



## XVI ASC - Poster Codes

### Theme 1: Ensuring Food & Nutritional Security: Production, Consumption and Value Addition

#### Session 1: Problem of Malnutrition in India

SI No.	Abstract Title	Author	Poster Code
1	Addressing Malnutrition In North East India: Strategies And Solutions For A Healthier Future	Narmada Hid	T1S1-01
2	COVID-19 pandemic impact on Fish consumption paradigms across Kerala	ATHIRA N R	T1S1-02
3	Clam ( <i>Tegillarca granosa</i> ) blood exudate powder- recommended as a micronutrient-rich supplement to address hidden hunger	Asha K K	T1S1-03
4	Empowering Fisherfolk Communities for Sustainable Health Practices and Consumption: A Path to Food & Nutritional Security	Revanth Raj	T1S1-04
5	ICAR-CIAE process technologies for entrepreneurship of women through processing and value addition of millets	Dipika Agra	T1S1-05
6	Pre-breeding for Biofortification in wheat ( <i>Triticum aestivum</i> L.)	Bhudeva Sin	T1S1-06
7	Spatio- Temporal Analysis of Marine fish Valuation in India – Insights and Perspectives	SHYAM S SAL	T1S1-07

#### Session 2: Farm and Food-based Strategies for Combating Hidden Hunger

1	The contributions of agricultural interventions to food security- A comprehensive review	S M Bambh	T1S2-01
2	Enhancing Food and Nutritional Security of Tribal farmers - A Successful Model under Farmer FIRST Programme	P Moovenantha	T1S2-02
3	Phenolic antioxidant-linked Health Promoting Properties of Tree Bean ( <i>Parkia roxburghii</i> ) plant parts	Lokesh Kuma	T1S2-03
4	Journey of Indian Wheat and Roadmap for Improvement	Gyanena S	T1S2-04
5	Identification of High Yielding Biofortified wheat genotypes in Advanced Breeding Lines	Chana Nat	T1S2-05
6	Landraces and wild species to widen the genetic pool for crop improvement.	Divya Balak	T1S2-06
7	Growth and yield of quinoa as influenced by different date of sowing, crop geometry & nitrogen levels under sodic waste land condition	Devena Si	T1S2-07
8	Resistance Prevalence and Antioxidant Enzyme Alterations in <i>Tribolium castaneum</i> (Herbst) against Phosphine Toxicity	Satyapriya	T1S2-08
9	ADD -ONS TO COASTAL LIVELIHOODS: DOES IT BRING HOME THE BACON? COLLATIONS FROM GUJARAT, INDIA	Swathi lekshmi	T1S2-09
10	Curvularia leaf spot -Re-emerging disease of maize: Status and Perceptions	MUKESH KUMA	T1S2-10
11	Screening of potential biocontrol agents against important seed borne plant pathogens of field crops	Banoth Vine	T1S2-11

12	New diseases in sugarcane germplasm at Kannur	R Gopi	T1S2-12
13	Nutribars from Nutricereals: A Holistic Approach to Address Malnutrition and Promote Sustainable Nutrition	Beenu Tanwa	T1S2-13
14	Barley: A Potent Harbinger to Good Health	Om Vir Sing	T1S2-14
15	Double emulsion encapsulated Emblica officinalis extract reduces the high fructose diet induced metabolic dysfunctions in rats	Shaik Abdul	T1S2-15
16	Nutri-SMART Village by KVKs – A Pathway for Nutrition Security in Central India	Shyam Ranja	T1S2-16
17	Utilizing Natural Genetic Diversity for Micronutrient Enhancement in Nutri-cereal Pearl Millet	Nirupma Sin	T1S2-17
18	Exploring the economic viability of fishing crafts and gears: Essaying reflections from marine fisheries harvest from South-East coast of India	Swathi lekshmi	T1S2-18

### Session 3: Resource Efficient, Environment Friendly Production of Pulses

1	Impact of supplementation of an antioxidant-rich extract of seaweed Eucheuma denticulatum on feed efficiency, serum antioxidant status, immune response, gut pathogen count, and expression of intestinal and hepatic genes in broiler chickens	Shyam Sunda	T1S3-01
2	Development of core set from a large diverse rice (Oryza sativa L.) landraces population panel using agronomic data	Padma Thaku	T1S3-02
3	Evaluation of BNI introgressed lines and trait incorporation in Indian wheats	Chana Nat	T1S3-03
4	Assessing Peroxide Levels and Oxidative Stress Induced by Fish Oil Supplements: Implications for Product Quality and Cellular Health	Vishnu K V	T1S3-04
5	Hybrid wheat development: Progress and challenges	Vishnu Kuma	T1S3-05
6	Influence of foliar application of 'PGR' and Nutrients for enhancing the productivity of soybean under Rainfed condition'	K N Pawar	T1S3-06
7	Optimum soil moisture regime during different phenological growth stages of Thompson Seedless (Vitis vinifera) grape	S D Shikham	T1S3-07
8	Mass seed production and rearing of small indigenous fish mola carplet (Amblypharyngodon mola) to promote nutrition-sensitive aquaculture	Rashmi Ranj	T1S3-08
9	Induced breeding and mass seed production of pool barb (Puntius sophore) – a nutrient-dense small indigenous fish species in Assam	Kalpajit Go	T1S3-09
10	Elucidating the genetic variability for grain zinc and iron content among indigenous wheat germplasm	Sawan Kumar	T1S3-10
11	Tropical Chlorophyten seaweeds as potential storehouse of nutritional and bioactive properties	Shilpa K Pa	T1S3-11
12	Climate Resilient Sugarcane Production for Sustaining Food and Energy Security in India: Future Road map and Policies	Lal S Gangw	T1S3-12
13	Development and Quality Assessment of Millet-Legume Based Vermicelli	Durga Priya	T1S3-13
14	Comparative advantage of zero tillage over conventional tillage for potato in rice – potato cropping system	Shiv Pratap	T1S3-14

15	Comparative advantage of soil test based NPK applications over their recommended doses in potato under rice – potato cropping system	Raj Kumar S	T1S3-15
16	Augmenting Production Potential and Profitability of Pulses through Cluster Frontline Demonstrations in North East Region, India	Rajesh Kuma	T1S3-16
17	Single and multi-nutrient deficiencies of sulphur and micronutrients in soils of India	Sanjib Kuma	T1S3-17
18	Host preference of shoot fly on different minor millets: a way for management through crop diversification	Gouri Shank	T1S3-18
19	Maize as ethanol feedstock: Prospects and strategies in India	HS Jat	T1S3-19
20	Nutri cookies and cakes sweetened with sugarcane raw sugar (Jaggery)	K Chanan	T1S3-20
21	Effect of biofertilizers and levels of lime on linseed ( <i>Linum usitatissimum</i> L.) under custard apple ( <i>Annona squamosa</i> L.) based agri-horti system on Vindhyan soil	Prof J K Singh	T1S3-21
22	Response of liquid biofertilizer and their mode of application on yield and economics of finger millet ( <i>Eleusine coracana</i> L.)	Kaushal Kis	T1S3-22
23	Enhancing chickpea productivity through post-emergence herbicides for comprehensive weed management	V K Choudh	T1S3-23
24	Integrated Farming System Approaches for Sustainable Intensification, Livelihood Security and Diversification of Coastal Agriculture	Parveen Kumar	T1S3-24
25	Technological developments in sugarcane for value addition and product diversification	SURESHA GIR	T1S3-25
26	Antimicrobial effects of chitosan-henna leaf extract on selected plant pathogens	Nayana Asok	T1S3-26
27	Millet, a potential crop of organic farming for climate resilience and nutritional security in Himalayan Ecosystem	Jayanta Lay	T1S3-27
28	From Nuisance to Nutrition: Unmasking the seed-specific genes contributing to Raffinose Family Oligosaccharides accumulation in peanuts ( <i>Arachis hypogaea</i> L.) via transcriptomic-based approach	SUJIT KUMAR	T1S3-28
29	Insecticidal and repellent activities of essential oil from the leaves of <i>Callistemon lanceolatus</i> to control pulse beetle, <i>Callasobruchus chinensis</i>	Berin Pathr	T1S3-29
30	Bioefficacy of essential oil extracted from wild turmeric ( <i>Curcuma aromatica</i> Salisb) leaves waste against a major secondary storage pest, <i>Tribolium castaneum</i>	Berin Pathr	T1S3-30
31	Effect of polyhalite application on maize yield, nutrient use efficiency and soil properties in semiarid Alfisols	Sumanta Kun	T1S3-31
32	Flavoured RTS Beverage from Coconut Haustorium	Radhakrishnan	T1S3-32
33	Chemical composition, insecticidal activities of essential oil of <i>Alpinia calcarata</i> (Haw.) Roscoe rhizome against Red flour beetle, <i>Tribolium castaneum</i>	Berin Pathr	T1S3-33
34	Molecular mapping of nutritional traits in synthetic hexaploid wheat ( <i>Triticum aestivum</i> L.) population using a high-density SNP-based linkage map	vasudha Jad	T1S3-34

35	Low protein and high lipid diet: Effect on nitrogenous waste production of GIFT fingerlings reared in recirculatory aquaculture system	Vijayakumar	T1S3-35
36	Integrated Farming System: Way of nutritional and economic security of small farmers	Sunil Kumar	T1S3-36
37	PRELIMINARY ASSESSMENT OF YIELD AND NUTRITIONAL PROPERTIES OF COCONUT CABBAGE (HEART OF PALM) IN SELECTED COCONUT (COCOS NUCIFERA L.) ACCESSIONS	s Ranjini T N	T1S3-37
38	Technological interventions for enhancing farmers income and productivity: A case study in Bihar	Rohan Kumar	T1S3-38
39	Blending millets and legumes with wheat for food products with enhanced nutritional potential	Anuj Kumar	T1S3-39
40	Banana biodiversity for food and nutritional security	R Selvaraja	T1S3-40
41	Soil test based balanced nutrient application in little millet ( <i>Panicum sumatrense</i> ) for lateritic soils of Tamil Nadu	Sanjay Sriv	T1S3-41
42	Evaluation of various insecticides against Mustard aphid, <i>Lipaphis erysimi</i> (Kaltenbach) in Mustard crop	Dewa Ram Ba	T1S3-42
43	Cold Anaesthetization of <i>Litopenaeus vannamei</i> for Waterless Transportation	Parvathy U	T1S3-43
44	DECIPHERING THE REGULATION OF NUTRITIVE VALUE AND DROUGHT STRESS RESPONSE IN <i>MORINGA OLEIFERA</i> THROUGH GENOMIC APPROACH	P Sushree S	T1S3-44

## Theme 2: Climate action for Sustainable Agri-food Systems

Sl No.	Abstract Title	Author	Poster Code
1	Impact of climate change on food and nutrition security: Evidence and research gaps	C A Rama Ra	T2-01
2	Integrated Multi-Trophic Aquaculture (IMTA): Economic prosperity and environmental sustainability through the integration of cage fish farming and seaweed mariculture	JOHNSON B	T2-02
3	Low-salinity induced alterations in transcriptome in Indian White Shrimp ( <i>Penaeus indicus</i> )	J RAYMOND	T2-03
4	Utilisation of forecasts for enhanced preparedness & suitable crop planning	KV Rao	T2-04
5	Mapping the climate change induced physical hazards along the coastal districts of India	Reshma Gills	T2-05
6	Harnessing <i>Asparagopsis taxiformis</i> : A promising red macroalga for methane mitigation and its prospects for seaweed farming to reduce dairy farm carbon footprints	K S SOBHANA	T2-06
7	In Vitro Characterization and functional validation of plant-growth-promoting and stress-tolerant soil bacteria to improve the yield and salt resistance of rice	Ajit Ghosh	T2-07
8	Resilience index of Vembanad lake fishery	Thankam The	T2-08
9	Effects of high water temperature stress on physiological profiles of <i>Labeo rohita</i> , <i>Labeo calbasu</i> and <i>Labeo bata</i> in context of global warming	Satish Kum	T2-09
10	Can Fishing Holidays be part of Just Transition in Marine fisheries? An exploratory study across all coastal states in India	SHYAM S SAL	T2-10

