



**ICSEM-2021) 19<sup>th</sup> July 2021: 10:10 am – 12:30 pm**  
**INAUGURATION**

Timing (Indian Standard Time) (IST)	Event
<b>Zoom Link</b>	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022
10:10 am – 11: 35 am	<b>INAUGURATION</b>
10:20am-10:30am	<i>Lighting of Lamp, Saraswati Vandana</i>
10:30am-10:40am	<i>Address: Prof. R C Singh, Department of Physics, Sharda University</i>
10:40 am- 10:50 am	<i>Address: Prof. S. K. Banerjee, Dean SBSR, Sharda University</i>
10:50 am- 11:00 am	<i>Address: Prof Sibaram. Khara, Vice Chancellor, Sharda University</i>
11:00 am -11:10 am	<i>Address: Mr. P. K. Gupta (Chancellor)/ Mr. Y K Gupta (Pro Chancellor)</i>
11:10 am -11:25am	<b>Chief Guest: Padma Shri Prof. Vinod K. Singh, IIT-Kanpur</b>
11:25 am – 11.35 am	<i>Vote of Thanks: Prof. P. K. Singh, Convener, ICSEM 2021</i>
11.35am-12.30 pm	<b>Break</b>

**Presentation Schedule**

**Session I: 12:30 pm – 5:00 pm Plenary/ Invited Talk: 30mins, Oral Talk: 10mins**

	Session I (a)	Session I (b)	Session I (c)
<b>Zoom Link</b>	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022
	Session Chair: <b>Prof. Bhaskar Bhattacharya</b> (+91-9810225946)	Session Chair: <b>Prof. A M M Ali, Malaysia</b> (+60-192229897)	Session Chair: <b>Prof. D. K. Rai</b> (+91-9999052666) Faculty Co-ordinator: <b>Dr. Munendra Singh</b> (+91-

	Faculty Co-ordinator: <b>Dr. Venus Dillu</b> (+91-9971383364), <b>Dr. Sunil Chauhan</b> (+91-9582592923) and <b>Dr. Anandita De</b> (+91-9873907195)	Faculty Co-ordinator: <b>Dr. Pargin</b> (+91-9815977169), <b>Dr. Shankar</b> (+91-8373953039) and <b>Dr. Suman</b> (+91-7827694872)	<b>9205733419</b> , <b>Dr. Meenal Gupta</b> (+91-80766309706) and <b>Dr. Teena</b> (+91-9632134930)
<b>12:30pm-1:00pm</b>	<b>PL 1: Canan VARLIKLI</b> , Stability of Solution Processed Organic and Hybrid Organic Light Emitting Diodes, <b>TURKEY</b>	<b>IP 8: Chiam-Wen Liew</b> Structural, thermal, and electrochemical studies on PVA-LiTf- TiO <sub>2</sub> nanocomposite polymer electrolyte for electric double layer capacitor application, <b>MALAYSIA</b>	<b>IP 16: M.Z.A. Yahya</b> Molybdenum Substitution in Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Cathode Material for Sodium Ion Batteries, <b>MALAYSIA</b>
<b>01:00 pm -01:30 pm</b>	<b>IP 1: Melissa Chin Han CHAN</b> Low Frequency Dielectric Relaxation and Conductance of Solid Polymer Electrolytes of PEO/Polyacrylates/salt, <b>MALAYSIA</b>	<b>IP 9: A S Samsudin</b> Correlation between Physicochemical and ionic conduction properties of polymer blend electrolyte based CMC-PVA doped ammonium salts, <b>MALAYSIA</b>	<b>IP 17: Yuki Nagao</b> Progress on highly proton-conductive polymer thin films with organized structure and molecularly oriented structure, <b>JAPAN</b>
<b>01:30 pm -02:00 pm</b>	<b>IP 2: Norazlinaliza Salim</b> Development of Niosome as a Drug Delivery System for Lung Cancer Treatment, <b>MALAYSIA</b>	<b>IP 10: Tan Winie</b> Comparative Performance of FeCo <sub>2</sub> O <sub>4</sub> , Fe <sub>2</sub> O <sub>3</sub> and Co <sub>3</sub> O <sub>4</sub> as Cathode in Supercapacitor, <b>MALAYSIA</b>	<b>IP 18: Alexandra Apostoluk</b> Metallic oxide defect luminescent emission for application in solar cells and welds, <b>FRANCE</b>
<b>02:00 pm -02:30 pm</b>	<b>IP 3: Annamaria Visco</b> The “modified” ultra-high-molecular-weight-polyethylene (uhmwpe): new developments and applications, <b>ITALY</b>	<b>IP 11: Ftema W. Aldbea</b> Structural analysis of silica carbide prepared From two different Carbon sources, <b>LIBYA</b>	<b>IP 19: Masaki Tanemura</b> Development of metal-carbon nanocomposites for the energy-related applications based on in situ TEM observation, <b>JAPAN</b>
<b>02:30 pm -03:00 pm</b>	<b>IP 4: Josephine Ying Chyi Liew</b> Synthesis Route to Bismuth based Hybrid Perovskite Nanoparticles, <b>MALAYSIA</b>	<b>IP 12: Robin Rajan</b> Polymeric agents to combat protein aggregation, <b>JAPAN</b>	<b>IP 20: Abdelkrim El-Ghayoury</b> Thiophene based molecular materials for nonlinear optics, <b>POLAND</b>

