

**MJIC 2021
PROGRAMME TABLE**

APRIL 7, 2021 (WEDNESDAY)

Room 1

MASTER OF CEREMONY: ASSOC. PROF. DR ZURAIDA KHUSAIMI

08:30-09:00	OPENING CEREMONY Officiated by PROF. DR MOHD NAZIP SURATMAN Deputy Vice Chancellor (Research and Innovation) Universiti Teknologi MARA
MODERATOR: ASSOC. PROF. TS IR DR MOHAMAD HAFIZ MAMAT	
09:00-10:00	KEYNOTE LECTURE Ts. MOHD HELME BIN MOHD HELAN National Nanotechnology Centre (NNC), MOSTI Malaysia's Nanosafety Initiatives – Why We Need This, What Have We Done and Our Future Plans
10:00-11:00	INVITED LECTURE PROFESSOR DR I.B. SHAMEEM BAN B. S. Abdur Rahman Crescent Institute of Science and Technology
11:00-11:30	BREAK & POSTER SESSION

	PARALLEL SESSION	
	Room 1	Room 2
	MODERATOR: DR MOHD LOKMAN IBRAHIM	MODERATOR: TS. DR NURUL IZRINI IKHSAN
11:30-12:10	INVITED LECTURE ASSOC. PROF. DR NAFARIZAL NAYAN Universiti Tun Hussein Onn Malaysia	INVITED LECTURE ASSOC. PROF. DR AZMI MOHAMED Universiti Pendidikan Sultan Idris
12:15-12:55	INVITED LECTURE ASSOC. PROF. DR MOHD AMBRI MOHAMED Universiti Kebangsaan Malaysia	INVITED LECTURE ASSOC. PROF. TS. DR MOHD KHAIRUL AHMAD Universiti Tun Hussein Onn Malaysia
13:00-14:00	LUNCH & POSTER SESSION	
	Room 1	Room 2
14:00-14:30	INVITED LECTURE ASSOC. PROF. DR N. VASIMALAI B. S. Abdur Rahman Crescent Institute of Science and Technology	INVITED LECTURE DR LIM YING CHIN Universiti Teknologi MARA
14:30-14:45	A Shamsul Rahimi Bin A Subki Effect of Doping Impurities on Zinc Oxide based Humidity Sensor Sensing Capability : A Review	Abhay Kumar Mondal Mist Chemical Vapour Deposition Growth of Heteroepitaxy Alpha Gallium Oxide Ultra Thin Film on C Plane Sapphire Substrate
14:45-15:00	Sara Maira Mohd Hizam Pyrrole-Reduced Graphene Oxide Pellet: A Promising Heavy Metal Ions Detector	Haruki Fukita Object Detection Using Ultrasonic Radar
15:00-15:15	Jamal Kazmi Stable Room-Temperature Ferromagnetism by Well-Aligned 1D Co-doped Zinc Oxide Nanowires	Khairunnisa Khairudin Light-driven Micromotor Synthesis and its Environmental Application: Mini Review
15:15-15:30	Mohamad Shukri Sirat Controllable Growth of MoS ₂ Films using Ultra-low Molybdenum (Mo) Vapor Concentration in One-step Heating Chemical Vapor Deposition (CVD)	Hafsa binti Omar A Review: Synthesis of Graphene Oxide from Natural Carbon based Waste Coconut Shell Charcoal by Modified Hummer's Method

	Room 1	Room 2
15:30-15:45	<p>Mohd Rashid bin Yusof Hamid</p> <p>Effect of Precursor Type on Surface Wettability of ZnO Thin Films</p>	<p>Nur Syazwani Binti Abdul Malek</p> <p>Effect of Antimicrobial Substances Incorporation Towards Mechanical Behaviour of PLA-based Nanocomposite Films - A Mini Review</p>
15:45-16:00	<p>Rabiatuladawiyah Binti Md Akhir</p> <p>Enhanced Surface Morphology of ZnO Micro-Nanorods using Biosynthesized Seed Layer</p>	<p>Muhamad Azuddin Bin Hassan</p> <p>Effect of Channel Length Distance on Single Walled Carbon Nanotubes Thin Film Characteristics Deposited via Spray Coating Technique</p>
16:00-16:15	<p>Mohd Rasydan Bin Mustapha</p> <p>Synthesis of Titanium Dioxide Nanorod Arrays via Hydrothermal Method: A Review</p>	<p>Muhammad Nabil Fikri Bin Mohamad</p> <p>Effect of SiO₂ Nanoparticles in HFE7000 as Nanorefrigerants During Nucleate Pool Boiling</p>
16:15-16:30	<p>Maryam Mohammad</p> <p>Microwave-Assisted Synthesis of Zinc Oxide Nanostructures: a Review</p>	<p>Nurul Afaah Abdullah</p> <p>Influence of Vaporization Temperature to the Growth of Graphene</p>
16:30-16:45	<p>Kamil Muhammad Bin Yusoff</p> <p>Optical and Structural Studies of ZnO Nanostructures Influenced by Applied Potential</p>	<p>Ts. Irmaizatussyehdany Buniyamin</p> <p>Agarwood: A Potential Source for Preparation of SnO₂ NPs via Biosynthesis Route</p>
16:45-17:00	<p>Nurul Zulaikha Mohammad Zamri</p> <p>Synthesization and Mechanism Growth of Zinc Oxide Nanostructures by Microwave Technique</p>	<p>Izzah Nur Zulaikha Masjhur</p> <p>A Review on Nb Doped Zinc Oxide Nanostructures</p>
17:00	END OF DAY 1	