11	Impacts of ENSO events on ocean-atmospheric parameters and selected marine fish resources along the Gujarat coast	Shelton Pad	T2-11
12	Breeding durable Root and stem rot-resistant sesame genotypes	K N Gupta	T2-12
13	Phenotypic evaluation of traditional rice landraces for root traits	Reena Sella	T2-13
14	Weather based Technological Interventions in Integrated Farming System for Reducing Cost of Cultivation and Climate Risk	Mohammad Sh	T2-14
15	Symbiotic associations in diatoms and dinoflagellates in oligotrophic waters along the inshore waters off Kochi and Dakshina Kannada, South West Coast of India	Lavanya Rat	T2-15
16	Soil microbial community and potential methane production under various vegetations of coastal area of Gujarat	Doongar R C	T2-16
17	Climate smart technologies to enhance water productivity in wheat at farm level	RAJ PAL MEE	T2-17
18	Effect of in-situ rice residue management practices on wheat productivity, profitability and soil health at graded N levels in North-West India	S C Tripath	T2-18
19	Bloom occurrence of a rare and harmful dinoflagellate, Scripsiella trochoidea in the coastal waters off Kochi during the late summer monsoon of 2021 and its impact on the phytoplankton community structure	Reena V Joseph	T2-19
20	Identification of stable short duration genotypes for introducing Finger Millet in Summer season in Bihar	Sweta Mishr	T2-20
21	Projecting the Spatial Distribution of Major Marine Fishery Resources along the West Coast of India under Varying Climate Change Scenarios	Rose P Bright	T2-21
22	Influence of Major Environmental Drivers on Select Marine Fishery Resources of the SE Region of India	ALPHONSA JO	T2-22
23	Impact of Cyclones on Marine Fisheries in the Arabian Sea: A Comparative Study between Ockhi and Tauktae	NANDA KISHOORE	T2-23
24	Unveiling the Natures' Alchemy: Estimation of Blue Carbon Sequestration Potential of Mangroves in Kerala	RAHUL R	T2-24
25	Integrated Assessment of Fishing and Environmental Drivers on the Sustainability of Threadfin Breems (Nemipterus spp.) in the South Eastern Arabian Sea	Radhika Bal	T2-25
26	Species distribution Modelling for Evaluating the habitat suitability of Patagonian Toothfish in the Southern Ocean	Vishnu CB	T2-26
27	Unveiling Climate-Resilient Coral Conservation Zones in India: Fostering Fisheries Sustainability	Niya Joseph	T2-27
28	Invasion of Corallimorpharians: Assessing Competitive Success over Corals in Lakshadweep's Shallow Reefs	Alvin Anto	T2-28
29	Analyzing Vegetation Changes in Kerala Forests: Effects of Temperature and Rainfall using Google Earth Engine	Adithya Chana	T2-29
30	OPPORTUNITIES IN BIG DATA ANALYTICS AND ICTs TO ACCELERATE CLIMATE ADAPTATION	Sudhanshu S	T2-30
31	INDEX-BASED INSURANCE – A STEP TO STRENGTHEN RESILIENCE OF FISHING SECTOR IN THE BAY OF BENGAL AMIDST CLIMATE SHIFTS	Sri Hari M	T2-31

32	Temperature and moisture dependent virulence of the entomopathogenic nematodes against larval and pupal stages of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae)	Jagadeesh P	T2-32
33	Waterlogging tolerance in cassava: morphological traits, yield, proline content, and catalase activity	V Arunachal	T2-33
34	Variety x Landrace derived Recombinant Inbred line population reveal high genetic variability and transgressive segregants for grain yield and attributing traits in rice	Manohara KK	T2-34
35	A novel coupled approach (AquaCrop-Economic Model) to explore future climate response to food security	V S Maniva	T2-35
36	Biochemical analysis and antioxidant activity of shrubs under hot arid condition	Mahesh Kuma	T2-36
37	Climate Smart Technologies in the Rice based Farming System of Kumarakom	Jayalekshmi	T2-37
38	DEVELOPMENT OF DROUGHT TOLERANT MULBERRY GENOTYPES FOR RAINFED SERICULTURE	SURESH K	T2-38
39	Effect of zinc nano particle on physiology of finger millet [ <i>Eleusine coracana</i> (L.)] under saline condition	Shailesh Ku	T2-39
40	Transcriptome dynamics under waterlogging stress in tropical maize ( <i>Zea mays</i> L.)	Bhupena K	T2-40
41	Climate Resilience :Plant Breeding Perspective	Ajaz Ahmad	T2-41
42	Multiple indices-based selection of functional traits and elite mustard genotypes for cultivating salt affected soils	Ravikiran K	T2-42
43	Mapping land availability and potential bioenergy feedstocks for India	Amit Kushwa	T2-43
44	How Does Incorporating Atmospheric CO <sub>2</sub> Concentration into FAO Penman-Monteith Equation Change Reference Evapotranspiration for Future Climate Conditions Projected Over India?	Sruthi Sure	T2-44
45	Yield and Yield attributes of various foxtail millet ( <i>Setaria italica</i> L.) cultivars under Western Zone of Tamil Nadu	Gobikashri	T2-45
46	Development of a common multi-parental population as genetic resource for mitigating heat and drought stress in wheat	Satish Kuma	T2-46
47	Evaluation of Yr-gene introgressed wheat lines for morpho-physiological and yield traits	Rajitha Nai	T2-47
48	Trends in surface weather parameters of coastal India and implications for brackishwater aquaculture	KUMAR C	T2-48
49	Vermicomposting with poultry litter and its effect on crop yield – Wealth out of Waste	Ramakrishna	T2-49
50	A comparative analysis of energy use, carbon footprint and related environmental burdens of different fishing systems through Life Cycle Assessment approach	Paras Nath	T2-50
51	Effect of improved staking method with plastic mulching for tomato cultivation in kharif season	SUCHISMITA	T2-51
52	Present status of Sesame diseases and their integrated management using indigenous practices	K N Gupta	T2-52
53	Quantifying Dry Spell Dynamics for Sustainable Rainfed Agricultural Production Systems	SANTANU KUM	T2-53



54	Assessment of in-situ residue management on carbon mineralization and soil physico-chemical properties in rice-wheat system	AIT LAL M	T2-54
<b>Theme 3: Frontier Science and emerging genetic technologies: Genome Breeding, Gene Editing</b>			
<b>Session 1: Advances in Genomics and CRISPR-Cas Systems for Crop Improvement</b>			
SI No.	Abstract Title	Author	Poster Code
1	OsPSTOL gene-driven adaptive alterations: Comparative transcriptomic study of Pusa44 and its Pup1 introgressed NIL	Aita Thom	T3S1-01
2	Identification of novel putative alleles conferring resistance to wheat rusts using genome-wide association study	Hanif Khan	T3S1-02
3	IDENTIFICATION OF INBREDS POSSESSING FAVOURABLE ALLELES FOR GENETIC IMPROVEMENT OF GRAIN YIELD AND YIELD COMPONENTS IN MAIZE (Zea mays L. )	SABITHA NAG	T3S1-03
4	Comparison of genomic prediction models in genomic selection for leaf, stem and yellow rust resistance at seedling and adult plant stage in bread wheat (Triticum aestivum L.)	VIKAS VK	T3S1-04
5	sRNAseq identifies known and novel miRNAs in drought tolerance in Black Pepper (Piper nigrum L)	Sona Charle	T3S1-05
6	Genome-assisted breeding for the Integration of triple rust-resistant genes to fast-track improvement for disease resistance in Bread wheat (Triticum aestivum L.)	PRASHANTH B	T3S1-06
7	A comparative study on sugar-related transcripts in sugarcane hybrid, Co 11015, and progenitor species S. officinarum and S. spontaneum	Afseena A	T3S1-07
8	Validation of KASP markers associated with foliar blast resistance in Pearl millet delineated through GWAS and biparental mapping approaches	MUKESH SANK	T3S1-08
9	Genome wide SNP discovery and annotation in Gir breed of cattle	T V Raja	T3S1-09
10	Artificial Intelligence for CRISPR/Cas9 off-target prediction in Crop Plants	Sanjeev Kum	T3S1-10
11	CRISPR/Cas9-RNP-Mediated MSTN Gene Editing in Buffalo Fibroblasts: Unlocking Growth Potential for Enhanced Meat Production	Dharmena	T3S1-11
12	Genetic analysis of pre-weaning growth rate and efficiency-related traits in inter-cross sheep	Rajni Chaud	T3S1-12
13	Molecular cytogenetic analysis to unravel the genome architecture of modern sugarcane cultivars	SOBHAKUMARI	T3S1-13
<b>Session 2: Application of CRISPR-Cas Systems for Crop Improvement and Sustainable Development</b>			
1	CRISPR Cas9 based starch modifications in cassava paving way to futuristic based industries	Krishna Rad	T3S2-01
2	CRISPR/Cas9-mediated lignin modification in Sugarcane towards improved lignocellulosic biofuel production (Session Presentation)	Lakshmi Kas	T3S2-02
3	Delineating the molecular pathway of pretermination of sex in buffalo using CRISPR/Cas9	Meeti Punet	T3S2-03
4	TALEs are virulence factors of pomegranate bacterial blight	Ginny Antony	T3S2-04

5	Unravelling the genetic gain trends in Basmati rice over 37 Years: Insights from historical data for grain yield and quality.	Pallavi Moh	T3S2-05
<b>Session 3: Genome Editing: IPR Policy for Product Development and Socio-economic Considerations</b>			
1	Patents, technology licencing and inclusive innovation for access and commercialisation of technology: The case of CRISPR Cas9	Poonam Jaya	T3S3-01
<b>Theme 4: Livestock-based Transformation of Food Systems</b>			
<b>Session 1: Towards livestock production sector transformation</b>			
Sl No.	Abstract Title	Author	Poster Code
1	Genetic analysis of variability and associations of fertility and production traits in crossbred cattle of Kerala using multi trait models	Jamuna Vals	T4S1-01
2	Genetic evaluation of Frieswal cattle under marginal production system	A K DAS	T4S1-02
3	Field Progeny Testing of Frieswal Bulls - an Important Tool for Genetic Improvement of Cattle in Existing Scenario	RAVINDER KU	T4S1-03
4	Whole genome sequencing and analysis of Vechur Cattle	NONGMAITHEM	T4S1-04
5	Rumen fermentation profile and faecal microbiota altered in response of electrohydrodynamically encapsulated probiotics in indigenous cattle calves	Sachin Kuma	T4S1-05
6	Genetic evaluation of Gir bulls for first lactation milk yield through associated herd progeny testing programme	Umesh Singh	T4S1-06
7	Fostering a Livestock Production Sector Transformation in India: An analysis of Credit Empowerment and Innovations in Value Chain Dynamics	Ajay Shashi	T4S1-07
8	Bovine population dynamics and milk production in India: A household and district level analysis	SIVARAM M	T4S1-08
9	Changing breed preference among dairy farmers in Andhra Pradesh: Patterns and determinants	Shivaswamy	T4S1-09
10	Institutional Credit to Dairy Farming in Kerala for sustainable income: An Economic Analysis	Nithin Raj	T4S1-10
11	On-farm assessment of different Total mixed rations (TMRs) for dairy cows towards enhanced milk production in Ernakulam district	K Smita Siv	T4S1-11
12	CRISPR and SCNT technology for production of $\beta$ -lactoglobulin (BLG) gene knockout blastocyst stage buffalo embryos	Aseem Tara	T4S1-12
13	Convergence policy strategies for conserve and propagate Nili-Ravi buffalo for higher returns in its breeding tract	Gururaj Mak	T4S1-13
14	Extent of adoption of scientific dairy farming practices by tribal dairy farmers of Wayanad district in Kerala	ALIMUDEEN S	T4S1-14
15	Transcriptional profiling of GDF9 and it's signaling receptors in caprine granulosa and theca cells	Anjali	T4S1-15
16	Performance evaluation of crossbred pigs reared in coastal ecosystem	Amiya Ranja	T4S1-16
17	Ecological impact of pig production systems in India through lifecycle assessment	Nitin M Att	T4S1-17
18	Comparative expression analysis of microRNAs targeting the PTEN gene in testes of indigenous, crossbred and exotic pigs	Meera K	T4S1-18



