

INTERNATIONAL SYMPOSIUM ON POLYMERIC MATERIALS 2022

14 – 15 JUNE 2022

Day 2: 15 June 2022 (Wednesday)

Time		Event Day-2		
0830 – 0900		Session Login & Preparation		
0900 – 0930		(Chair) Assoc. Prof. Dr. Edi Syams Zainudin	Keynote Speaker 1: Prof. Ts. Dr. Ismail bin Zainol	
			Title: Natural Hydroxyapatite from Fish Scales as Potential Fillers in Polymer Composite for Biomedical Applications	
0930 – 1000			Keynote Speaker 2: Assoc. Prof. Dr. Mainul Islam	
			Title: Effect of Dispersion Time for Nanoparticles in DGEBA Shape Memory Polymer Composite Manufacturing	
1000		Session Login & Preparation		
Track		Polymer technology and Biopolymer	Natural fibre composites and Rubber-based composites	Nanocomposite and Advanced manufacturing of composite
		Room 1	Room 2	Room 3
		Chair: Dr. Aisyah Humaira Alias	Chair: Assoc. Prof. Ts. Dr. Muhd Ridzuan Mansor	Chair: Ts. Dr. Mohd Adrinata Shaharuzaman
1000 – 1015		PR-34 (M. S. Parvez, M. M. Rahman) Conductivity Augmentation of Polyaniline (PANI)-PEDOT: PSS Hybrid Induced Cotton Fabric	PR-35 (A. Wichianchom, W. Taweeprada, Q. Ali) Modification of Chitosan-Based Membrane with Epoxidized Natural Rubber	PR-36 (Mohd Hakim M.N., Mastura M.T., Nadlene R.) The Effect of Chemical Treatment Towards Physical Dimensions of Sugar Palm Fiber/PLA Composite Filament for FDM
1015 – 1030		PR-37 (A.H. Nordin, R.A. Ilyas, N. Ngadi) Starch-Based Plastics: A Bibliometric Analysis (1990-2021)	PR-41 (S. H. A. Hisham, S. A. Shamsuddin, S. N. H. Hadie, Z. Mohd Ismail, F. Kasim, A. Rusli, Z. A. A. Hamid, and K. I. Ku Marsilla) Development of 3D Printed Human Brain Models using Thermoplastic Polyurethane/Rubber Blends for Anatomy Teaching Promoting Kinaesthetic Learning Purposes	PR-38 (M.A.H.M. Yusri, M.Y.M. Zuhri, M.R. Ishak and M.A. Azman) Compression Properties of Sandwich Structures Made of Kenaf/PLA Composite
1030 – 1045		PR-40 (Sirisak Seansukato, Wirach Taweeprada, Chanaphan Lamlong, and Arthanareeswaran Gangasalam) Physico-Chemical Properties of PVC Resin Membrane Blending with PEO	PR-46 (Wan Muhammad Izzat Wan Zaludin, Nurul Zuhairah Mahmud Zuhudi, Khairul Dahri Mohd Aris) Effect of the Fabric Geometrical Parameters on the Permeability Behaviour of Woven Flax Fabrics	PR-47 (Ezriq El Sufri Mohd Noor, Nurul Zuhairah Mahmud Zuhudi, Ahmad Naim Ahmad Yahaya, Muzafar Zukifli) Convergence of Finite Element Model for Transient Thermal Simulation of Composite Laminate
1045 – 1100		PR-43 (A. F. Lajulliadi, N. A. Khalil, A. N. A. Yahaya, M. Zulkifli) Effect of Parameters Manipulation on Cellulose Extraction Process Using Eco-Friendly Solvent and Production of Cellulose Transparent Film from Oil Palm Frond	PR-50 (N.Z.M. Zuhudi, K. Jayaraman, R. J.T. Lin) Water Absorption Behaviour of Bamboo-Glass Hybrid Polypropylene Composites	PR-42 (N.A. Khalil, A.M. Abu Huraira, S.N.D. Janurin, A.N.S. Fizat, N. Ahmad, M. Zulkifli, M.S. Hossain, A.N. Ahmad Yahaya) Magnetic Chitosan Hydrogel Beads as Adsorbent for Copper Removal from Aqueous Solution
