

International Conference on Polymers and Composites

ICPC 2021, 7-8 December 2021 (Online)

Conference Program

Day 1, Tuesday, 7 December 2021

Inaugural Session					
09:30 – 09:40	Recitation National Anthem Introductory video			Miss Ayesha Afzal	
09:40 – 09:45	Secretary Remarks		Dr. Khubab Shaker	NTU, Faisalabad	
09:45 – 09:50	Welcome Note by Chair		Dr. Yasir Nawab	NTU, Faisalabad	
09:50 – 09:55	Welcome Note by Co-chair		Dr. Asif Ali Qaiser	UET Lahore	
09:55 – 10:00	Welcome Note by Co-chair		Dr. Nasir Ahmad	NUST, SCME, Islamabad	
10:00 – 10:05	Welcome Note by Co-chair		Dr. Murid Hussain	COMSATS, Lahore	
10:05 – 10:10	Welcome Note by Co-chair		Mr. Imtiaz Rastgar	Pakistan Aerospace Council	
10:10 – 10:15	Welcome Note by Co-chair		Dr. Shukur Abu Hassan	Universiti Teknologi Malaysia, Malaysia	
10:15 – 10:30	Inaugural Talk		Chief Guest, Prof. Dr. Tanveer Hussain	Rector NTU	
Break	10:30 – 10:45				
Session 1				Session Chair: Dr. Asif Hafeez	
10:45 – 11:15	ICPC-2021-KN-01	Abdel-Fattah M. Seyam		Keynote Talk NC State University, USA	Maximizing the performance of 3D printed fiber-reinforced composites
11:15 – 11:45	ICPC-2021-KN-02	Mehmet Karahan		Keynote Talk Bursa Uludag University, Turkey	Experimental investigation of low energy impact properties of 3-d spacer fabric sandwich composites
11:45 – 12:15	ICPC-2021-KN-03	Manwar Hussain		Keynote Talk Hanyang University, South Korea	Pressure Sensitive Nanocomposites of MWCNT Coated Poly-methyl methacrylate dispersed Thermoplastic Polyurethane
12:15 – 12:30	ICPC-2021-34	Mohd Nurazzi Norizan	mohd.nurazzi@gmail.com	Universiti Pertahanan Nasional Malaysia	Sugar palm fibre reinforced unsaturated polyester composites: effect of fibre loading and fibre orientation on tensile and flexural properties
12:30 – 12:45	ICPC-2021-04	Azam Ali	azam.ali@tul.cz	Technical University of Liberec, Czech Republic	Electrothermal jute fiber reinforced green composites
12:45 – 01:00	ICPC-2021-03	Mehmet KOPAR	512025007@ogr.uludag.edu.tr	Bursa Uludag University, Turkey	Investigation of surface properties of carbon fiber thermoplastic composites produced by hot pressing method

01:00 – 01:15	ICPC-2021-33	M. R. M. Asyraf	asyrafritz96@gmail.com	Universiti Tenaga Nasional, Malaysia	Product development of natural fibre composites: a review of design of sustainability
Break		01:15 – 02:00			
Session 2					Session Chair: Dr. Kashif Bangash
02:00 – 02:30	ICPC-2021-KN-04	SM Sapuan		Keynote Talk Universiti Putra Malaysia	Development and characterization of natural fibre Reinforced biopolymer composites for packaging applications
02:30 – 02:45	ICPC-2021-01	Fatmagül DEDE	532010007@ogr.uludag.edu.tr	Bursa Uludag University, Turkey	Investigating the impact of ozone concentration and humidity level on carbon/epoxy composites ageing
02:45 – 03:00	ICPC-2021-45	Muhammad Ayub Asghar	ayubasghar1969@yahoo.com	NTU, Faisalabad	Enhanced mechanical performance of jute/PP composites using jute singeing and yarn commingling techniques
03:00 – 03:15	ICPC-2021-30	Ashraf Azmi	ashraf.azmi@uitm.edu.my	Universiti Teknologi, Malaysia	Modeling and simulation of low-density polyethylene production in tubular reactor
03:15 – 03:30	ICPC-2021-37	Zakariya Zubair	zzubair@ntu.edu.pk	National Textile University, Pakistan	Development and characterization of 3D Woven Fabrics for the shape memory composite structure
03:30 – 03:45	ICPC-2021-12	Ahsan Mahboob	ahsanmahboob15@gmail.com	The University of Lahore, Pakistan	Indigenous development of light weight FRP composite leaf springs for automobile suspension systems
Break		03:45-04:00			
Session 3					Session Chair: Dr. Zakariya Zubair
04:00 – 04:30	ICPC-2021-KN-05	Xiaodong Wang		(Keynote Talk) Beijing University of Chemical Technology, China	Flexible and Foldable Composite Films Based on Polyimide/Phosphorene Hybrid Aerogel and Phase Change Material for Infrared Stealth and Thermal Camouflage
04:30 – 04:45	ICPC-2021-09	Bibi Amna	bibiamnahussain@gmail.com	Quaid-i-Azam University, Islamabad	Synthesis of thieno [3, 2-b] thiophene (tt)-based copolymers for organic field effect transistors
04:45 – 05:00	ICPC-2021-27	Sundaramoorthy Palaniamy	sundaramoorthy.palanisamy@tul.cz	Technical University of Liberec, Czech Republic	An analysis of the carbon preforms for electromagnetic shielding
05:00 – 05:15	ICPC-2021-44	Dr. Zubair Khaliq	zubair.khaliq@ntu.edu.pk	National Textile University, Faisalabad	Electrospinning: An effective nano-fibers production method for advanced applications.
05:15 – 05:30	ICPC-2021-10	Khadija Zubair	khadijazubair65@gmail.com	National Textile University, Faisalabad	Reinforcement of Polyaniline coated Graphene particles in polymer-based nanocomposites for EMI shielding
05:30 – 05:45	ICPC-2021-31	Iylia Idris	iyliaidris@uitm.edu.my	Universiti Teknologi, Malaysia	Effects of membrane selectivity and configuration on purity and recovery of carbon dioxide from a coal fired power plant

