

LIST OF ACCEPTED ABSTRACTS

1. List of Accepted Abstract for Poster Presentation

Poster ID	Name of the Presenting Author	Abstract Title
PP-1	Rajesh Chengamchetty Murali CSIR-Central Leather Research Institute, Chennai	CSIR mission on A.I In Leather product sector
PP-2	Ambika Kumerasan CSIR-Central Leather Research Institute, Chennai	Skill and Entrepreneurship Development in Leather Sector for Ladakh
PP-3	Bharathkumar Gunasekaran CSIR-Central Leather Research Institute, Chennai	Characteristics of Natural Fabrics in Combination with Leathers in making of Leather Lifestyle products
PP-4	Abhinav Yadav University of Delhi	Amorphous 2D-FeNiB nanostructures as efficient and promising electrocatalysts for Water Splitting Reactions
PP-5	Ankur Kumar University of Delhi	One-Dimensional FeCoP Colloidal Nanorods for Superior Oxygen Evolution Reaction and Stable Electrocatalysis
PP-6	Shahadev Rabha CSIR-North East Institute of Science and Technology, Jorhat	Health Risk Assessment of PM _{2.5} in Jorhat
PP-7	Javed Muhommad University of Delhi	Morphology Oriented 2D-Amorphous CuCoB nanosheets as an electrode material for high performance All-Solid-State flexible supercapacitor
PP-8	Dr. Preetismita Borah Central Scientific Instruments Organisation	A Novel Method for detection and removal of inorganic Selenium by the application of Ion Chromatography
PP-9	Bidyutjyoti Dutta Dibrugarh University	Designing a Task Specific Ionic Liquid for Synthesis of Quinazolinones via Multiple Pathways
PP-10	Aditya Changmai CSIR – North East Institute of Science and	Development of Solar Biomass Hybrid Distillation Unit with Mobile Type Distillation Vassal and Its Field Demonstration for Entrepreneurship

	Technology, Branch-Itanagar,	Development.
PP-11	Debashree Bora CSIR – North East Institute of Science and Technology, Jorhat	Artificial Photosynthesis by [Fe ⁺ Ir] Catalysts: Evidence for Bimetallic Substrate Activation
PP-12	Firdaus Rahaman Gayen CSIR – North East Institute of Science and Technology, Jorhat	Catalytic evaluation of ferrocene induced bimetallic iridium(III) polypyridyl complex in visible-light driven photochemical coupling reaction
PP-13	Somananda Thokchom CSIR – North East Institute of Science and Technology, Branch-Imphal	Traditional Knowledge and Practice for wild edible plants used as medicine by Chakpa Community of Manipur, North East India, Manipur, India
PP-14	Hridoyjit Phukon CSIR – North East Institute of Science and Technology, Jorhat	The study of a potential bacterial colorant (dye) from Methylobacterium komagatae.
PP-15	Deep Jyoti Das CSIR – North East Institute of Science and Technology, Jorhat	A Traditional fermented food of northeast India – rich in functional property
PP-16	Sayed Zahid Mustabin CSIR – North East Institute of Science and Technology, Jorhat	Design and Development of efficient Hydro cum Steam Distillation Units for Essential Oil Extraction from High-Value Low-Volume Plants.
PP-17	Dipankar Barman CSIR – North East Institute of Science and Technology, Jorhat	In silico Molecular Docking studies of some phytochemicals found in Citrus macroptera fruit peel for anti-inflammatory activity
PP-18	Roktopol Hazarika Dibrugarh University	ZnFe ₂ O ₄ /PEG: Versatile Catalytic System for the Synthesis of N-Unsubstituted 1,2,3-Triazole With Theoretical Mechanistic Approach
PP-19	Nilakshi Dutta Dibrugarh University	Development of an efficient Copper catalytic system for tandem oxidative synthesis of Quinazolinones and Quinazolines
PP-20	Priyanka Gogoi Dibrugarh University	Zinc oxalate nanocrystals as recyclable catalyst for regioselective 1,2,3-triazole synthesis: a strategy towards copper-free click chemistry
PP-21	Pinku Gogoi CSIR – North East Institute of Science and	Tyrosinase Inhibitory Kinetics, LC-QTOF-MS Based Chemical Profiling and Molecular Docking Phytochemicals from Dillenia indica Barks