<b>03:00 pm -03.30 pm</b>	<b>IP 5: A. Zawadzka</b> Multifunctional hybrid structures based on perovskites for photovoltaic applications, <b>POLAND</b>	<b>PL 2: Prof. Bouchta Sahraoui</b> Tuning Nonlinear Optical Response in selected new photonics self-assembled architectures for nonlinear optical applications, <b>FRANCE</b>	<b>IP 21: M.H. Buraidah</b> Polysaccharide Based Electrolytes for Photo-electrochemical Solar Cells, <b>MALAYSIA</b>
<b>03:30 pm -04.00 pm</b>	<b>IP 6: György Bánhegyi</b> The effect of water on the electrical <b>HUNGARY</b>	<b>IP 13: Danaja Štular</b> Development of temperature and pH responsive protective textile coatings with various proactive antimicrobial working mechanisms, <b>SLOVENIA</b>	<b>IP 22: Ulla Lassi</b> High-capacity Ino cathode material for lithium-ion batteries, <b>FINLAND</b>
<b>04:00 pm-4:30 pm</b>	<b>IP 7: Maria Manuela Silva</b> Solid polymer electrolytes for future smart windows, <b>PORTUGAL</b>	<b>IP 14: Simona Bennici</b> Solutions and applications in thermochemical heat storage, <b>FRANCE</b>	<b>IP 23: Nurlin Abu Samah</b> Modelling and characterization of ion imprinted polymer for arsenic species removal from aqueous solution, <b>MALAYSIA</b>
<b>4:30 pm-5pm</b>	<b>PL 3: Prof. Ana Flavia Nogueira</b> Metal halide perovskites: a journey through structure, properties and stability <b>BRAZIL</b>	<b>IP 15: Julia Pérez-Prieto</b> pH-sensors based on the intrinsic properties of gold nanoclusters, <b>SPAIN</b>	<b>IP 24: Andrea Ehrmann</b> Tailoring magnetic vortex chirality by geometrical modifications of ferromagnetic nanodots in a hexagonal cluster, <b>GERMANY</b>



## (ICSEM-2021) 20<sup>th</sup> July 2021

### Session II: 09:30 am – 01:00 pm

	<b>Session II (a)</b> Session Chair: <b>Prof. P. K. Shukla (+91-9958544277)</b> Faculty Co-ordinator: <b>Dr. Venus Dillu (+91-9971383364), Dr. Sunil Chauhan (+91-9582592923) and Dr. Anandita De (+91-9873907195)</b>	<b>Session II (b)</b> Session Chair: <b>Dr. Kamlesh Pandey (+91-9450587360)</b> Faculty Co-ordinator: <b>Dr. Pargin (+91-9815977169), Dr. Shankar (+91-8373953039) and Dr. Suman (+91-7827694872)</b>	<b>Session II (c)</b> Session Chair: <b>Prof. S.A. Hashmi (+91-9871088201)</b> Faculty Co-ordinator: <b>Dr. Munendra Singh (+91-9205733419), Dr. Meenal Gupta (+91-80766309706) and Dr. Teena (+91-9632134930)</b>
<b>Zoom Link</b>	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022
<b>09:30 am – 10:00 am</b>	<b>IP 25: Dr. Syahida Suhaimi</b> Utilization of Cocktail Natural Dyes from Pandanus Amaryllifolius (Pandan Leaves) and Clitoria Ternatea (Blue Pea) as Photosensitizers for Dye-Sensitized Solar Cells (DSSC) - A Review Shukri, <b>MALAYSIA</b>	<b>IP:81 Wan Zaireen Nisa Yahya</b> Eutectic ionic liquid as a potential electrolyte for dye-sensitized solar cells, <b>MALAYSIA</b>	<b>IP 38: I.M. Noor</b> Impedance Spectroscopy for Evaluating Transport Properties of Electrolyte, <b>MALAYSIA</b>
<b>10:00 am – 10.30 am</b>	<b>IP 26: Mohd Nor Faiz</b> Nanocellulose as novel filtration material of organophosphorus compounds, <b>MALAYSIA</b>	<b>IP 32: Nor Azah Abdul Aziz</b> A review of recent developments in upconversion nanoparticles in biomedical application, <b>MALAYSIA</b>	<b>IP 39: L.P. Teo</b> Polymer Electrolytes in Dye-Sensitized Solar Cells, <b>MALAYSIA</b>

10:30 am – 11:00 am	<b>IP 27: Mazliana Ahmad Kamarudin</b> Tuning the emission energy of colloidal quantum dots, <b>MALAYSIA</b>	<b>IP 33 : Manish Kumar</b> Evidence of magnetoelectric coupling via magnetodielectric effect analysis in multiferroic-ferroelectric solid solutions, <b>INDIA</b>	<b>IP 40 : Faeiza Buyong</b> Comparison of biogas purification from anaerobic digestion of vegetable waste by using sugarcane bagasse and charcoal, <b>MALAYSIA</b>
11:00 am – 11:30 am	<b>IP 28: Woo Haw Jiunn</b> Prussian Blue as cathode materials for Sodium ion batteries with high electrochemical performance, <b>MALAYSIA</b>	<b>IP 34: Ahmad Azmin Mohamad</b> Cleaning of nickel foam current collector for supercapacitor, <b>MALAYSIA</b>	<b>IP 41: Nur Hashimah Alias</b> Emerging Progress of Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> )-Based Membrane for Wastewater Treatment, <b>MALAYSIA</b>
11:30 am – 12.00 am	<b>IP 29: R. Tenne</b> Inorganic nanotubes and fullerene-like nanoparticles at the crossroad between materials science and nanotechnology and their applications, <b>ISRAEL</b>	<b>IP 35: Siti Nurul Ain Md. Jamil</b> Hypercrosslinked Microspheres of Polyacrylonitrile Terpolymer for the Adsorption of Acidic Pharmaceuticals from Aqueous Solution, <b>MALAYSIA</b>	<b>IP 42: Bhawana Joshi</b> Carbon and oxide-based supercapacitor materials for efficient energy storage applications, <b>INDIA</b>
12:00 noon – 12.30 pm	<b>IP 30: Burak Gultekin</b> Light-Assisted Annealing for Perovskite Solar Cells, <b>TURKEY</b>	<b>IP 36: Deniz Kiyamaz</b> Improving the capacitive behavior of ultra-thin polyaniline based supercapacitor by self-assembled aniline blue-ws, <b>TURKEY</b>	<b>IP 43 : Ravindra Kumar Gupta</b> Plastic crystal-based redox mediators for dye-sensitized solar cells, <b>Saudi Arabia</b>
12:30 pm– 01.00 pm	<b>IP 31: Prof. Julia A. Baimova,</b> Hydrostatic Compression Followed By Annealing Applied To Obtain A Graphene-Nickel Composite: Atomistic Simulation, <b>RUSSIA.</b>	<b>IP 37: Maria Gavrilescu</b> Recycling corrugated board waste as construction material with low environmental impact and cost, <b>ROMANIA</b>	<b>IP 44 :Maria Giovanna Buonomenna</b> Nanostructured polymer membranes for advanced gas separation, <b>ITALY</b>
<b>Lunch 01:00 pm – 1:30 pm</b>			
<b>Session II: 01:30 pm – 06:00 pm</b>			
<b>Timing</b>	<b>Session II (d)</b> Session Chair: <b>Dr. Manish Kumar (+91-9718395746)</b> Faculty Co-ordinator: <b>Dr. Venus Dillu (+91-9971383364), Dr. Sunil Chauhan (+91-9582592923) and Dr. Anandita De (+91-9873907195)</b>	<b>Session II (e)</b> Session Chair: <b>Dr. Khurshid Alam (+91-9873097866)</b> Faculty Co-ordinator: <b>Dr. Pargin (+91-9815977169), Dr. Shankar (+91-8373953039 and Dr. Suman (+91-7827694872)</b>	<b>Session II (f)</b> Session Chair: <b>Dr. Naresh Kumar (+91-9454200193)</b> Faculty Co-ordinator: <b>Dr. Munendra Singh (+91-9205733419) , Dr. Meenal Gupta (+91-80766309706) and Dr. Teena (+91-9632134930)</b>

