

Curriculum Vitae of Nor Dalila Nor Affandi

i.	Full Name	Nor Dalila Nor Affandi
ii.	Academic Qualifications	<p>2011 Doctor of Philosophy RMIT UNIVERSITY, Australia</p> <p>2005 Bachelor of Science (Hons) Textile Technology, UNIVERSITY TEKNOLOGI MARA, Malaysia.</p> <p>2003 Diploma in Textile Technology, UNIVERSITY TEKNOLOGI MARA, Malaysia.</p>
iii.	Current Professional Membership	- MBOT (Malaysia Board of Technologists)
iv.	Current Teaching and Administrative Responsibilities	<p>- Programme Coordinator (penyelaras) BSc (Hons) Textile Science and Fashion Technology</p> <p>- Resource Person (RP) of Textile Fibres (TXL427)</p> <p>- Resource Person (RP) of Fashion Merchandising (TXL582)</p> <p>- Resource Person (RP) Characterization of Textile Materials (TXL713)</p>
v.	Previous Employment	<p>Aug. 2010 Researcher Department of Materials Science and Engineering COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION (CSIRO)</p> <p>June 2006- Dec. 2006 Part-time Lectuer Textile Technology Department, School of Industrial Technology UNIVERSITY TEKNOLOGI MARA, Malaysia.</p>
vi.	Conference and Training	<p><i>i. Refereed conference proceedings</i></p> <ol style="list-style-type: none"> 1) Mison, MI., Islam, MM., Epaarachchi, JA., Affandi, NDN., (2018) Water exposure, tensile and fatigue properties of treated hemp reinforced vinyl ester composites, AIP Conference Proceedings 2) Affandi, NDN., Ahamd, MR., Baharudin, A., NAA Shukry (2012). Effect of crosslinking on the solubility and morphological structures of the PVA nanofibres, Humanities, Science and Engineering (CHUSER), 2012 IEEE Colloquium, Putrajaya, Malaysia, 458. 3) Affandi, NDN., Truong, Y., Kyratzis, I., Padhye, R., Arnold, L. (2010) Fabrication and characterisation of hydrophobic and hydrophilic nanofibrous membranes, International Conference on Science and Social Research (CSSR) -IEEE conference proceeding, December 5 - 7, 2010,

		<p><i>ii. Conference proceedings (not indexed in IEEE/ISI/SCOPUS)</i></p> <p>i. Affandi, NDN., Ahmad, MR., Baharudin, A., Shukry, NAA. (2012) Effect of crosslinking on the solubility and morphological structures of the PVA nanofibres, IEEE Colloquium on Humanities, Science and Engineering (CHUSER).</p> <p>ii. Affandi, NDN., Truong, Y., Kyratzis, I., Padhye, R., Arnold, L. (2010) A non-destructive method for thickness measurement of electrospun membrane, Proceedings of International Conference on Nanoscience and Nanotechnology, February 22-26, Sydney, Australia.</p> <p>iii. Affandi, NDN., Truong, Y., Kyratzis, I., Padhye, R., Arnold, L. (2010) A study on the adhesion strength between electrospun bi-layer membranes as measured by peel test, Proceedings of International Conference on Electrospinning (Electrospin), January 26-29, 2010, Melbourne, Australia.</p> <p>iv. Affandi, NDN., Truong, Y., Kyratzis, I., Padhye, R., Arnold, L. (2009) Adhesion strength of bi-layer membranes, Proceedings of CSIRO Advanced Materials Conference, February 23-25, 2009, Melbourne, Australia.</p> <p>v. Affandi, NDN., Truong, Y., Kyratzis, I., Padhye, R., Arnold, L. (2008) Effect of spinneret diameter on electrospun fibre morphology, Conference proceedings of CSIRO Materials Science and Engineering, August 11-13, 2008, Melbourne, Australia.</p> <p>vi. Affandi, NDN., Truong, Y., Kyratzis, I., Padhye, R., Arnold, L. (2008) Effect of spinnerets diameter on fibre morphology of electrospun membranes, Proceedings of Australian Research for Advanced Materials (ARNAM), Deakin University, December 15-18, 2008, Geelong, Australia.</p>
vii	Research and Publications	<p>Chapters in Books</p> <p>1. Nor Dalila Nor Affandi . Penggunaan Nanoteknologi dalam Tekstil. Ensiklopedia Nanoteknologi, Dewan Bahasa dan Pustaka. (Pengeditan)</p>