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PP-22	Cinmoyee Baruah Tezpur University	Classification and physicochemical characterization of gallbladder stones from Assam, North-East India.
PP-23	Anamika Gogoi CSIR – North East Institute of Science and Technology, Jorhat	Catching the Chromate Selectively from Competitive Aqueous Media by Hydrogen Bond Donor Tripodal Receptors
PP-24	Dhiraj Dutta CSIR – North East Institute of Science and Technology, Jorhat	Design and synthesis of aza-BODIPY bioconjugates for bioimaging
PP-25	Jitupon Gogoi Dibrugarh University	Synthesis and Evaluation of antioxidant properties of some novel Coumarin-triazole derivatives using DPPH and FRAP assay
PP-26	Amit Kumar CSIR – North East Institute of Science and Technology, Jorhat	Photoprotective Effect of 18 β -Glycyrrhetic Acid Derivatives Against Ultra Violet (UV)-B-Induced Skin Aging.
PP-27	Pubali Chetia CSIR – North East Institute of Science and Technology, Jorhat	High-performance Soy Protein Isolate based adhesive and its application as a binder in waste wood granules bio-composite
PP-28	Rebika Baruah CSIR – North East Institute of Science and Technology, Jorhat	Multifunctional Silver Bionanocomposites as efficient and sustainable Applicant in Wastewater Remediation and Controlling of Contagious Diseases
PP-29	Elizabeth Huidrom CSIR – North East Institute of Science and Technology, Jorhat	Diversity and utilisation of edible aromatic plants in Manipur
PP-30	Ravi Purbey CSIR – North East Institute of Science and Technology, Jorhat	The Influence of NER kaolin/Bentonite Blend Clay on the Morphology, Mechanical, and Thermal properties of the polylactic acid nanocomposite film for packaging application
PP-31	Chayanika Bharadwaj CSIR – North East Institute of Science and Technology, Jorhat	Structure and properties of potato starch/cotton linter nanocellulose bio-nanocomposite films for antimicrobial packaging applications.
PP-32	Hrishikesh Dutta	Tailoring of Physical and Antibacterial Properties of PLA Films by Infusing

	CSIR – North East Institute of Science and Technology, Jorhat	Graphene Oxide Nanoparticles and Coating with Essential Oil
PP-33	Ngairangbam Yaipharembi CSIR – North East Institute of Science and Technology, Jorhat	Diversity of use and traditional association of some wild tree resources in Manipur, Northeast India.
PP-34	Antara Banerjee CSIR – North East Institute of Science and Technology, Jorhat	Flowability and Mechanical properties of Light weight and self-compacting concrete- A review
PP-35	Kripa Dristi Dihingia CSIR – North East Institute of Science and Technology, Jorhat	Bandgap engineering of ZnX (X = O, S, Se, Te) QDs/Graphene nanocomposites: Towards the designing of a highly efficient light-harvesting device
PP-36	Papori Saikia Rain Forest Research Institute (RFRI), Jorhat	Precision Technology and Sustainable Agricultural Practice
PP-37	Dipjyoti Bora CSIR – North East Institute of Science and Technology, Jorhat	Essential oil-coated PLA/ PEVA composite film reinforced with northeast region (NER) kaolin clay for enhancement of thermo-mechanical & anti-microbial properties
PP-38	Bhaskarjyoti Bhattacharya Gauhati University	Physicochemical indices of traditional alcoholic beverages by Rangdani Rabha and Sonowal Kachari of Assam, India
PP-39	Gayatri Neog CSIR – North East Institute of Science and Technology, Jorhat	Fluorometric detection of pesticides using boron based quantum dots
PP-40	Chayanika Hazarika and Asish Borah CSIR – North East Institute of Science and Technology, Jorhat	Insights of the different properties of Graphite resources of Arunachal Pradesh
PP-41	Bhaskar Protim Mahanta CSIR – North East Institute of Science and Technology, Jorhat	Phytotoxic Essential Oil from Black Turmeric (<i>Curcuma caesia</i> Roxb.) Rhizome: Screening, Efficacy, Chemical Basis, Uptake and Mode of Transport
PP-42	Pranjit Kumar Bora CSIR – North East Institute of Science and Technology, Jorhat	Whole-cell Biocatalyzed Organic Solvent-Free Conversion of Dill Oil to cis-(-)-Dihydrocarvone Rich Aromatic Hydrosol: Chemical and Aroma Profiling