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<b>01:30 pm – 01.40 pm</b>	<b>OP1: Rama Koyyati</b> , In vitro studies on protein binding of polyhydroxybutyrate isolated from <i>Rhodopseudomonas palustris</i> KRPR02, <b>INDIA</b>	<b>OP 28: Rohan M Raj:</b> Electron Beam Evaporated In 2 Se 3 Thin Film as Co-Sensitizer for ZnO Dye Sensitized Solar Cells, <b>INDIA</b>	<b>OP 55: YOGENDRA KUMAR</b> , Theoretical analysis of superconductivity in iron, <b>INDIA</b>
<b>01.40 pm – 01.50 pm</b>	<b>OP 2: :Neeraj Shukla:</b> Report of weak Ferromagnetism in thin fullerene films as a consequence of 600 keV Carbon Ion Irradiations, <b>INDIA</b>	<b>OP29: K.Hemanandhini:</b> Green synthesis of undoped and cu-doped zno nanoparticles from leaf extracts of pungan and sirukan peelai: structural, biological and luminescence studies, <b>INDIA</b>	<b>OP 56:Shoib B Wani</b> , Fire in building structures: a review, strategies and theoretical framework for, <b>INDIA</b>
<b>01.50.p m – 02.00pm</b>	<b>OP 3: Nupur Prasad:</b> Role of phytochemicals in the synthesis of ZnO nanoparticles using Various parts of plants: a mini review, <b>INDIA</b>	<b>OP 30:Ram Kumar</b> , Structural and optical characterization of 1.5 mev proton micro-beam irradiated thin mos, <b>INDIA</b>	<b>OP 57 Dr.Nidhi Jaina</b> , An overview of Potential Applications of Carbon Nanotubes, <b>INDIA</b>
<b>02.00 pm – 02.10pm</b>	<b>OP 4: Dr. Thakur Prasad Yadav</b> , Two dimensional metallic alloys, <b>INDIA</b>	<b>OP 31:Maher alrefae:</b> Growth of Al doped ZnO thin films by Non-Conventional Sol-Gel method, <b>INDIA</b>	<b>OP 58: Rudrani Yevatikar</b> , Comparative study of physico-chemical parameters and water quality index of river, <b>INDIA</b>
<b>02.10 pm – 02.20pm</b>	<b>OP 5: Jeevan Kumar Reddy Modigunta</b> , Bio-mimicking Organic-inorganic Hybrid Ladder-like Polysilsesquioxanes: A Surface Modifier of Separator in Lithium-ion Batteries, <b>SOUTH KOREA</b>	<b>OP 32: Anna Popczyk:</b> Organic solid-state lasers based on thiophene derivatives, <b>POLAND</b>	<b>OP 59: Hartaj Singh</b> , A comprehensive review on the new developments consideration in a stir casting processing of aluminium matrix composites <b>INDIA</b>
<b>02.20 pm– 02.30 pm</b>	<b>OP 6: Dr. N Raju:</b> Synthesis, characterization, anticancer and antimicrobial activities of bimetallic silver and gold nanoparticles synthesized using a purple non sulphur bacterium <i>Rhodopseudomonas faecalis</i> , <b>INDIA</b>	<b>OP 33: Dr Rajita Ramanarayanan:</b> Improving efficiency of Natural Dye sensitized Solar Cell using FRET Mechanism, <b>INDIA</b>	<b>OP 60:Riya Middha</b> , Sonicated Chemical Synthesis: Energy Efficient Process for Production of Heterocycles <b>INDIA</b>
<b>02.30 pm –02.40 pm</b>	<b>OP 7: Shreya Mathela</b> , Ionic liquid incorporated poly (ethylene oxide) (PEO) doped with potassium iodide (KI) solid polymer electrolyte for energy device, <b>INDIA</b>	<b>OP 34: Dr. Soniya Juneja</b> , A systematic study of Surface Plasmon Enhanced Electric Field in Nanoparticle Dimers for UV Plasmonics <b>INDIA</b>	<b>OP 61: Bharti Sangwan</b> , Nanomaterials in Antimicrobial Applications: A Remediation Method, <b>INDIA</b>