1100 – 1115		PR-25 (N.M. Nurazzi, N. Abdullah, S.Z.N. Demon, N.A. Halim and I.S. Mohamad) Non-Covalent Functionalisation Poly (3-Hexylthiophene-2,5-Diyl) Wrapped Hydroxylated Multi-Walled Nanocomposites: Effect of Reaction Time	PR-52 (S A S Abdullah, N Z M Zuhudi, K D Mohd Aris, M D Isa) The Effect of Alkali Treatment Under Various Condition on Physical and Tensile Properties of Kenaf Fiber	PR-59 (S. Hamat, M.R. Ishak, S.M. Sapuan, N. Yidris) Effect of Filament Fabrication Parameter on Flexural Properties of 3D Printing PLA Filament
1115 – 1130			PR-30 (A.E. Hadi, J.P. Siregar, T. Cionita, A.P. Irawan, D.F. Fitriyana, R. Junid) Tensile Properties of Sea Apple Leaf (SALF) Filler Reinforced Polyester Composite	
1130 – 1200		(Chair) Prof. Dr. Arthanareeswaran Gangasalam	Keynote Speaker 3: Dr. Wirach Taweeprada	
			Title: Consistency of Natural Rubber - Effect of Coagulant on Processing Properties	
1200 – 1400		Break		
1400		Session Login & Preparation		
Track		Polymer technology and Biopolymer	Natural fibre composites and Rubber-based composites	Nanocomposite and Advanced manufacturing of composite
		Room 1	Room 2	Room 3
		Chair: Dr. Siti Hasnah Kamaruddin	Chair: Dr. Nadlene Razali	Chair: Dr. Muhamad Amin Azman
1400 – 1415		PR-44 (Noor Intan Saffinaz Anuar, Chao Lu, Sarani Zakaria, Sinyee Gan, Qi Zuo & Chunhong Wang) Interfacial Bonding Properties of Treated Kenaf/Polypropylene with Silane PVA/ Urea	PR-53 (M.E. Azni, M. Suhaini, R. Noorain, S.H.S. Mariam, M.N. Azra, Y.Y. Yeong, M. Rozyanti) Polymeric Materials Used for Immobilization of Microalgae for The Bioremediation of Palm Oil Mill Effluent	PR-51 (Sharifah Nor Fatin 1, Khairul Dahri bin Mohd Aris2, Muhammand Najib bin Ismail) A Review: RMS - Rapid Motion Scanner Technique on Measuring Material Velocity and Thickness of Flax Fiber Prepreg
1415 – 1430		PR-45 (Wan Nursheila Wan Jusoh, S.A.S. Abdullah, A.H. Ahmad Hamzah, R. Zainal Abidin, T. Tengku Harun, Nurafiqah N.K, Z. Sahwee, Shahrul Ahmad, N. L. Mohd Kamal, S. Abdul Hamid, N. Norhashim) Influence of Ammonium Polyphosphate (APP) and Sodium Hydroxide (NaOH) Surface Treatments on Kenaf Fibres Thermal Properties	PR-48 (Nurul Zuhairah Mahmud Zuhudi, Krishnan Jayaraman, Richard TJ Lin) Recycling of The Natural Fibre Composites and Their Hybrids: A Preliminary Study	PR-54 (Othman Elmy-Nahida, Hidayah Ariffin, Haruo Nishida, Yoshito Andou, Mansor Ahmad, Wan Md Zin Wan Yunus, Mohd Ali Hassan) Variation and Kinetics of Poly(3-Hydroxybutyrate) Depolymerization Behavior in Steam-Assisted Hydrolysis
1430 – 1445		PR-49 (N. Danmatam and D. Pattavarakorn) UV-Shielding Biodegradable Films Based on Carboxymethyl Cellulose Filled with Henna Extracts	PR-21 (N.A. Maidin, S.M. Sapuan, M.T. Mastura, M.Y.M. Zuhri) Natural Fiber Reinforced Polymer Composites: Opportunities, Challenges and Its Applications	PR-56 (A. S. Norfarhana, R.A. Ilyas, N. Ngadi, A.H. Nordin, Nur Hafizah Ab Hamid) Nanofiller-Content Rubber Composites
1445 – 1500		Break		
1500		(Session MC) Fatin Najwa Joynal Abedin		
		Closing ceremony		
		1. Award ceremony		
		2. Hand-over ceremony and Closing speech		
		Assoc. Prof. Dr. Zulkifli Leman		
End				