CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI *(Personal Details)*			
Nama Penuh *(Full Name)*	Nur Adilah binti Roslan		Gelaran *(Title):* Dr.
Warganegara *(Citizenship)* Malaysia		Bangsa *(Race)* Malay	Jantina *(Gender)* Female
Jawatan *(Designation)*	Pensyarah Kanan	Tarikh Lahir *(Date of Birth)*	10/10/1991

Jabatan/Fakulti *(Department/Faculty)*
Jabatan Fizik, Fakulti Sains, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor. Tel: 603-89467231 Fax: - E-mail: nur.adilah@upm.edu.my

B. KELAYAKAN AKADEMIK *(Academic Qualification)*			
Nama Sijil / Kelayakan *(Certificate / Qualification obtained)*	Nama Sekolah Institusi *(Name of School / Institution)*	Tahun *(Year obtained)*	Bidang pengkhususuan *(Area of Specialization)*
Doctor of Philosophy	UM, Malaysia	2020	Organic electronics
Master of Science	Uni. of Sheffield, UK	2015	Materials Science & Engineering
Bachelor of Science	UM, Malaysia	2014	Physics

C. KEMAHIRAN BAHASA *(Language Proficiency)*					
Bahasa / *Language*	Lemah *Poor (1)*	Sederhana *Moderate (2)*	Baik *Good (3)*	Amat Baik *Very good (4)*	Cemerlang *Excellent (5)*
English				/	
Bahasa Melayu					/

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN *(Scientific experience and Specialisation)*				
Organization	*Position*	*Start Date*	*End Date*	*Expertise*
Universiti Putra Malaysia	Senior Lecturer	1/09/2020	Current	Academic & researcher
Ca' Foscari University of Venice, Italy	Research Fellow	1/2/2020	1/6/2020	Researcher

Polytechnique of Montreal, Canada	Research Fellow	1/9/2019	10/1/2020	Researcher

E. PEKERJAAN *(Employment)*				
Majikan / *Employer*	**Jawatan / *Designation***	**Jabatan / *Department***	**Tarikh lantikan / *Start Date***	**Tarikh tamat / *Date Ended***
Sony EMCS (Malaysia), Sdn. Bhd.	Software Quality Analyst	QA	May, 2014	August,2014
University of Malaya	Research Assistant	Physics	Jan, 2016	Jun, 2016

F. ANUGERAH DAN HADIAH *(Honours and Awards)*	
Academic Awards	1. Erasmus+ Higher Education Mobility Program, 2021 2. Recipient of Canada-Asean Scholarships and Educational Exchanges for Development, 2020 3. Silver medal in Melaka Intellectual Exposition 2019, Universiti Teknologi Mara, 2019, (National) 4. Recipient of 'Skim Latihan Akademik Bumiputera', Ministry of Higher Education, 2016 5. Recipient of Mara Scholarship, 2014 6. Best presenter award in Physics Colloquium Seminar, 2013 7. Selected for Sokendai Asian Winter School, 2012
Non-Academic Awards	1. Champion for Netball Sheffield Malaysian Games (2015) 2. 2nd runner for Netball Manchester & Notthingham Games (2015) 3. Champion for Handball Games (2010 – 2014)
Awards of Merit	1. Participation in The FameLab Malaysia, 2019 2. Participation in the UM3MT, 2019 3. AJK Committee of National Physics Conference (PERFIK), UM (2016) 4. Manager and player for Netball college team (2012 – 2013) 5. Orientation Facilitator for University Malaya (2012) 6. Committee Members of Physics Night in Physics Society, UM (2012)

G. SENARAI PENERBITAN *(List of publications)*	
Journal	**<u>Isi-journal articles</u>** 1. **N.A. Roslan**, A.A. Bakar, T.M. Bawazeer, M.S. Alsoufi, N. Alsenany, W.H.A. Majid, et al., Enhancing the performance of vanadyl phthalocyanine-based humidity sensor by varying the thickness, Sensors and Actuators B: Chemical, (2018). 2. **N.A. Roslan**, S.M. Abdullah, W.H.A. Majid, A. Supangat, Investigation of VTP:PC71BM organic composite as highly responsive organic photodetector, Sensors and Actuators A: Physical, 279(2018) 361-6. 3. **N.A. Roslan**, S.M. Abdullah, M.Z.M. Halizan, T.M. Bawazeer, N. Alsenany, M.S. Alsoufi, et al., VTP as an Active Layer in a Vertical Organic Field Effect Transistor, Journal of Electronic Materials, 47(2018) 2184-91. 4. M.Z.M. Halizan, **N.A. Roslan**, S.M. Abdullah, N.A. Halim, T.S. Velayutham, K.L. Woon, et al., Improving the operational voltage of vertical organic field effect transistor (VOFET) by altering the morphology of dielectric layer, Journal of Materials Science: Materials in Electronics, 28(2017) 11961-8. 5. L. W. Lee, F. Aziz, Z. Ahmad, **N. A. Roslan**, A. Supangat, & K. Sulaiman, Planar capacitive type humidity sensor fabricated using PTB7-Th by facile solution processing approach. Applied Physics A, (2019), 125(1), 16.

