

Day 0, November 28, 2023

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| 19:30-21:30 | Pre-ICANN Dinner Venue: Conference Hall Foyer |
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Day 1, November 29, 2023

| Time | Venue: Mini Auditorium |
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| 7:30-10:00 | Breakfast and Registration |
| 9:30-10:20 | Inaugural Session |
| 10:20-10:30 | Photo Session |
| 10:30-10:45 | Refreshments |
| 10:45-11:30 | Plenary Talk by: Prof. Amitava Patra Director, INST Mohali “Ultrafast Carrier Dynamics of Nanomaterials to Manipulate Light Harvesting” |
| 11:30-12:00 | Keynote Talk by: Prof. Andreas Terfort Goethe University, Frankfurt “Fluorine Atoms as Key Feature for Functional Nanolayers” |

| Time | Session 1 (Session Chair: Prof. Roy Paily) Venue: Mini Auditorium | Parallel Session 1 (Session Chair: Prof. Dipankar Bandyopadhyay) Venue: Conference Hall 2 | Poster Session |
|-------------|---|--|-----------------------|
| 12:00-12:20 | Prof. Suhrit Ghosh Indian Association for the Cultivation of Science, Kolkata “Chain folding Regulated Hierarchical Assembly of Amphiphilic Polymers and Functional Materials” | Prof. Mohit Tyagi, BARC “Synthesis and characterization of scintillating materials–Nano to Bulk” | |
| 12:20-12:40 | Prof. Devasish Chowdhury Institute of Advanced Study in Science and Technology (IASST), Guwahati “Functional Biopolymer Nanocomposite Materials for Food Packaging Applications” | Prof. M.S. Santosh CSIR, Central Institute of Mining and Fuel Research, “CO ₂ Capture and Conversion by Structurally Tailored Mn ₃ O ₄ and its Nitrogen Rich g-C ₃ N ₄ Composites” | |
| 12:40-13:00 | Prof. Saravanan Pichiah Indian Institute of Technology (ISM) Dhanbad “Solar Driven Potable Water Purification System” | Prof. Shabana Khan IISER Pune “Cyclic (Alkyl)(Amino)Carbene Stabilized Gold Nanoparticles: Synthesis and Catalytic Application” | |
| 13:00-13:10 | Oral H1-01 | Oral H2-01 | |
| 13:10-13:20 | Oral H1-02 | Oral H2-02 | |
| 13:20-13:30 | Oral H1-03 | Oral H2-03 | |

| Time | Venue: Mini Auditorium | | Poster session |
|--------------|---|---|----------------------|
| 13:30-14:30 | Lunch Break (Venue: Conference Hall Foyer) | | Evaluation of PSE-1B |
| 15:00 -15:45 | Plenary Talk by: Prof. S. Sampath IISc, Bangalore "Inorganic and Organic Nanostructures: Electrocatalysis, Sensors and Energy Storage" | | |
| 15:45- 16:15 | Keynote Talk by: Prof. P Thilagar IISc, Bangalore "Chiral BN/CC Isosteric AIEgens: Circularly Polarized Luminescence Switching and Stimuli-Induced Phase Change Materials" | | |
| 16:15-16:30 | Refreshments | | Evaluation of PSE-1C |
| Time | Session 2 (Session Chair: Prof. Tapas K Mandal) Venue: Mini Auditorium | Parallel Session 2 (Session Chair: Prof. Nageswara Rao Peela) Venue: Conference Hall 2 | Evaluation of PSE-1D |
| 16:30-16:50 | Prof. Rajendra S. Dhaka IIT Delhi "Electrochemical performance of Sodium-ion batteries for energy storage applications" | Prof. Gopinath Packirisamy IIT Roorkee "Development of nanofibers for biomedical applications" | |
| 16:50-17:10 | Prof. Ramendra Sundar Dey INST, Punjab "Electrochemical Nitrogen Fixation for Sustainable Ammonia Synthesis" | Prof. Pooja Devi CSIR-CSIO, Chandigarh "Unravelling High-Order MXenes for Hydrogen Evolution Reaction" | |
| 17:10-17:20 | Oral H1-04 | Oral H2-04 | |
| 17:20-17:30 | Oral H1-05 | Oral H2-05 | |
| 17:30-17:40 | Oral H1-06 | Oral H2-06 | |
| 17:40-17:50 | Oral H1-07 | Oral H2-07 | |
| 19:30-21:30 | Dinner (Venue: Conference Hall Foyer) | | |