PP-43	Gitalee Bonia North Eastern Hill University, Shillong	Green synthesis approach for preparation of metal oxide nanocomposites by using Pine Leaves for removal of heavy metal ions from water medium
PP-44	Diksha Jyoti Baruah CSIR – North East Institute of Science and Technology, Jorhat	Biomolecule detection by low-cost paper-based analytical devices fabricated using graphene-based nanocomposites
PP-45	Priyanka Kakoti CSIR – North East Institute of Science and Technology, Branch-Itanagar	Edible mushrooms of Arunachal Pradesh, India: A study of indigenous knowledge, distribution and diversity and technologies to enhance cultivation
PP-46	Papori Borah CSIR – North East Institute of Science and Technology, Jorhat	Biotechnological approach for regeneration of two important medicinal plants of N.E. India
PP-47	Anup Singhania CSIR – North East Institute of Science and Technology, Jorhat	A Development Towards Standalone Double Ratchet Motor Molecules: Radio waveguided Double Ratchet motor in energy harvesting
PP-48	Koushik Dutta CSIR – North East Institute of Science and Technology, Jorhat	Functionality modification of lignin and thereafter grafting with lactic acid to prepare polymer film with high flexibility
PP-49	Ankumoni Saikia CSIR – North East Institute of Science and Technology, Jorhat	Synthesis of Acetosyringone from Rice Straw Isolated Lignin
PP-50	Karanika Sonowal CSIR – North East Institute of Science and Technology, Jorhat	Photocatalytic Reduction of CO ₂ to Methanol using Zr (IV)-based MOF Composite with g-C ₃ N ₄ Quantum Dots under Visible Light Irradiation
PP-51	Nooreen Washmin CSIR – North East Institute of Science and Technology, Jorhat	A preliminary study on three paddy land races of North-east India for industrialization as ready to rehydrate food ingredients
PP-52	Twinkle Borah CSIR – North East Institute of Science and Technology, Jorhat	An approach for processing of wild seeded banana (<i>Musa balbisiana</i> Colla) to prevent its post-harvest loss and its utilization as natural ingredient in food industry
PP-53	Maga Nana Kaka	Indigenous knowledge in preparation of food product from Arenga

	CSIR – North East Institute of Science and Technology, Branch-Itanagar	westerhoutii Griff. and its nutritional importance: An under-utilized economic plant of Arunachal Pradesh, India
PP-54	Hage Sonia CSIR – North East Institute of Science and Technology, Branch-Itanagar	Exploration and study on ethnic food items Apatani Tribe of Arunachal Pradesh
PP-55	Jadumoni Saikia CSIR – North East Institute of Science and Technology, Jorhat	A comparative morphological study of inflorescence patterns in some common Alpinia sp. distributed in NE India
PP-56	Parthapratim Konwar CSIR – North East Institute of Science and Technology, Jorhat	Application of free and open-source analytical tools in the conservation of threatened plant species
PP-57	Rubi Barman CSIR – North East Institute of Science and Technology, Jorhat	Identifying a forest biomass with industrial potential from North-East India
PP-58	Santhi Maria Benoy CSIR – North East Institute of Science and Technology, Jorhat	Single step synthesis of coal derived porous carbon assisted with ammonium chloride chemical blowing for high performance supercapacitors
PP-59	Mousumi Bora CSIR – North East Institute of Science and Technology, Jorhat	Electrochemical study of indigenous supercapacitor electrode material derived from Biocoal
PP-60	Parijat Pratim Das CSIR – North East Institute of Science and Technology, Jorhat	Scalable green synthesis of graphene materials from low-grade coal derived humic acid towards the high performance supercapacitor for energy storage application
PP-61	Anusuya Boruah CSIR – North East Institute of Science and Technology, Jorhat	Fabrication of a highly efficient fluoride ion sensor based on waste coal derived carbon quantum dots by on-off-on mechanism of fluorescence
PP-62	Angana Mahanta CSIR – North East Institute of Science and Technology, Jorhat	Characteristics and stability of Iron (Fe) based nanoparticles during remediation of Acid Mine Water of North Eastern Coalfield
PP-63	Nilotpol Bhuyan	Rare Earth Elements from coal mine waste: A study on electrochemical

