

**7TH INTERNATIONAL CONFERENCE ON FUNCTIONAL MATERIALS AND DEVICES
(ICFMD-2022)**

DAY 1 – 23 Aug 2022			
TI ME (M ala ysi an Ti me)	AUDITORIUM Zoom link: https://zoom.us/j/98584908220?pwd=V2tMemEvNmcvZys5bVZ0aFZuWnUyQT09 Meeting ID: 98584908220 Passcode: ICFMD2022		
8.0 0 am	OPENING CEREMONY		
8.3 0 am	P4: Lu Li Challenges In the Transition from Organic Liquid-Based Rechargeable Batteries to Solid-State Rechargeable Batteries <i>Chairperson: Prof. Dr. Ramesh Subramaniam</i>		
9.2 5 am	K1: Agnieszka Pawlicka Advances In Natural Macromolecules as Promising Materials for Future Eco-Friendly Device Applications <i>Chairperson: Prof. Dr. Ramesh Subramaniam</i>		
10. 05 am	I1: Ahmad Azmin Mohamad Cleaning Of Ni Foam Substrates for Supercapacitors Applications <i>Chairperson: Prof. Dr. Ramesh Subramaniam</i>		
10. 30 am	PHOTO SESSION		
10. 40 am	5-MINUTES BREAK		
	ROOM 1 Zoom link: https://zoom.us/j/98584908220?pwd=V2tMemEvNmcvZys5bVZ0aFZuWnUyQT09 Meeting ID: 98584908220	ROOM 2 Zoom link: https://zoom.us/j/98584908220?pwd=V2tMemEvNmcvZys5bVZ0aFZuWnUyQT09 Meeting ID: 98584908220	ROOM 3 Zoom link: https://zoom.us/j/98584908220?pwd=V2tMemEvNmcvZys5bVZ0aFZuWnUyQT09 Meeting ID: 98584908220

	<p>Passcode: ICFMD2022</p> <p><i>Chairperson: Prof. Dr. Markus Diantoro</i></p>	<p>Passcode: ICFMD2022</p> <p><i>Chairperson: Prof. Dr. Siti Rohana Majid</i></p>	<p>Passcode: ICFMD2022</p> <p><i>Chairperson: Assoc. Prof. Dr. K. Ramesh</i></p>
10.45 am	<p>K2: Agus Purwanto High-performance Cobalt-Free Li-ion Batteries Active Materials for Sustainable Application</p>	<p>K4: Bo Wang Tailoring Multi-Pores Carbon Anode Material Toward High Structural Stability In Potassium Ion Battery</p>	<p>K16: Yuki Nagao Interfacial H⁺/OH⁻ Transport In Polymer Electrolyte Thin Films</p>
11.25 am	<p>K3: M. Aniya Studying The Relation Between the Optical And Atomic Transport Properties In Ionic Conductors</p>	<p>K5: Fu-Ming Wang The development of super electrically conductive Si material with polymer brush acid and emeraldine base and its auto-switch design for high-safety and high-performance lithium-ion battery</p>	<p>K18: S. Ramesh Hydrogels in Energy Efficient Vehicles: Road to Carbon Neutral Nation</p>
12.05 pm	<p>I2: A S Samsudin Correlation Between Physicochemical And Ionic Conduction Properties Of Polymer Electrolyte Based Cmc-Pva Doped With H⁺ Charge Carrier</p>	<p>I4: Huda Abdullah Physical And Electrical Behavior Of ZTO (Zinc Tin Oxide) On SLG, Czts/Slg, And Czts/ (Ito/Mo) /Slg For Czts Solar Cell</p>	<p>I5: Izan Izwan Misnon Fabrication And Electrochemical valuation Of Polyhedral Pani/Co₃O₄ Electrode For Asymmetric Supercapacitor Application</p>
12.30 pm	<p>O2: Abdullahi Abbas Adam Structural Behaviour And Ion Dynamics Of Methylcellulose/Tri-Potassium Phosphate-Based Solid Biopolymeric Electrolytes</p>	<p>O3: A.F. Fuzlin Electrochemical Performance On Alginate Bio-Based Polymer Electrolytes As Solid State Electric Double Layer Capacitors</p>	<p>O4: A.F.A. Faizal A Dft+U Study On Structural And Electronic Properties Of SrTiO₃ Using Density Functional Theory</p>
12.50 pm	LUNCH		
	<p>ROOM 1 Zoom link: https://zoom.us/j/98584908220?pwd=V2tMemEvNmcvZys5bVZ0aFZuWnUyQT09</p>	<p>ROOM 2 Zoom link: https://zoom.us/j/98584908220?pwd=V2tMemEvNmcvZys5bVZ0aFZuWnUyQT09</p>	<p>ROOM 3 Zoom link: https://zoom.us/j/98584908220?pwd=V2tMemEvNmcvZys5bVZ0aFZuWnUyQT09</p>