Day 2, November 30, 2023

Breakfast (7:30-9:00) (Venue: Conference Hall Foyer)

| Time | Venue: Mini Auditorium | | |
|--------------|--|--|----------------------|
| 9:30- 10:15 | Plenary Talk by: Prof. Rahul Banerjee IISER, Kolkata “Porous Covalent Organic Framework Nanotubes (CONTS): Reticular Chemistry in One-dimension” | | |
| 10:15- 10:45 | Keynote Talk by: Dr. Paul C. Salins Chief – Craniomaxillo facial Surgery, Narayana Health “Future of Medical Science and Emergence of Technology Lead Healthcare” | | |
| 10:45-10:55 | Refreshments | | |
| Time | Session 3 (Session Chair: Prof. Andreas Terfort) Venue: Mini Auditorium | Parallel Session 3 (Session Chair: P.K. Iyer) Venue: Conference Hall 2 | Poster Session |
| 11:00-11:20 | Prof. Sukhendu Mandal IISER, Trivandrum “Structural Design in Atomically Precise Silver and Copper Nanoclusters” | Prof. Mahesh Hariharan IISER, Trivandrum “Greek Cross (+) Aggregate” | |
| 11:20-11:40 | Prof. J Kolleboyina IIT Jammu “Hybrid Two-dimensional Porous Materials” | Prof. Kaushik Ghosh INST, Punjab “Porous Carbon Template Decorated with MOF-Driven Bimetallic Phosphide: A suitable Heterostructure for the Production of uninterrupted Green Hydrogen via Renewable Energy Storage Device” | |
| 11:40-12:00 | Prof. Chockalingam S NIT Warangal “Development of Nanoparticle-Based Drug Delivery System to Target ALK Signaling Pathway in Neuroblastoma” | Dr. Ramakrishna Matte Centre for Nano and Soft Matter Sciences, Bengaluru, Karnataka “Solution Processing of Low-dimensional Materials and their Applications” | |
| 12:00-12:20 | Prof. Nonappa Tampere University, Finland “Novel Breast Cancer Models: Bridging Preclinical-Clinical Boundaries” | Prof. Siva Rama Krishna Vanjari IIT Hyderabad “Flexible miniaturized functional devices based on Silk Fibroi” | |
| 12:20-12:30 | Oral H1-08 | Oral H2-08 | |
| 12:30-12:40 | Oral H1-09 | Oral H2-09 | |
| 12:40-12:50 | Oral H1-10 | Oral H2-10 | |
| 12:50-13:00 | Oral H1-11 | Oral H2-11 | |
| 13:00-13:10 | Oral H1-12 | Oral H2-12 | |
| 13:10-14:30 | Lunch Break (Venue: Conference Hall Foyer) | | Evaluation of PSE-2B |

