

PROGRAMME SCHEDULE

International Conference on Technology and Innovations for Sustainable Development (TISD-2023) 27-29 October, 2023

Date	Time	Event	Venue
27 October, 2023	09:00 – 10:00 AM	Registration	Institute Seminar Hall
	10:00 – 11:00 AM	1. Preconference Tutorial on Research Methodology by Dr. Rakesh Kumar, Organizing Secretary	
	11:00 – 11:05 AM	2. Lightening of the Lamp	
	11:05 – 11:15 AM	3. Welcome address by Conference Chair & Convener, Prof. Anjana Pandey, MNNIT Allahabad	
	11:15 – 11:25 AM	4. Inaugural address by Keynote Speaker Prof. Sergei Markov, Austin Peay State University, USA	
	11:25 – 11:35 AM	5. Inaugural address by Guest of Honour Prof. Kavita Shah, Institute of Environment and Sustainable Development, BHU, Varanasi	
	11:35 – 11:45 AM	6. Address by Chief Guest Prof. R. S. Dubey, Vice-Chancellor CUG, Gujarat	
	11:45 – 11:55 AM	7. Inaugural Presidential address by Hon'ble Director MNNIT Allahabad	
	11:55 – 12:05 PM	8. Vote of Thanks by Dr. Rakesh Kumar	
	12:05 – 12:06 PM	9. Souvenir Release & Memento Distribution	
	12:06 – 12:15 PM	10. National Anthem	
	Keynote Talk 1		
	12:15 – 01:00 PM	Prof. Sergei Markov , Austin Peay State University, USA: POTENTIAL OF USING MICROORGANISMS IN BIOREACTORS FOR H ₂ PRODUCTION	
	01:00 – 02:00 PM	LUNCH BREAK	Seminar Hall Ground
Keynote Talk 2			
02:00 – 02:45 PM	Prof. Stephen Gray : WATER TREATMENT TECHNOLOGIES FOR SUSTAINABLE WATER MANAGEMENT		
Keynote Talk 3			
02:45 – 03:15 PM	Prof. Nand Kishore : BUSINESS SUSTAINABILITY FOR ENERGY ENTERPRISES IN GREEN HYDROGEN INDUSTRY		
Keynote Talk 4			
03:15 – 03:45 PM	Prof. Prashant Mishra : ANTIBIOTIC STEWARDSHIP AND SUSTAINABLE DEVELOPMENTAL GOALS		
PARALLEL TECHNICAL SESSION I	GREEN TECHNOLOGIES AND INNOVATIONS FOR A SUSTAINABLE FUTURE: INVITED TALK (15 MIN. EACH X 4) [Session Chair & Co-chair: Prof. Anjana Pandey and Prof. Sergei Markov]		
03:45 – 04:00 PM	IT 1 - Anjana Pandey : SIMULTANEOUS ELECTROCHEMICAL SENSING OF ORGANIC DYES FROM WASTEWATER EFFLUENT: A SUSTAINABLE APPROACH	Institute Seminar Hall	
04:00 – 04:15 PM	IT 2 - Sachin Kumar : BIOREFINING OF LIGNOCELLULOSIC BIOMASS FOR 2G ETHANOL AND OTHER RENEWABLE CHEMICALS		
04:15 – 04:30 PM	IT 3 - Krushna Prasad Shadangi : CATALYTIC CO-PYROLYSIS OF WASTE MOTOR OIL AND WASTE THERMOCOL: STUDY THE FUEL CHARACTERISTICS AND COMPOSITION OF PYROLYTIC OIL		
04:30 – 04:45 PM	IT 4 - Nimish Shah : GREEN POLYMERS FOR WASTEWATER TREATMENT		
ORAL PRESENTATIONS (10 MIN. EACH X 4) [Session Chair & Co-chair: Dr. Krushna Prasad Shadangi and Dr. Sachin Kumar]			

04:45 – 04:55 PM	OP 1 - Jitendra N. Gangwar : IMPLEMENTATION OF TRIPPLICATE FUEL BLENDS TO ENHANCE DIESEL ENGINE CHARACTERISTICS	
04:55 – 05:05 PM	OP 2 - Nivedita Patel : STUDY THE COMPOSITION AND FUEL CHARACTERISTICS OF ZnO BASED CATALYTIC PYROLYSIS OIL AND GASOLINE BLENDED FUEL	
05:05 – 05:15 PM	TEA BREAK	
05:15 – 05:25 PM	OP 3 - Pranav Gupte : A THEORETICAL STUDY ON CORRELATION BETWEEN GREEN MANUFACTURING TECHNOLOGIES	
05:25 – 05:35 PM	OP 4 - Arvind Kumar Mishra : A FACILE HYDROTHERMAL METHOD FOR SYNTHESIZING V ₂ O ₅ NANOSHEET TAILORED FOR HIGH-PERFORMANCE SUPERCAPACITOR APPLICATIONS	
