology, China	International (China)	2017
8.	Expert Reference Physics Engineering Examination Question	Matriculation Division, Ministry of Education	National	2016
9.	Expert Reference - Examiner Physics PST	Matriculation Division, Ministry of Education	National	2015

M. PENGADIL AKADEMIK (Academic Referee)				
Pengadil / Referee	Alamat/ Address	Email		
Professor Dr. Harry	Level 06, Room 611,	quiney@unimelb.edu.au		
Quiney	School of Physics (David Caro Building),			
	The University of Melbourne,			
	Parkville VIC 3010, AUSTRALIA			
Professor Dr. Norihan	Department of Mathematics,	norihana@upm.edu.my		
Md. Arifin	Faculty of Science,			
	Universiti Putra Malaysia,			
	43400 Serdang, Selangor, MALAYSIA			
Associate Professor Dr.	Centre of Foundation Studies for	shamarina@upm.edu.my		
Shamarina Shohaimi	Agricultural Science,			
	Universiti Putra Malaysia,			
	43400 Serdang, Selangor, MALAYSIA			