	Meeting ID: 98584908220 Passcode: ICFMD2022 <i>Chairperson: Assoc. Prof. Dr. Zul Hazrin Zainal Abidin</i>	Meeting ID: 98584908220 Passcode: ICFMD2022 <i>Chairperson: Dr. Nurshafiza Shahabudin</i>	Meeting ID: 98584908220 Passcode: ICFMD2022 <i>Chairperson: Assoc. Prof. Dr. Mohd Hamdi bin Ali Buraidah</i>
2.0 0 pm	O5: Mohamad Ashraff Danial Abd Malek Studies On Rice Husk-Derived Activated Carbon Via Pyrolysis Method For Potential Use As Carbon Electrode In Lithium Ion Battery	O6 Akmal Arsyad Designing Rgo-Cnt-FeCO ₂ O ₄ Nanocomposite For High Performance Electrode Material In Supercapacitor Applications	O7 Fatihah Mohd Kadri @ Mohd Zaidi Studies On Structural Modifications Of Mangosteen Peel-Derived Activated Carbon Via Pyrolysis Method As Electrode Materials For Batteries
2.2 0 pm	O8 Bhuaneswari Plasticized Guar Gum Solid Polymer Electrolyte For Battery Application	O9 Ibnu Syafiq Morphological Modulation Of Cobalt-Based Metal-Organic Frameworks (Co-Mofs) Synthesized Using Simple Solvothermal Methods For Supercapacitor Applications	O10 Eswara Gomathy S Development Of Biopolymer Zinc Ion Conducting Electrolyte Using Pectin With Zinc Chloride And Its Application To Primary Zinc Ion Battery
2.4 0 pm	O11 I.N. Yusry Green Polymer Electrolyte For Sodium Ion Batteries	O12 Jian Wang Synthesis Of Carbon-Based Transition Metal Phosphide As Anode For Alkali Metal Ion Batteries	O13 Kavitha Biomaterial Lemon Peel Based Membranes As Electrolytes For Electrochemical Applications
3.0 0 pm	K6 Maria Manuela Silva Sustainable Windows For Energy Efficiency Of Buildings	K11 O. Adiguzel Shape Reversibility And Functional Characterization Of Shape Memory Alloys	K14 Shahzada Ahmad Emerging Semiconductors For Solar Energy Harvesting
3.4 0 pm	I6 M. Ismail An Overview Of Mg-Li-Al Systems For Solid-State Hydrogen Storage Material	I7 M. I. N. Isa Plasticization Effect on Carboxymethyl Cellulose-based Solid Biopolymer Electrolytes	I8 Mohd Sufri Mastuli Palladium As Cathode In Dye-Sensitized Solar Cell: Influence Of The Concentration Of

			Potassium Hexachloropalladate
4.0 5 pm	5-MINUTES BREAK		
	<p style="text-align: center;">ROOM 1</p> <p style="text-align: center;">Zoom link: https://zoom.us/j/98584908220?pwd=V2tMemEvNmcvZys5bVZ0aFZuWnUyQT09 Meeting ID: 98584908220 Passcode: ICFMD2022</p> <p style="text-align: center;"><i>Chairperson: Dr. Ahmad Danial</i></p>	<p style="text-align: center;">ROOM 2</p> <p style="text-align: center;">Zoom link: https://zoom.us/j/98584908220?pwd=V2tMemEvNmcvZys5bVZ0aFZuWnUyQT09 Meeting ID: 98584908220 Passcode: ICFMD2022</p> <p style="text-align: center;"><i>Chairperson: Dr. Woo Haw Jiunn</i></p>	<p style="text-align: center;">ROOM 3</p> <p style="text-align: center;">Zoom link: https://zoom.us/j/98584908220?pwd=V2tMemEvNmcvZys5bVZ0aFZuWnUyQT09 Meeting ID: 98584908220 Passcode: ICFMD2022</p> <p style="text-align: center;"><i>Chairperson: Dr. Siti Nor Farhana</i></p>
4.1 0 pm	<p>O-O13 Shahan Shah</p> <p>Improving Photocurrent Performance Using Nanopowder Based Ag-TiO₂ Nanocomposites Photoanode In Dye-Sensitized Solar Cells</p>	<p>O-O6 Y.C. Lee</p> <p>Electrical And Structural Properties Of Poly(Acrylamide-Co-Acrylic Acid) Based Polymer Electrolyte Containing Water Soluble Potassium Iodide Salt</p>	<p>O-O9 N.A. Shamsuri</p> <p>Characterisation Of Polymer Electrolytes Based On Polyacrylonitrile – Methylcellulose Blend For Proton Battery</p>
4.2 0 pm	<p>O-O2 A.S. Rahim</p> <p>Rheological Aspects Of Cathode Preparation For Li-Ion Batteries</p>	<p>O-O7 N. Nadzrin</p> <p>Characteristics Of Green Blend Polymer Electrolytes Based On Fish Gelatin Chitosan Impregnated With Ammonium Salt</p>	<p>O-O10 R.Rosli</p> <p>Structural,morphological, and electrochemical studies of Al-doped MgMn₂O₄ for magnesium ion cells</p>
4.3 0 pm	<p>O-O3 A. Azahidi</p> <p>Investigation Of Layered Lini_{0.7}Co_{0.3}O₂ Of Cathode Material For Li-Ion Battery Application</p>	<p>O-O8 N. Harudin</p> <p>Effect Of Electrospinning Parameters On Structural And Morphological Studies For Mg Based Cathode Materials In Rechargeable Magnesium Batteries</p>	<p>O-O14 H.C. Hassan</p> <p>Enhancement Of Ionic Conductivity In Fe-Based Spin-Crossover (Sco) Metal Complexes Through Optimisation Of Ligand Length And Liquid Crystal Mesophase</p>
4.4 0 pm	<p>O-O4 Y. C. Chen</p> <p>A Novel P2-Type Manganese Oxide</p>		<p>O-O12 Z. Mohamed</p>

	Electrode With High Electrochemical Performance Via Dual-Elements Substitution For Sodium-Ion Batteries		Electrical Properties Of Double Perovskites $\text{Sr}_2\text{TiCoO}_6$
4.5 0 pm	END		