POSTER PRESENTATION [Session Chair and Co-chair: Prof. Sergei Markov and Prof. Prashant Mishra]		
05:35 – 06:30 PM	PP 1 - Ninad Chaulamwar : DESIGN AND DEVELOPMENT OF PSA SYSTEM FOR ULTRA PURIFICATION OF GREEN HYDROGEN PP 2 - Rohan Wandhre : ASSESSING ENVIRONMENTAL CARRYING CAPACITY FOR SUSTAINABLE DEVELOPMENT: A CASE STUDY OF NAGPUR CITY, INDIA PP 3 – Sandesh B. Desai : A REVIEW: HYDROGEN PRODUCTION, STORAGE, TRANSPORTATION, FUTURE PROSPECTS & CHALLENGES	Front Yard of Seminar Hall
PARALLEL TECHNICAL SESSION II	BIOPROCESSES, LCA & SUSTAINABILITY: INVITED TALK (15 MIN. EACH X 4) [Session Chair & Co-chair: Prof. Kavita Shah & Dr. Sushil Kumar]	
03:45 – 04:00 PM	IT 1 - Smita Raghuvanshi : LIFE CYCLE/ENVIRONMENT IMPACT ASSESSMENT STUDIES WITH AN ENGINEERING PERSPECTIVE	
04:00 – 04:15 PM	IT 2 - O.N. Tiwari : CONSERVATION AND CHARACTERIZATION OF NOSTOCALES CYANOBACTERIA FROM INDO- BURMA BIODIVERSITY HOTSPOT TOWARDS AGRICULTURAL AND BIOTECHNOLOGICAL POTENTIALS	
04:15 – 04:30 PM	IT 3 - Akhil Agrawal : CHALLENGES AND PROSPECTS OF MICROBIOLOGY IN OIL AND GAS INDUSTRY (Online)	
	ORAL PRESENTATIONS (10 MIN. EACH X 4) [Session Chair & Co-chair: Prof. Smita Raghuvanshi & Dr. Ashish N. Sawarkar]	
04:30 – 04:40 PM	OP 1 - Ashish Gautam : EXPERIMENTAL INVESTIGATION OF POST-COMBUSTION CO ₂ CAPTURE BY AQUEOUS AMINE BLEND OF 2-(2-AMINOETHYLAMINO)ETHANOL AND 2-DIMETHYLAMINOETHANOL	LHC- III
04:40 – 04:50 PM	OP 2 - Anju Kushwaha : APPLICATION OF ENZYMES IN TEXTILE WET PROCESSING INDUSTRY FOR ITS SUSTAINABLE DEVELOPMENT	
04:50 – 05:00 PM	OP 3 - Rashi Kushwaha : BIO-STONING- APPLICATION OF CELLULASE ENZYME TO ENHANCE THE APPEARANCE OF DENIM GARMENT	
05:00 – 05:15 PM	TEA BREAK	
05:15 – 05:25 PM	OP 4 - Gaurav Kumar Meena : OPTIMIZATION OF CR (VI) REMOVAL EFFICIENCY OF WASTE TIRE ADSORBENT FROM AQUEOUS SOLUTION BY RESPONSE SURFACE METHODOLOGY	
05:25 – 05:35 PM	OP 5 - Divyajyoti Biswal : LIFE CYCLE ASSESSMENT AND TECHNO-ECONOMIC ANALYSIS OF A BROWN BIREFINERY	
05:35 – 05:45 PM	OP 6 - Rohan Talwar : PARAMETRIC ANALYSIS OF INDUSTRIAL SHED OF DIFFERENT SECTIONS UNDER THE EFFECT OF WIND LOAD	
05:45 – 05:55 PM	OP 7 - Radhika Jaithaliya : ALGAE-BASED BIO-OIL PRODUCTION: A BIBLIOMETRIC ANALYSIS	

POSTER PRESENTATION			
[Session Chair and Co-chair: Prof. Makov Sergei and Prof. Prashant Mishra]			
05:55 – 06:30 PM	PP 1 - Vishal Sonkar : UNVEILING THE POTENTIAL OF BG11 MEDIUM: A BBD-BASED APPROACH FOR SYNECHOCOCCUS SPP. EPS, BIOMASS AND PIGMENT (CHLOROPHYLL-A, CHLOROPHYLL-B, CAROTENOID) ENHANCEMENT		Front Yard of Seminar Hall
06:30 – 08:00 PM	SANGEET SANDHYA		Institute Seminar Hall
08:00 PM onwards	BANQUET DINNER		Seminar Hall Ground

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Date	Time	Event	Venue
	05:30 – 08:00 AM	SANGAM VISIT	
	8:00 – 9:00 AM	Breakfast	
		Keynote Talk 5	
	09:00 – 09:30 AM	Prof. Vimal Katiyar: TAILORED SUSTAINABLE PLASTICS FOR DAY TO DAY APPLICATIONS	Institute Seminar Hall
		Keynote Talk 6	
	09:30 – 10:00 AM	Prof. Kavita Shah: HEALTH AND ENVIRONMENTALLY SUSTAINABLE SYSTEMS	
		Keynote Talk 7	
	10:00 – 10:30 AM	Prof. S.K. Shukla: A LOW-TEMPERATURE ORGANIC RANKINE CYCLE (ORC) SYSTEM FOR DECENTRALIZED ELECTRICITY PRODUCTION	
