



## Program schedule for ICONS 2024

<b>Day 1 – 15<sup>th</sup> October 2024</b>	
<b>Time</b>	<b>Program</b>
8:30 am – 9:20 am	<b>Registration</b>
9:20 am – 9:25 am	<b>Welcome note</b>
9:25 am – 9:30 am	<b>Invocation song and lighting of lamp</b>
9:30 am – 9:35 am	<b>Welcome Speech</b> by Dr. Asha Rajiv, Director – School of Sciences, JAIN (Deemed-to-be University)
9:35 am – 9:45 am	<b>Inaugural Speech</b> by Dr. Raj Singh Vice Chancellor, JAIN (Deemed-to-be University)
9:35 am – 9:45 am	<b>Mr. Ravindra Bhandari</b> Vice-President, JAIN (Deemed-to-be University)
9:50 am – 9:55 am	<b>Presidential Address</b> by Dr. Chenraj Roychand, Chancellor, JAIN (Deemed-to-be University) and President, Jain University Trust
9:55 am – 10:20 am	<b>Address by the chief guest</b> Dr. Mohanvelu K, Scientist - G Defence Bioengineering and Electromedical Laboratory
10:20 m – 11.00 am	<b>Key Note Address</b> Dr. Khalim Akhtar, Associate Professor. UAE University
11:00 am – 11:10 am	<i>MOU with Shankaranarayana Life Sciences</i>
11:10 am - 11:15	<b>Vote of thanks</b> Dr. Suhas Ballal, Convener, ICONS
11:15 am – 11:30 am	<b>Tea Break</b>
11:30 am – 12:10 pm	Parallel sessions Plenary talks
12:10 pm - 1:00 pm	Parallel sessions – Oral presentation
1:00 pm -2:00 pm	<b>Lunch</b>
2:00 pm - 3:30 pm	Parallel Sessions– Oral presentation
3:30 pm -5:30 pm	Poster session (with Coffee/Tea break )



<b>Day 2 – 16<sup>th</sup> October, 2024</b>	
<b>Time</b>	<b>Program</b>
9:30 am – 10:30 am	<b>Mind Management – Dr.Joonseon Yoon, Scientist Farm Hannong Co., Ltd., South Korea &amp; Team</b>
10:30 am – 11:10 am	<b>Keynote Address- Dr. Aravind Bhashyam, Technical advisor, Bureau veritas India</b>
11:15 am – 11:30 am	<b>Tea Break</b>
11:30 am – 12:10 pm	Parallel Plenary Talk
12:10 am – 1:15 pm	Oral Presentation / Poster Presentation
1:20 pm – 2:15 pm	<b>Lunch Break</b>
2:00 am – 2:40 pm	<b>Panel Discussion - 1</b>
2:50 pm – 3:30 pm	<b>Panel Discussion - 2</b>
4:00 pm – 4:30 pm	<b>Valedictory</b> <ul style="list-style-type: none"><li>• Award Ceremony</li><li>• Vote of Thanks - Convenor</li><li>• Feedback</li></ul>
4:30 pm onwards	High Tea

**PANEL DISCUSSION**

S.No.		PANELISTS	DESIGNATION
1	PANEL DISCUSSION-1	Dr. Laurel Simon Lobo	Principal Engineer Ola Electric, Bangalore
2		Ms. Brinda Jayasimha	Senior Strategy Consultant, IBM, Bangalore
3	PANEL DISCUSSION-2	Dr. Saritha Boya	Senior Consultant and Head, Environmental Management and Policy Research Institute Bangalore
4		Dr. Rakesh Chander	Assistant Professor (Psychiatry), NIMHANS
5		Dr. Sachin Eligar	Principal Scientist, Traditional Foods and Applied Nutrition Dept. Associate Professor, AcSIR CSIR-Central Food Technological Research Institute (CFTRI) Mysore, India



