



**7<sup>th</sup>**  
AGRICULTURAL GRADUATE STUDENTS CONFERENCE  
**AGSC 2021**

# **Food, Farmers and Future: Envisioning Amassment of Regenerating and Nourishing Food**



**PROGRAMME**



School of Post Graduate Studies  
Tamil Nadu Agricultural University  
Coimbatore 641 003

SCHOOL OF POST GRADUATE STUDIES  
TAMIL NADU AGRICULTURAL UNIVERSITY, COIMBATORE, INDIA

INAUGURAL CEREMONY (09:30 AM - 10:35 AM)

DAY I: 07.09.2021 (TUESDAY)

PROGRAMME

VENUE : ANNA AUDITORIUM, TNAU, COIMBATORE

09.15 AM - 09.30 AM (IST)	ASSEMBLAGE	PARTICIPANTS & DELEGATES
09.30 AM - 09.35 AM (IST)	WELCOME ADDRESS	Mr. M. GUNA II Ph.D. (Agrometeorology), TNAU, Coimbatore
09.35 AM - 09.40 AM (IST)	INTRODUCTORY REMARKS	Dr. J.S. KENNEDY Dean, SPGS, TNAU, Coimbatore
09.40 AM - 09.45 AM (IST)	FELICITATION	Dr. M. KALYANASUNDARAM Dean, AC&RI, TNAU, Coimbatore
09.45 AM - 09.50 AM (IST)		Dr. L. PUGALENDHI Dean, HC&RI, TNAU, Coimbatore
09.50 AM - 09.55 AM (IST)		Dr. B. SHRIDAR Dean, AEC&RI, TNAU, Coimbatore
09.55 AM - 10.00 AM (IST)		Dr. S. AMUTHA Dean, CSC&RI, TNAU, Madurai
10.00 AM - 10.05 AM (IST)		Dr. K.T. PARTHIBAN Dean, FC&RI, TNAU, Mettupalayam
10.05 AM - 10.10 AM (IST)	RELEASE OF CONFERENCE PROCEEDINGS	DIGNITARIES ON THE DAIS
10.10 AM - 10.20 AM (IST)	PRESIDENTIAL ADDRESS	Prof. Dr. N. KUMAR Vice-Chancellor, TNAU, Coimbatore
10.20 AM - 10.30 AM (IST)	KEY NOTE ADDRESS	Dr. V. PRAVEEN RAO Vice-Chancellor, PJTSAU, Hyderabad
10.30 AM - 10.35 AM (IST)	VOTE OF THANKS	Mrs. T. ILAKIYA II Ph.D. (Vegetable Science), TNAU, Coimbatore
10.35 AM - 10.45 AM (IST)	REFRESHMENTS	IN FRONT OF ANNA AUDITORIUM

CONCURRENT SESSION I (10:45 AM - 01:30 PM)

DAY I: 07.09.2021 (TUESDAY)

**THEME 1: DESIGNING NOURISHING FOOD FOR FUTURE: PERSPECTIVES IN CROP IMPROVEMENT**

CHAIR	Dr. S. Geetha Director (CPBG), TNAU, Coimbatore	VENUE : SEMINAR HALL, CPBG, TNAU, COIMBATORE
FACULTY CO-CHAIR 1	Dr. N. Meenakshiganesan Professor & Head (GPB)	STUDENT CHAIRPERSON Ms. Debadatta Panda II Ph.D. (Genetics and Plant Breeding)
FACULTY CO-CHAIR 2	Dr. S. Rajeswari Professor & Head (Cotton)	STUDENT RAPPOREUR Dr. D. Nagarajan Teaching Assistant (PBG)

Invited Talks	S.No.	Time (IST)	Name of the Speaker	Title of the Presentation
	SP 0101	10:45 AM - 11:30 AM	Dr. Umesh K. Reddy Professor of Genetics and Genomics, West Virginia State University, USA	CONVENTIONAL AND MOLECULAR TECHNIQUES FROM SIMPLE BREEDING TO MOLECULAR BREEDING
	SP 0102	11:30 AM - 12:15 PM	Dr. M. Vetriventhan Senior Scientist (Genetic Resources), ICRISAT, Hyderabad, India	PLANT GENETIC RESOURCES: STRATEGIES FOR MINING NOVEL VARIATION IN THE LARGE <i>EX SITU</i> COLLECTION