	11:15 – 11:25 AM	TEA BREAK	
		PARALLEL TECHNICAL SESSION III	
		ROLE OF MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE FOR SUSTAINABLE FUTURE: INVITED TALK (15 MIN. EACH X 4) [Session Chair & Co-chair: Prof. Prashant Mishra and Dr. Anoj Kumar]	
	11:25 – 11:40 AM	IT 1 - Ashutosh Mani: ML BASED IDENTIFICATION OF DIAGNOSTIC MARKERS FOR COLORECTAL CANCER FROM RNA SEQ DATA	Institute Seminar Hall
	11:40 – 11:55 AM	IT 2 - Lakshman Singh: MATHEMATICAL ANALYSIS OF SUSTAINABLE GROWTH BY INNOVATION AND ITS ADOPTABILITY	
	11:55 – 12:10 PM	IT3 - Dr. Sumit H. Dhawane: Waste mahua shells derived carbon supported catalyst for biodiesel production from blends of inedible oils	
	01:00 – 02:00 PM	LUNCH BREAK	
		ORAL PRESENTATIONS (10 MIN. EACH X 5) [Session Chair & Co-chair: Dr. Ashutosh Mani and Dr. Rupesh Dewang]	
	02:00 – 02:10 PM	OP 1 - Kaushal Kishor Singh: DATA BASED DIAGNOSIS OF SOFC PERFORMANCE USING MACHINE LEARNING APPROACH	
	02:10 – 02:20 PM	OP 2 - Anushree Raj: INFLUENCE OF DEEP REINFORCEMENT LEARNING TECHNIQUES IN VEHICULAR NETWORKS	
	02:20 – 02:30 PM	OP 3 - Sapna Sinha: ANALYZING THE REAL TIME IMPACT OF USING IOT IN SMART HOME	
	02:30 – 02:40 PM	OP 4 - Anuradha Pandey: PREDICTION OF PM2.5 LEVELS USING ANN AND MLR MACHINE LEARNING MODELS FOR LUCKNOW IN INDIA	
	02:40 – 02:50 PM	OP 5 - Arpita Srivastava: ASSESSMENT OF POSITIVE AND NEGATIVE IMPACTS OF ARTIFICIAL INTELLIGENCE (AI) ON SUSTAINABLE DEVELOPMENT GOALS (SDGS)	
		POSTER PRESENTATION [Session Chair and Co-chair: Prof. Sergei Markov and Prof. Prashant Mishra]	
	02:50 – 03:50 PM	PP 1 - Anurag Srivastava: EFFECT OF OPERATING PARAMETERS ON CONDITION MONITORING OF ROTOR-BEARING SYSTEM USING DEEP LEARNING	Front Yard of Seminar Hall
		PP 2 - Pooja Kumari: WHATSAPP CHAT EVALUATOR: CHAT INSIGHTFUL ANALYSIS	
		PP 3 - P. Upadhyay: PROPAGATION OF SHOCK WAVES IN A SELF-GRAVITATING NON-IDEAL GAS INFLUENCED BY MAGNETIC FIELD AND MONOCHROMATIC RADIATION VIA LIE GROUP THEORY TECHNIQUES	
		PP 4 - Samiksha Shinde: FIR REGISTRATION AND POLICE VERIFICATION USING BLOCKCHAIN	
		PP 5 - Shivani Tiwari: A STUDY AND IMPLEMENTATION OF YOLO FOR OBJECT DETECTION	
	03:50 – 04:00 PM	TEA BREAK	

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PARALLEL TECHNICAL SESSION IV	WATER, AIR, SOIL AND GEOSPATIAL TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT: INVITED TALK (15 MIN. EACH X 4) [Session Chair & Co-chair: Prof. V. K. Srivastava & Dr. Manohar Yadav]		LHC- III
11:25 – 11:40 AM	IT 1 - Parmesh Kumar Chaudhari : CONVERSION OF FRUIT AND VEGETABLE WASTE IN TO BIOGAS		
11:40 – 11:55 AM	IT 2 - Dr. Soumyadipta Rakshita : DELINEATING THE ULTRAFAST-TO-SLOW PHOTODYNAMICS OF THE DEEP BLUE AND HIGHLY EMISSIVE ZNS-PASSIVATED INP QDS		
11:55 – 12:10 PM	IT 3 - Archana Tiwari : EMERGING TECHNOLOGIES TOWARDS DEVELOPMENT OF SUSTAINABLE DIATOM BIOREFINERY		
01:00 – 02:00 PM	LUNCH BREAK		
	ORAL PRESENTATIONS (10 MIN. EACH X 2) [Session Chair & Co-chair: Parmesh Kumar Chaudhari & Dr. Sanjeev Rai]		
02:00 – 02:10 PM	OP 1 - Rajalaxmi Ratha : A REVIEW ON XFEM ANALYSIS OF CRACKS IN PIEZOELECTRIC MATERIAL		