19	Assessment of water and energy usage in poultry slaughter and meat processing plant: a case study	Naveena BM	T4S1-19
20	Green extraction of collagen hydrolysates through valorization of poultry skin: physicochemical, functional and microstructural properties	Rituparna B	T4S1-20
21	Floor space management in Intensive duck production for growth and egg production	SUNIL CHAND	T4S1-21
22	Study to determine optimum level of protein requirement for White Pekin ducks during layer stage (20-35 weeks).	Santosh Kum	T4S1-22
23	Adaptive capability of slow growing poultry as indicated by physiological and molecular responses in hot and humid climate and measures for acquired thermotolerance	Nibedita Na	T4S1-23
24	“Harnessing Drone Technology for Advancing Animal Agriculture”	Salam Jayac	T4S1-24
25	Identification of suitable food-fodder production systems for enhancing fodder productivity in arid region	Priyanka Ga	T4S1-25
26	Nutritive value of cultivated grasses and Cenchrus tri-specific hybrid vis-a-vis their silage fermentation characteristics	Sultan Sing	T4S1-26
27	Utilization of inter subspecies heterosis for enhanced green and dry biomass of maize fodder	Naren a Ku	T4S1-27
<b>Session 2: Livestock Products, Health and Support Sciences</b>			
1	Coarse wool based eco-friendly sapling bags for organic horticulture plant growth	Vinod Kadam	T4S2-01
2	Omega-3 Fortified Mozzarella Cheese: A Nutraceutical Approach for Enhancing Food and Nutrition Security	Ankit Goyal	T4S2-02
3	Microbial Smart Time-Temperature Indicator (TTI) for Determining Thermal Abuse of Packaged Paneer	Narender Ra	T4S2-03
4	Molecular Epidemiology and Pathology of Lumpy Skin Disease Outbreaks in Karnataka, India	Manjunatha	T4S2-04
5	LUMPY SKIN DISEASE: DETECTION OF ANTIBODIES IN BUFFALOES AND ISOLATION, MOLECULAR CHARACTERIZATION FROM CATTLE	SARITA YADAV	T4S2-05
6	Reproductive disorders in female dromedary camels of India	Shirish Dad	T4S2-06
7	Comparative efficacy of inorganic and nano forms of trace minerals (Cu, Zn and Mn) supplementation on recovery of subclinical mastitis in lactating dairy cows	Manimaran A	T4S2-07
8	Evaluation of prevalence, biofilm forming ability of Escherichia coli isolated from buffalo mastitis and its association with antibiotic resistance	ASHOK BOORA	T4S2-08
9	Detection of Coxiella burnetii infection in goats and animal handlers in Chhattisgarh and Odisha using real time PCR assays under One Health approach	Binod Kumar	T4S2-09
10	Detection of Mycobacterium bovis infection in goats and animal handlers in Chhattisgarh and Odisha using real time PCR	MAMTA CHOUD	T4S2-10
11	Challenges in Foot and Mouth Disease Elimination in India & the Way Forward	Rabin a Pr	T4S2-11
12	Evaluation of Infectious bursal disease-Immune-complex (IBD-Icx) vaccine induced response in chicken with IBD specific maternal antibodies	SHYMA K LAT	T4S2-12

13	Isolation, characterisation and adaptation of indigenous Infectious Bursal Disease virus (IBDV) in cell culture	SHYMA K LAT	T4S2-13
14	Co-circulation of multiple serotypes of foot and mouth disease virus among susceptible animal population in India during 2021-2022	Manoranjan	T4S2-14
15	Foot and mouth disease in mithun, yak, cattle-yak hybrids and cattle in the north-eastern states of India during 2021-2022	Manoranjan	T4S2-15
16	Assessment of antimicrobial activity of calves-origin lactic acid bacteria against predominant diarrhea-causing pathogens and clustering to develop a multistrain probiotics adjunct	Ashis Kumar	T4S2-16
17	Testicular perfusion analysis using digital Pulse Wave Doppler Ultrasonography in Shweta Kapila breed of indigenous cattle reared in their native tract under western coastal climate	Gokuldas PP	T4S2-17
18	Expression Patterns of Genes Related to Intramuscular Fat and Fatty Acid Metabolism in Nellore and Deccani Sheep Breeds of Deccan Plateau Region	Navya Pothi	T4S2-18
19	Pregnancy detection in ruminants using urinary metabolites	Ashok Kumar	T4S2-19
20	Nutritional composition of Mithun ( <i>Bos frontalis</i> ) milk reared under semi-intensive system	Jyoti Jawla	T4S2-20

## Theme 5: Horticulture-based Transformation of Food Systems

SL.NO	Abstract Title	Authors	Affiliation
<b>Session 1: Fruit and Plantation Crops</b>			
1	Diversity of jackfruit ( <i>Artocarpus heterophyllus</i> ) accessions of Goa	Maneesha SR	T5S1-01
2	Novel lncRNA from stone apple ( <i>Aegle marmelos</i> L.) regulate the gene expression profile under stress	Kishor Utta	T5S1-02
3	Factors influencing hyperhydricity associated with in vitro regeneration of coconut	Shareefa M	T5S1-03
4	Pre-harvest bagging of litchi bunches enhances fruit quality	SUNIL KUMAR	T5S1-04
5	Virome analysis of nursery plants of two Indian grapevine cultivars employing high throughput sequencing	Gopi Kishan	T5S1-05
6	Invasion of Exotic Whiteflies (Hemiptera: Aleyrodidae) in India: Biosecurity, Challenges and Biocontrol Strategies	K Selvaraj	T5S1-06
7	Litchi stink bug ( <i>Tessarotoma javanica</i> ): An invasive pest of litchi	Ipsita Sama	T5S1-07
8	Transmission and Real time detection of viruses (ApMV and ApNMV) associated with mosaic disease of apple ( <i>Malus domestica</i> ) (Session Presentation)	Sajad Un Na	T5S1-08
9	TACHINID RESEARCH IN INDIA: MILES TO GO? A STATUS REPORT	Ramya RS	T5S1-09
10	Physiological approaches for improved postharvest quality of fruits and vegetables under varied environments	Prof Jeyakumar P	T5S1-10
11	Price spread of coconut in Kozhikode district of Kerala	Preethi V P	T5S1-11
12	Impact of Balanced & Customized Nutrient Solution through Enhanced Efficiency Fertilizers (EEF) on Productivity, Quality, Soil Health & Climatic Resilience in Horticultural Crops	Murlee Yada	T5S1-12
13	Bottom-up Effect (HPR) on Plant-Insect Interaction in Underutilized Horticultural Crops for Sustainable Production	Shravan	T5S1-13
14	SMART FOOD PRODUCTION: FUTURE OF INDIAN HORTICULTURE	Sonika Jaryal	T5S1-14

<b>Session 2: Vegetable and Tuber Crops</b>			
1	Effect of growth regulators on dormancy breaking and yield in elephant foot yam ( <i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson	R MUTHURAJ	T5S2-01
2	Garden pea, <i>Pisum sativum</i> L. as a new host for Pineapple mealybug, <i>Dysmicoccus brevipes</i> Cockerell (Hemiptera: Pseudococcidae)	B S Gotyal	T5S2-02
3	Detection, identification and chemo-sensitivity of seed borne pathogens in vegetable crop seeds ( <b>Session Presentation</b> )	ATMA NAND T	T5S2-03
4	Advance Heat Tolerant Potato Hybrids evaluation for Yield and Quality Parameters for West-Central India	MURLIDHAR J	T5S2-04
5	Source and sink manipulation effects on physiological characters and yield of cucumber ( <i>Cucumis sativus</i> L.) grown under polyhouse condition	Maharaj Si	T5S2-05
6	Insights into Ogura Cytoplasmic male sterility system expediting breeding of Indian cauliflower	Saurabh Sin	T5S2-06
7	Seed village programme for quality planting material production in Chinese potato	R Muthuraj	T5S2-07
8	Superiority of F1 hybrids over parents for fruit yield and its component traits in okra ( <i>Abelmoschus esculentus</i> (L.) Moench)	Harsiddhi L	T5S2-08
9	Screening of brinjal ( <i>Solanum melongena</i> L.) genotypes for tolerance to brinjal fruit and shoot borer	Shailesh K	T5S2-09
10	Influence of plant density and deblossoming on zombie pea ( <i>Vigna vexillata</i> ): an underutilized nutritious vegetable	Srija Priya	T5S2-10
11	Farmer Participatory Demonstration on Site Specific Nutrient Management in Chinese potato Cultivation in Tamil Nadu	D JAGANATH	T5S2-11
12	Performance of improved varieties of cassava in two agro ecological units of Kerala	R MUTHURAJ	T5S2-12
13	Protected Agriculture for Enhancing Farmers' Income in Coastal Region	Rajesh Kuma	T5S2-13
14	Horticultural Crops: Potential for developing Functional foods and Nutraceuticals	T John Zachariah	T5S2-14
<b>Session 3: Spices, Ornamental &amp; Medicinal Plants</b>			
1	Intercropping of seed spices with pomegranate ( <i>Punica granatum</i> )	Sumer Singh	T5S3-01
2	Constraint analysis of seed spice farmers in Rajasthan	Murlidhar M	T5S3-02
3	Insecticidal activities of <i>Lantana camara</i> L. leaf essential oil against cigarette beetle, <i>Lasioderma serricorne</i>	Berin Pathr	T5S3-03
4	Nutritional and phytochemical profiling of potential edible flowers with scope for value addition	Sheron Fern	T5S3-04
5	Studies on drying characteristics and quality evaluation of cloves ( <i>Syzygium aromaticum</i> )	E Jayashre	T5S3-05
6	Ornamental flowers: potential for future food and health, an investigation ( <b>Session Presentation</b> )	Simmy A M	T5S3-06
7	Unveiling the genetic integrity of in vitro induced micro rhizomes and their progenies in ginger: Implication for sustainable cultivation	Sharon Arav	T5S3-07

8	COMMERCIAL FARMING OF AFRICAN MARIGOLD IN ERNAKULAM DISTRICT TOWARDS ENHANCING FARMER'S INCOME DURING ONAM FESTIVAL	SHOJI JOY E	T5S3-08
9	Optimization of process parameters for spray dried ginger – lime juice powder using RSM and physicochemical evaluation of the dried powder	Alfiya P V	T5S3-09
10	IISR-DNA Fingerprinting Facility: Crafting the Genetic Score of Spice Symphony	MUKESH SANK	T5S3-10
11	Valorisation of leaf waste of Curcuma angustifolia as a bio-insecticide against cigarette beetle, Lasioderma serricorne	Berin Pathr	T5S3-11
12	Future of Indian cardamom, farmers, and farming in the cardamom hill reserves (CHR), Kerala, India	Prof Muthusamy M	T5S3-12
13	Biochemical diversity of leaves and fruits from Garcinia Species	Krishnapriya	T5S3-13
14	Orchids of India: time to start claiming its legitimate place –ICAR NRC for Orchids perspective	Sankar Pras	T5S3-14
15	Enhancing Vase Life of Dendrobium Cut Flowers through Carbendazim-Mediated Metabolic Inhibition	Siddhartha	T5S3-15
16	Orchid Elegance in a Bottle: Exploring In Vitro Flowering	Siddhartha	T5S3-16
17	Biodiversity Informatics and Global Knowledge Inclusiveness: Windows of Web-Accessible Interfaces on Orchid Biodiversity and Conservation	Dipankar	T5S3-17
18	Chemoprofiling of essential oils and curcuminoids of three Curcuma species	N K Leela	T5S3-18
19	Propagation of Two Wild Edible Ferns of Sikkim Himalayas for Conservation and Sustainability	Smriti Chettri	T5S3-19