### Parallel Oral Sessions' Schedule

Theme	Earth and Environmental Sciences				
Day 1	15-10-2024	Session	Morning	Time	11:30 AM - 1:00 PM
Room No	405				
Time	Abstract ID	Title			
11:30 AM - 12:10 PM	<b>Plenary Talk</b>	Mr. Nagaraj Gangolli Director of Operations - Water Conservations at Vyakti Vikas Kendra, India			
12:10 PM- 12:20 PM	47	Multiple linear Regression modelling for predicting noise pollution			
12:20 PM - 12:30 PM	55	Exploring the Potential of Plant Probiotic Microorganisms for Advancements in Agriculture			
12:30 PM -12:40 PM	58	Mathematical Approaches to Optimize Crop Yield			
12:40 PM -12:50 PM	65	Stability Analysis of Satellites in LEO and Geo using IRNSS receiver			
12:50 PM -1:00 PM	152	Nature Connectedness and Climate Anxiety on Psychological Resilience among Young and Middle Adulthood			

Theme	Earth and Environmental Sciences				
Day 1	15-10-2024	Session	Afternoon	Time	2:00 PM - 3:30 PM
Room No	405				
Time	Abstract ID	Title			
2:00 PM - 2:10 PM	159	Lead stress and its effects on growth, antioxidant activity, and L-DOPA Production in Mucuna pruriens (L.) DC			
2:10 PM - 2:20 PM	174	Preliminary Roost Assessment of Sympatric Bats in an Abandoned Temple, Gaddige Matha, Sirsi, Karnataka, India.			
2:20 PM - 2:30 PM	191	Decolorization of Acid violet 43 and Direct Orange 7g/L using Bacillus pacificus isolated from textile industry effluent of Bangalore			
2:30 PM - 2:40 PM	204	Landmark Analysis of Time-to-Event Data: Unveiling Earthquake Patterns and Risks			
2:40 PM - 2:50 PM	208	Carbon Dioxide Sequestration Potential Of Tree Species Inhabiting The Botanical Garden Of Mangalore University Campus			
2:50 PM – 3:00 PM	210	Gene mapping of few selected putative behavioural genes from Apis mellifera using in silico approach			
3:00 PM – 3:10 PM	216	Physico-Chemical Analysis Of Wines And Their Economics produced from Fruits And Vegetable Wastes			



Theme	Earth and Environmental Sciences				
Day 2	16-10-2024	Session	Morning	Time	11:30 PM - 12:10 PM
Room No	405				
Time	Abstract ID	Title			
11:30 AM - 12:10 PM	<b>Plenary Talk</b>	<b>Mr. T. Balachandra, IFS.,(Retd.,)</b> Field Director of Bandipur Tiger Reserve			
12:10 PM - 12:20 PM	79	Study of Bioaccumulation of Arsenic in Plants near Hatti Industrial Area Raichur			
12:20 PM - 12:30 PM	217	Analyzing Climate Change Effects: A Comparison of ARIMA, SARIMA and Distributed Lag Models on Air Quality Index Changes and CO2 Emissions			
12:30 AM - 12:40 PM	221	Bioremediation of acrylonitrile using bacterial isolates from soil and water			
12:40 PM - 12:50 PM	232	Educational Ecosystems as Protected Areas of Biodiversity and Catalysts for Sustainable Development Goals			
12:50 PM – 1:00 PM	272	Advancing Traditional Medicine: Modern Techniques in Herbal Drug Discovery and Authentication			



Theme	Health and Well-Being				
Day 1	15-10-2024	Session	Morning	Time	11:30 AM - 1:00 PM
Room No	401				
Time	Abstract ID	Title			
11:30 AM - 12:10 PM	<b>Plenary Talk</b>	Dr. Anand Manoharan Scientific and Antibiotic Susceptibility Program Lead at GSK, Brentford, UK and based out of Worli, Mumbai.			
12:10 PM- 12:20 PM	13	Characterisation studies of mucus obtained from Pangasianodon hypophthalmus for its therapeutic potential			
12:20 PM - 12:30 PM	16	Inhibition of Autoinducing Peptides by Lactic Acid Bacteria: A Promising Strategy Against Enterococcus faecalis from saliva			
12:30 PM -12:40 PM	25	An Assessment Of The Smart Health Assistant: A Self- Diagnosis And Disease Forecasting System Driven By Artificial Intelligence			
12:40 PM -12:50 PM	50	Network structures, manifold learning and disease management			
12:50 PM -1:00 PM	76	The role of BMX in cancer stem cell state and ibrutinib sensitivity in pediatric high-grade glioma			
1:00 PM – 1:10 PM	78	Assessment of groundwater quality : a case study on Arkavati watershed region, Karnataka, India			