02:10 – 02:20 PM	OP 2 - Suraj P : DEVELOPMENT AND TESTING OF CARBON-BASED NANOFLUID FOR SOLAR ABSORPTION APPLICATIONS		
POSTER PRESENTATION [Session Chair and Co-chair: Prof. Makov Sergei and Prof. Prashant Mishra]			Front Yard of Seminar Hall
02:20 – 03:20 PM	PP 1 - Vinay Upadhyaya : PIEZOELECTRIC TILES FOR SUSTAINABLE ENERGY HARVESTING: A REVIEW		
	PP 2 - Sadichha Jagadale : CCUS TECHNOLOGIES AND POLICIES IN INDIA: ROADMAP FOR FUTURE		
	PP 3 - Deepak Singh : CONTAMINATION POTENTIAL OF MUNICIPAL SOLID WASTE LANDFILL LEACHATE IN URBAN AREAS		
03:20 – 04:00 PM	TEA BREAK		
PARALLEL TECHNICAL SESSION V	Sustainable Agriculture and Environment Biotechnology: INVITED TALK (15 MIN. EACH X 4) [Session Chair & Co-chair: Prof. Neelam Yadav & Dr. Animesh Ojha]		
04:00 – 04:15 PM	IT 1 - Prof. Neelam Yadav : SAFETY CONCERN OF ACRYLAMIDE IN FOOD AND APPROACHES TO MINIMIZE ITS FORMATION		Institute Seminar Hall
04:15 – 04:30 PM	IT 2 - Nagendra Thakur : TEMPERATURE – A CRITICAL ABIOTIC PARADIGM THAT GOVERNS BACTERIAL HETEROGENEITY AND ITS ANTIBIOTIC RESISTANCE IN NATURAL ECOLOGICAL SYSTEM		
04:30 – 04:45 PM	IT 3 - Yogendra V. Kuwar : CRYOGENIC APPROACH FOR CARBON DIOXIDE SEPARATION AND STORAGE FROM PURE CO ₂ AND VARIOUS MIXTURES OF 20%CO ₂ – 80%CH ₄ , 30%CO ₂ –70%CH ₄ , 40%CO ₂ –60%CH ₄ , AND 50%CO ₂ –50%CH ₄		
04:45 – 05:00 PM	IT 4 - Abhay Kumar Pandey : THERAPEUTIC POTENTIAL OF NATURAL PRODUCTS AGAINST ANTI-TUBERCULOSIS AND ANTI DEPRESSANT DRUG INDUCED HEPATO-RENAL TOXICITY		
ORAL PRESENTATIONS (10 MIN. EACH X 9) [Session Chair & Co-chair: Prof. Subrato Bhattacharya & Dr. Rakesh Kumar]			Institute Seminar Hall
05:00 – 05:10 PM	OP 1 - Amit Kumar Behera : REMOVAL OF RHODAMINE BLUE DYE FROM WATER USING POLANGA SEEDS DERIVED BIOCHAR THROUGH ADSORPTION TECHNIQUE		
05:10 – 05:20 PM	OP 2 - Dr. Mamta Tiwari : VRIKSHKOSH: APPLICATION OF GEOSPATIAL TECHNOLOGIES IN DEVELOPING CURATED MEDICINAL PLANT DATABASE		
05:20 – 05:30 PM	OP 3 - K. Venkateswara Rao : ARTIFICIAL INTELLIGENCE BASED GEOSPATIOTEMPORAL BIG DATA APPLICATIONS FOR SUSTAINABLE DEVELOPMENT		
05:30 – 05:40 PM	OP 4 - Vivek Kumar Pandey : SEASONAL AND INTERANNUAL VARIABILITY OF THE SEA SURFACE TEMPERATURE AND SEA SURFACE SALINITY OVER THE ARABIAN SEA		

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05:40 – 05:50 PM	OP 5 - Md Naseem Ahamad : EVALUATION OF LIQUEFACTION POTENTIAL OF SUB – SOIL SUSCEPTIBLE TO LIQUEFACTION USING STANDARD PENETRATION TEST (SPT) DATA	
05:50 – 06:00 PM	OP 6 - Sanyogita N. Berde : DRINKING WATER TREATMENT USING SWASTIIK TECHNOLOGY- APPLICATION OF FENNEL OIL FOREFFECTIVE WATER DISINFECTION	
06:00 – 06:10 PM	OP 7 - Komal Verma : ENHANCING INDUSTRIAL WASTEWATER TREATMENT THROUGH Fe ₃ O ₄ NANOPARTICLES-LOADEDACTIVATED CHARCOAL: DESIGN AND OPTIMIZATION FOR SUSTAINABLE DEVELOPMENT	
06:10 – 06:20 PM	OP 8 - Parul Dwivedi : OPTIMIZATION AND DESIGN MODELLING OF CHROMIUM (VI) ADSORPTION USING ULTRASONICATIONMETHOD THROUGH MILD OXIDIZED-UMCNOs BASED ADSORBENT BY RESPONSE SURFACEMETHODOLOGY	
06:20 – 06:30 PM	OP 9 - Aanchal Manuja : SUSTAINABLE TEXTILE FINISH FOR BETTER FUTURE THROUGH MICROENCAPSULATION	
06:30 - 06:40 PM	OP10: Deepak Kumar : CuO@Zn-BDC COMPOSITE SYNTHESIZED AND USED AS A PHOTO-CATALYST FOR DEGRADATION OF METHYLENE BLUE (MB) DYE	