	CSIR – North East Institute of Science and Technology, Jorhat	applications of REEs based nanoparticles for sustainable environment
PP-64	Abhishek Hazarika CSIR – North East Institute of Science and Technology, Jorhat	Towards the synthesis of coal derived carbon electrode materials for energy storage applications: A study on carbon and energy nexus insight
PP-65	Manoj Kumar and Pallabika Dihingia CSIR – North East Institute of Science and Technology, Jorhat	A preliminary approach inquiring Immunomodulatory potential of some commonly available vegetables of Assam
PP-66	Nazrul Islam CSIR – North East Institute of Science and Technology, Jorhat	Air pollutants turn into water soluble carbon nanotubes: A novel green synthetic approach for air pollution mitigation
PP-67	Mayurakhi Bhuyan CSIR – North East Institute of Science and Technology, Jorhat	Cyanoalkylation of Quinoxalin-2(1H)-ones with Vinylarenes and Azobis (Alkyl-carbonitrile)s : A Metal-free Three-component Approach.
PP-68	Dr. Swapan Kumar Biswas Sree Chaitanya College, Habra	One-pot Synthesis of Pyrano[2,3-c]pyrazole Derivatives via Multicomponent Reactions (MCRs) and their Applications in Medicinal Chemistry
PP-69	Bikas Das CSIR – North East Institute of Science and Technology, Jorhat	A pilot study on commonly distributed wild ornamental Begonia sp. of NE India for acclimatization and domestication.
PP-70	Debashis Sarmah CSIR – North East Institute of Science and Technology, Jorhat	Oxidative dialysis based synthesis of Graphene oxide from Low-grade Coal in Northeast India
PP-71	Pratiksha Bhorali CSIR – North East Institute of Science and Technology, Jorhat	Synthesis of benoxepine derivatives via C-H activation
PP-72	Sarmistha Bhagawati Gauhati university	Assessment of Erosion and Lateral Accretion in a part of Brahmaputra River of Assam, India.
PP-73	Monikankana Saikia CSIR – North East Institute of Science and Technology, Jorhat	Coal-derived carbon quantum dots as a highly selective fluorescent sensor for detection of ferric and arsenite ion in water

PP-74	Diksha Maheswari CSIR – North East Institute of Science and Technology, Jorhat	Digital Analysis of Colorimetric Reactions on Paper-based Platforms
PP-75	Rashmita Devi CSIR – North East Institute of Science and Technology, Jorhat	Fluorometric detection of dopamine using boronic acid-functionalized tungsten disulfide quantum dots
PP-76	Partha Majumder CSIR – North East Institute of Science and Technology, Jorhat	Determination of Dimensional Stabilization of Non Timber Wood using the Water Soak Method
PP-77	Anshuman Phukan CSIR – North East Institute of Science and Technology, Jorhat	Seismic hazard scenario assessment for North-Eastern Indian region through seismicity and frequency distribution analysis
PP-78	Suraj Sharma CSIR – North East Institute of Science and Technology, Jorhat	4-hydroxycoumarins as radical precursor towards the synthesis of N- & O-containing heterocycles via free radical reaction
PP-79	Chandan Dey CSIR – North East Institute of Science and Technology, Jorhat	On Mw 6.1 Kopili Fault earthquake of April 28, 2021: Seismotectonic appraisal
PP-80	Kushwaha Jashvant Kumar Central Institute of Technology, Kokrajhar	Citrus Limetta Peel Mediated Green Synthesis of Magnesium Oxide (MgO) Nano-catalysts for Production of Biodiesel
PP-81	Manoranjan Sarkar Central Institute of Technology, Kokrajhar	Production of Biodiesel from Sesame Oil using Musa Acuminata Blossom Based Heterogeneous Catalyst
PP-82	Nabajyoti Molia CSIR – North East Institute of Science and Technology, Jorhat	Effect of change in Coulomb- stress on Gutenberg-Richter law for the seismicity of Kopili Fault Zone, Assam, North-East India
PP-83	Refad Ahmed CSIR – North East Institute of Science and Technology, Branch-Itanagar	Comparative study of nutritional status of compost and vermicompost generated from locally available bamboo leaf litters, mushroom waste with addition of microbial consortium employing <i>Eisenia fetida</i>
PP-84	Bitupan Mohan CSIR – North East Institute of Science and	Synthesis and Characterization of Eicosyl Methacrylate Polymer via Reverse ATRP