#### Session 4: Nutraceuticals and Value Addition

1	Response surface methodology and Genetic Algorithm guided ultrasonication based resin assisted purification of anthocyanin (Session Presentation)	Anindita Pa	T5S4-01
2	In-depth Study of Floral Bio-active Constituents and Antioxidant Potential of Papilionanthe teres (Roxb.)– An Endangered and Endemic Orchid Species	SUMAN NATTA	T5S4-02
3	Extraction and characterization of bioactive constituents from seeds and peel of 10 pomegranate varieites grown in arid region	Saurabh Swa	T5S4-03
4	Orchids in Nutraceuticals, Cosmeceuticals and Fast-Moving Consumer Goods (FMCGs) Panorama on World Trade: A Prospective Outlook and Sustainable Development Goals	DipankaR	T5S4-04
5	Development of technology for preservation of tender coconut water	Manojkumar	T5S4-05

### Theme 6: Aquaculture and Fisheries-based Transformation of Food Systems

SI No.	Abstract Title	Author	Poster Code
<b>Session 1: Aquaculture Systems &amp; Fisheries</b>			
1	Growth, survival and production of nutrition sensitive small indigenous species (SIS) Mola carplet (Amblypharyngodon mola) in Carp-SIS poly-culture system	Rashmi R Das	T6S1.01

2	Breeding of Small Freshwater Indigenous Prawn <i>Macrobrachium dayanum</i> Under Captivity	M Gupta	T6S1.02
3	Biofloc technology (BFT) based maturation and breeding of Indian white shrimp, <i>Penaeus indicus</i> along with eyestalk ablation in captive condition	A Panigrahi	T6S1.03
4	Commercial scale seed production of Pearlsplit ( <i>Eetroplus suratensis</i> ): A Farmer Participatory approach	Vikas P A	T6S1.04
5	Breeding and seed production of <i>Oryzias setnai</i> (Kulkarni, 1940), in marine captive conditions	Ambarish	T6S1.05
6	Optimisation of seed production of fanged seabream, <i>Sparidentex jamalensis</i> Amir, Siddiqui & Masroor, 2014 in captivity	Suresh Babu	T6S1.06
7	Captive induced spawning and larval rearing of Goldlined seabream <i>Rhabdosargus sarba</i>	Senthil Murugan	T6S1.07
8	Production of hybrids of clown fishes and observations in the F1 progeny	Anikuttan	T6S1.08
9	Production of hybrid marine ornamental clownfish <i>Amphiprion ocellaris</i> through interspecific hybridization between female <i>Amphiprion ocellaris</i> and male <i>Amphiprion percula</i>	Madhu K	T6S1.09
10	EMBRYONIC DEVELOPMENT IN INDUCED BRED <i>SIGANUS VERMICULATUS</i> AND EFFECT OF ENVIRONMENTAL CONDITIONS ON FERTILIZED EGGS	Anuraj	T6S1.10
11	Embryonic and early larval development of brackishwater ornamental fish <i>Monodactylus argenteus</i> (Linnaeus, 1758)	Dani Thomas	T6S1.11
12	Evaluation of ideal stocking density for rearing spawn to fry during nursery phase of <i>Labeo rohita</i> (Hamilton, 1822) in biofloc system	P C Das	T6S1.12
13	Larval Rearing of Striped Murrel, <i>Channa striata</i> In Different Refuge Systems	Raghvendra Singh	T6S1.13
14	Effect of substrate on growth and survival of fry of <i>Clarias dussumieri</i> (Valenciennes, 1840), an endemic food fish from Peninsular India	Chandana	T6S1.14
15	Growth performance of <i>Labeo rohita</i> (Hamilton, 1822) juveniles reared at varying salinity levels using inland saline groundwater	R K Patel	T6S1.15
16	A Study on off Season Fish Fingerling production in Nayagarh district of Odisha	A K Swain	T6S1.16
17	Effect of stocking density during nursery rearing on the growth, survival, and compensatory growth of Speckled shrimp, <i>Metapenaeus monoceros</i>	Vidhu Rajan	T6S1.17
18	Effect of varied salinities on breeding performance and larval development of orange chromide, <i>Eetroplus maculatus</i>	Prem Kumar	T6S1.18
19	Standardized larval rearing protocol of vermiculated spinefoot, <i>Siganus vermiculatus</i> for mass scale seed production	Tanveer Hussain	T6S1.19
20	Early inroads into larviculture and standardization of feeding in John's snapper, <i>Lutjanus johnii</i> (Bloch, 1792) - a promising mariculture species for India	Ritesh	T6S1.20
21	Nursery rearing of vermiculated spinefoot, <i>Siganus vermiculatus</i> in indoor FRP tanks	Anju Lekshmi	T6S1.21
22	Studies on growth responses of Black Clam, <i>Villorita cyprinoides</i> , (Gray, 1825) in different environments	Vidya R	T6S1.22

23	Feasibility and growth studies of hatchery produced <i>Crassostrea madrasensis</i> (Preston, 1916) spat in Palghar district of Maharashtra	Santosh	T6S1.23
24	High density nursery and grow-out farming of <i>Penaeus vannamei</i> using copefloc technology	Aravind	T6S1.24
25	Grow out production systems for mud crab, <i>Scylla serrata</i>	Balasubramanian	T6S1.25
26	Optimal dosing of human chorionic gonadotropin (hCG) via sustainable-release hormonal implants improves gonad maturation, reproductive performance, and larval vitality of striped murrel, <i>Channa striata</i> reared under indoor condition	Rajesh	T6S1.26
27	Effect of different dietary n-3/n-6 polyunsaturated fatty acid levels on the captive maturation of <i>Anabas testudeni</i> reared in biofloc culture system	Babitha	T6S1.27
28	Biochar Enhances the Growth Parameters, Hematological Parameters and Enzymatic activities of Genetically Improved Farm Tilapia (GIFT) Reared in Inland Saline Water	Tao Kara	T6S1.28
29	Exploring the impact of fish waste hydrolysate on growth enhancement in <i>Penaeus vannamei</i> during nursery phase	Sandeep	T6S1.29
30	FROZEN TUBIFEX – an effective way of feeding ornamental fishes	Sravani	T6S1.30
31	Feeding techniques in the nursery rearing of bigfin reef squid, <i>Sepioteuthis lessoniana</i>	Kavitha	T6S1.31
32	Use of copepods as live feed for marine ornamental fish larval rearing	Santhosh B	T6S1.32
33	Marine microalgae, <i>Isochrysis galbana</i> culture in Photobioreactor: Effect of CO <sub>2</sub> supply on enhanced growth and productivity	Biji Xavier	T6S1.33
34	Commercial scale cultivation of marine microalgae in open raceway ponds for algae meal production - Technical evaluation	Kalidas	T6S1.34
35	BIOCHEMICAL EFFECT OF MICROPLASTIC INGESTION ON TILAPIA( <i>Oreochromis niloticus</i> )	Shylaja	T6S1.35
36	Assessment of Condition Factor in <i>Pangasianodon hypophthalmus</i> reared under different Aquaculture Systems	Madhulika	T6S1.36
37	An investigation on the behavioral responses of spiny lobster, <i>Panulirus homarus</i> (Linnaeus, 1758) to salinity shifts with perspectives for coastal aquaculture practices	Ratheesh	T6S1.37
38	Effect of thermal acclimation on the tolerance of silver pompano, <i>Trachinotus blochii</i> : A species for climate-resilient mariculture	Divu	T6S1.38
39	Does the lunar periodicity affect the spawning rhythm in captive-bred marine ornamental fishes under controlled environment?	Sakthivel	T6S1.39
40	Innovative approaches on procurement, transportation and development of captive broodstock of Asian seabass <i>Lates calcarifer</i> (Bloch)	Subburaj	T6S1.40
41	Degradation Kinetics of Potassium Permanganate in Tropical Aquaculture Environments	Rajesh	T6S1.41
42	Water budgeting and cutback approach in coastal shrimp culture	R K Mohanty	T6S1.42
43	Comparison of total carbon budgets for <i>Penaeus vannamei</i> in earthen and polyethylene lined culture systems	Aravind R	T6S1.43



44	Sustainable Development of Open Sea Cage Farming in Indian Mariculture: Insights from Water Quality Analysis Using Generalized Additive Modeling (GAM)	Mayur S Tade	T6S1.44
45	Impact of extremely heavy rainfall on water quality in shrimp aquaculture areas of Godavari river basin of Andhra Pradesh	Gopinath	T6S1.45
46	BIODIVERSITY AND SOCIAL IMPACT OF SHRIMP FARMING IN COASTAL REGION OF ANDHRA PRADESH	Rajasekar	T6S1.46
47	A metabolomic snapshot through NMR revealed differences in phase transition during induction of reproduction in <i>Ulva ohnoi</i> (Chlorophyta)	Payal Bodar	T6S1.47
48	Effective temperature shock and photoperiod for Seed Production of Edible Green Seaweed <i>Ulva lactuca</i>	Bavithra	T6S1.48
49	High-Density Polyethylene (HDPE) Raft Based Tube Net farming: a novel seaweed culture technique in open sea	Sekar	T6S1.49
50	Feasibility studies on floating raft culture of <i>Gracilaria edulis</i> from coastal waters of Vellapatti, Southeast coast of India	Ranjith	T6S1.50
51	Success story on species, site and method suitability of seaweed farming in Ratnagiri coast, Maharashtra	Ramkumar	T6S1.51
52	Good Management Practices in Seaweed Farming	Johnson	T6S1.52
53	Aquaponics: Reshaping bio-integration based circular economy as a sustainable strategy for income diversification and climate resilience in agri-aquaculture food system	Ajit Kumar	T6S1.53
54	Design & Development of 'Aquaculture Automation Technology' for Sustainable Shrimp Farming	Vishnu V Das	T6S1.54
55	Development of super intensive marine finfish RAS	M K Anil	T6S1.55
56	Modified Pen design for fish farming : A new venture for aquaculture in shallow coastal waters	Rema Madhu	T6S1.56
57	Technology for coastal pond farming of Indian Pompano ( <i>Trichinotus mookalee</i> Cuvier, 1832) – new options in coastal aquaculture	Sekar	T6S1.57
58	Unleashing Prosperity: Cage Culture empowers SC Communities in Ernakulam District	Sary	T6S1.58
59	Coastal Resource Management and Economic Performance of Mud Spiny Lobster Mariculture in Tropical Sea Cages, North-eastern Arabian Sea, India: An Empirical Study.	Aarsha	T6S1.59
60	Brackishwater cage farming of Asian seabass <i>Lates calcarifer</i> as an additional income generation activity by fisher women SHG's	Jayakumar	T6S1.60
61	The significance of small-scale cage farming in the livelihood transformation of coastal Karnataka's fishers	Rajesh K M	T6S1.61
62	Nurturing Pearlsport Seed Production Technology: A Thriving Enterprise in the Fisheries Sector	Athira	T6S1.62
63	Fisher-women of Chilika empowered through mud crab fattening in HDPE boxes: An alternative livelihood support intervention under SCSP	Rajesh Pradhan	T6S1.63
64	Participatory approach in marine ornamental aquaculture for livelihood and conservation	Ajith Kumar TT	T6S1.64
65	Aquaculture of soft corals ( <i>Octocorallia:Alcyonacea</i> ) as a step towards their conservation in coral reef ecosystems	Vinod K	T6S1.65