POSTER PRESENTATION [Session Chair and Co-chair: Prof. Sergei Markov and Prof. Prashant Mishra]		
06:40 – 07:30 PM	PP 1:- Veeresh Verma : PHOTOCATALYTIC DEGRADATION OF CONGO RED DYE BY IODINE DOPED TiO ₂ NANOPARTICLES	Front Yard of Seminar Hall
	PP 2 - Sapna Kumari : SEWAGE TREATMENT PLANT’S SLUDGE HANDLING TECHNOLOGIES: AN OVERVIEW	
	PP 3 - Viniti Nagar : WATER QUALITY ASSESSMENT OF THE YAMUNA-DELHI STRETCH IN INDIA UTILISING A WATER QUALITYINDEX AND MULTIVARIATE STATISTICAL ANALYSIS	
	PP 4 - Archana Das : USE OF MICROBIOLOGICALLY INDUCED CALCIUM CARBONATE PRECIPITATION (MICP) AS A SOIL STABILIZER	
	PP 5 - Abdul Hameed Siddiqui : ASSESTMENT OF SOIL CONTAMINATION DUE TO HEAVY METALS: A CASE STUDY OF OKHLA INDUSTRIAL AREA, NEW DELHI	
	PP 6 - Md. Mumtaz Alama : PHYSIO-CHEMICAL CHARACTERIZATION OF MUNICIPAL SOLID WASTE DUMPED IN LANDFILL	
PARALLEL TECHNICAL SESSION VI	HEALTH Biotechnology: INVITED TALK (15 MIN. EACH X 4) [Session Chair & Co-chair: Prof. Bechan Sharma & Dr. Sameer Srivastava]	
04:00 – 04:15 PM	IT 1 - Bechan Sharma : EXPLORING MIS INSERTION AND MISINCORPORATION OF NUCLEOTIDES DURING CDNA SYNTHESIS BY HIV-1 RT: IMPLICATIONS IN DRUG RESISTANCE	LHC -III
04:15 – 04:30 PM	IT 2 - Manisha Sachan : DEVELOPMENT OF NOVEL MULTIPLEX METHYLIGHT ASSAY FOR EARLY DETECTION OF EPITHELIAL OVARIAN CANCER USING LIQUID BIOPSY	
04:45 – 05:00 PM	IT 3 - Tarun Kumar Bhatt: MALARIA SURFACE PROTEINS AS POTENTIAL VACCINE CANDIDATES (Online)	
	ORAL PRESENTATIONS (10 MIN. EACH X 4) [Session Chair & Co-chair: Prof. Abhay Kumar Pandey & Prof. Awadh Bihari Yadava]	
05:00 – 05:10 PM	OP 1 - Richa Tiwari : OPTIMIZATION OF WASTE TRANSFORMER OIL INTO VALUE ADDED PRODUCTS	
05:10 – 05:20 PM	OP 2 - Supriya Vaish : BIOLOGICAL DETOXIFICATION AND DEGRADATION OF SYNTHETIC DYE USING MANGROVE MICROBIAL COMMUNITIES	
05:20 – 05:30 PM	OP 3 - Vandita Anand : IDENTIFICATION OF LEAF DISEASE FROM DIGITAL MULTISAMPLING AND CLASSIFICATION USING SUPPORT VECTOR MACHINE CLASSIFIER	

28 October, 2023	05:30 – 05:40 PM	OP 4 - Rajnish Kumar Singh : OXIDATIVE TORREFACTION AND DENSIFICATION OF PADDY STRAW	
	POSTER PRESENTATION		
	[Session Chair and Co-chair: Prof. Sergei Markov and Prof. Prashant Mishra]		
	05:40 – 06:40 PM	PP 1 - Nishanthini Thangavelu : ENHANCING THE KEEPING QUALITY OF FRESH-CUT BRINJAL USING PROPYL GALLATE AND GALLIC ACID	Front Yard of Seminar Hall
		PP 2 - Jagannibas Choudhury : A FRAMEWORK FOR THE DEVELOPMENT OF STABLE PRODUCTION OF PLANTS THROUGH THE DETECTION OF PLANT DISEASE AND ITS RECOVERY USING MACHINE LEARNING MODELS	
		PP 3 - Himanshu Kachroo : EFFECTIVE VALORIZATION OF AGRICULTURAL RESIDUE USING TORREFACTION PRETREATMENT: BIO-COAL ANALYSIS	
PP 4 - Vanisree G S : WASTE BIOMASS VALORIZATION OF BETELNUT INFLORESCENCE AND RED LUCKY NUT SEED PODS: CHARACTERIZATION AND KINETIC			
PP 5 - Arijit Kumar Banerjia : UTILIZATION OF WASTE BOF SLAG IN POROUS CONCRETE PAVEMENT TO ENHANCE SUSTAINABILITY			
08:00 PM onwards	DINNER		Seminar Hall Ground

Date	Time	Event	Venue
	8:00 – 9:00 AM	Breakfast	