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Day 2, Wednesday, 08 December 2021

Session 1	Abstract Serial No.		Email		Session Chair: Dr. Zubair Khaliq
09:30 – 10:00	ICPC-2021-KN-06	Arshad Mehmood		Keynote talk Archroma, Pakistan	Unsaturated Polyester Resin – Pakistan market dynamics & growth opportunities
10:00 – 10:15	ICPC-2021-05	Asif Ali	asif.ali@itu.edu.pk	Information Technology University, Lahore, Pakistan	Electrically conductive sustainable green composites
10:15 – 10:30	ICPC-2021-20	Ali Afzal	aliafzalch89@gmail.com	NTU, Faisalabad	Investigation of raw material characteristics of polyvinyl alcohol filament for suture applications
10:30 – 10:45	ICPC-2021-18	Shagufta Riaz	shaguftariaz84@gmail.com	NTU, Faisalabad	Development of durable visible light induced self-cleaning textile by application of zno-doped-Fe ₂ O ₃ nanoparticles
10:45 – 11:00	ICPC-2021-35	Mohd Nor Faiz Norrahim	norrahim@gmail.com	Universiti Pertahanan Nasional Malaysia	Nanocellulose as a novel filtration material of organophosphorus compounds
11:00 – 11:15	ICPC-2021-50	Dr. Zulfiqar Ahmad Rehan	zarehan@ntu.edu.pk	NTU, Pakistan	Polyethersulfone coated Ag-SiO ₂ nanoparticles: a multifunctional and ultrafiltration membrane with improved performance
Break		11:00 – 11:15			
Session 2					Session Chair: Dr ZA Rehan
11:15 – 11:45	ICPC-2021-KN-07	Muhammad Ali Nasir		Keynote Talk UET Taxila, Pakistan	Development and characterization of multi-network hydrogels for building cooling applications
11:45 – 12:00	ICPC-2021-46	Asif Hafeez	ahafeez@ntu.edu.pk	NTU, Pakistan	Tuneable Molecular Selective Boron Nitride Nanosheet Composite Lamellar Membrane for Dye Separation
12:00 – 12:15	ICPC-2021-06	Adeel Ahmad Hassan	adeels.online14@gmail.com	Shanghai Jiao Tong University, China	Thermo-oxidative exfoliation of carbon black from ground tire rubber as potential reinforcement in green tires
12:15-12:30	ICPC-2021-32	Abu Hassan Nordin	abuhassannordin@gmail.com	Universiti Teknologi, Malaysia	Preparation of chitosan/alginate/fe ₃ o ₄ via crosslinking for aspirin removal from wastewater
12:30 – 12:45	ICPC-2021-16	Mehwish Ehsan	mehwish1170@gmail.com	University of Wah, Wah Cantt	Sodium alginate based nanocomposite membranes for oil-water separation from wastewater

12:45 – 01:00	ICPC-2021-25	Nayab Siddique	nayabsiddique999@gmail.com	Lahore College for Women University, Lahore	Preparation and characterization of guaran based membranes for waste-water treatment
01:00 – 01:15	ICPC-2021-38	Muhammad Kashif Bangash	kashifbangash@ntu.edu.pk	National Textile University, Pakistan	Study of Flexural behavior of Carbon Fibre Reinforced Polymer (CFRP)/ Al-Honeycomb and Al-Foam Sandwich Composites for Automotive and Aerospace Applications.
Break		01:15 – 02:00			
Session 3					
02:00 – 02:30	ICPC-2021-KN-08	Ahmad Ilyas Bin Rushdan		Keynote Talk Universiti Teknologi Malaysia	Nanocellulose as reinforcement in polymer nanocomposites
02:30 – 02:45	ICPC-2021-13	Nadia Akram	nadiaakram@gcuf.edu.pk	Government College University Faisalabad	Poly(vinyl) chloride bioplastics: the green replacement of conventional plastics:
02:45 – 03:00	ICPC-2021-43	Muzzamal Hussain	muzzamal313@gmail.com	National Textile University, Pakistan	Effect of Different Reinforcement Materials and Matrix on Delamination Characteristic of Metal-Composite Bond
03:00 – 03:15	ICPC-2021-08	Aliya Fazal	aliyafazal@fjwu.edu.pk	Fatima Jinnah Women University, Rawalpindi	Process - property relationship of polylactic acid nanocomposites: application as antimicrobial agent
03:15 – 03:30	ICPC-2021-22	Adeel Mehmood	enr.adeel89@gmail.com	UET Taxila, Pakistan	Mechanical characterization of wood based biodegradable green composites
03:30 – 03:45	ICPC-2021-28	Amna Siddique	amnasiddique104@hotmail.com	NTU, Faisalabad	Extraction and Coating Application of a Bio-Colorant on Textiles
03:45 – 04:00	ICPC-2021-23	Sharjeel Abid	m.sharjeel.abid@gmail.com	NTU, Faisalabad	Increasing the reproducibility of chitosan nanofiber for medical textiles
04:00 – 04:15	ICPC-2021-36	Jamal Tarique	tarique5496@gmail.com	Universiti Putra Malaysia	Development of thermoplastic arrowroot starch-based films and its food packaging application: A review
Break		04:15 – 04:30			
Closing Session					
04:30 – 04:40		Poster Competition Announcement			
04:40 – 04:45		Conference Secretary		Closing Remarks	