66	Growth and asexual propagation of magnificent tentacle anemone, <i>Heteractis</i> sp. and bubble tip anemone <i>Entamacea quadricolor</i> for promoting sea anemone aquaculture and its sustainable aquarium trade	Krishna	T6S1.66
67	Indigenous ornamental fishes of the Western Ghats: Development of captive breeding for Conservation	Charan	T6S1.67
68	Successful mass production of <i>Clarias dussumieri</i> a near-threatened endemic catfish of the Western Ghats through captive breeding	Charan	T6S1.68
69	Captive breeding makes a way for the recovery of an endangered catfish <i>Horabagrus nigricollaris</i> endemic to River Chalakudy	Abhilash	T6S1.69
70	Prioritization of Watersheds for Fisheries Development in North-western Himalayas	Muruganandam	T6S1.70
71	A Review and Projections on Watershed Management to Improve Fish Production in Uttarakhand, India	Muruganandam	T6S1.71
72	Brackish water aquaculture sector post-tsunami and the utilization of submerged land for aquaculture in South Andaman Island	Kiruba	T6S1.72
73	SCOPE, OPPORTUNITIES AND CHALLENGES IN MARICULTURE ENTREPRENEURSHIP DEVELOPMENT IN GUJARAT	Bhatt	T6S1.73
74	Development of mariculture technology parks in India: A SWOT-based evaluation adds a new dimension to the mariculture sector landscape (Session Presentation)	Suresh K Mojjada	T6S1.74
75	Delineation of aquaculture development zones in coastal India using geospatial techniques	A K Nayak	T6S1.75
76	Prospect and management of Wetland Fisheries:A case study of KasaraiyaDhar Maunin Bihar	Vivekanand	T6S1.76
77	Fish and Fishery of Idukki Reservoir, Kerala	Deepa Sudheeshan	T6S1.77
78	Fishery of Black clam, <i>Villorita cyprinoides</i> (Gray, 1825) from Vembanad Lake	Vidya R	T6S1.78
79	Ashtamudiclam fishery-catch trend and status	Venkatesan	T6S1.79
80	Status of Blood clam fishery of Kakinada Bay, Bay of Bengal	Jasmin F	T6S1.80
81	Fishery and stock assessment of <i>Babylonia spirata</i> (Linnaeus, 1758) (Neogastropoda: Buccinidae)along South west Coast of India	Venkatesan	T6S1.81
82	Non-penaeid fishery along Maharashtra Coast-catch trend and status	Sunil Ail	T6S1.82
83	Regime shift dynamics of oil sardine fishery in Kerala	Somy K	T6S1.83
84	Status of marine fisheries of Odisha: an Overview	Gyan	T6S1.84
85	Live bait resources of Lakshadweep - Imperative for Sustainable Utilization and Conservation	Rekha	T6S1.85
86	Characterization of low-valued bycatch in the bottom trawlers of Gujarat	Rajan	T6S1.86
87	Sustained food security from unconventional fishery resources: market oriented lucrative fishery of pufferfishes in Tamil Nadu, India	Remya	T6S1.87
88	Fishery, biology, and stock status of Indian mackerel <i>Rastrelliger kanagurta</i> (Cuvier, 1816) from the north-eastern Arabian Sea of Maharashtra Coast	Ajay	T6S1.88
89	Fishery of catfishes along north Tamil Nadu coast	Gomathy	T6S1.89

90	PRESENT STATUS OF ELASMOBRANCH FISHERY, CONSERVATION AND MANAGEMENT IN ODISHA	Swatipriyanka	T6S1.90
91	AN INTEGRATIVE APPROACH of FISH IDENTIFICATION for FISHERY MANAGEMENT OF SARASAKUMRI, A SMALL RIVER OF SUNDARBAN MANGROVES	Rajakumar	T6S1.91
92	A taxonomic study on ornamental fishes under Cypriniformes from Tansa river, Maharashtra	Taniya	T6S1.92
93	Integrated taxonomic tools for the identification of selected loaches from India	Anisha	T6S1.93
94	Taxonomic Studies and Phylogenetic analysis of Genus Osteobrama Heckle, 1842 in India	Anjali	T6S1.94
95	Mitochondrial-based molecular signatures for cone snails from Kollam and Thoothukudi waters	Karthika	T6S1.95
96	Integrative Taxonomy of Needlefishes (Beloniformes: Belonidae) from Indian Waters	Subal	T6S1.96
97	Mitochondrial marker-based integrated taxonomy reveals distributional range extension of <i>Gymnocranius obesus</i> beyond Coral triangle, to Indian Ocean	Badarul	T6S1.97
98	Statolith-based age and growth of the Bobtail squid <i>Euprymna hyllebergi</i> Nateewathana, 1997 (Cephalopod: Sepiolidae) from the southeastern Arabian Sea	Sajikumar	T6S1.98
99	Length-weight relationship and morphometrics of portunid crab <i>Monomia gladiator</i> (Fabricius, 1798) from southeastern Arabian sea	Josileen	T6S1.99
100	Reproductive biology of green tiger shrimp <i>Penaeus semisulcatus</i> (De Haan,1844) in Palk Bay ecosystem, southern peninsular India	Rajkumar	T6S1.100
101	Spawning seasons of commercially important demersal finfishes along south-east coast of India	Remya	T6S1.101
102	Comparative ovarian development and spawning behavior in landlocked and migratory female <i>Tenualosa ilisha</i> : Insights from a Tropical Shad	Vaisakh	T6S1.102
103	Assessment of different maturity stages and milt characteristics of Goldlined seabream, <i>Rhabdosargus sarba</i> .	Ezhil	T6S1.103
104	Gonadal assessment of Fanged Sea Bream, <i>Sparidentex jamalensis</i> : a potential aquaculture candidate for Indian waters	Shilta	T6S1.104
105	Length-weight relationship and reproductive biology of <i>Sillago malabarica</i> from the Malabar region, India	Mahesh	T6S1.105
106	Phenology of the Indian mackerel <i>Rastrelliger kanagurta</i> (Cuvier, 1816) from the northern Kerala Coast	Mahesh	T6S1.106
107	Biology of the Widenose guitarfish, <i>Glaucostegus obtusus</i> (Müller & Henle, 1841) (Rhinopristiformes: Glaucostegidae), from the eastern Arabian Sea	Purushottama	T6S1.107
108	Food and feeding ecology of green tiger shrimp <i>Penaeus semisulcatus</i> (De Haan,1844) in Palk Bay, southeastern coast of India	Rajkumar	T6S1.108
109	STUDIES ON ECOMORPHOLOGY OF SOME FOOD FISHES	Rekha J Nair	T6S1.109
110	Length-weight relationship and the feeding biology of Fanged seabream, <i>Sparidentex jamalensis</i> from Korapuzha estuary, Calicut, Kerala, India	Shilta	T6S1.110

111	Predator-prey interactions and its implications in the emergence of red-toothed triggerfish <i>Odonus niger</i> in the fishery along the coast of Kerala	Najmudeen	T6S1.111
112	Feeding strategy of Indo-Pacific Blue Marlin, <i>Makaira nigricans</i> Lacepede, 1802 caught from the Eastern Arabian Sea	Surya	T6S1.112
113	Insights into feeding habits of little tuna, <i>Euthynnus affinis</i> (Cantor 1849) from Visakhapatnam Andhra Pradesh	Manas	T6S1.113
114	Unveiling population structure of <i>Curmuca barb</i> , <i>Hypselobarbus curmuca</i> (Hamilton 1807) in Karnataka rivers	Jeevan	T6S1.114
115	Redefining population structure of migratory hilsa shad in Hooghly-Bhagirathi river using variation in otolith shape	Sajina	T6S1.115
116	Stock structuring of Unicorn leatherjacket, <i>Aluterus monoceros</i> (Linnaeus, 1758) from Indian Exclusive Economic Zones (EEZ)	Kamei	T6S1.116
117	Seasonal dynamics of optical classes and small pelagic abundance off the South Eastern Arabian Sea	Monolisha	T6S1.117
118	Trophic interactions of major fishery functional groups along the marine ecosystem of Gujarat: Ecopath model approach	Vinay	T6S1.118
119	Exploring the dynamics of marine fish landings in Karnataka through Principal Component Analysis	Mini	T6S1.119
120	ASSESSING HABITAT SUITABILITY FOR ENDEMIC MAHANADI RITA, RITA CHRYSSEA, IN MAHANADI RIVER BASIN, INDIA	Rejani	T6S1.120
121	Mapping of surface water dynamics and persistent pools in Banas River Basin, Rajasthan: A geospatial approach for conservation planning	Pathak	T6S1.121
122	Navigating the Blue: Spatial Insights into Tuna Gillnet Fisheries along North-West Coast of India for Advancing Oceanic Resource-Led Blue Economy	Abdul Azeez	T6S1.122
123	Spatio-temporal distribution of croakers along Gujarat coast of India	Shikha	T6S1.123
124	Insights into the reproductive areas of the critically endangered guitarfishes recorded from the Chavakkad coast, Kerala, India	Livi	T6S1.124
125	Insight into the fish seed availability and resource mapping along the coastal stretch of Gulf of Mannar	Vinothkumar	T6S1.125
126	Spatio-Temporal Analysis of Ichthyoplankton Abundance and Its Relation to Environmental Factors in Visakhapatnam Waters, Andhra Pradesh	Indira	T6S1.126
127	Studies on Trawl Codends with T0 and T90 meshes along Kochi, Kerala	Madhu V R	T6S1.127
128	The Promising Role of V-Form Double-Slotted Otter Boards	Remesan	T6S1.128
129	Comparative Analysis of Catch in Experimental Trials of the CIFT-Turtle Excluder Device	Remesan	T6S1.129
130	Testing the efficiency of TED, using dive evaluation along Kerala coast	Dhiju	T6S1.130
131	Candidate species research on sea urchins from the Gulf of Mannar and the Palk Bay for the echiniculture opportunities	Saravanan	T6S1.131
132	Gooseneck barnacles: overlooked and lesser known crustacean in India	Teena	T6S1.132

133	Obscurity to Opportunity: Optimizing the Utilisation of Congrid Eel Fish Resources in India	Kodeeswaran	T6S1.133
134	Productivity estimates of Chaliyar	Thankam	T6S1.134
135	Loss of indigenous fish diversity from a flood plain wetland of Muzaffarpur, Bihar-A case study	Archana	T6S1.135
136	Assessing the Invasive Potential of Alligator Gar in the Indian Subcontinent	M Nisin	T6S1.136
137	Opisthobranchs of Karnataka	Divya	T6S1.137
138	Diversity indices and biomass variation of macrofoulers on test panels between fish farm site and the reference site at Karwar, West coast of India	Sonali	T6S1.138
139	Seasonal variation in gastropod abundance in relation to seaweed density along the rocky intertidal area of Thikkodi, south west coast of India	Fasila	T6S1.139
140	Rare occurrence of gastropod pearls from <i>Turbinella pyrum</i> and <i>Chicoreus ramosus</i>	Kavitha	T6S1.140
141	A Note on Mangrove associated Avian Fauna of Korapuzha Estuary, Calicut	Ramya	T6S1.141
142	Microplastics: A growing concern for marine ecosystem and Biodiversity	Shubham	T6S1.142
143	Impact of fishing harbour activities on the coastal water quality of Tuticorin, South East Coast of India	Asha	T6S1.143
144	Assessing Benthic Marine Debris: A Case Study from RK Beach, Visakhapatnam	Loveson	T6S1.144
145	Microplastics from abandoned Fibre glass reinforced plastics (FRP) fishing boats: Emerging concern for the marine environment	Manju Lekshmi	T6S1.145
146	Unveiling hidden plastic: Investigating the footprint of microplastics in India's cave waters and its implications for heritage sites	C Naidu	T6S1.146
147	Comparative Life Cycle Assessment of small scale FRP and FRP Sheathed Fishing Boats of Kerala	Sreejith	T6S1.147
148	Comparative Life Cycle Assessment of <i>Litopenaeus vannamei</i> Farming: Evaluating Environmental Sustainability	Raziya	T6S1.148
149	Unlocking New Horizons: Exploring In-Situ Growth Studies of Limited Mobility Crustaceans through 'Marine Citizen Science' Data Integration - A Case Study of <i>Solenocerachoprai</i> in the Southeastern Arabian Sea	Dineshababu	T6S1.149
150	Self-governance of brown mussel <i>Perna indica</i> resource along southwest coast of India	Gomathi	T6S1.150
151	Co-Creation of Solutions to Challenges in Small scale fisheries through community engagement	Nikita Gopal	T6S1.151
152	Fisheries-based Aqua Tourism an emerging entrepreneurship opportunity in Odisha	Ashmita	T6S1.152
153	Ecological characteristics of newly established "Dugong Conservation Reserve" in Palk Bay, Tamil Nadu	Thirumalaiselvan	T6S1.153
154	Nesting of Olive Ridley Sea turtle ( <i>Lepidochelys olivacea</i> ) in Car Nicobar Island, Andaman and Nicobar Islands	Kiruba	T6S1.154
155	Marine mammal-fishery interaction and indigenous mitigation measures followed by fishers along the West Coast of India	Prajith	T6S1.155