29 October, 2023	PARALLEL TECHNICAL SESSION VII	Emerging Trends in Biotechnology: INVITED TALK (15 MIN. EACH X 4) [Session Chair & Co-chair: Prof. Shanti Sundaram & Prof. M. P. Singh]	
	09:30 – 09:45 AM	IT 1 - Radha Rani: MICROBIAL FUEL CELLS: AN EMERGING TECHNOLOGY FOR SUSTAINABLE WASTE WATER TREATMENT AND GENERATION OF GREEN ELECTRICITY	Institute Seminar Hall
	09:45 – 10:00 AM	IT 2 - Anjana Pandey: OPTIMIZATION OF BIOHYDROGEN PRODUCTION FROM STARCH BY BACILLUS FIRMUS NMBL-03 USING BOX-BEHNKEN DESIGN MODEL OF RSM	
	10:00 – 10:15 AM	IT 3 - Ashutosh Pandey: PHOSPHORESCENT AND MAGNETIC (MULTI-MODAL) NANOCRYSTALS FOR BIOMEDICAL APPLICATIONS	
	10:15 – 10:30 AM	IT 4 - Dipesh S. Patle: MOO OF ALGAL BIODIESEL PROCESS RETROFITTED USING DIVIDING WALL COLUMN AND MULTISTAGE VAPOR RECOMPRESSION CONSIDERING ECONOMIC, ENVIRONMENTAL, AND SAFETY OBJECTIVES	
	10:30 – 10:45 AM	IT5: Tarak Mandal: A Sustainable Route for the Production of Renewable Hydrogen from Agricultural Residue	
	10:45 – 11:00 AM	IT6: Bhaskar Devu Mukri: METAL ION-DOPED METAL OXIDE NANOMATERIALS IN HETEROGENEOUS CATALYSIS	
		Keynote Talk 8	Institute Seminar Hall
	11:00 – 11:30 AM	Prof. Subrato Bhattacharya: COMPOUNDS WITH SN-S BONDS AND ITS APPLICATIONS	
	11:30 – 11:45 AM	TEA BREAK	
		Keynote Talk 9	
	11:45 – 12:30 PM	Prof. W. J. Parak: QUANTITATIVE UPTAKE AND FATE OF NANOPARTICLES BY/IN CELLS - AN IN VITRO STUDY	
	01:00 – 01:50 PM	LUNCH BREAK	
ORAL PRESENTATIONS (10 MIN. EACH X 7) [Session Chair & Co-chair: Prof. Vimal Katiyar & Dr. Dipesh S. Patle]			
	01:50 – 02:00 PM	OP 1 - Vineeta Rawat: ADVANCEMENTS IN VACCINE DEVELOPMENT AND DIAGNOSTIC TECHNIQUES: A COMPREHENSIVE RESEARCH REVIEW	Institute Seminar Hall
	02:00 – 02:10 PM	OP 2 - Bhaskar Banerjee: INVESTIGATING THE ANTI-CANCER POTENTIAL OF ORGANOSELENIUM-SUBSTITUTED SCHIFF BASE CRYSTAL STRUCTURE AND ITS CU(II) COMPLEX IN PANCREATIC DUCTAL ADENOCARCINOMA	
	02:10 – 02:20 PM	OP 3 - Sahar Fatima: SERUM URIC ACID AND RANDOM BLOOD SUGAR AS POTENTIAL CORRELATES OF HYPERTENSION	
	02:20 – 02:30 PM	OP 4 - Varun Bhatnagar: ELECTROCHEMICAL SENSOR FOR THE DETECTION OF AN ANTI-CANCER DRUG IMATINIB BASED ON METAL ORGANIC FRAMEWORKS AND GRAPHENE OXIDE NANOCOMPOSITES	
	02:30 – 02:40 PM	OP 5 - Aggin Maria James: AN ENVIRONMENTAL REGULATORY IMPACT ANALYSIS OF GREEN INFRASTRUCTURE FOR SUSTAINABLE CITIES IN INDIA	
	02:40 – 02:50 PM	OP 6 - Arun Kumar Sriram Pandeya: PROCESS PARAMETER OPTIMIZATION OF ELECTROCHEMICAL MACHINING PROCESSES USING THE RAO ALGORITHMS	
	02:50 – 03:00 PM	OP 7 - Divya: PROCESS OPTIMIZATION FOR HIGH-YIELD EXOPOLYSACCHARIDE PRODUCTION IN SYNECHOCOCCUS ALGAL CULTURE: A SUSTAINABLE APPROACH	
POSTER PRESENTATION [Session Chair and Co-chair: Prof. Sergei Markov and Prof. Prashant Mishra]			
	03:00 – 04:00 PM	PP 1 - Sambhrant Srivastava: CFD SIMULATION OF OPERATION THEATRE FOR COMFORT OF PATIENT	

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	PP 2 - Poornima Singh : BIOMEDICAL APPLICATIONS OF METAL ORGANIC FRAMEWORK COMPOUNDS	Front Yard of Seminar Hall
	PP 3 - Shrey Dwivedi : IN SILICO EXPLORATION OF NATURALLY-DERIVED BIOACTIVES AS POTENTIAL INDUCERS OF OLIGODENDROGLIAL TRANSDIFFERENTIATION OF STEM CELLS	
04:10– 04:20 PM	TEA BREAK	