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| Time | Venue: Mini Auditorium | |
| 14:45-15:30 | Plenary Talk by: Gautam Biswas IIT Kanpur | |
| 15:30-16:00 | Keynote Talk by: Dr. Dipankar Choudhury Ansys Inc "The Impact of Physics-based Simulation Methods in Industry and Academia" | |
| 16:00- 16:30 | Keynote Talk by: Dr. RakshVir Jasra Reliance Industries Limited "Pore Engineered Nano Porous Zeolites as Commercial Adsorbents and Catalysts" | |
| Time | Venue: Mini Auditorium | Poster Session |
| 16:30- 16:40 | Short Invited Talk by: Dr. Abhay Sachdev CSIR-CSIO India "Nanocomposite Based Point-of-Care Electrochemical Microfluidic Sensors for Bioanalytical Applications" | Evaluation of PSE-2C |
| 16:40-17:50 | Refreshments | |
| Time | Session 4 (Session Chair: Raghavendra Gupta) Venue: Mini Auditorium | Parallel Session 4 (Session Chair: H. Nemade) Venue: Conference Hall 2 |
| 17:00-17:20 | Prof. Abir Ghosh Indian Institute of Technology (BHU) Varanasi "Decoding Positive Electrode and Electrode-Electrolyte Interface Degradations: Insights for Next-generation Batteries" | Prof. Nikhil R Jana Indian Association for the Cultivation of Science, Jadavpur, Kolkata- "Controlling Cellular Processes by Designed Nanoparticle" |
| 17:20-17:40 | Prof. Amit Jaiswal Indian Institute of Technology Mandi "Anisotropic Plasmonic Nanostructures for Sensing and Therapeutic Applications" | Prof. Pankaj Barah Tezpur University "Integrative OMICs and Systems Biology Approach to Gallbladder Cancer Biomarker Discovery" |
| 17:40-17:50 | Oral H1-13 | Oral H2-13 |
| 17:50-18:00 | Oral H1-14 | Oral H2-14 |
| 18:00-18:10 | Oral H1-15 | Oral H2-15 |
| 19:30-21:30 | Gala Dinner (Venue: Conference Hall Foyer) | |

Day 3, December 1, 2023

Breakfast (7:30-9:00) (Venue: Conference Hall Foyer)

| Time | Venue: Mini Auditorium |
|--------------|--|
| 9:30- 10:15 | <p>Plenary Talk by: Prof. Egbert Zojer TU Graze, Austria</p> <p><i>“The Electrostatic Design of Materials and Interfaces”</i></p> |
| 10:15- 10:45 | <p>Keynote Talk by: Dr. Satadal Saha JSV Innovation Private Limited</p> <p><i>“Addressing Multi-Dimensional Poverty – The Technology Way”</i></p> |
| 10:45-10:55 | <p>Short Invited Talk by: Prof. Ejaz Ahmad Indian Institute of Technology (ISM) Dhanbad</p> <p><i>“Bio-renewable Fuel Additives and Chemicals: Opportunities, Challenges and Catalysis”</i></p> |
| 10:55-11:10 | Refreshments |
| 11:15-11:45 | <p>Plenary Talk by: Prof. Arun Chattopadhyay IIT Guwahati</p> <p><i>“Hypermolecular Chemistry in 2D Nano”</i></p> |

| Time | Session 5 (Session Chair: Prof. Egbert Zojer) Venue: Mini Auditorium | Parallel Session 5 (Session Chair: Prof. Uttam Manna) Venue: Conference Hall 2 |
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| 11:45-12:05 | <p>Prof. Sebastian C Peter Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) Bengaluru</p> <p><i>“Materials and Methodologies in Carbon Recycling for Sustainable Energy and Net Zero Target”</i></p> | <p>Prof. Dipyaman Ganguly CSIR, Kolkata</p> <p><i>“Physical cues for immune regulation: Piezof Mechanosensors”</i></p> |
| 12:05-12:25 | <p>Prof. Gagan Kumar IIT Guwahati</p> <p><i>“Terahertz Photonics”</i></p> | <p>Prof. Ritu Gupta IIT Delhi</p> <p><i>“Tin Oxide-Based Nanomaterials for Environmental Gas/VOC Sensing”</i></p> |
| 12:25-12:45 | <p>Prof. Dibyendu Das IISER Kolkata</p> <p><i>“Adaptive Life Inspired Nanomaterials via Systems Chemistry”</i></p> | <p>Prof. Ravi Manjithaya JNCASR, Bengaluru</p> <p><i>“Role of Autophagy in Health and disease”</i></p> |
| 12:45-13:05 | <p>Prof. Kusum K Bania Tezpur University</p> <p><i>“Nanocatalysts for Utilization of C1 and C2 Alcohols in Clean Energy Production and Fine Chemical Synthesis”</i></p> | <p>Prof. Dinesh Shetty Khalifa University, UAE</p> <p><i>“Focus on Energy & Environmental Applications: Can Framework Materials Listen to Your Tunes ?”</i></p> |
| 13:05-14:00 | Lunch Break (Venue: Conference Hall Foyer) | |