	6. S. Rafique, **N. A. Roslan**, S. M. Abdullah, L. Li, A. Supangat, A. Jilani, & M. Iwamoto, UV-ozone treated graphene oxide/PEDOT: PSS bilayer as a novel hole transport layer in highly efficient and stable organic solar cells. Organic Electronics (2018). 7. S. M. Abdullah, S. Rafique, K. S. Hamdan, **N. A. Roslan**, L. Li, and K. Sulaiman, "Highly sensitive capacitive cell based on a novel CuTsPc-TiO2 nanocomposite electrolytic solution for low-temperature sensing applications," Sensors and Actuators A: Physical, 289, 94-99, (2019). 8. S. Rafique, **N. A. Roslan**, et al., "An insight into the air stability of the benchmark polymer: fullerene photovoltaic films and devices: A comparative study," Organic Electronics, 76, 105456, (2020). 9. F. Aziz, A. Anuar, Z. Ahmad, **N. A. Roslan**, A. H. A. Makinudin, et. al., "Enhancing the Electrical Properties of Vertical OFETs Using a P (VDF-TrFE) Dielectric Layer," Journal of Electronic Materials, 49, 2, 1362-1371, (2020). 10. A. Anuar, **N. A. Roslan**, S. M. Abdullah, T.M. Bawazeer, et. al., "Improving the photo-current of poly (3-hexylthiophene):[6, 6]-phenyl C71 butyric acid methyl-ester photodetector by incorporating the small molecules," Thin Solid Films, 137976, (2020). 11. M. Azimi, A. Subramanian, **N. A. Roslan**, and F. Cicoira, "Flexible organic ion-gated transistors with low operating voltage and light-sensing application," Journal of Physics: Materials, vol. 4, no. 2, p. 024001, 2021. 12. N. A. M. Safian, **N. A. Roslan,** et al., "Enhanced Sensitivity of Zinc Phthalocyanine-based Microporous Humidity Sensors by varying size of Electrode Gaps," Sensors and Actuators B: Chemical, p. 130158, 2021.
Conferences, Workshop & Seminar	**Oral/Poster Presenter:** 1. **N. A. Roslan**, S. M. Abdullah, W. H. Abd. Majid, A. Supangat, "A novel hole transport layer based on UV-Ozone Treated Graphene Oxide/PEDOT:PSS for Highly Efficient And Stable Organic Solar Cells (OSCs)", The 18th International Symposium on Novel Aromatic Compounds (ISNA-18), Sapporo, Japan. 2. **N. A. Roslan**, S. M. Abdullah, W. H. Abd. Majid, A. Supangat, " Investigation of VTP:PC71BM organic composite as a highly responsive organic photodetector", UTM-Emerging Scientist Conference 2018 (UTMEScon2018), Johor, Malaysia. 3. **N. A. Roslan**, S. M. Abdullah, W. H. Abd. Majid, A. Supangat, "Photosensing performance of metal phthalocyanine/fullerenehetorojunction", 2018 Bilateral Symposium on Advanced Materials between UM-NTU, 13 August 2018 (Poster presentation). 4. **N. A. Roslan**, S. M. Abdullah, W. H. Abd. Majid, A. Supangat, "Investigation of VTP as an active component in vertical organic field effect transistor", National Physics Conference 2016 (PERFIK2016), Pullman, Kuala Lumpur.

H. PENGALAMAN MENGAJAR *(Teaching experiences)*		
Semester & Year	**Code and course name**	**Credit hour**
1st sem 2020/2021	PHY3105 – Modern Physics PHY3306 – Electronics	(3+0) (3+1)
2nd sem 2020/2021	PHY3304 – Principle of Measurement System PHY3306 – Electronics	(3+1) (0+1)
1st sem 2021/2022	PHY3105 – Modern Physics PHY3306 – Electronics	(3+0) (3+1)

I. PENYELIAAN *(Supervision)*			
Program level	**Name of student and Title of project**	**Main supervisor / Co-supervisor**	**Status**
Bachelor	Nur Afiqah bt Nizammesrasuria – Optical and Structural Properties of F16CuPc	Main supervisor	Ongoing
Bachelor	Muhammad Izzudin bin Mohd Najib – Integration of V_2O_5 nanoparticle in F16CuPc based Humidity Sensors	Main supervisor	Ongoing
Bachelor	Amirul Mirza Fahmi bin Shamsuri – Structural and Optical Properties of F16CuPc in Diffrent Deposition Methods	Main supervisor	Ongoing