PARALLEL TECHNICAL SESSION VIII	Online Presentations [Session Chair & Co-chair: Dr. Ashutosh Pandey & Dr. Soni Joseph]	
11:25 – 11:40 AM	IT 1 - Yogeesh N : MULTI-OBJECTIVE OPTIMIZATION OF WIRELESS NETWORK PARAMETERS USING FUZZY LOGIC	LHC-III
11:40 – 11:50 AM	OOP 1 - Abhilasha Agrawal : SDG 3- GOOD HEALTH AND WELL- BEING, AMELIORATING WOMEN’S HEALTH THROUGH SOCIAL MEDIA: A REVIEW	
11:50 – 12:00 PM	OOP 2 - Asma Iqbal : ROLE OF MACHINE LEARNING IN THE DESIGN OF CROP IRRIGATION SYSTEM	
12:00 – 12:10 PM	OOP 3 - Anupama Prasad : IDENTIFYING THE CURRENT TRENDS IN DESIGN AND DEPLOYMENT OF SOFTWARE IN AUTONOMOUS VEHICLE	
12:10 – 12:20 PM	OOP 4 - Ranjeet Singh Suryawanshi : A SMART CATALYTIC CONVERTER FOR MONITORING AND REDUCING VEHICULAR EMISSIONS USING IOT TECHNOLOGY	
12:20 – 12:30 PM	OOP 5 - Selva Sudha Arunachalam : INFLUENCE OF DIFFERENT IMMOBILISATION SUPPORT MATERIAL ON THE ENZYMATIC SYNTHESIS OF 3,4-DIHYDROXYPHENYLACETIC ACID ESTERS	
12:30 – 12:40 PM	OOP 6 - Loddabattu Bharath Rajua : NUMERICAL INVESTIGATION OF SOLAR AIR HEATER WITH THE INFLUENCE OF DIFFERENT ROUNDED CORNERS AND ARTIFICIAL ROUGHNESS IN TRIANGULAR DUCT	
12:40 – 12:50 PM	OOP 7 - Prabhu Kishore N : TRADE-OFF STUDY ON ENVIRONMENTAL-ECONOMICAL ASPECTS OF A REACTIVITY CONTROLLED COMPRESSION IGNITION ENGINE USING 1-HEXANOL AND JATROPHA OIL/DIESEL IN DUAL FUEL MODE	
12:50 – 01:00 PM	OPP 8 - Jerry Allwin : SUSTAINABLE IOT DEVICE TO ASSESS PREGNANT WOMEN TO OVERCOME MISCARRIAGES	
01:00 – 01:10 PM	OPP9 - Dristi Kumari : CONTROLLING OF AUTOMOBILE EXHAUST EMISSION USING ADSORPTION TECHNIQUE	
01:10 – 02:00 pm	LUNCH BREAK	
POSTER PRESENTATION [Session Chair and Co-chair: Prof. Sergei Markov and Prof. Prashant Mishra]		
02:00 – 03:00 PM	PP 1 - Arnab Debnath : PERFORMANCE OF SINGLE, DOUBLE AND TRIPLE HELIX PILES SUBJECTED TO STATIC TENSILE LOADS	Front Yard of Seminar Hall
	PP 2 – Utkarsh : EFFECT OF SAND MIXING ON THE GEOTECHNICAL PROPERTIES OF BLACK COTTON SOIL	
	PP 3 - Ajay Sharma : CRITICAL INSIGHTS INTO INDIAN ALUMINIUM INDUSTRIES: CARBON SCENARIOS, DECARBONIZATION MEASURES, AND ECONOMIC PERSPECTIVES	
	PP 4 - Shashank Chaudhary : ADVANCEMENTS IN ASH-BASED GEOPOLYMER CONCRETE: A COMPREHENSIVE OVERVIEW	
	PP 5 - Ayushi Biswas : STATUS REVIEW OF SUSTAINABLE MANAGEMENT OF CONSTRUCTION AND DEMOLITION WASTE IN INDIA	
	PP 6 - Argha Basu : FAST AND EASY NATURAL GAMMA-RAY SPECTROMETRY METHOD TO FIND PRESENCE OF EXPANSIVE SOIL LAYERS IN CIVIL FOUNDATION SITES FOR SAFE CONSTRUCTION PURPOSE	

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	PP 7 - S. Yuvaraj : A COMPREHENSIVE REVIEW ON GREEN INHIBITORS FOR CORROSION PROTECTION OF STEEL REINFORCEMENT IN REINFORCED CONCRETE MEMBERS	
	PP 8 - Maheshwari Sonker : ESTIMATION THE PERFORMANCE OF THE CONCRETE USING ARTIFICIAL NEURAL NETWORK	
	PP 9 - Adarsh Kushwaha : ANALYSIS OF DAMPING BEHAVIOR OF MULTI-LAYERED SANDWICH COMPOSITE WITH VISCOELASTIC CORE	
	PP 10 - Arijit Banerjia : PERFORMANCE EVALUATION OF PERVIOUS CONCRETE INCORPORATING MARBLE WASTE AND SILICA FUME	
	PP 11 - Veena Jha : A LITERATURE REVIEW ON ELECTRIC TWO-WHEELERS IN INDIA: SUSTAINABLE MEANS TO TRAVEL	
