



CURRICULUM VITAE



Dr. Nor Hanifawati Bt Inai
B.Eng. (Hons) (UNIMAS), M.Sc (UPM),
Ph.D (University of Exeter, UK)

Department of Basic Science and Technology,
 Faculty of Agriculture and Food Science,
 Universiti Putra Malaysia Bintulu Sarawak Campus,
 97008 Bintulu, Sarawak,
 Malaysia.

T: 086-855845

Email : hanifawati@upm.edu.my

Education

1. Ph.D (Engineering), 2019, University of Exeter, Devon, UK.
2. M.Sc. (Mechanical Engineering), 2014, Universiti Putra Malaysia.
3. B.Eng. (Hons) (Mechanical and Manufacturing System), 2007, Universiti Malaysia Sarawak.

Areas of interest

1. Nanocellulose, High Performance Cellulose Fibres
2. Interfacial Analysis Nanocomposites
3. Biopolymer and Agro-waste Composite Materials
4. Composite Modifications and Properties Enhancements

Professional Qualification/ Membership/ Affiliation

1. Graduate Engineer, Board of Engineers Malaysia (BEM) (GE 177784)
2. Member, International Association of Engineers (IAENG) (249214)
3. Member, IAENG Society of Mechanical Engineering (ISME)
4. Member, International Association of Advanced Materials (IAAM) (839252604685)

Publications					
Journals					
<p>N.H. Inai, A.E. Lewandowska, O.R. Ghita, S.J. Eichhorn. Interfaces In Polyethylene Oxide Modified Cellulose Nanocrystal - Polyethylene Matrix Composites. <i>Composites Science and Technology</i>, 2018, 154,128-135.</p>					
<p>A.E. Lewandowska, N.H. Inai, O.R. Ghita, S.J. Eichhorn. Quantitative Analysis Of The Distribution And Mixing Of Cellulose Nanocrystals In Thermoplastic Composites Using Raman Chemical Imaging. <i>Royal Society of Chemistry</i>, 2018, 8, 35831- 35839.</p>					
<p>I. N. Hanifawati, M.A. Azmah Hanim, S.M. Sapuan and E.S. Zainudin. 2011. Tensile and Flexural Behavior of Hybrid Banana Pseudostem/Glass Fibre Reinforced Polyester Composites. <i>Key Engineering Materials</i> 471-472: 686-691. (Indexed by Scopus).</p>					
Conference Proceedings					
<p>N.H. Inai, O.R. Ghita, S.J. Eichhorn. “Interfacial Assessment of Cellulose Nanocrystal Reinforced Thermoplastic Composites using Raman Spectroscopy”,<i>4th Annual Action Conference Optical Nanospectroscopy IV</i>, March 2017, Lisbon, Portugal.</p>					
<p>N.H. Inai, O.R. Ghita, S.J. Eichhorn. “Melt Extrusion of Cellulose Nanocrystals Reinforced Polymer”, <i>COST FP1205: Cellulosic material Properties and industrial potential (Final meeting)</i>, March 2017, Stockholm, Sweden.</p>					
<p>N.H. Inai, O.R. Ghita, S.J. Eichhorn. “Effect of Compatibilizer on the Mechanical Properties of Cellulose Nanocrystal Reinforced Thermoplastic Composites”, <i>COST Training School FP1205: International Training School on Nanocellulose Characterization</i>, January, 2017, Potsdam, Germany.</p>					
<p>I. N. Hanifawati, M.A. Azmah Hanim, S.M. Sapuan and E.S. Zainudin. “Tensile and Flexural Behavior of Hybrid Banana Pseudostem/Glass Fibre Reinforced Polyester Composites”. <i>8th International Conference on Composite Science and Technology</i>, 2011, Kuala Lumpur, Malaysia.</p>					
Chapter in books					
<p>Nor Hanifawati Inai and Azmah Hanim Mohamed Ariff. Moisture Absorption in Banana/Glass Fibre Composite. Chapter in <i>Basic Methodology: Sample Preparation and Characterization</i>. Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, Universiti Putra Malaysia. Malaysia. 139-146. (ISBN: 978-983-2408-64-2).</p>					
Awards/Recognition					
Name of Awards	Title	Award Authority	Award type	Year	

	Best Poster Award	Tensile and flexural behavior of hybrid banana pseudostem/glass fibre reinforced polyester composites	8th International Conference on Composite Science and Technology, Kuala Lumpur	International	2011	
--	-------------------	---	--	---------------	------	--

Training and Short courses

No.	Title	Venue	Year
1.	Tunicates Nanocrystal Preparation Procedure	University of Fribourg, Switzerland.	2017
2.	COST Training School FP1205, International Training School on Nanocellulose Characterization.	Fraunhofer Institute of Applied Polymer Research Potsdam-Golm, Germany.	2016
3.	Learning and Teaching in Higher Education Programme	University of Exeter, United Kingdom.	2015

Research grants

No.	Title	Position	Amount	Year	Source of Fund