<b>02.40 pm – 02.50 pm</b>	<b>OP 8: Dr. J. Antony Rajam:</b> Fabrication of electrocatalyst for oxygen reduction using silver nanoparticle modified gce in 1,4-naphthoquinone derivative, <b>INDIA</b>	<b>OP 35: Y B Sudhir Sastry:</b> Identification of suitable carbon based composite material for wind turbine blades, <b>INDIA</b>	<b>OP 62: Vaibhav singh jina:</b> ANALYSIS OF Ctb pavement with granular crack relief layer and sami, <b>INDIA</b>
<b>02.50 pm – 03.00pm</b>	<b>OP 9: Nayana I Sattigeri:</b> Colloidal synthesis of stable zns quantum dots, <b>INDIA</b>	<b>OP 36: Gurudeo Nirala,</b> Structural and Electrical properties of Gd doped and undoped SrCeO <sub>3</sub> , <b>INDIA</b>	<b>OP63: Lovepreet Singh,</b> Synthesis and Characterization of Carbon Nanotube Reinforced Hydroxyapatite Ceramics for Biomedical Applications, <b>INDIA</b>
<b>03: 00 pm – 03:10 pm</b>	<b>OP 10: NijishaP:</b> Polyvinylidene fluoride and polyvinylidene fluoride co-hexafluoro propylene as polymer matrix to trap the liquid electrolyte in DSSC, <b>INDIA</b>	<b>OP 37: Madan Murari Upadhyay:</b> Upconversion and temperature sensing studies in tm 3+ /yb 3+ co-doped ynbo 4 nanoparticles, <b>INDIA</b>	<b>OP 64: Kapil Singh,</b> An overview on the synthesis of aluminium matrix composites using stir casting technique, <b>INDIA</b>
<b>03:10 pm – 03:20 pm</b>	<b>OP 11: Santosh R Mannopantar:</b> Preparation colloidal ag nanoparticles, <b>INDIA</b>	<b>OP 38: Ritu jangra,</b> Composites of waste derived activated carbon and waste derived graphene for supercapacitive application <b>INDIA</b>	<b>OP 65: Yudi Krisno Wicaksono:</b> S electric vehicle future: a scenario analysis of public-private partnerships to develop the world&#39;s largest battery industry, <b>INDONESIA</b>
<b>03:20 pm – 03:30 pm</b>	<b>OP 12: Dr. Rama Koyyati:</b> Extracellular synthesis of mono and bimetallic nanocomposites from novel strains of purple nonsulfur bacteria and evaluation of their biomedical applications, <b>INDIA</b>	<b>OP 39: Soumik Kumar Kundu:</b> Crystallinity study of cu thin film deposited by indigenous dc magnetron sputtering system, <b>INDIA</b>	<b>OP 66: Gagandeep singh</b> Mechanical characterizations of the fabricated AA 6061 based composites reinforced with B 4 C particulates, <b>INDIA</b>
<b>03:30 pm – 03:40 pm</b>	<b>OP 13: Anupama anjali,</b> Green Catalysis: Solution for Environmental Problems Causes by Chemical Synthesis, <b>INDIA</b>	<b>OP 40: Bogdan Rosca,</b> Comparative aspects regarding concrete of structural grade with recycled brick aggregate with/ without fine particles from crushing, <b>ROMANIA</b>	<b>OP 67: Urmila k s:</b> Structural and optical characterization of reactive evaporated sn 2 sb 4 se 8 thin films, <b>INDIA</b>
<b>03:40 pm – 03:50 pm</b>	<b>OP 14: Vijay Singh:</b> Citrus fruit juice clarification by packed column and membrane coupled operation, <b>INDIA</b>	<b>OP 41: Debatrayee Dasgupta,</b> Controlled in-vitro release of Doxorubicin Hydrochloride from the drug delivery system based on functionalised mesoporous silica nanoparticles, <b>INDIA</b>	<b>OP 68: Raj Kumar</b> Silicon dioxide-based metamaterial perfect absorber from visible to near-infrared region, <b>INDIA</b>
<b>03:50 pm – 04:00 pm</b>	<b>OP 15: Shaheen Naz,</b> Application of WBG material for gas sensing, <b>INDIA</b>	<b>OP 42: Syeda Mushrifa Zahan:</b> Recent advances in solid electrolyte materials for secondary sodium-ion batteries application, <b>INDIA</b>	<b>OP 69: Amanjot Kaur</b> Investigation of crystallographic, morphological and photocatalytic behaviour of ag doped cus nanostructures, <b>INDIA</b>

<b>04.00pm – 04.10pm</b>	<b>OP 16:Reena Parihar</b> ,Oxygen evolution electrocatalytic properties of Sm <sub>1-x</sub> Sr <sub>x</sub> NiO <sub>3</sub> (0 ≤ x ≤ 0.8) obtained by malic acid sol gel route, <b>INDIA</b>	<b>OP 43: K. Vijayakumar</b> ,SMC IRON POWDER SWITCHED RELUCTANCE GENERATOR FOR SMALL-SCALE DIRECT-DRIVE WIND POWER APPLICATIONS, <b>INDIA</b>	<b>OP 70: Dr. Krishna Kumar Pandey</b> , Evaluation of Sound Velocity and Molar Refraction in binary liquid mixtures through Ultrasonic measurement, <b>INDIA</b>
<b>04.10pm - 04.20pm</b>	<b>OP 17: P.Chandrakanta Singh</b> , USB digital microscope endoscope camera-a good tool for quick morphological characterization to optimize the processing parameters in large area laser-induced surface microtexturing, <b>INDIA</b>	<b>OP 44: Hema S</b> , Influence of Wood Husk and CaCO <sub>3</sub> on the Mechanical properties of Nitrile Butadiene Rubber, <b>INDIA</b>	<b>OP 71: Mathana Gopal</b> , Pseudo-Gruneisen Parameters for binary liquid mixtures at different temperature, <b>INDIA</b>
<b>4:20 pm – 4:30 pm</b>	<b>OP 18: Lisham Paris Chanu</b> , Effect of co-substitution at the mn site on the structural and electrical properties of rare earth manganite ymno <sub>3</sub> , <b>INDIA</b>	<b>OP 45:Ankit Kumar Vishwakarma</b> , A titanium dioxide-based thick film gas sensor for propanol, <b>INDIA</b>	<b>OP 72: P.Padmavathi</b> , Physico-chemical characterization of Ethyl propionate with Butanol at different temperatures using Ultrasonic technique, <b>INDIA</b>
<b>4:30 pm- 4:40 pm</b>	<b>OP 19: Vipin Kumar</b> , Fabrication and characterization of sol-gel screen printed Zn: CdO (ZCO) thick film for optoelectronic and photovoltaic technologies <b>INDIA</b>	<b>OP 46: Nilesh Wasudeo Nirwan</b> , Condition monitoring and fault detection in roller bearing used in rolling mill by acoustic emission and vibration analysis, <b>INDIA</b>	<b>OP 73: Dr. Elluri Venkata Prasad</b> , Affordable housing issue: investigation on strength and durability characteristics of lightweight concrete made from fly ash and palm kernel shells - an experimental study, <b>INDIA</b>
<b>4:40 pm- 4:50 pm</b>	<b>OP 20:Sudip Chakraborty</b> , A CFD study on naca 2412 based air-wing using different composite materials, <b>INDIA</b>	<b>OP 47: Sajal Sahu</b> , Crystal Structurel Analysis of Zinc Oxide Nanostructure from X-ray Diffraction Pattern, <b>INDIA</b>	<b>OP 74: Kanailal Barman</b> , Peak Profile Analysis of Green Synthesized ZnO Nanoparticles, <b>INDIA</b>
<b>4:50pm- 5:00pm</b>	<b>OP 21:Komal</b> ,Surface and Morphological Characterization of Natural Precursor Derived Activated Carbon, <b>INDIA</b>	<b>OP 48: Mofi Sharon Mathew</b> : Nanomaterials in Antimicrobial Applications: A Remediation Method, <b>INDIA</b>	<b>OP 75: Suvayan Mandal</b> , Rietveld Analysis of Sol-gel Synthesized Copper Oxide Nanoparticles, <b>INDIA</b>
<b>5:00pm- 5:10pm</b>	<b>OP 22: Kumar Shwetabh</b> , Up and down conversion photoluminescence study of yf <sub>3</sub> :ho <sup>3+</sup> /yb <sup>3+</sup> phosphor, <b>INDIA</b>	<b>OP49 : Lakshmi S Bose</b> , Extragalactic uv radiation at different galactic latitudes, <b>INDIA</b>	<b>OP 76: Yasmeen Jafri</b> Thickness dependent structural and magnetic properties investigation of Co film interfaced with Hf, <b>INDIA</b>