	PP 12 – Srushti S. Patil : A REVIEW: ADDITIVE MANUFACTURING PROCESS, CLASSIFICATION, POST PROCESS, POROSITY AND FATIGUE FRACTURE	
PARALLEL TECHNICAL SESSION IX	STRUCTURAL METHODS FOR SUSTAINABLE DEVELOPMENT	
	ORAL PRESENTATIONS (10 MIN. EACH X 10) [Session Chair & Co-chair: Prof. Rama Shankar Yadav & Dr. Nekram Rawal]	
02:00 – 02:15 PM	IT1: Praveen Kumar Agarwal : FAULT DIAGNOSIS OF HELICAL GEARBOX USING RANDOM FOREST AND ARTIFICIAL NEURAL NETWORKS	LHC-III
02:15 – 02:25 PM	OP 1 - Megha Vichare : OPTIMIZATION OF PROCESS PARAMETERS FOR ULTRASOUND-ASSISTED SOLKETAL SYNTHESIS USING SULFATED ZIRCONIA CATALYST	
02:25 – 02:35 PM	OP 2 - Swapan Paruya : GROWTH OF A TRANSLATING FLUID SPHERE IN A SUPERHEATED LIQUID– A REVISIT TO RUCKENSTEIN THEORY	
02:35 – 02:45 PM	OP 3 - Dheeraj Daniel : EVALUATING THE TECHNICAL EFFICIENCY OF DEBT MUTUAL FUNDS IN INDIA: AN EMPIRICAL ANALYSISUSING DATA ENVELOPMENT ANALYSIS (DEA)	
02:45 – 02:55 PM	OP 4 - Gajesh G. S. Usgaonkara : RANKING DUAL RESPONSE DOE SOLUTIONS IN SURFACE GRINDING USING GREEN CUTTING FLUID	
02:55 – 03:05 PM	OP 5 - Suruchi Sneha : EFFECT OF NEARBY EXCAVATION ON DIAPHRAGM WALL UNDER STATIC CONDITION	
PARALLEL TECHNICAL SESSION X	MANAGEMENT AND SOCIAL ISSUES: INVITED TALK (15 MIN. EACH X 3) [Session Chair & Co-chair: Prof. Geetika & Prof. Jyotsna Sinha]	
03:00 – 03:15 PM	IL 1 - Shailendra Mishra : NUTRITION AND LIFESTYLE	Institute Seminar Hall
03:15 – 03:30 PM	IL 2 - Geetika : SUSTAINABILITY FOR DEVELOPMENT	
03:30 – 03:45 PM	IL 3 – Anjana Pandey : STRESS MANAGEMENT	
	ORAL PRESENTATIONS (10 MIN. EACH X 5) [Session Chair & Co-chair: Dr. Dr. Jitendra N. Gangwar & Dr. Rakesh Kumar]	
03:45 – 03:55 PM	OP 1 - Divya Sharma : ENVIRONMENTAL CSR AND REPEAT PATRONAGE INTENTION: MEDIATING ROLE OF BRAND ATTITUDE	Institute Seminar Hall
03:55 – 04:05 PM	OP 2 - Mahendra Pal Singh : SOCIO-ECONOMIC IMPACT ON SPIRITUAL AND RELIGIOUS TOURISM IN INDIA	
04:05 – 04:15 PM	OP 3 - Shailendra Kumar Verma : IMPACT OF FOREIGN DIRECT INVESTMENT (FDI) ON INDIAN STOCK MARKETS	
04:15 – 04:25 PM	OP 4 - Ashish Patel : MANAGEMENT OF CYBER SECURITY: A REVIEW	
04:25 – 04:35 PM	OP 5 - Hanfiah Rahmana : FOSTERING A SUSTAINABLE WORKFORCE: EXPLORING THE RELATIONSHIP BETWEEN TECHNOSTRESS, WORK EXHAUSTION, AND WORK-FAMILY CONFLICT AMONG REMOTE WORKERS	
	POSTER PRESENTATION [Session Chair and Co-chair: Prof. Makov Sergei and Prof. Prashant Mishra]	
04:35 – 05:30 PM	PP 1 - Dipak Kumar Mandal : THE LEGACY OF PARTITION: A LITERARY PERSPECTIVE ON THE SDGS	

	<p>PP 2 - Shubhi Changani: MAPPING PAST, PRESENT, FUTURE OF CUSTOMER ENGAGEMENT IN ONLINE BRAND COMMUNITIES: A BIBLIOMETRICS ANALYSIS</p> <p>PP 3 - Anshu Gupta: INVESTIGATING RELATIONSHIP BETWEEN LIQUIDITY AND PROFITABILITY RATIOS OF IDBI BANK AND HDFC BANK</p> <p>PP 4 - Jyoti Singh: CUSTOMER LIFETIME VALUE PREDICTION AND CUSTOMER SEGMENTATION IN E-COMMERCE: AN ANALYSIS USING BG-NBD AND GAMMA-GAMMA MODELS</p>	
	<p>VALEDICTORY (5:30 PM onwards)</p>	<p>Institute Seminar Hall</p>
	Keynote Talk 10	
	Chief Guest: Dr. Virendra Kumar Gupta , Vice-President, Reliance Industries Ltd.: SUSTAINABLE TECHNOLOGY FOR ADVANCED MATERIALS	
	Guest of Honour: Prof. Rajeev Tripathi & Prof. Geetika	
6:00 PM onwards	High Tea	