156	Indian Seas' Spinners: Studying <i>Stenella longirostris</i> Distribution and Habitat	Durga	T6S1.156
157	Evaluating the distribution and habitat suitability of the Humpback D	Utthamapandian	T6S1.157
158	Sperm Whales in Indian Waters: Habitat and Distribution Analysis	Zainul	T6S1.158
159	Exploring ecological attributes and optimal fishing scenarios for the multispecies fisheries of Gayatri Reservoir, India	Preetha Panikker	T6.S1-159
<b>Session 2: Genetics, Health &amp; Nutrition</b>			
1	National Repository of Fish cell lines: An integrated cell bank for in vitro applications and cellular agriculture	Basdeo Kush	T6S2.01
2	Gene Expression Atlas: A Comprehensive Gene Expression Resource for Brackishwater Aquaculture	Nimisha K	T6S2.02
3	Identification and characterization of LmO2 (Rhombotin-2) gene for its role in cellular growth in <i>Clarias magur</i>	Ravindra Ku	T6S2.03
4	Isolation and characterization of heterotrophic sulfur-oxidizing bacteria: An unexplored resource for improving soil fertility	Anusree V N	T6S2.04
5	Variations in global gene expression profiles of <i>Catla catla</i> kidney tissues induced by low temperature	Vindhya Moh	T6S2.05
6	Whole Mitogenomes Reveal High Genetic Structure and Evidences of Purifying Selection in <i>Lates calcarifer</i> populations in India	Rajeev K Si	T6S2.06
7	Shrimp Nutrient Metabolic Pathway Database (SNMPdb): A Repository of genes related to nutrient metabolism in shrimp.	P N Suganya	T6S2.07
8	From the depths to genes: Mitogenomic blueprint of the Japanese blunt-horn lobster <i>Palinustus waguensis</i> sheds light on its evolution	JEENA NS	T6S2.08
9	Comparative transcriptomic analysis of acute salinity and temperature stresses in <i>P. indicus</i>	Ashok Kumar	T6S2.09
10	Development of Polymorphic Microsatellite marker for stock identification of Green chromide, <i>Etroplus suratensis</i> using Next Generation Sequencing Technology	Magdeline C	T6S2.10
11	Development of novel microsatellite primers for genetic characterization of endangered and endemic yellow catfish, <i>Horabagrus brachysoma</i> and <i>Nilgiri mystus</i> , <i>Hemibagrus punctatus</i> (Bagridae)	Divya Merin	T6S2.11
12	Metagenomics analysis unveils comparative haloarchaeal diversity of two solar salterns in Tamil Nadu, south-east coast of India	K S SOBHANA	T6S2.12
13	Exploring MicroRNA Expression in <i>Channa striata</i> : Insights into Habitat Manipulation and Spawning Mechanisms	Gowrimanoha	T6S2.13
14	Deciphering the functional role of opsin gene in vision, growth and reproduction of Penaeid shrimp <i>Fenneropenaeus indicus</i>	Sajeela K A	T6S2.14
15	Meta-analysis to unravel core transcriptomic responses in <i>P. vannamei</i> exposed to biotic and abiotic stresses	Gangaraj K	T6S2.15
16	Heritability estimates of random regression coefficients for the growth trajectories of <i>Clarias magur</i>	Rameez Rosh	T6S2.16
17	Non-additive genetic effects in enhancing stress tolerance in <i>Macrobrachium rosenbergii</i>	Shyla G	T6S2.17
18	Comparative RNASeq Studies on Common Carp Cultured in Low Saline Environments	Angom Lenin	T6S2.18



19	An In Vitro Protein Expression Profile of Cultured Muscle Cells Developed from <i>Labeo rohita</i>	Yashwanth B	T6S2.19
20	Differential expression of steroidogenic enzymes genes and gonadotropin receptors during ovarian development of grey mullet <i>Mugil cephalus</i> .	Sherly Tomy	T6S2.20
21	Evolutionary rescue by local adaptation could confer climatic resilience on Indian oil sardine, <i>Sardinella longiceps</i> – Clues from genome scans	Sandhya Suk	T6S2.21
22	Comparative cell cycle analysis of two novel humpback grouper ( <i>Cromileptes altivelis</i> ) fin cell lines by flow cytometry	PRIYANKA PO	T6S2.22
23	Muscle Cell Culture System from <i>Lates calcarifer</i> (Asian seabass) for Cultivated Seafood Development	Darshan Kam	T6S2.23
24	THIAMINE DEFICIENCY IN FISHES- A SYMPTOM OF DYSFUNCTIONAL AQUATIC ECOSYSTEMS	Megha S Vin	T6S2.24
25	Effect on hemato-biochemical indices of <i>Labeo catla</i> reared in different culture systems	Sujata Saho	T6S2.25
26	Mitigating Effects of Dietary Zinc Nanoparticles on Arsenic, Ammonia, and Temperature Induced Stress in Fish using Molecular Signatures	Neeraj Kuma	T6S2.26
27	Physio-immunological response of <i>Nelumbo nucifera</i> leaf extract-fed <i>Oncorhynchus mykiss</i> challenged with pathogenic <i>Aeromonas hydrophila</i>	Hakim Mudas	T6S2.27
28	Effect of varying sources of Arachidonic acid on growth performance in Whiteleg shrimp, <i>Penaeus vannamei</i> reared at three different water salinities	Sravanthi O	T6S2.28
29	Effect of inulin on the growth and disease resistance status of Pacific white shrimp, <i>Penaeus vannamei</i>	ALLIE N U	T6S2.29
30	PROTOTYPE DEVELOPMENT OF MARINE BLACK PEARL THROUGH BIOMINERALIZATION OF IN-VITRO CULTURED MANTLE EPITHELIAL CELLS OF BLACK LIP PEARL OYSTER <i>PINCTADA MARGARITIFERA</i>	SRINIVASA R	T6S2.30
31	BIOMINERALIZATION OF CRYOPRESERVED IN-VITRO CULTURED MANTLE EPITHELIAL CELLS OF BLACK LIP PEARL OYSTER, <i>PINCTADA MARGARITIFERA</i>	SRINIVASA R	T6S2.31
32	In-vitro analyses reveal <i>Shewanella</i> algae as a treasure for eicosapentaenoic acid: A prospective candidate for application in marine larviculture	Vishnu R	T6S2.32
33	Pilot Scale Solid State Fermentation: A Key Advancement in Bioprocess Development	JOEL JOSEPH	T6S2.33
34	Antagonistic properties and biocompatibility of host-gut-derived marine bacteria for the development of potential probiotic consortia in Indian Pompano Mariculture	Jayasree Loka	T6S2.34
35	Influence of dietary microalgal oil on fatty acid profile and expression <i>Trachinotus blochii</i> (Lacepede, 1801)	CHANDRASEKAR	T6S2.35
36	Protective mechanisms of <i>Schizochytrium</i> oil against hyperlipidemia: evidence from a zebrafish model	Adnan Hussa	T6S2.36
37	Soybean meal-induced intestinal inflammation is associated with developmental defects and behavioral aberrations in zebrafish	Saima Rehma	T6S2.37

38	Bioconversion of poultry feather waste for the formulation of keratin derivatives supplemented feed: Measure towards sustainable marine ornamental aquaculture	TT Ajith Kumar	T6S2.38
39	Fishmeal replacement using algal meal, a sustainable, low carbon footprint protein and lipid ingredient in the diet of Snubnose pompano, <i>Trachinotus blochii</i>	D Linga Prabu	T6S2.39
40	Mixed insect meal as a sustainable fishmeal replacer in the diet of juvenile Snubnose pompano, <i>Trachinotus blochii</i>	D Linga Pra	T6S2.40
41	Dietary selenium influences the growth, antioxidant enzyme activity and gene expression of Pacific white leg shrimp <i>Penaeus vannamei</i>	Prasanna Ud	T6S2.41
42	Synthesis of <i>Padina tetrastromatica</i> capped copper nanoparticles and its effect on growth, blood biochemical profiles and immune response of the <i>Cobia (Rachycentron canadum)</i>	G TAMILMANI	T6S2.42
43	Aqueous leaf extract of <i>Psidium guajava</i> improves growth and health parameters in the Pearl Spot, <i>Etroplus suratensis</i>	Gijo Ittoop	T6S2.43
44	Growth, reproductive performance, body composition and egg quality of orange chromide <i>Etroplus maculatus</i> (Bloch, 1795) fed with brood stock diets of varying dietary protein and lipid concentration	Sayooj P	T6S2.44
45	Aurantiochytrium: A potential replacer of Fish oil in Shrimp	ANKIT KUMAR	T6S2.45
46	Future proofing rainbow trout aquaculture with functional feeds	Biju Sam Ka	T6S2.46
47	Effect of partial replacement of fish meal with guar meal ( <i>Cyamopsis tetragonoloba</i> ) in the diet of pearl spot, <i>Etroplus suratensis</i> juveniles	Sarath Varg	T6S2.47
48	Deciphering the dietary influence on the fatty acid profile of fishes of varying feeding guilds of the Vembanad Lake, south west coast of India	Vineetha Go	T6S2.48
49	Study on Indian Mackerel, <i>Rastrelliger kanagurta</i> (Cuvier, 1817) with co-infection of <i>Vibrio alginolyticus</i> and Parasites in Karwar, West Coast, Uttara Kannada, Karnataka	KURVA RAGHU	T6S2.49
50	Pathological anomalies in vital organs of Indian mackerel, <i>Rastrelliger kanagurta</i> in relation to water quality and parasitic infestation	KURVA RAGHU	T6S2.50
51	Silencing shrimp STAT gene by administering dsRNA in vitro and in vivo to control of white spot syndrome virus infection	Jeswin Jose	T6S2.51
52	TMT- based proteome analysis of rohu gut infected with <i>Edwardsiella tarda</i>	Nevil Pinto	T6S2.52
53	Assessment of Antibiotic use and Antimicrobial Resistance pattern in Freshwater Aquaculture in Odisha and Andhra Pradesh: A preliminary report	Sudhansu S	T6S2.53
54	Present Status of Disease occurrence and Economic loss in Freshwater Aquaculture in Odisha and Andhra Pradesh	Sudhansu S	T6S2.54
55	Investigations on the phenotypic and genetic patterns of oxolinic acid resistance among marine aquaculture pathogens	KRUPESHA SH	T6S2.55
56	Prevalence of shrimp microsporidian, <i>Enterocytozoon hepatopenaei</i> (EHP) in farmed tiger shrimp, <i>Penaeus monodon</i> in India	B NAVEEN R	T6S2.56