| Time | Venue: Mini Auditorium |
|--------------|---|
| 14:00- 14:25 | Invited Talk by: Prof. Uttam Manna IIT Guwahati "Influence of air-bubble adhesion on hydrogen evolution reaction" |
| 14:25-14:35 | Short Invited Talk by: Prof. Rajiv Kar IIT Guwahati "Tuning properties of carbonaceous materials by functionalization with biocompatible groups" |
| 14:35-14:45 | Short Invited Talk by: Prof. Subrata Pramanik IIT Guwahati "Understanding Brain-Sex Differentiation in Health and Disease – Implications in Sex/Gender-Specific Medicine in Healthcare" |
| 14:45-14:55 | Short Invited Talk by: Dr. Madhulika Gupta IIT(ISM) Dhanbad "Impact of position of substitution and degree of acetylation in driving xylan-cellulose interactions" |

| Time | Session 6 (Session Chair: Prof. Siddhartha S. Ghosh) Venue: Mini Auditorium | Parallel Session 6 (Session Chair: Prof. P K Giri) Venue: Conference Hall 2 |
|-------------|---|---|
| 14:55-15:15 | Prof. Angshuman Nag IISER, Pune "Nanoscale Interface within a Hybrid Perovskite Crystal for Optoelectronics" | Prof. Ayan Roy Chaudhuri IIT Kharagpur "Resistive Switching in amorphous WO _{3-x} thin films for high-density memory and synaptic device applications" |
| 15:15-15:35 | Dr. Taslimarif Saiyed C-CAMP, Bengaluru | Prof. Uttam Kumar Ghorai Ramakrishna Mission Vidyamandira, Howrah "Electrochemical Synthesis of Green Ammonia and Green Urea: A Lab-to-Land Initiative" |
| 15:35-15:55 | Dr. Snehangshu Patra Entrepreneure In Green Energy "Highly efficient on-demand green H ₂ vending machine for mass decarbonization" | Dr. Prashant Kumar Karkinos Healthcare, Mumbai "Advancements in precision oncology: transforming cancer care through multi-omics Approaches" |
| 15:55-16:15 | Refreshments | |
| 16:15-16:35 | Prof. Michael Hirtz Institute of Nanotechnology (INT), KIT, Germany "Scanning Probe Lithography for (Bio)Hybrid Devices in Biomedical Applications" | Prof. Ahin Roy IIT Kharagpur "Structure-Property Correlation in Functional Oxides from Atomic-scale Electron Microscopy & Synergistic Simulations" |
| 16:35-16:55 | Dr. Sunil Dhole Technorbital Kanpur India "Newton's Laws of Entrepreneurship" | Prof. Debajyoti Mahanta Gauhati University "Binder-less approach for conducting polymer based Electrochemical Capacitors" |
| 17:00-19:00 | Poster, Oral Awards and Valedictory Session (Mini Auditorium) | |
| 19:30-21:30 | Dinner (Venue: Conference Hall Foyer) | |