Oral Presentations	S.No.	Time (IST)	Name of the Presenter	Title of the Presentation
	OP 0101	12:15 PM - 12:30 PM	M. Tamilzharasi	CREATION OF VARIABILITY FOR POWDERY MILDEW RESISTANCE IN BLACKGRAM USING DIFFERENT BREEDING APPROACHES
	OP 0102	12:30 PM - 12:45 PM	V. Revathy	EFFECT OF PHYTOHORMONES ON SEED QUALITY TRAITS OF MAIZE UNDER DIFFERENT TEMPERATURE REGIMES
	OP 0103	12:45 PM - 01:00 PM	Pooja Kathare	ELUCIDATING DIFFERENTIALLY EXPRESSED WATER STRESS RESPONSIVE GENES AMONG MINOR MILLET AND MAJOR CEREAL, RICE ( <i>Oryza sativa</i> L.)
	OP 0104	01:00 PM - 01:15 PM	M. Akilan	EVALUATION OF G×E INTERACTION UNDER SODIC AND NORMAL SOIL CONDITIONS IN SHORT DURATION GENOTYPES OF RICE ( <i>Oryza sativa</i> L.)
	OP 0105	01:15 PM - 01:30 PM	M. Dhanalakshmi	ROLE OF CHELATED MICRONUTRIENTS IN RELATION TO UPTAKE OF NITROGEN IN RICE

**THEME 2: NEW VISTAS IN RESILIENT FARMING: TRENDS AND CHALLENGES IN CROP MANAGEMENT**

CHAIR	Dr. V. Geethalakshmi Director (CMS), TNAU, Coimbatore	VENUE : FREEMAN HALL, DEPT. OF AGRONOMY, TNAU, COIMBATORE
FACULTY CO-CHAIR 1	Dr. C.R. Chinnamuthu Professor & Head (Agronomy)	STUDENT CHAIRPERSON Ms. V. Monisha II M.Sc. (Agronomy)
FACULTY CO-CHAIR 2	Dr. M.K. Kalarani Professor & Head (Crop Physiology)	STUDENT RAPPOREUR Dr. M. Dhasarathan Research Associate (ACRC)

Invited Talks	S.No.	Time (IST)	Name of the Speaker	Title of the Presentation
	SP 0201	10:45 AM - 11:30 AM	Dr. S.V. Krishna Jagadish Professor (Crop Ecophysiology), Adjunct Scientist-IRRI (Philippines), Department of Agronomy, Kansas State University, USA	NEW VISTAS IN RESILIENT FARMING: CHALLENGES IN CROP MANAGEMENT
	SP 0202	11:30 AM - 12:15 PM	Dr. N. Devakumar Professor (Agronomy) & Registrar, University of Agricultural Sciences, GKVK, Bengaluru, India	RESILIENCE APPLIED TO FARMING: ORGANIC FARMERS' PERSPECTIVES

Oral Presentations	S.No.	Time (IST)	Name of the Presenter	Title of the Presentation
	OP 0201	12:15 PM - 12:30 PM	K. Vithya	EFFECT OF HEXANAL AND BORIC ACID ON SHELF LIFE OF NERIUM ( <i>Nerium oleander</i> L.) FLOWERS
	OP 0202	12:30 PM - 12:45 PM	T. Saranraj	EFFECT OF INTERCROPPING AND DOUBLE ROW PLANTING ON GROWTH ATTRIBUTES, YIELD OF SUGARCANE UNDER SUSTAINABLE SUGARCANE INITIATIVE
	OP 0203	12:45 PM - 01:00 PM	A. Kayalvizhi	EFFECT OF MOISTURE STRESS AND STRESS AMELIORANTS ON PHENOLOGY AND DRY MATTER PRODUCTION IN PEARLMILLET ( <i>Pennisetum glaucum</i> L.)
	OP 0204	01:00 PM - 01:15 PM	M. Guna	ICE NUCLEATION ACTIVE BACTERIA AND ITS MITIGATION ON TOMATO
	OP 0205	01:15 PM - 01:30 PM	C.K. Sanjay Krishna	STUDIES ON COMPATIBILITY OF PULSE CROPS WITH <i>Simarouba glauca</i> DC.

### THEME 3: EMERGING PARADIGMS IN CROP PROTECTION

CHAIR	Dr. K. Prabakar Director (CPPS), TNAU, Coimbatore	VENUE : VIDEO CONFERENCE HALL, DEPT. OF PLANT PATHOLOGY, TNAU, COIMBATORE
FACULTY CO-CHAIR 1	Dr. N. Sathiah Professor & Head (Agrl. Entomology)	STUDENT CHAIRPERSON Mr. K. Ashok I Ph.D. (Entomology)
FACULTY CO-CHAIR 2	Dr. G. Karthikeyan Professor & Head (Plant Pathology)	STUDENT RAPPOREUR Mr. T. Sathyan III Ph.D. (Entomology)