57	Comprehensive sequence analysis of interleukin-10 in snubnose pompano ( <i>Trachinotus blochii</i> ) (Lacepede, 1801)	George Jose	T6S2.57
58	In-vitro characterizations and in-silico analyses revealed an antineoplastic drug with clinically compatible features from a marine crab haemolymph-associated bacterial symbiont <i>Comamonas testosteroni</i>	Lailaja V P	T6S2.58
59	Microbiome profiling of <i>Trachinotus blochii</i> unveiled the transient microbiome in the early life stages to become stable during ontogenetic progression	Sumithra TG	T6S2.59
60	Unravelling the whole microbiome profiles of cobia ( <i>Rachycentron canadum</i> ) before and after metamorphosis by PacBio Single-Molecule Real-Time Sequencing	Gayathri Su	T6S2.60
61	Dynamics of antioxidant biomarkers during ontogenetic progression in <i>Trachinotus blochii</i> larvae	Amritha Jag	T6S2.61
62	Prevalence and characterization of <i>Vibrio parahaemolyticus</i> isolated from the black clam, <i>Villorita cyprinoides</i> from the southwest coast of India	Remya	T6S2.62
63	Antibacterial, cytotoxicity and anti-inflammatory evaluation of N-Chlorotaurine (NCT) for possible application in aquaculture	Rahul Krish	T6S2.63
64	Computational aided identification of immune-epitopes and insilco development of multi-epitope-based peptide vaccine against Cyprinid herpesvirus-2	AMALA JIII	T6S2.64
65	Taxonomy of two new species of Myxosporeans infecting the <i>Abudefduf vaigiensis</i> from the southwest coast of India	Sneha Surendran	T6S2.65
66	Comparative analysis of proinflammatory and humoral immune gene expression in Cyprinid herpesvirus 2 infected and vaccinated goldfish ( <i>Carassius auratus</i> )	Arathi Dharmaratnama	T6S2.66
67	A new species of myxosporean, <i>Myxobolus vembanadensis</i> n. sp (Myxosporea: Myxobolidae) infecting <i>Planiliza macrolepis</i> (Smith,1846) from Cochin backwaters, Kerala	MARY SONIYA	T6S2.67
68	Pathogenic and Genomic Characterization of <i>Vibrio harveyi</i>	Sujeet Kumar	T6S2.68
69	Antibacterial activity of alcoholic extract of <i>Decalepis hamiltonii</i> (DH) root against the fish pathogen ( <i>Aeromonas</i> sp)	POONAM PAL	T6S2.69
70	Comparative evaluation of different chromatographic techniques for the purification of fish serum immunoglobulin	Satkar Saga	T6S2.70
71	Investigations into disease outbreaks have revealed the endemic presence of infectious spleen and kidney necrosis virus in cultured Oscar fish ( <i>Astronotus ocellatus</i> ) in Kerala, India.	Arun Sudhag	T6S2.71
72	Genomic characterization of a novel lytic Autographiviridae bacteriophage PhPV1.2 specific to <i>Vibrio parahaemolyticus</i>	KEERTHI R B	T6S2.72
73	Protective immune response against viral nervous necrosis (VNN) in Silver pompano ( <i>Trachinotus blochii</i> ) against Inactivated, Recombinant and DNA vaccines by various delivery methods (intramuscular, intraperitoneal and Oral)	RAMESHKUMAR	T6S2.73
74	Rapid detection of Red Sea Bream Iridovirus disease (RSIVD) by Recombinase Polymerase Amplification Assay (RPA)	Muhammed P	T6S2.74

75	Construction of a recombinant bacterial clone for assisting the PCR-based molecular surveillance of Infectious hypodermal and hematopoietic necrosis virus infections	Dhanutha	T6S2.75
76	Prevalence of White Spot Syndrome Virus in Wild & Farm Populations of Shrimps Post Covid-19 Lockdown	MPPAULTON	T6S2.76
77	Investigation of the characteristics of trained immunity in tilapia head kidney macrophages	Rr David Waikhom	T6S2.77
<b>Session 3: Processing, Value Addition, Quality Control &amp; Social Sciences</b>			
1	Preparation of colorimetric spoilage indicators using plant anthocyanin extracts for intelligent packaging application in fish (Session Presentation)	REMYA S	T6S3.01
2	Appertization as a sustainable technology to preserve green mussel in traditional Ready-to-serve form and its commercialization	C O Mohan	T6S3.02
3	Mathematical modelling of the drying characteristics of marinated anchovy in infra-red dryer	Neethu K C	T6S3.03
4	Unraveling the charisma of flavored 'muziris' oysters: an exploratory study	B JENNI	T6S3.04
5	Drying kinetics of clam in hot air-assisted continuous infrared dryer	Aniesrani D	T6S3.05
6	ICAR-CIPHET Fish Steaking Technology for easy and hygienic fish dressing and waste management	Vikas Kumar	T6S3.06
7	The effect of high-pressure processing on the quality of seafood meat – A review	Patel Shiva	T6S3.07
8	Industrial extraction as well as microscopic, biological, chemical and structural characterization of salt from commercial marine red seaweed <i>Kappaphycus alvarezii</i> (Doty) L.M. Liao and its comparison with other edible salts	Bhagirath R	T6S3.08
9	Environmentally friendly nanochitin preparation from shrimp shell chitin using organic acid hydrolysis enhanced by steam explosion	Soibam Ngas	T6S3.09
10	Protein hydrolysate from pink perch ( <i>Nemipterus japonicus</i> ) head waste during surimi processing: Optimization of extraction condition by response surface methodology and their characterization	Sathish Kum	T6S3.10
11	A demonstrative investigation on icing as an implementable solution to foul smell association with shrimp peeling waste	Elavarasan	T6S3.11
12	Supplementation of agri-wastes based hydrochar to augment microalgae biodiesel production for sustainable fisheries	V Santhana	T6S3.12
13	Domestic Market Fish Waste to Green Innovation: recovering high value enzymes as a path to sustainable resource utilisation	Sahana M D	T6S3.13
14	Real-time authentication of shrimp species identity using ion mobility-rapid evaporative ionization mass spectrometry prevents seafood fraud	Niladri Sek	T6S3.14
15	Development of microbial hydrolysis as a green pretreatment technology for the tropical red seaweed, <i>Gracilaria corticata</i> , during 3-G bioethanol production	Ros Kooren	T6S3.15
16	Formulating microbial degradation as an eco-friendly strategy for lobster shell waste management	Amala PV	T6S3.16

17	An investigation into the incidence of non-lactose fermenting Enterobacterales in fresh seafood	Manjusha L	T6S3.17
18	Detection of Cronobacter sakazakii in seafood by colony hybridization using a biotin-labelled probe	Sanju Nehra	T6S3.18
19	Phylogenetic diversity of quinolone-resistant ESBL-producing Escherichia coli isolates from seafood	Dhanush C K	T6S3.19
20	Marine fishing methods in India: An Economic Analysis	Narayana Ku	T6S3.20
21	Vulnerability of fishery-based livelihoods to climate hazards: Insights from small-scale fisher households in Kerala state	ASWATHY N	T6S3.21
22	Dried fish powder from Stolephorus sp. Improves health status of children: A nutritional study in tribal district of Odisha	Akshay P	T6S3.22
23	Exploring the Consumer Perceptions of Novel Fish Skin Leather Developed Using Discarded Fish Skins	Shubham Soni	T6S3.23
24	Novel fish-based products for better health and nutrition: Interventions among vulnerable population in India	Gopika R	T6S3.24
25	Stakeholder consultative process in participatory social impact analysis and beneficiary assessment in project evaluation	D Rajasekar	T6S3.25
26	Quantifying Women's Empowerment in Aquaculture: A Study in Jagatsinghpur, Odisha	Biswajit Sa	T6S3.26
27	Risk sharing and informal credit transactions in marine fisheries: Implications for policy	A Suresh	T6S3.27
28	Biodiversity – Environment impact and participatory social impact assessment for certification of shrimp farming in coastal region of Andhra Pradesh	D Rajasekar	T6S3.28
29	Value added fish products: A potential alternative for livelihood improvement & entrepreneurship development in Northeastern region of India	AMJAD K BAL	T6S3.29
30	Import rejections of Indian seafood products in international markets – Trends and causes	SACHU SARA	T6S3.30
31	Impact of rising fuel prices on gillnet and longline fishing Vessels' operations at Thoppumpady Fishing Harbour, Kerala	Chandraseka	T6S3.31
32	Fish Consumption in India: Evidence from Indian households	Rajesh I D	T6S3.32
33	Occupational hazards faced by marine fish retailers in the coastal state of Odisha, India	Suchismita	T6S3.33
34	Eco-tourism Initiatives in the mangrove and coral reef areas of the Gulf of Mannar and Palk Bay- An outlook	Saravanan R	T6S3.34
35	Fish demand paradigms and perspectives across Telangana, India	SS Raju	T6S3.35

## Theme 7: Nature-based Solutions for Sustainable Agri-food Systems

Sl No.	Abstract Title	Authors	Code
<b>Session 1: Water Harvesting and Enhancing Water Productivity</b>			
1	Bio-drainage systems in the food industry: Concept and design for zero discharge production unit (Session Presentation)	Manoranjan Kumar	T7S1.01
2	Need for ecosystem approach for water quality management in Mangaluru, south India	Bindu Sulochanan and Veena Shettigar	T7S1.02

3	Contextualizing nature-based solutions for sustainable sewage treatment in traditional urban water bodies to promote urban agriculture in Madurai, India	Lokesh S	T7S1.03
<b>Session 2: Soil Health and its Restoration</b>			
1	Community-level physiological profiling of soil microbial communities under varied salt loads	Madhu Choudhary	T7S2.01
2	Cut-soiler assisted subsurface sodicity reclamation increases rice-wheat yield in Indo-Gangetic plains	Manisha	T7S2.02
3	Impact of agri-food system integrated with eco-friendly nutrient management technologies on farm-based tribal livelihoods of Madhya Pradesh	Shinogi K.C.	T7S2.03
4	Enhancing sustainable agri-food systems through optimal spacing and phosphorus management through organic and inorganic sources	Kousalya	T7S2.04
5	Assessment of SOC stocks and SOC density on the cotton growing belt of South Gujarat as influenced by diversified crop condition	S. M. Bambhaneeya and N. H. Garaniya	T7S2.05
6	Simulated cut-soiler (PSSD) reduces soil salinity and improves mustard production in saline arid regions	Neha	T7S2.06
7	Enhancing sustainable agri-food systems through optimal spacing and phosphorus management in irrigated blackgram	Kousalya	T7S2.07
8	Risk assessment and management of arsenic in rice soils: A case study in Nadia Bengal	Rahul Mishra	T7S2.08
9	Salinity management through cut-soiler-constructed preferential shallow sub-surface drainage for higher crop production in salty ecologies	Gajender Yadav	T7S2.09
10	Carbon sequestration through composting of aquatic weeds in the Kuttanad region of Kerala, south India	P. MURALIDHARAN and K. SAJNANATH	T7S2.10
11	Biochar: A tool for mitigating climate change	Ambuj Kumar Singh and kajal Verma	T7S2.11
12	Build-up or depletion of soil phosphorus and potassium of alfisols after long-term manuring, fertilisation and continuous cropping?	Dhiraj Kumar	T7S2.12
13	Engineered microbes for waste biomass-based pigment production	Harsh saini	T7S2.13
<b>Session 3: Ensuring Nutritional Security through Natural Resource Management</b>			
1	Sustainable intensification and diversification options for enhancing productivity and farm income in tobacco-based systems of Andhra Pradesh	Kiran Kumar	T7S3.01
2	Pond liming: A nature-based solution for invasive aquatic plant species management and ecosystem restoration	Prameela P Savitha Antony Gowtham S.G.	T7S3.02
3	Traditional farming system as a nature-based solution to enhance ecosystem services: Role of species richness and management intensity	Paramesha V Parveen Kumar	T7S3.03