Theme	Health and Well-Being				
Day 1	15-10-2024	Session	Afternoon	Time	2:00 PM - 3:30 PM
Room No	401				
Time	Abstract ID	Title			
2:00 PM - 2:10 PM	85	Evaluation of Antiherbivoral, and Antibiofilm Activities in Trichomes of Coleus amboinicus and Solanum lycopersicum.			
2:10 PM - 2:20 PM	90	Characterization and Antibiotic Resistance Profiling of Extended Spectrum Beta- Lactamases (ESBL) Producing Bacteria in Clinical settings			
2:20 PM - 2:30 PM	92	Harnessing the power of bioactive mushrooms; Innovations in Anticancer Diagnostic and Therapeutic benefits			
2:30 PM - 2:40 PM	94	Isolation of yeast from forest soil and anti-bacterial activity of synthesized yeast-based nanoparticles.			
2:40 PM - 2:50 PM	99	Exploring the Antibiotic-Producing Potential of Marine Actinomycetes: A Focus on Optimization and Kirby Bauer's Methodology			
2:50 PM – 3:00 PM	124	Cyclophosphamide-induced oxidative stress in Platelets: Effect of N-acetylcysteine in vitro			
3:00 PM – 3:10 PM	125	Effects of Caffeic acid on platelets during storage			
3:10 PM – 3:20 PM	134	Screening of Pancreatic lipase inhibitors from endophytic fungi			
3:20 PM – 3:30 PM	160	Maternal Health Care Service Utilization among Tribal Women in Northeast India: Trends and Determinants			



Theme	Health and Well-Being				
Day 2	16-10-2024	Session	Morning	Time	11:30 PM - 12:10 PM
Room No	401				
Time	Abstract ID	Title			
11:30 AM - 12:10 PM	<b>Plenary Talk</b>	<b>Dr. Rajeev Aravindakshan</b> Professor and Head, Dept. of Community & Family Medicine, AIIMS, Mangalagiri			
12:10 PM - 12:20 PM	167	Somatoscopic And Comparative Study On Cephalic And Facial Indices Among Twins From Kodinhi (Village Of Twins)			
12:20 PM - 12:30 PM	183	Dermatoglyphics- a biomarker for predicting Myopia			
12:30 AM - 12:40 PM	189	Synthesis, characterization, and in silico studies of some thiazoles			
12:40 PM - 12:50 PM	196	Synthesis, characterization, and in silico studies of pyrrole-coupled with some phenacyl bromide derivatives			
12:50 PM – 1:00 PM	205	Survival Probabilities of COVID-19 Patients: Insights from Length of Hospital Stay			



Theme	Innovation and Technology for Sustainability -1				
Day 1	15-10-2024	Session	Morning	Time	11:30 AM - 1:00 PM
Room No	Conference Hall				
Time	Abstract ID	Title			
11:30 AM - 12:10 PM	<b>Plenary Talk</b>	Dr. Md. Aksam Principal Data Scientist Securin, Bangalore			
12:10 PM- 12:20 PM	14	Optimizing Speech and Language Therapy for Children with Autism Using AI and Prosodic Pattern Analysis			
12:20 PM - 12:30 PM	17	Sustainable synthesis of Schiff Base Ligand involving Green Technology			
12:30 PM -12:40 PM	26	Green synthesis of ZnO/Ag nanocomposites using Gracilaria algal extract and its application in dye degradation.			
12:40 PM -12:50 PM	53	Magnetic Studies of Sr and Sn Doped BaFe <sub>12</sub> O <sub>19</sub> Nanoparticles: Sustainable Synthesis for Spintronics Applications			
12:50 PM -1:00 PM	57	Systematic Literature Review for Marathi Digit Recognition using EEG Signal			