<p><b>5:10pm-5:20pm</b></p>	<p><b>OP 23: Shubham Kumar,</b> Controlled synthesis of L1 0 ordered Fe 100-x Pt x alloy films: Structural and magnetic investigation, <b>INDIA</b></p>	<p><b>OP 50: Kulandai Velu Ramanathan,</b> Effects of Plasma Treatment on Surface Photovoltage and Contact Potential Variation in Microgranular CdTe , <b>INDIA</b></p>	<p><b>OP 77: Suneel Kumar. Asileti,</b> Design and Simulation of Millimeter Wave Patch Antenna for 5G Applications, <b>INDIA</b></p>
<p><b>5:20pm-5:30pm</b></p>	<p><b>OP 24: Siva Chander Chabattula,</b> Biogenic synthesis of ZnO nanoparticles using Annona muricata plant leaf extract and its anti-cancer efficacy on 2D and 3D tumor models., <b>INDIA</b></p>	<p><b>OP 51: H.M.H.D.K. Naranpanawa,</b> Development of anode materials for lithium-ion batteries from sri lankan natural vein graphite , <b>SRI LANKA</b></p>	<p><b>OP 78: Mala S,</b> A study on the Impact of Tin concentration on Microstructural and Electrical properties of ITO nanoparticles synthesized by Green Combustion method using Carica papaya seed extract., <b>INDIA</b></p>
<p><b>5.30pm-5.40pm</b></p>	<p><b>OP 25: Neha Bansal,</b> Long Term Performance Assessment and Energy Loss Analysis of 9 MW Grid Connected Solar Photovoltaic Plant in Hot and Dry Climate in India, <b>INDIA</b></p>	<p><b>OP 52:Rajiv Ranjan Srivastava,</b> Electro-chlorination of gold in brine solution followed by solvation in tri-butyl phosphate for recycling of waste printed circuit boards, <b>INDIA/VIETNAM</b></p>	<p><b>OP 79: Kuldeep jayaswal,</b> Role of Reliability Assessment in Si-based Non-Isolated DC-DC Power Electronic Converters, <b>INDIA</b></p>
<p><b>5:40pm-5:50pm</b></p>	<p><b>OP 26: Komal Gupta</b> Plant-extract-mediated zno nanoparticles: synthesis and applications, <b>INDIA</b></p>	<p><b>OP 53:J.M.K.W. Kumari,</b> Graphite/sno 2 nanoparticles/polyaniline composite as counter electrode for dye-sensitized solar cells<sub>3</sub>, <b>SRI LANKA</b></p>	<p><b>OP 80: Sandeep Verma,</b> Comparative study of Acoustical Parameters in the mixture of Poly(ethylene oxide) and Dimethylformamide at different frequencies, <b>INDIA</b></p>
<p><b>5:50pm-6:00pm</b></p>	<p><b>OP 27:Basudha Sharma,</b>Green Synthesis of zno nanoparticles using plant extract as a template, <b>INDIA</b></p>	<p><b>OP 54:Abirami Ratnakumar,</b> Effect of ultrasonication time on cellulose nanofiber disintegration from locally available rice straw , <b>SRI LANKA</b></p>	<p><b>OP 81: Willian Robert:</b> Gellan gum-clay nanocomposite polymer electrolytes with improved ionic conductivity, <b>BRASIL</b></p>

# (ICSEM-2021) 21<sup>st</sup> July 2021

## Session III: 9:30 am – 01:30 pm

	<b>Session III (a)</b> <b>Session Chair: Dr. Anji R Polu</b> (+91-9502158663) Faculty Co-ordinator: <b>Dr. Venus Dillu</b> (+91-9971383364), <b>Dr. Sunil Chauhan</b> (+91-9582592923) and <b>Dr. Anandita De</b> (+91-9873907195)	<b>Session III b</b> <b>Session Chair: Dr. Deepak Kumar</b> (+91-9911680527) Faculty Co-ordinator: <b>Dr. Pargin</b> (+91-9815977169), <b>Dr. Shankar</b> (+91-8373953039) and <b>Dr. Suman</b> (+91-7827694872)	<b>Session III c</b> <b>Session Chair: Dr. Neelam Srivastava</b> (+91-9415424782) Faculty Co-ordinator: <b>Dr. Munendra Singh</b> (+91-9205733419), <b>Dr. Meenal Gupta</b> (+91-80766309706) and <b>Dr. Teena</b> (+91-9632134930)
<b>Zoom Link</b>	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3I3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3I3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3I3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3I3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3I3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3I3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022
<b>09:30 am – 10:00 am</b>	<b>IP 45: Neelam Srivastava</b> Starch based polymer-in-salt-electrolyte membranes: a new hope for all-solid-state-flexible energy devices, <b>INDIA</b>	<b>IP 52: Amit Saxena</b> Recent Development in Polymer Electrolytes for Rechargeable Batteries, <b>INDIA</b>	<b>IP 60: Rameshwar Adhikari</b> Morphology and Mechanical Properties of Compostable Polymer Composites Based on Copolyester and Natural Fibers, <b>NEPAL</b>
<b>10:00 am – 10:30 am</b>	<b>IP 46: Marilou Cadatal-Raduba</b> Rare earth-doped fluoride glass as fast-response scintillator for neutron detection in nuclear fusion experiments, <b>NEW ZEALAND</b>	<b>IP 53: Z. Osman</b> The effects of using different anions in magnesium based-poly(vinylidene chloride-co-acrylonitrile)/succinonitrile gel polymer electrolytes, <b>MALAYSIA</b>	<b>IP 61: Akhilesh Kumar Singh</b> Tuning Crystal Structure and Phase Coexistence of Piezoelectric Ceramics for Energy, <b>INDIA</b>
<b>10:30 am – 11:00 am</b>	<b>IP 47: Meenakshi Singh</b> MIP sensors for disease biomarkers, <b>INDIA</b>	<b>IP 54 : Nataly Carolina Rosero-Navarro</b> Solution processes for the preparation of solid electrolyte and composite electrodes in all-solid-state batteries, <b>JAPAN</b>	<b>IP 62 : Yogesh Kumar</b> Redox composite materials for electrochemical supercapacitors , <b>INDIA</b>
<b>11:00 am – 11:30 am</b>	<b>IP 48: Jai Singh</b> Metal Di- chalcogenides Nano-materials for Transistor Application, <b>INDIA</b>	<b>IP 55 : Anji Reddy Polu</b> Journey of Organic-Inorganic Hybrid (POSS) Nanocomposite Polymer Electrolytes in Batteries from Li-Ion to Li-Air Via Li-S Batteries, <b>INDIA</b>	<b>IP-63: Shweta Jagtap</b> Graphene/MOS based gas sensor, <b>INDIA</b>
<b>11:30 am – 12:00 am</b>	<b>IP 49: Deepak Kumar</b>	<b>IP 56 : O.P. Sinha</b>	<b>IP 64: Narendra Kumar Singh</b>