4	Development of chitosan-based packaging films impregnated with clove oil for aflatoxin management in chilli and nutmeg	Anees K	T7S3.04
5	Isolation and characterization of anti-inflammatory isochromanlyl compound from an intertidal brown seaweed <i>Turbinaria conoides</i>	Shubhajit Dhara	T7S3.05
6	Investigating the potential of bio-optics for assessing the health status of Vembanad Lake in Kerala, south India	Anju R.	T7S3.06
7	Qualitative and quantitative appraisal of ecosystem services of Chettuva - A small tropical Indian estuary	Sreekanth Giri Bhavan	T7S3.07
8	Biochar technology for sustainable aquaculture	Chalungal T Amal	T7S3.08
9	Coastal habitat restoration and improving community resilience by artificial reefs along the Indian coast	Joe K Kizhakudan	T7S3.09
10	Potential Arka microbial consortium mitigates drought stress and improves yield in cowpea ( <i>Vigna unguiculata</i> )	Gowryparvathy B	T7S3.10
11	Ecological and biological criteria to prioritize the selected coastal ecosystem for biodiversity conservation: Andhra Pradesh prospective	Pralaya Ranjan Behera	T7S3.11
12	Micro-level environment management plan for aquaculture and allied sector and mapping for Mulavukad, a coastal village, in the Vembanad Lake Ecosystem, Kochi, Kerala, India	Shelton Padua	T7S3.12
13	Water quality parameters and phytoplankton composition of Kumbalangi backwaters during blooming and non-blooming period	Dipti N.V	T7S3.13
14	Correlation and regression studies on growth, yield attributes and nutrient uptake of traditional rice varieties under System of Rice Intensification (SRI)	Jennifer Flora	T7S3.14
15	Drought-tolerant rhizobial and non-rhizobial endophytes induced osmotic stress tolerance in black gram ( <i>Vigna mungo</i> L.) by the footprints of metabolomics	Brundha Annadurai	T7S3.15
16	Promoting sustainability and adaptation in modern agriculture with nano-enable biomaterials	Jai vardhan sangat	T7S3.16
17	Using nature-derived polymers, the concept of developing nano-delivery systems for agricultural and food applications	Harsh saini	T7S3.17
18	Natural chemicals and revolutionary nanotechnology-based control strategies for the plant protection and food packaging industries	Jai vardhan sangat	T7S3.18
19	Management of insect pests infesting brinjal under organic farming	Hemant Swami	T7S3.19
20	Bio-efficacy of various bio-pesticides against brinjal shoot and fruit borer <i>Leucinodes orbonalis</i>	M.K. Mahla	T7S3.20
21	Management of brinjal shoot and fruit borer using selected biopesticides	Anil Vyas	T7S3.21

**Theme 8: Next Generation Technologies:  
Digital agriculture, Precision farming and AI-based systems**

SL. No.	Abstract Title	Authors	CODE
<b>Session 1: Digital Agriculture</b>			
1	Site-specific spraying system for eco-friendly disease management in vegetable crops	Rohit Anand and Roaf Ahmad Parray	T8S1-01
2	Automation of irrigation pump for enhancing agricultural water productivity	SK Rautaray et al	T8S1-02

3	Picro-DB: A comprehensive genomic resource portal for <i>Picrorhiza kurroa</i> , a medicinal plant	Prakash Kumar et al	T8S1-03
4	Effect of accelerated ageing on seed coat anatomy	Selvarani K and Pallikonda Rajasekaran M	T8S1-04
5	Mid-infrared spectroscopy for assessment of soil health in India	Nishant K Sinha	T8S1-05
6	Soil test crop response based online fertilizer recommendation system for FCV tobacco yield targets in northern light soils of Andhra Pradesh	H Ravi Sankar et al	T8S1-06
7	Does the method to calculate soil water dynamics in a crop model change yield predictions, and what it means for climate change impact assessment?	Sruthi Surendran and Deepak Jaiswal	T8S1-07
8	Benefits and implications of adopting raised bed pneumatic precision multi-crop planter: Ground breaking technology	Avesh Kumar Singh et al	T8S1-08
9	Exploring occupational hazards and the role of life saving gadgets among small-scale motorised fishermen of the southern coast of India	Sabu Mariadason and Shinoj Parappurathu	T8S1-09
10	Revolutionising agriculture: Harnessing the power of digital technology	Dilip Kumar Kushwaha et al	T8S1-10
11	Adoption of agricultural technologies <i>vis-à-vis</i> communication networks	CN Anshida Beevi et al	T8S1-11
12	Development of sustainable agri-food system by digital food hubs	Harsh Saini et al	T8S1-12
13	Integrating digital and Hi-Tech farming practices for enhanced agricultural safety and productivity: A case study in Pali District, Rajasthan, India	Sanjay Khatri et al	T8S1-13
<b>Session 2: Artificial Intelligence based Systems</b>			
1	Diversity in fished taxa of Andhra Pradesh: Mined insights from marine fishery resources database	Sreepriya V et al	T8S2-01
2	Dugong habitat and distribution: An Ensemble Distribution Model-based approach for conservation planning	Vinayak S et al	T8S2-02
3	Long short-term memory based regression approach for freshness assessment of Genetically Improved Farmed Tilapia	S Murali et al	T8S2-03
4	Convolution NEURAL NETWORK-BASED NITROGEN DEFICIENCY DETECTION IN PLANTS USING LEAF IMAGES	Anish Sathyan et al	T8S2-04
5	Introducing the AI-DISC Mobile App: Advancing intelligent crop health management through Artificial Intelligence for disease identification in crops	Sudeep Marwaha et al	T8S2-05
6	Compact field-savvy instrument for rapid detection of aflatoxins-B1 in maize using a hyperspectral imaging system with machine learning	Chakraborty SK et al	T8S2-06
7	Evaluating the impact of agricultural practices on Lake Vembanad through water colour assessment using Forel-Ule datasets	Ancy C Stoy et al	T8S2-07
8	Potential of Generative AI and Large Language Models (LLMs) in advancing digital agriculture – A review	Debabrata Sethi et al	T8S2-08
9	Denosing based Stacked Autoencoder Deep Learning Models for onion price forecasting	K N Singh et al	T8S2-09

10	Integrated robotic weed management using AI and Internet of Things	D K Kushwaha et al	T8S2-10
11	Patents on artificial intelligence provides insights for technological advancements and Competitive intelligence in aquaculture sector	Poonam Jayant Singh et al	T8S2-11
12	Harnessing modern agriculture: The growing role of Internet of Things (IoT) and Machine Learning technologies in predictive analytics	Kundan Chaudhary et al	T8S2-12
<b>Theme 9: Policies and Institutions for Transforming Agri-food Systems</b>			
<b>Sl No.</b>	<b>Abstract Title</b>	<b>Authors</b>	<b>CODE</b>
<b>Session 1: Food System Transformation: Role of Policies and Institutions</b>			
1	Impact of improved forage cultivation on milk productivity and fodder availability in Bundelkhand region of Uttar Pradesh: A doubly robust analysis	Purushottam Sharma et al	T9S1-01
2	Impact of blending policy on mustard oil prices in India: Insights from a Bayesian Structural Causal Inference Model	Md Yeasin et al	T9S1-02
3	Role of local leadership and collective action to adopt soybean cultivation innovations in ex-sand quarry land: A case study from Cibulan Village in West Java, Indonesia	Suhirman and Eko Fajar Setiawan	T9S1-03
4	Drivers of adoption of sustainable land management practices and its impact on food security and income variability: A case study from Jhansi District of Uttar Pradesh	Priyanka Singh et al	T9S1-04
5	Enhancing entrepreneurship in fisheries through effective client management from Agri-Business Incubation Centre: Strategies and policies for success	Razia Mohamed A et al	T9S1-05
6	Promotion of spice cultivation in agroforestry systems in Palakkad District, Kerala, south India	Rajeev P et al	T9S1-06
7	A silver bullet or a policy quagmire: An evaluation of the prospects of FDI in spices and plantation crops	Lijo Thomas and Rajeev P	T9S1-07
8	The value chains of selected agribusinesses in the states of Uttar Pradesh and Uttarakhand: An analytical framework for way forward	Dubey SK et al	T9S1-08
9	Learning from the pandemic: Lessons on resilience from the marine fisheries sector in India	Anuja AR et al	T9S1-09
10	Rebuilding with communities: CIT model analysis of stakeholder consultation in marine fisheries sector in India	Akhila Kumaran et al	T9S1-10
11	Technology-led transformation in a Kerala fishing village: Evidence and insights for a policy shift	Aiswarya Sali et al	T9S1-11
12	Unleashing the potential of aquaculture for youth employment and livelihood security	Abigail Fernandes et al	T9S1-12
13	Governance gateway for achieving sustainable food system – A case of marine fisheries governance in Andhra Pradesh	Charles Jeeva J et al	T9S1-13
14	Buyer-seller meet as a tool to foster farmer-market linkage towards assured marketing of farm produce: An experience of Ernakulam KVK	Pushparaj Anjelo F et al	T9S1-14

15	Policy perspectives on emerging invasive alien aquatic species in Indian waters: Balancing contemporary fish-food demand, national priorities, and sustainable development goals	Tarachand Kumawat and Uttam Kumar Sarkar	T9S1-15
16	Role of policies and institutions in transforming millet-based food systems	Ritambhara Singh and Sweta Mishra	T9S1-16
17	Current trends, constraints, and future prospects of biopesticides in pest management	Devindrappa M et al	T9S1-17
<b>Session 2: Diet Diversification and Food System Transformation</b>			
1	Cereal market outlook for India to 2040-41 and crop diversification: Implications for nutrition and environment	Jaiprakash Bisen et	T9S2-01
2	Impact of integrated farming systems on farmers income and dietary diversity in India: A case study	Raghavendra KJ et	T9S2-02
3	Transformative research priorities for gelatinous marine organisms in India: Exploring the diversified potential future food resource and its sustainable management plan	Tarachand Kumawat and Uttam Kumar Sarkar	T9S2-03
<b>Session 3: Agri-food system transformation towards high-value commodities</b>			
1	Sustainability of the sugar sector <i>vis-a-vis</i> new biofuel policy in India	R Viswanathan and L S Gangwar	T9S3-01
2	Impact of agricultural interventions on farm income and asset holding of SC farmers: A case study of the Schedule Caste Sub Plan (SCSP) scheme in Jhansi, Uttar Pradesh	Bishwa Bhaskar Choudhary et al	T9S3-02
3	Crop size fixation in FCV tobacco: A proficient policy instrument to ensure supply-demand balance and price stability	K Viswanatha Reddy et al	T9S3-03
4	Litchi-based integrated nutri-farming systems for augmenting farm income and sustainability	Bhagya Vijayan et al	T9S3-04
5	Crop diversification towards high-value commodities in the state of Maharashtra	Sachin S More and Kaveri Y Khairnar	T9S3-05
6	Sustainability assessment of banana value chains in Palakkad District, Kerala: An insight into the 'Auction System Value chain'	Nikhil K S et al	T9S3-06
7	'Urban-agri' - A transformation in agri-food system to achieve sustainable development	Harsh Saini and Sakshi Paliwal	T9S3-07
<b>Theme 10: International Partnership for Research, Education and Development</b>			
SI No	Abstract Title	Authors	CODE
1	Impact assessment of Academia: Accounting and valuation of human capital in indian fisheries higher education	Neha Wajahat Qureshi	T10-01
2	News value of the Agriculture Sector	Siseena J.	T10-02