

i.	Full Name	Hairani Tahir
ii.	Academic Qualifications	<p>2009 Master of Science (Chemical Engineering) Universiti Putra Malaysia</p> <p>1999 Bachelor of Engineering (Polymer) Universiti Teknologi Malaysia</p> <p>1996 Diploma in Rubber and Plastics Technology Universiti Teknologi MARA (UiTM)</p>
iii.	Current Professional Membership	- MBOT
iv.	Current Teaching and Administrative Responsibilities	- Resource Person (RP) Latex Technology (PST 464) - Resorce Person (RP) and Coordinator Final year project II (FSG 661)
v.	Previous Employment	
vi.	Conference and Training	<ol style="list-style-type: none"> 1. FTIR training course PERKIN ELMER training centre Singapore (Julai 2000) 2. DSC and TGA training course Perkin Elmer Petaling Jaya (Ogos 2001) 3. Bengkel Asas Penyelidikan FSG (8-7-2008) 4. Bengkel Latihan I-learn FSG (18-6-2008) 5. Bengkel Semakan Ko-kurikulum Genting View Resort Genting Highland (4-6 Apr 2008) 6. Synchrotron Worksyop Universiti Malaya Feb 2012 7. 2D Electrophoresis hands on HIR building Universiti Malaya (25 and 26 Nov 2013) 8. Proteom Talk HIR building Universiti Malaya (27 Nov 2013) 9. Short course on polymer characterisation UITM Shah Alam (2004) 10. Current Development and Future Trends of coating Industry Hotel Blue wave (20-21 -8-2008) 11. UniKL 27-28 Nov 2007 12. IPCSM UPSI Perak 3-5 okt 2013 13. 4th Polymer Congress PWTC 4-8 Okt 2015 14. NSPM 2017 21-22 Oct 2017 UiTM Shah alam
vii.	Research and Publications	Physical Properties and Characterization of Magnesium hydroxide and Calsium silicate filled Flame Retardant Polypropylene (1999-2000)

	<p>2. Pilot Study on Cellulose Acetate Membrane (2000-2001) – Projek BRC</p> <p>3. Cross-flow filtration of Cellulose Acetate Membrane (2000—2002) – Projek BRC</p> <p>4. Preparation and Characterization of Carbon nanotubes, carbon fiber and carbon nanofiber –Natural rubber compound – Master Research UPM (2004-2008)</p> <p>5. Thermal and Crystallization studies of natural diene pigment with fatty acid ester filled polyolefin (15 Sept 2007 – 15 Sept 2009) Projek FRGS</p> <p>6. Natural rubber latex waste protein: isolation, characterization and application (2011-2015)</p> <p>7. Application study of the protein from Natural Rubber Latex (NRL) wastewater (01 July 2017-30 Jun 2019)</p> <p>8. Antimicrobial Glove MREPC Industry Linkage Fund Research grant (1st Oct 2018 to 31st Sept 2021)</p> <p>Publications :</p> <p>1. Ahmadun F. R., M.A. Atieh, Tahir, H., Girun N, Chuah T.G., Sadig M.El, and Biak D.R.A. 2006. Effect of multi-wall carbon nanotubes on the mechanical properties of natural rubber, Composite Structures, 495-500</p> <p>2. Hairani Tahir, Rahmah Mohamed, Fakhr’ul Razi Ahmadun, Mohamed Amran Mohd Salleh, T. G. Chuah , VIIth National Symposium On Polymeric Materials 2007, Carbon nanotubes, Carbon fiber and carbon nanofiber for natural rubber applications</p> <p>3. Norazlin Razak , Rahmah Mohamed, Radin Siti Fazlina Nazrah Hirzin Determination of Avrami exponent and kinetics of crystallization for palm oil filled polypropylene using Differential Scanning Calorimetry (DSC) . . NSPM Symposiun 26 27 Nov 2008 p28</p> <p>4. Hairani Tahir, Norazlin Razak , Rahmah Mohamed, Radin Siti Fazlina Nazrah Hirzin .Effect of cooling time and isothermally held temperature on spherulitic growth rate for palm oil filled PP using Polarized Optical Microscope (POM) NSPM Symposiun 26 27 Nov 2008 ,p58.</p> <p>5. Rahmah Mohamed, Hairani Tahir, Effect of Isothermally Hold Temperature and Spherulite Growth rate for Palm Oil Filled PP using Polarized Optical Microscope (POM). 17th EMSM</p>
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		<p>Conference, Holiday Inn Glenmarie Shah Alam 18 – 20th Dec. p 33. Sent for Journal of Microscopy.</p> <p>6. Rahmah Mohamed, , Norazlin Razak, Amir Fakhru Islam NoorHuda Suria, Hairani Tahir, Radin Siti Fazlina Hirzin Effect of Palm Oil Incorporation On Crystallisation, Melt Fusion and Melt Flow Index Of Polypropylene. Proc. 30 APS (Australian Polymer Symposium) 30 Nov –4 Dec 2008 p130-140 (A4//6)</p> <p>7. Amir Fakhru Islam1, M.Rahmah 1, T.Hairani 1. Effect Of Aging On Film Strength And Crystallisation Studies Of Natural Degradant Filled Polypropylene. 4th International Conference On Recent Advances In Materials, Minerals & Environment And 2nd Asian Symposium On Materials & Processing, 1-3 June 2009,</p> <p>8. Amir Fakhru Islam1, N.H.Awang, M.Rahmah 1, T.Hairani 1 Effect Of Crystallinity And Transmission Of Dione Pigment / Palm Oil Filled Ldpe Film Upon Heat Aging. 4th International Conference On Recent Advances In Materials, Minerals & Environment And 2nd Asian Symposium On Materials & Processing, 1-3 June 2009</p> <p>9. The behavior of semi-rigid polyurethane film based on functionalized rubber by one-shot and two-shot method preparation ..., AD Azzahari, R Yahya, A Hassan, H Tahir - Journal of Materials ..., 2018 – Springer</p> <p>10. Purification and characterisation of protein from natural rubber latex (NRL) skim serum H Tahir, M Misran, R Mohamed - AIP Conference Proceedings, 2018 - aip.scitation.org</p> <p>11. Tensile and antimicrobial properties of linear low density polyethylene (LLDPE) and chitosan blend SAM Isa, R Mohamed, H Tahir... - AIP Conference ..., 2018 - aip.scitation.org</p> <p>12. Metal extraction studies of protein isolated from natural rubber latex (NRL) waste H Tahir, M Misran, R Mohamed - AIP Conference Proceedings, 2018 - aip.scitation.org</p> <p>13.</p>
vii i.	Consultancy	Committee (Standard Working Group) LGM TC 45

ix.	Community Service	
x.	Other Relevant Information	
	Field of expertise	Natural rubber latex products and technology, Polymer Characterization, Hevea protein