	Current status and future prospects of polymer gel electrolytes for Na-S batteries, <b>INDIA</b>	Reduced Graphene Oxide / Zinc Oxide based nanocomposites as electrode materials for high - performance supercapacitor, <b>INDIA</b>	Nano-sized Spinel Oxides: Synthesis and Electrocatalytic Activity Towards Electro-oxidation of Methanol in Alkaline Medium, <b>INDIA</b>
<b>12:00 pm – 12:30 pm</b>	<b>IP 50: Udai P Singh</b> Thin Film Solar Cell Technologies: Current Status and Future Prospects, <b>INDIA</b>	<b>IP 57: Manoj K. Singh</b> Quasi-state-supercapacitor fabricated with activated carbons derived from honeycomb, <b>INDIA</b>	<b>IP 65: Sujata Tarafdar</b> Drying Droplets: Understanding their flow pattern using the Euler characteristic a topological tool, <b>INDIA</b>
<b>12:30 pm – 1:00 pm</b>	<b>IP 51: Sabrina Carola Carroccio</b> Polymeric hybrid cryogel for water remediation, <b>ITALY</b>	<b>IP 58: Bhaskar Bhattacharya</b> Ion Beam Irradiation effects on Polymer Electrolytes, <b>INDIA</b>	<b>IP 66: Karol Strzałkowski</b> Properties of $cd_{1-x}zn_xte$ compounds grown by high-pressure bridgman technique, <b>POLAND</b>
<b>1:00pm- 1:30pm</b>	<b>PL 4: Prof. Ceylan Zafer</b> New approaches to enhance the stability and efficiency of triple-cation perovskite solar cells, <b>TURKEY</b>	<b>IP 59: Federico Bella</b> Challenges of photovoltaics and electrochemical energy storage from 2021, <b>ITALY</b>	<b>IP 67: Erkan Aksoy</b> Investigation of excited state behavior of perylene tetrabutylester and its use in oled, <b>TURKEY</b>

**Lunch: 1:30 pm to 2:00 pm**

**Session III: 02:00 pm – 05:00 pm**

<b>Timing</b>	<b>Session III d</b> <b>Session Chair: Dr. Vivek Shukla</b> (+91-9560973300) Faculty Co-ordinator: <b>Dr. Venus Dillu</b> (+91-9971383364), <b>Dr. Sunil Chauhan</b> (+91-9582592923) and <b>Dr. Anandita De</b> (+91-9873907195)	<b>Session III e</b> <b>Session Chair: Dr. S.P Pandey</b> (+91-8527838064) Faculty Co-ordinator: <b>Dr. Pargin</b> (+91-9815977169), <b>Dr. Shankar</b> (+91-8373953039) and <b>Dr. Suman</b> (+91-7827694872)	<b>Session III (f)</b> <b>Session Chair: Dr. Pramod Kumar Mishra</b> (+91-9411102476) Faculty Co-ordinator: <b>Dr. Munendra Singh</b> (+91-9205733419), <b>Dr. Meenal Gupta</b> (+91-80766309706) and <b>Dr. Teena</b> (+91-9632134930)
<b>Zoom Link</b>	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022
<b>02:00 pm – 02:10 pm</b>	<b>OP 82: Sakshi Kabra Malpani</b> , Perlite: an economical support material for immobilization of transition metal for a series of liquid phase esterification reaction, <b>INDIA</b>	<b>OP 99: Yashwanth C</b> , Nanomaterials for Military Use: Boosting National Pride, <b>INDIA</b>	<b>OP 114: Ankita:</b> STUDY OPTICAL PROPERTIES OF ONE-DIMENSIONAL PHOTONIC, <b>INDIA</b>
<b>02:10 pm – 02:20 pm</b>	<b>OP 83: Ch. Vaishnavi Srinivas</b> , HERTZIAN STRESS ANALYSIS OF METAL AND 3D PRINTING MATERIALS, <b>INDIA</b>	<b>OP 100: Subhasmita Jena</b> , Selecting the best AISI steel grades and their proper heat treatment process by integrated Entropy-TOPSIS decision making techniques, <b>INDIA</b>	<b>OP 115: Karolina Waszkowska:</b> Metalloporphyrins as supramolecular models with potential application in nonlinear optics, <b>POLAND</b>