Invited Talks	S.No.	Time (IST)	Name of the Speaker	Title of the Presentation
	SP 0301	10:45 AM - 11:30 AM	Dr. Surendra Dara Entomology & Biologicals Advisor, University of California, Division of Agriculture and Natural Resources, San Luis Obispo, CA	THE NEW INTEGRATED PEST MANAGEMENT PARADIGM FOR THE MODERN AGE
	SP 0302	11:30 AM - 12:15 PM	Dr. Mamta Sharma Theme Leader - Integrated Crop Management, Research Program-Asia ICRISAT, Hyderabad, India	GENOME ANALYSIS OF PATHOGENIC MICROBES

Oral Presentations	S.No.	Time (IST)	Name of the Presenter	Title of the Presentation
	OP 0301	12:15 PM - 12:30 PM	M. Ayyandurai	GC-MS ANALYSIS OF ANTIMICROBIAL COMPOUNDS PRODUCED BY MAHUA OIL CAKE AGAINST THE STEM ROT PATHOGEN - <i>Sclerotium rolfsii</i>
	OP 0302	12:30 PM - 12:45 PM	T.D. Jayabal	OLFACTORY RESPONSE OF LEGUME POD BORER, <i>Maruca vitrata</i> MOTHS (LEPIDOPTERA, CRAMBIDAE) TO VOLATILES FROM DIFFERENT PLANT PARTS OF DOLICHOS BEAN ( <i>Lablab purpureus var. typicus</i> )
	OP 0303	12:45 PM - 01:00 PM	S. Lekha Priyanka	PARASITIC POTENTIAL OF TELENOMUS REMUS NIXON (HYMENOPTERA: SCELIONIDAE) ON <i>Spodoptera frugiperda</i> (SMITH) (LEPIDOPTERA: NOCTUIDAE) IN MAIZE
	OP 0304	01:00 PM - 01:15 PM	N. Dharani Priya	SYNERGISTIC TOXICITY OF MACRO MARINE ALGAL EXTRACTS WITH AZADIRACHTIN AND B-ASARONE MIXTURES AGAINST A COSMOPOLITAN PEST, <i>Spodoptera litura</i> FABRICIUS
	OP 0305	01:15 PM - 01:30 PM	T. Praveen	VOLATILOMES MEDIATED ANTIFUNGAL ACTIVITY AGAINST <i>Fusarium oxysporum F. sp. lycopersici</i> INFECTING TOMATO

**THEME 9: APPROACHES IN BIO NANOTECHNOLOGY FOR ENHANCING AGRICULTURAL PRODUCTIVITY**

CHAIR	Dr. S. Mohan Kumar Director (CPMB&B), TNAU, Coimbatore	VENUE : SEMINAR HALL I, CPMB&B, TNAU, COIMBATORE
FACULTY CO-CHAIR 1	Dr. R. Gnanam Professor & Head (Bioinformatics)	STUDENT CHAIRPERSON Ms. S. Viswabharathy II Ph.D. (Genetics and Plant Breeding)
FACULTY CO-CHAIR 2	Dr. A. Lakshmanan Professor & Head (Nano Science & Tech.)	STUDENT RAPPORTEUR Dr. P. Kumaresan Senior Research Fellow (WTC)

Invited Talks	S.No.	Time (IST)	Name of the Speaker	Title of the Presentation
	SP 0901	10:45 AM - 11:30 AM	Dr. Senthil Subramanian Professor, Department of Agronomy, Horticulture and Plant Science, Department of Biology & Microbiology, South Dakota State University, USA	BIOTECHNOLOGY IN ENHANCING AGRICULTURAL PRODUCTIVITY
	SP 0902	11:30 AM - 12:15 PM	Dr. Nirmalesh K. Sampath Kumar Director of Innovation and R&D, Vee Technologies, Tamil Nadu, India	MARKET DRIVEN NANO RESEARCH AND PRODUCTS IN AGRICULTURE