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PP-85	Pranjal Protim Dutta CSIR – North East Institute of Science and Technology, Jorhat	Poly(n-octadecyl methacrylate) by RAFT polymerization and its characterization by different analytical techniques
PP-86	Kasulanati Venkata Rama and Hanumanth Prasad CSIR – North East Institute of Science and Technology, Jorhat	A tectonic domain based novel algorithm developed for computation of QLg
PP-87	Debasish Nandan Bora CSIR – North East Institute of Science and Technology, Jorhat	Crustal scale anisotropy to determine the concurrent complex tectonics: a case study
PP-88	Nirangkush Borah CSIR – North East Institute of Science and Technology, Branch-Itanagar	GA-AuNP@Tollens' complex as highly sensitive plasmonic nano sensors for detection of Formaldehyde and Benzaldehyde
PP-89	Jennifer Daimari Central Institute of Technology, Kokrajhar	Comparative study of green synthesized of Cu and Zn nanoparticles for anti-microbial and anti-oxidant activities
PP-90	Abhileen Chatterjee Indian Institute of Technology, Guwahati	A Vulnerability Review of the Indo-Gangetic Basin due to Central Himalayan Seismicity
PP-91	Dhiman Kalita CSIR-Institute of Minerals and Materials Technology, Bhubaneswar	Origin of Self-Trapped Exciton Emission in MAPbBr ₃ Perovskite
PP-92	Rashmi Rani Boro CSIR – North East Institute of Science and Technology, Jorhat	Effect of Physicochemical properties (Spatiotemporal) of Wastewater on estimation of SARS-CoV-2 in North East India
PP-93	Nongthombam Pooja Devi Manipur University	Effect of Irsogladine maleate, a potential neuroprotective agent, on MPP ⁺ - induced SH-SY5Y cell model of Parkinson's Disease
PP-94	Nibir Pran Borah CSIR – North East Institute of Science and Technology, Jorhat	Factors effecting fatigue, hydraulic and strength characteristics of Pervious concrete: A review

PP-95	Rishikesh Duarah CSIR – North East Institute of Science and Technology, Jorhat	Relationship between Compressive Strength and Flexural Strength of Concrete: A review
PP-96	Amarjit Rajbongshi Dibrugarh University	Mathematical Modeling of a Bioremediation Process of Oilfield Produced Water
PP-97	Jayshree Maharana CSIR-Institute of Minerals and Materials Technology, Bhubaneswar	Removal of cyanide and phenol through phytoremediation technology for contaminated coke oven industry wastewater
PP-98	Shikharani Hazarika Department of Chemistry, Dibrugarh University, Dibrugarh	Biogenic synthesis of bimetallic Fe-Pd nanoparticles supported on reduced graphene oxide: A magnetically separable efficient catalyst for Beckmann Rearrangement of benzaldoximes to benzamides
PP-99	Sourav Goswami CSIR – North East Institute of Science and Technology, Jorhat	In-vitro Antioxidant and Immunomodulatory Effect of Cinnamomum tamala: A Comparative study of successive and soxhlet extractions
PP-100	Upasana Goswami CSIR – North East Institute of Science and Technology, Jorhat	Liquid Formulation of Biofertilizer for Sustainable Agriculture
PP-101	Gayatri Gogoi CSIR – North East Institute of Science and Technology, Jorhat	Employing Wastewater based epidemiology as an early warning system for detecting SARS-CoV-2 in North East India
PP-102	Pratyashi Kondoli CSIR – North East Institute of Science and Technology, Jorhat	Ionic liquid based extraction of cellulose from Areca nut husk fiber for membrane application
PP-103	Bharati Kakoty CSIR – North East Institute of Science and Technology, Jorhat	Extraction of edible natural dye and nutritional analysis for food application
PP-104	Neha R Thakare CSIR – North East Institute of Science and Technology, Jorhat	Green synthesis of Silver nanoparticle for antibacterial textile application