INUP Hackathon, November 30, 2023

| Time | Participants | Venue |
|---------------------|--------------|-------------------|
| 10:00 – 10:10 | HF 01 | Conference Hall 3 |
| 10:10 – 10:20 | HF 02 | |
| 10:20 – 10:30 | HF 03 | |
| 10:30 – 10:40 | HF 04 | |
| 10:40 – 10:50 | HF 05 | |
| Refreshments | | |
| 11:00 – 11:10 | HF 06 | Conference Hall 3 |
| 11:10 – 11:20 | HF 07 | |
| 11:20 – 11:30 | HF 08 | |
| 11:30 – 11:40 | HF 09 | |
| 11:40 – 11:50 | HF 10 | |
| 11:50 – 12:00 | HF 11 | |
| 12:00 – 12:10 | HF 12 | |

Doctor's Conclave, 30 November 2023

| Time | Session Plan Venue: Hall 1 |
|-------------|--|
| 7:30-9:00 | Breakfast (Venue: Conference Hall Foyer) |
| 10:45-11:00 | Refreshments |
| 11:00-13:00 | Session DC 1 (Talk by Leading Medical Practitioners from Different Medical Specialities) |
| 13:00-14:30 | Lunch (Venue: Conference Hall Foyer) |
| 15:00-17:00 | Session DC 2 (Talk by Leading Medical Practitioners from Different Medical Specialities) |
| 17:00-17:10 | Refreshments |
| 19:30-21:30 | Gala Dinner (Venue: Conference Hall Foyer) |

List of Speakers

| Sl. No. | Name of the speakers | Affiliation |
|---------|-------------------------------|---|
| 1 | Dr. Puneet Dhar | Professor and Head GI Surgery and Chief Administrator Surgical Services, Amrita Hospital Faridabad and Amrita School of Medicine Faridabad |
| 2 | Dr. Neeraj Sidharthan | Clinical Professor and Head of Department of Clinical Hematology and Stem Cell Transplant Unit, Amrita Institute of Medical Sciences and Research Centre Cochin |
| 3 | Dr. Amit Haldar | Director, Neurology, Fortis Hospital, Kolkata |
| 4 | Dr. Sunip Banerjee | 1) Chief, Ruby General Hospital, Kolkata. 2) Professor, PGI Chandigarh. 3) Senior Consultant, RTIICS. |
| 5 | Dr. Leslie Edward Lewis | 1) Professor and Head, Paediatrics & Neonatology, Kasturba Medical College, Manipal, MAHE 2) Faculty of Medical Education Unit, MAHE |
| 6 | Dr. Vimal Bharadwaj D | Intensivist at Narayana Health City, Bangalore. Managing cardiac ICU, Post heart/heart-lung transplant care and managing Hospitalist course. Director of Ikannekt Biomedical Research Pvt Ltd. |
| 7 | Dr. Girish Menon Ramachandran | Professor and Head Neurosurgery, Kasturba Medical College, Manipal, Manipal Academy of Higher Education |
| 8 | Dr. Srikanth Moorthy | Professor and Head of Department, Interventional Radiology, Amrita Institute, Cochin |
| 9 | Dr. Soumik Goswami | Assistant Professor at the Dept. Of Endocrinology, NRS Medical College, Kolkata. Consultant Endocrinologist, Manipal Hospital, Salt Lake and AMRI, Mukundapur Treasurer, Endocrine Society of Bengal. |

Industrial Conclave, December 1, 2023

Session Plan

Venue: Hall 1

| Time | Session | Speaker |
|-------------|--------------|--|
| 10:30-10:50 | Session IC-1 | Dr. Nandakumar Jairam, Chairman, Medica Synergie |
| 10:50-11:20 | Session IC-2 | Dr. Alok Nikhil Jha, Head-Development, Innovation & Resources, IIT Delhi |
| 11:20-11:40 | Session IC-3 | Vivek Mishra, Founder & CEO, FibroHeal Woundcare |
| 11:40-12:00 | Session IC-4 | Ramesh Kumar V, Co-Founder Grahaa Space |