Articles in Refereed Journals

1. **Affandi, NDN.,** NA Ibrahim., Fadil F (2020). Tuning surface roughness of electrospun poly caprolactone fibres by single solvent electrospinning system. Digest J. of nanomaterials and biostructures, 15, 1069.
2. Moreta, S., Cahyono, E., **Affandi, NDN.,** Fadil, F., Kurniawan (2020). Polymeric and non-polymeric nanofiber of Cinnamaldehyde from Cinnamon oil (*Cinnamomum zeylanicum*). Journal of Physics: Conference Series, 1567, 22035.
3. Hilmin, MNHM., Remeli, MF., Singh, B., **Affandi NDN.,** (2020). Thermoelectric Power Generations from Vehicle Exhaust Gas with TiO₂ Nanofluid Cooling. Thermal Science and Engineering Progress, 18 100558.
4. **Affandi, NDN.,** Fadil. F., Misnon, M.I (2019). Preliminary Study on the Adhesion Strength of Electrospun Bi-Layer Membranes by 180° Peel Test. Fibers and Polymers, 20, 1317.
5. Fadil. F., **Affandi, NDN.,** Misnon, M.I (2019). Mechanical behaviour of MWCNTs reinforced electrospun nanofibers. Journal of Macromolecules Science PART A, 56, 960.
6. Fadil. F., **Affandi, NDN.,** Misnon, M.I (2019). Identification of surfactants aggregates on graphitic surface of carbon nanotubes. Journal of Experimental Nanoscience. 14. 23.
7. Ibrahim, NA., **Affandi, NDN.,** Samsulrizal, N (2019). The Effects of Intrinsic Parameters on the Formation of Electrospun PolycaprolactoneFibre. International Journal of Engineering and Advanced Technology, 9, 5699.
8. **Affandi, NDN.,** Chin, L.Y., Fadil. F., Azhar, F.A (2018) Fabrication and Characterisation of Titanium Dioxide (TiO₂)/PVA Nanofibre Composites using Electrospinning. International Journal of Engineering & Technology. 7, 4.14.
9. **Affandi, NDN.,** Razak, ANN (2017) removal of pigment from textile wastewater by electrospun nanofibre membrane. Journal of Mechanical Engineering, 4(3), 190.
10. **Affandi, NDN.,** Ahamd, MR., Saleh, SH., Remeli, MF., Teo, NHHNI., Amran, NF (2017) Study on the formation of PVA/Kenaf nanofibres via electrospinning. Pertanika Journal of Science & Technology, 25, 85.
11. Remeli, MF., Singh, B., **Affandi, NDN.,** Ding, LC., Date, A., Akbarzadeh, A (2017). Investigation of Counter-Flow in a Heat Pipe–Thermoelectric Generator (HPTEG), Journal of Electronic Materials, 46, 3115.

		<p>12. Remeli, MF., Date, A., Orr, B., Ding, LC., Singh, B., Affandi NDN, Akbarzadeh, A (2016). Experimental investigation of combined heat recovery and power generation using a heat pipe assisted thermoelectric generator system. Energy conversion and management ,111, 147.</p> <p>13. Affandi, NDN., Truong, Y., Kyratzis, I., Padhye, R., Arnold, L. (2010) A non-destructive method for thickness measurement of thin electrospun membranes using white light profilometry, Journal of Material Sciences, 45, 1411.</p>
vii i.	Consultancy	<ol style="list-style-type: none"> 1. Short course on Fibre Identification Test for Institute Kraf Negara, 2017 - 2019 2. Short course on New Development in Textile and Apparel for STRIDE, 2018 3. Short course on Textile Materials for Jabatan Kimia Malaysia, 2018 4. Short course on Textiles, Plastics, Metal and Glass for FRIM, 2019 5. Textile Testing for Akademi Polis Diraja Malaysia, 2016. 6. Fibre identification test for ESTOP company, 2016. 7. Fibre identification test for Filtremation company, 2016. 8. Textile Testing for Pusat Penyelidikan Kebombaan, 2017
ix.	Community Service	<ol style="list-style-type: none"> 1. Kelab Sokongan Ibu Bapa (KSIB) mewakili Tahun 2, Sekolah Kebangsaan Bandar Anggerik Sekolah Kluster Kecermelangan 2. Sukarelawan Hari Guru 2019, Sekolah Kebangsaan Bandar Anggerik Sekolah Kluster Kecermelangan
x.	Other relevant information	<ol style="list-style-type: none"> 1. Served as a reviewer for several local and international journals, such as: <ul style="list-style-type: none"> • Journal of Advanced Manufacturing Technology (JAMT) • International Journal of Engineering and Advanced Technology • Journal of Mechanical Engineering • International Journal on Engineering & Technology 2. Served as an external examiner for the following student, <ol style="list-style-type: none"> a) Najwa Wajihah Binti Mohd Rusli, MSc, UTHM (2019) 3. Served as an internal examiner for the following students, <ol style="list-style-type: none"> a) Aiman Danial Pawan Chik , M.Sc, UiTM (2019) b) Illani Binti Ibrahim, MSc. (2019) c) Amira Syazwani Mustafa Kamal (2020)

		d) Served as an examiner for several pre-viva, defense research proposal for postgraduate and final year research projects, UiTM, 2012- to Present.
	Field of expertise	Nanofibres, Nanotechnology in Textiles and Fibre science.