02.20 pm – 02.30 pm	<b>OP 84: K. Sharath Kumar</b> , Finite element analysis of vibration isolator by various materials, <b>INDIA</b>	<b>OP 101: Megha Sen Chowdhury</b> : Understanding the secondary interactions within Cu(ii)-based catecholase systems using Hirshfeld surface and molecular docking analysis, <b>INDIA</b>	<b>OP 116: Jyothilakshmi V P</b> : Polymorphic reverse phase transformation of TiO <sub>2</sub> from rutile to anatase phase accompanying morphological change via hydrothermal treatment, <b>INDIA</b>
02.30 pm – 02.40 pm	<b>OP 85: Rasagna Gajgari</b> , PZT material: the great potential of future electricity cohort through vibration energy, <b>INDIA</b>	<b>OP 102: Ritu Singh</b> : Design of molecularly imprinting polymer as electrochemical sensing platform for dual analyte analysis, <b>INDIA</b>	<b>OP 117: Ch. Kapil</b> : Effect of Marble Dust Reinforcement in Composites for Different Applications: A Review, <b>INDIA</b>
02.40 pm – 02.50 pm	<b>OP 86: Jalkam Tanish Chandra</b> , Fatigue analysis of piezo composite disc for energy harvesting, <b>INDIA</b>	<b>OP 103: Rahul Ramchandra Karnakar</b> : Coating of Urea Granules with Epoxidised Vegetable Oil Cured by Triethylene tetramine for Control Release: A Green Approach, <b>INDIA</b>	<b>OP 118: Digvijay Nath Dubey</b> : Ferroelectricity driven by 'A' and 'B' site off-centered displacements in cubic phase with Pm-3m space group, <b>INDIA</b>
02.50 pm – 3.00 pm	<b>OP 87: Emani poojitha</b> : Eigen analysis of sundry clamped free beam made of steel, smart material and composite materials, <b>INDIA</b>	<b>OP 104: Dr. Madhumita Mukhopadhyay</b> : Understanding the excited state intramolecular proton transfer phenomena of 2-hydroxy-3-naphthaldehyde thiosemicarbazone, <b>INDIA</b>	<b>OP 119: Aswini R.</b> Potentiodynamically Synthesized Nano- Worm Like Nickel Oxide Thin Film as Supercapacitor Electrode, <b>INDIA</b>
03.00 pm – 03.10 pm	<b>OP 88: K Viswanath Allamraju</b> , Effect of poisson ratio on modal analysis of piezo composite for energy harvesting, <b>INDIA</b>	<b>OP 105: D.savitha</b> : Structural, Optical and electrical properties of undoped and doped (Al, Al+Mn) ZnO nanoparticles synthesized by Green Combustion method using Terminalia Catappa seeds extract, <b>INDIA</b>	<b>OP 120: Navneet kaur</b> : Optical studies of core-shell based biodegradable nanocomposite, <b>INDIA</b>
03.10 pm – 03.20 pm	<b>OP 89: Shilpa N Borkar</b> , Influence of Strontium incorporation on energy storage behaviour of Barium Titanate., <b>INDIA</b>	<b>OP 130: Deepti Goyal</b> , Development of green, effective, and cost-efficient perlite supported solid base catalyst and applications in condensation and transesterification reactions, <b>INDIA</b>	<b>OP 121: Prof. Susanta Kumar Das</b> : Second harmonic generation of femtosecond laser pulses of wavelength 1000 nm using ZnO nanorods, <b>INDIA</b>
03.20 pm – 03.30 pm	<b>OP 90: Infanta Diana</b> : Development of biopolymer electrolyte based on sodium alginate: sodium iodide for sodium ion battery, <b>India</b>	<b>OP 132: B. Sathya Sai Swaroop</b> , Characterization of hybrid fiber reinforced polymer matrix composites, <b>INDIA</b>	<b>OP 123: Vismitha S. Patil</b> : Colloidal synthesis of stable ZnSe nanoparticles, <b>INDIA</b>
03: 30 pm – 03:40 pm	<b>OP 91: Dr. Shankamma K</b> : ecofriendly nanomaterials: A major concern for soil remediation, <b>INDIA</b>	<b>OP 106: Neeraj Kumar Mishra</b> : Near infrared emitting photo stimulated persistent luminescence in Cr <sup>3+</sup> doped ZnGa <sub>2</sub> O <sub>4</sub> ceramic materials, <b>INDIA</b>	<b>OP 124: Ashwini K B</b> : Structural and electrical characterization of ITO nanoparticles synthesized by Hydrothermal using Polyethylene glycol 400, <b>INDIA</b>
03:40 pm – 03:50 pm	<b>OP 92: Nilanjan Dey</b> : Hg <sup>2+</sup> -Induced Coordination-driven Supramolecular Assembly in Aqueous Medium: Analysing Real-Life Samples for Heavy Metal Pollutants, <b>INDIA</b>	<b>OP 107: Narava Divya Aparna</b> : Boron Nitride Nanosheets Reinforced Polymer Nanocomposites for Thermal Management Applications: A Review, <b>INDIA</b>	<b>OP 125: Anurag Tyagi</b> : Synthesis of partially exfoliated graphite for supercapacitor application, <b>INDIA</b>
03:50 pm – 04:00 pm	<b>OP 93: Dr. Yagya Dutta Dwivedi</b> : Flow field study of effect of canard location on aircraft aerodynamic performance, <b>INDIA</b>	<b>OP 108: Karedla Madhu Babu</b> : Nanofluids for Electronics Chip Cooling Application: A Review, <b>INDIA</b>	<b>OP 126: Mubarak Usman Mahmoud</b> : Chemistry of Amazing Molecule: Water, <b>NIGERIA</b>