PP-105	Diksha Yadav CSIR – North East Institute of Science and Technology, Jorhat	Biomolecules separation using robust thin-film nanocomposite membranes
PP-106	Moucham Borpatra Gohain CSIR – North East Institute of Science and Technology, Jorhat	Preparation and characterization of low-cost membranes for the removal of dyes and phosphate from the water bodies
PP-107	Pravin G. Ingole CSIR – North East Institute of Science and Technology, Jorhat	Thin-film nanocomposite membranes for wastewater treatment
PP-108	Sachin Karki CSIR – North East Institute of Science and Technology, Jorhat	Development of novel thin-film nanocomposite membrane for removal of heavy metal ions

2. List of Accepted Abstract for Oral Presentation

Oral ID	Name of the Presenting Author	Abstract Title
OP-01	Dipak Basumatari CSIR-North East Institute of Science and Technology, Jorhat	Repercussions of Natural Disasters in North East India – A Review
OP-02	Dr. Sabyasachi Pramanik Assam Energy Institute, Center of Rajiv Gandhi Institute of Petroleum Technology, Sivasagar	Surface Complexed Quantum Dots for White Light Emission and Sensing Applications
OP-03	Dr. Madhulekha Gogoi CSIR-North East Institute of Science and Technology, Jorhat	Palladium (II) complex functionalized ZnS quantum dot: A promising fluorescent probe for selective detection of pyrophosphate anion
OP-04	Dr. Jacklin Jeke Nilling Indian Institute of Technology Kanpur	Assessment of Precipitation as Arsenic Immobilization Technique in a Typical Oxidizing Groundwater

OP-05	Dr. Leon Raj J CSIR-North East Institute of Science and Technology, Jorhat	Assessment, Repair And Rehabilitation of 60-Year-Old CSIR NEIST Buildings- A Case Study
OP-06	Dr. Jayshree Hazarika National Institute of Technology Silchar, Assam	Influence of Orography on Rainfall Characteristics of Northeast India and Its Importance in Climate Modelling Studies
OP-07	Dr. Arun Kumar Assam Energy Institute, Center of Rajiv Gandhi Institute of Petroleum Technology, Sivasagar	Green synthesis of electrode for electro-oxidative remediation of emerging pollutant in wastewater
OP-08	Dr. Prasenjit Manna CSIR-North East Institute of Science and Technology, Jorhat	Glucose-Sensitive Delivery of Vitamin D by Dextran-gated Multi-Functional Mesoporous Silica Nanoparticles to Mitigate Hyperglycemia
OP-09	Ashish Pippal CSIR- Central Building Research Institute, Roorkee	Risk Assessment & Stability Analysis of Narendra Nagar Landslide at Uttarakhand, India
OP-10	Dr. Yana Bagbi Jawaharlal Nehru College, Pasighat, Arunachal Pradesh	Amino-functionalized Magnetite Nanosorbents for the removal of heavy metal ions from Water
OP-11	Akshat Verma Indian Institute of Technology, Kanpur	Potential Role of Chloride in Controlling Arsenic Speciation under Ambient Conditions
OP-12	Shekhar Jyoti Pathak Indian Institute of Technology, Guwahati	Direct Liquefaction of Electronic Waste Plastics and Process Simulation using Aspen Plus Simulator