APRIL 8, 2021 (THURSDAY)

MODERATOR: DR MOHD MUZAMIR MAHAT

09:00-10:00	KEYNOTE LECTURE PROFESSOR DR NORANI MUTI MOHAMED, FASc Universiti Teknologi PETRONAS Designed Nanomaterials for Improved Industrial Applications	
10:00-10:30	INVITED LECTURE ASSOC. PROF. TS IR DR MOHAMAD HAFIZ MAMAT Universiti Teknologi MARA	
10:30-11:00	INVITED LECTURE ASSOC. PROF. DR SALINA MUHAMAD Universiti Selangor	
11:00-11:30	BREAK & POSTER SESSION	
11:30-12:10	PARALLEL SESSION	
	Room 1	Room 2
	MODERATOR: DR MUHAMAD KAMIL YAAKOB	MODERATOR: DR RUZIANA MOHAMED
	INVITED LECTURE ASSOC. PROF. DR MOHD ZAMRI MOHD YUSOP Universiti Teknologi Malaysia	INVITED LECTURE DR AZIRA ABD AZIZ Lembaga Getah Malaysia
12:15-12:55	INVITED LECTURE PROF. DR TETSUO SOGA Nagoya Institute of Technology	INVITED LECTURE DR MUHAMMAD DANANG BIROWOSUTO CNRS International NTU Thales Research Alliance (CINTRA)

13:00-14:00	LUNCH & POSTER SESSION	
	Room 1	Room 2
	INVITED LECTURE	INVITED LECTURE
14:00-14:30	PROF. DR SHIRO NAGAOKA National Institute of Technology, Kagawa College	ASSOC. PROF. DR WAN AZMI BIN WAN HAMZAH Universiti Malaysia Pahang
14:30-14:45	Muhammad Bazli Faliq Bin Mohd Puaad Bondability Strength of Bonded-In Timber Connection using Glass Fibre Reinforced Plastic (GFRP) Into Malaysian Tropical Timbers	Noor Fatin Sofea Binti Zulkifli The Effect of Vertically Aligned ZnO Nanowires Arrays Thin Films at Different Molarities of Precursor Concentration
14:45-15:00	Muhammad Irfan Amiruddin Free Fatty Acid Reduction of Waste Cooking Oil using ZnO Nanoparticles Catalyst Driven by Ultraviolet(UV) Irradiation	Naoto Sakai Fault Judgement Based on Variance in The Test Method By Measuring Quiescent Supply Current for Detecting Open Faults
15:00-15:15	Najwa Ezira Binti Ahmed Azhar Comparative Study of Titanium Dioxide Nanotube Arrays doped with Niobium Prepared by Electrodeposition Method	Siti Zulaikha Binti Umbaidilah Comparison Studies of Non-doped and Ag-doped ZnO on TiO ₂ Seeded Substrate: Potential Application as UV Sensor
15:15-15:30	Norhusna Mohamad Nor Surface Chemistry Interaction of Graphene Oxide/Eggshell Adsorbent Towards Fluoride Removal	Wan Marhaini binti Wan Harrum Comparative Study of UV-Vis Absorption between TiO ₂ and TiO ₂ -ZnO Thin Film for the Potential Photocatalyst
15:30-15:45	Nurfarhana Rosman Effect of Inhibition Process to the Shelf Life of Mango Coated With at Different Weight Percentage of Zinc Oxide Nanoparticles	Nurkhaizan Zulkepli Atmospheric Pressure Chemical Vapour Deposition Growth of High-Quality Graphene on a Large Area Copper Surface

Room 1		Room 2
15:45-16:00	<p>Phoon Bao Lee</p> <p>Highly Effective Template-Free Assisted Mesoporous G-C₃N₄ Photocatalyst from Different Precursors for Tetracycline Removal</p>	<p>Nurfazianawatie Binti Mohd Zin</p> <p>A Review on Synthesis Graphene from Waste of Cooking Oil via Thermal Chemical Vapor Deposition Method</p>
16:00-16:15	<p>Revathy Deivasigamani</p> <p>Electrically Stimulated Polystyrene Particle Paradigm Towards Keratinocyte Cell Migration by Dielectrophoresis for Chronic Wound Curative</p>	<p>Myzatul Azlyin Binti Muhamad</p> <p>Effect of Annealing Temperature on Zinc Oxide doped with Titanium Dioxide Nanostructures via Hydrothermal Method</p>
16:15-16:30	<p>Rex Loh Kean Ping</p> <p>First-Principles Studies for electronic structure and optical properties of beta-Ga₂O₃</p>	<p>Mohamad Dzulfiqar Bin Bakri</p> <p>Synthesisation Characterization of Zinc Oxide Nanowires by Catalytic - Immersion Technique: A Review</p>
16:30-16:45	<p>Nurin Jazlina binti Ahmad</p> <p>In-situ Approach of Graphene Synthetization Using Liquid Phase Exfoliation Method with Assisted Conductive Surfactant PTCA</p>	
MASTER OF CEREMONY: TS SALIFAIRUS MOHAMMAD JAFAR		
16:30-17:00	CLOSING CEREMONY	