<b>04:00 pm – 04:10 pm</b>	<b>OP 94: Dr. Sachin Tejyan:</b> Mechanical Characterization of SiC and Neem Leaf Ash Powder Reinforced Al Alloy Metal Matrix Composites, <b>INDIA</b>	<b>OP 109: Badisa Prasanth Kumar:</b> Rolling of Thermoplastics and its CompositHarishaINDIReview, <b>INDIA</b>	<b>OP 127: Muhammad Abubakar Sa'id:</b> Adoption of Green Methodology in Industry for the Synthesis of Sildenafil Citrate & Celecoxib: A Case Study, <b>NIGERIA</b>
<b>04:10 pm – 04:20 pm</b>	<b>OP 95: Sangeeta Mukherjee:</b> Electrocatalytic properties of nano-sized spinel type NiCo 2-x Cr x O 4 oxides (x = 0 and 0.2) for oxygen evolution and methanol oxidation in Alkaline medium, <b>INDIA</b>	<b>OP 110:Samit Karmakar:</b> Study of simultaneous plasma etching and heat treatment to modify commercial copper foil suitable for graphene synthesis, <b>INDIA</b>	<b>OP 128: L.V.V.Gopala Rao,</b> Design and fabrication of parabolic solar water desalination system , <b>INDIA</b>
<b>04:20 pm- 04:30 pm</b>	<b>OP 96: Pappu Kumar Harijan:</b> Synthesis and characterization of BF-0.35PT ceramic and study the effect on tetragonality with size, <b>INDIA</b>	<b>OP 111:Kampa Bala Koteswara Rao:</b> Aluminum-Magnesium Alloy Composites Processing, Microstructure and Mechanical Properties: A Review. <b>INDIA</b>	<b>OP 129: Nirvik Sahoo:</b> Waste Plastic Derived Graphene/Vanadium Pentoxide Composite for High Performance Supercapacitor application, <b>INDIA</b>
<b>04:30 pm- 04: 40 pm</b>	<b>OP 97: Debabandana Apta:</b> Efficient photocatalytic dye decomposition using tio 2 nano structured thin film grown by non-conventional sol-gel technique. <b>INDIA</b>	<b>OP 112:Dr. Vipin Sharma:</b> Experimental evaluation of solar still coupled with parabolic trough collector, <b>INDIA</b>	<b>OP 130: Deepti Goyal,</b> Development of green, effective, and cost-efficient perlite supported solid base catalyst and applications in condensation and transesterification reactions, <b>INDIA</b>
<b>04:40 pm- 04: 50 pm</b>	<b>OP 98: Sushma Shree K,</b> Impact of nanoparticles on plant growth and their significance, <b>INDIA</b>	<b>OP 113: Ram Gopal,</b> TEMPERATURE DEPENDENT UP AND DOWN CONVERSION PHOTOLUMINESCENCE STUDY OF BaWO 4 : Er 3+ PHOSPHOR, <b>INDIA</b>	<b>OP 122: Ata Aditya Wardana:</b> Combination of chitosan and peppermint essential oil as potential active coating against penicillium digitatum and Botrytis Cinerea, <b>INDONESIA/JAPAN</b>
<b>04:50 pm- 05:00 pm</b>	<b>OP 131: L.V.V.Gopala Rao ,</b> Performance Analysis of uncoated Tools for machining of Hard to Cut Materials, <b>INDIA</b>	<b>OP 133: P.K Shukla:</b> The conductivity and dielectric studies of carboxymethyl cellulose based biopolymer gel electrolyte , <b>INDIA</b>	<b>OP 134- Usman Lawal Usman:</b> Phyto- Synthesize Magnetic Magnetite (Fe <sub>3</sub> O <sub>4</sub> ) Coated with Chitosan for the Adsorption of Divalent Lead Ions (Pb <sup>2+</sup> ) from Aqueous Solution, <b>NIGERIA</b>

# ICSEM-2021) 22<sup>nd</sup> July 2021

## Session IV: 9:30 am – 01:00 pm

<b>Time</b>	<b>Session IV (a)</b> <b>Session Chair: IM Noor, Malaysia (+60-173465493)</b> <b>Faculty Co-ordinator: Dr. Pargin(+91-9815977169), Dr. Sunil Chauhan(+91-9582592923) and Dr. Anandita De(+91-9873907195)</b>
<b>Zoom Link</b>	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3I3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3I3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022
<b>09:30 am – 10:00 am</b>	<b>IP 68 :F. Caballero-Briones</b> Synthesis and characterization of magnetic graphene oxide: phase composition, fine structure and magnetic properties, <b>MEXICO</b>
<b>10:00 am – 10.30 am</b>	<b>IP 69: Sujeet Kumar Chaurasia</b> Development of Task-Specific Ionic Liquid based Solid-State Electrolytes for Technological Applications, <b>INDIA</b>
<b>10:30 am – 11:00 am</b>	<b>IP 70 :Md. Abu Bin Hasan Susan</b> Tuning morphology and magnetic properties of alnico electrodeposited from a bath of reverse micelles, <b>BANGLADESH</b>
<b>11:00 am – 11:30 am</b>	<b>IP 71 :Shin-ichi Yusa</b> Preparation of pH-responsive Polymers and Their Application, <b>JAPAN</b>
<b>11:30 am – 12.00 pm</b>	<b>IP 72 : Ab. Malik Marwan Ali,</b> High output voltage of flexible zinc oxide-reduced graphene oxide nanogenerator, <b>MALAYSIA</b>
<b>12:00 pm – 12.30 pm</b>	<b>IP 73: Serguei Savilov</b> The Features of Carbon-based 2D Nanostructures <b>RUSSIA</b>

12:30 pm – 01:00 pm	<b>IP 74 P.K Shukla</b> Ion transport in Polymer Electrolytes: Space Charge relaxation modelling approach, <b>INDIA</b>
<b>Lunch :01:00 pm to 2:00 pm</b>	
<b>Session IV: 2pm- 7pm</b> Session IV (b) <b>Session Chair: Prof. MZA Yahya, Malaysia (+60133559800)</b> <b>Faculty Co-ordinator: Dr. Pargin(+91-9815977169), Dr. Sunil Chauhan(+91-9582592923) and Dr. Anandita De(+91-9873907195)</b>	
Zoom link:	<a href="https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09">https://zoom.us/j/93083940890?pwd=eUZwTXNoNWJ2aTdaeGlmTmhHM3l3Zz09</a> <b>Meeting ID:</b> 93083940890 <b>Passcode:</b> 759022
2:00 pm- 2:30	<b>IP 75: Alessandra Carbone</b> Anion exchange membranes for amfc devices, <b>Italy</b>
2:30 pm – 3:00 pm	<b>IP 76: Sabrina Belbekhouche,</b> Layer-by-layer assembled capsule as promising drug delivery system , <b>FRANCE</b>
3:00 pm-3:30pm	<b>IP 77: Famiza Abdul Latif</b>  Influence of Reaction Viscosity on the Synthesis of un-Structured PMMA in the Development of Flexible Membrane, <b>MALAYSIA</b>
3:30 PM-4.00 PM	<b>PL 5: Agnieszka Pawlicka,</b> Environment-friendly hydrogels for plants and devices, <b>BRAZIL</b>
4:00 PM-4:30 PM	<b>IP 78 : Simona Liguori</b>  Engineering a Paradigm Shift in How We Think About Reactors: Metallic Membranesfor Highly Intensified Ammonia Synthesis,USA
4:30pm-7:00pm	<b>VALEDICTORY SESSION (Dr. Venus) Dr. Pramod Kumar Singh (HOD)</b>