Theme	Innovation and Technology for Sustainability -1				
Day 1	15-10-2024	Session	Afternoon	Time	2:00 PM - 3:30 PM
Room No	Conference Hall				
Time	Abstract ID	Title			
2:00 PM - 2:10 PM	61	Solar Maximum Power Point Tracking Techniques: An Overview			
2:10 PM - 2:20 PM	62	An Innovative Questionnaire-Based Model for Predicting New Addiction			
2:20 PM - 2:30 PM	72	Automatic Image And Video Caption Generation With Deep Learning: A Review			
2:30 PM - 2:40 PM	77	Biopolymeric chitosan-alginate nanogel material for optimized drug delivery of curcumin at gastro- intestinal environment in-vitro			
2:40 PM - 2:50 PM	102	Effective Mosquito Control from Bacillus thuringiensis, supports public health, environmental sustainability, and improved quality of life			
2:50 PM – 3:00 PM	114	Microalgae: "A Sustainable Solution for Producing Biobased Products"			
3:00 PM – 3:10 PM	122	Production Of Biofuel From Dictyosphaerium Ehrenbergianum, Chlorella Sorokiniana And Mougeotia Gracillima			
3:10 PM – 3:20 PM	128	Development Of Nano Adsorbents From Agricultural Wastes And Their Application In Mitigation Of Organic, Inorganic Pollutants From Industrial Effluents			





Theme	Innovation and Technology for Sustainability -1				
Day 2	16-10-2024	Session	Morning	Time	11:30 PM - 12:10 PM
Room No	Conference Hall				
Time	Abstract ID	Title			
11:30 AM - 12:10 PM	<b>Plenary Talk</b>	Ms. Vijayavanitha S, Professor, (Manipal Academy of Banking and Financial services Institute) Vice President (ISACA, Bangalore Chapter)			
12:10 PM - 12:20 PM	138	Utility Of Biogenic Silicon Nanoparticles In Crop Nutrition And Protection			
12:20 PM - 12:30 PM	150	An Analysis of Fast Charging System for Electrical Vehicles			
12:30 AM - 12:40 PM	163	Generation Ideal Quantum Entanglement State Requires Infinite Three Mode Squeezing			
12:40 PM - 12:50 PM	165	Harnessing Machine Learning and Artificial Intelligence for Omics Data Analysis			

Theme	Innovation and Technology for Sustainability - 2				
Day 1	15-10-2024	Session	Morning	Time	11:30 AM - 1:00 PM
Room No	Computer lab (Ground floor)				
Time	Abstract ID	Title			
11:30 AM - 12:10 PM	<b>Plenary Talk</b>	Dr. Md. Aksam Principal Data Scientist Securin, Bangalore			
12:10 PM- 12:20 PM	176	Advancements in Hybrid Nanostructures Development			
12:20 PM - 12:30 PM	182	An overview of Internet of Things and Applications			
12:30 PM -12:40 PM	195	Digital Identity Using Blockchain : A Review			
12:40 PM -12:50 PM	200	Machine Learning-Driven Analysis of MXene Research: Trends, Applications, and Future Directions in 2D Materials			
12:50 PM -1:00 PM	211	Technological Innovation In Digital Payments: A Survey Of Trends, Challenges, And Opportunities.			

Theme	Innovation and Technology for Sustainability - 2				
Day 1	15-10-2024	Session	Afternoon	Time	2:00 PM - 3:30 PM
Room No	Computer lab (Ground floor)				
Time	Abstract ID	Title			
2:00 PM - 2:10 PM	212	Development Of An Online Retail Recommendation System.			
2:10 PM - 2:20 PM	218	AI-Driven Smart Traffic Enforcement: Enhancing Road Safety with Real-Time CCTV Monitoring			



2:20 PM - 2:30 PM	230	Synthesis, Structural, Electrical properties and Electromagnetic Shielding Effectiveness Studies on PVA/PEG-PANI@WO <sub>3</sub> Polymer-nanocomposite film
2:30 PM - 2:40 PM	231	Gesture based home automation using FPGA
2:40 PM - 2:50 PM	245	Design and Development of a Novel Industrial Automation System Using Arduino Microcontroller
2:50 PM – 3:00 PM	246	Photocatalytic activity of Vanadium Oxide nanoparticles synthesized using Citrus maxima fruit peel extract, against Malachite Green dye
3:00 PM – 3:10 PM	248	Pectin/Kappa-carrageenan/ZnO Nanocomposite bio-film as Food packaging material
3:10 PM – 3:20 PM	253	Sustainable Fabrication of CeO <sub>2</sub> /Rgo Nanocomposites Using Reflux Methodology: Comprehensive Characterization and Structural Analysis

Theme	Innovation and Technology for Sustainability -2				
Day 2	16-10-2024	Session	Morning	Time	11:30 PM - 12:10 PM
Room No	Computer lab (Ground floor)				
Time	Abstract ID	Title			
11:30 AM - 12:10 PM	Plenary Talk	Ms. Vijayavanitha S, Professor, (Manipal Academy of Banking and Financial services Institute) Vice President (ISACA, Bangalore Chapter)			
12:10 PM - 12:20 PM	256	The Role of AI and IoT in Enhancing Food Security and Sustainable Agriculture			
12:20 PM - 12:30 PM	262	Study on some rare-earth doped halides For optical applications			
12:30 AM - 12:40 PM	265	Gesture control and home automation			
12:40 PM - 12:50 PM	268	Impact of Pr 3+ on structural, electrical and magnetic properties of Mg-Zn nanoferrites			



Theme	Food and Nutrition				
Day 1	15-10-2024	Session	Morning	Time	11:30 AM - 1:00 PM
Room No	406				
Time	Abstract ID	Title			
11:30 AM - 12:10 PM	<b>Plenary Talk</b>	Dr. D. N.Das, Principal Scientist & I/C Dairy Production Section. Dairy Production Section Southern Regional Station ICAR-National Dairy Research Institute, Bangalore			
12:10 PM- 12:20 PM	12	Essential Oils and Their Role in Sustainable Cotton Pest Management			
12:20 PM - 12:30 PM	19	Characterization and antibiotic susceptibility profile of bacteria isolated from seafoods sold in coastal cities of India			
12:30 PM -12:40 PM	23	Optimisation and Purification of the Galactosidase Enzyme from Almond ( <i>Prunus dulcis</i> ): A Study on Process Parameters and Purification Techniques			
12:40 PM -12:50 PM	41	Revisiting thermogenic compounds with prebiotic potential; Exploiting the Gut-BAT axis			
12:50 PM -1:00 PM	73	Exploring the Therapeutic Potency of <i>Buchanania lanzan</i> Spreng: A Study on Phytochemicals Quantification, Assessment of Antioxidant Alpha-Amylase Inhibitory Properties			

Theme	Food and Nutrition				
Day 1	15-10-2024	Session	Afternoon	Time	2:00 PM - 3:30 PM
Room No	406				
Time	Abstract ID	Title			
2:00 PM - 2:10 PM	97	Liquid Chromatography Mass Spectrometry and High performance liquid chromatography with fluorescence detection of aflatoxins from bakery food products			
2:10 PM - 2:20 PM	117	Influence of seed priming with calcium compounds on the growth and performance of <i>Vigna radiata</i> (L).R.Wilczek in NaCl stress conditions			
2:20 PM - 2:30 PM	123	Food Technology: Evolution, Core Areas, and Global Impact on Nutrition and Sustainability			
2:30 PM - 2:40 PM	127	Abiotic Stress Mitigation Strategies for Enhancing Crop Resilience in a Changing Climate			
2:40 PM - 2:50 PM	136	Evaluation of bacterial isolates with bioremediation potential for plant growth promotion traits in millets.			



Theme	Food and Nutrition				
Day 2	16-10-2024	Session	Morning	Time	11:30 PM - 12:10 PM
Room No	406				
Time	Abstract ID	Title			
11:30 AM - 12:10 PM	<b>Plenary Talk</b>	Dr. Gurumurthy Principle Scientist, ITC, Bangalore			
12:10 PM - 12:20 PM	185	Assessment Of Knowledge, Attitude, And Practice Of Mothers/Caregivers On Child Feeding Practices Among The Chakhesang Naga Tribe Of Northeast, India			
12:20 PM - 12:30 PM	188	Socio-Cultural Beliefs Influence the Dietary Practices of Mothers and Children in The Chakhesang Tribe of Northeast India			
12:30 AM - 12:40 PM	226	Biostimulants and their role in plant growth			
12:40 PM - 12:50 PM	269	Efficacy of Heterorhabditis indica, Mass multiplied on Bombyx mori. L as potential biocontrol agent against Holotrichia consanguinea.			