Oral Presentations	S.No.	Time (IST)	Name of the Presenter	Title of the Presentation
	OP 0901	12:15 PM - 12:30 PM	J. Jayabharathi	COMPARISON OF CURCUMIN AND NANOCURCUMIN FOR PARAMETERS DECIDING BIOAVAILABILITY
	OP 0902	12:30 PM - 12:45 PM	S. Preetha	ELECTROSPUNNANOFIBERS FOR CONTROLLED RELEASE OF HEXANAL TO EXTEND THE SHELF LIFE IN MANGO FRUITS (var. Neelum)
	OP 0903	12:45 PM - 01:00 PM	K.R. Manikandan	FIELD EVALUATION OF TNAU NANO BIO-PESTICIDE FORMULATION AGAINST TEA MOSQUITO BUG, <i>Helopeltis theivora</i> WATERHOUSE IN TEA
	OP 0904	01:00 PM - 01:15 PM	J.I. Reuben Kalu	PHYTOCHEMICAL AND <i>IN-SILICO</i> EVALUATION OF THE PHARMACEUTICAL IMPORTANT BIOMOLECULES PRESENT IN LEAF AND SEED EXTRACTS OF <i>Mucuna pruriens</i>
	OP 0905	01:15 PM - 01:30 PM	S. Aisvarya	ZINC OXIDE NANOPARTICLES AS A SEED PROTECTANT AGAINST <i>Sitophilus oryzae</i> IN MAIZE

**LUNCH BREAK (01:30 PM - 02:15 PM)**

CONCURRENT SESSION II (02:15 PM – 05:00 PM)

DAY I: 07.09.2021 (TUESDAY)

THEME 4: ENHANCING SUSTAINABLE USE OF NATURAL RESOURCES FOR ENHANCING FOOD PRODUCTION

CHAIR	Dr. R. Santhi Director (NRM), TNAU, Coimbatore	VENUE : GOLDEN JUBILEE HALL, DEPT. OF SOIL SCIENCE AND AGRICULTURAL CHEMISTRY, TNAU, COIMBATORE
FACULTY CO-CHAIR 1	Dr. P. Malavizhi Professor & Head (SS&AC)	STUDENT CHAIRPERSON Mr. M. Jagadesh II Ph.D. (Soil Science & Agrl. Chemistry)
FACULTY CO-CHAIR 2	Dr. V. Gomathi Professor & Head (Agrl. Microbiology)	STUDENT RAPporteur Mr. G. Sivasankaran II M.Sc. (Environmental Science)

Invited Talks	S.No.	Time (IST)	Name of the Speaker	Title of the Presentation
	SP 0401	02:15 PM – 03:00 PM	Dr. C.N. Neeraja Principal Scientist (Biotechnology), Crop Improvement, ICAR-Indian Institute of Rice Research, Hyderabad, India	APPROACHES IN BIOFORTIFICATION OF FOOD CROPS WITH NUTRIENTS
SP 0402	03:00 PM – 03:45 PM	Dr. Muthu Arumugam Senior Scientist, National Institute for Interdisciplinary Science and Technology (NIIST), CSIR, Trivandrum, Kerala, India	BIOPROSPECTING OF MICROBIAL STRAINS FOR BIOFUEL PRODUCTION	

Oral Presentations	S.No.	Time (IST)	Name of the Presenter	Title of the Presentation
	OP 0401	03:45 PM – 04:00 PM	A. Pavithra	ASSESSMENT OF FLUORIDE CONTAMINATION AND ITS RELATIONSHIP WITH CHEMICAL PROPERTIES OF SOIL
	OP 0402	04:00 PM – 04:15 PM	P. Naveena	EFFECT OF NITROGEN SOURCES, MICRONUTRIENTS AND HUMIC ACID ON GROWTH AND YIELD OF PADDY IN AN ALFISOL OF TAMIRAPARANI COMMAND AREA
	OP 0403	04:15 PM – 04:30 PM	L. Kathirvel	EFFECT OF PARALLEL DRAIN SUBSURFACE SYSTEM ON SOIL CHARACTERISTICS OF WATERLOGGED PADDY FIELD
	OP 0404	04:30 PM – 04:45 PM	A. Nischala	REPELLENCY AND TOXICITY OF DIFFERENT PLANT DERIVED COMPOUNDS AGAINST CIGARETTE BEETLE
	OP 0405	04:45 PM – 05:00 PM	G. Oviya	SALT STRESS ALLEVIATION IN GROUNDNUT BY USE OF RHIZOBIAL AND NON-RHIZOBIAL ENDOPHYTES



**THEME 7: PERSPECTIVES IN NUTRITION AND DIETETICS**

CHAIR	Dr. S. Amudha Dean, CSC&RI, TNAU, Madurai	VENUE : SEMINAR HALL, DEPT. OF VEGETABLE SCIENCE, HC&RI, TNAU, COIMBATORE
FACULTY CO-CHAIR 1	Dr. G. Gurumeenakshi Associate Professor (PHT)	STUDENT CHAIRPERSON Ms. C.G. Karishma II Ph.D. (Soil & Water Conservation Engg.)
FACULTY CO-CHAIR 2	Dr. P. Geetha Associate Professor (PHT)	STUDENT RAPPOREUR Dr. P. Vivek Teaching Assistant (Farm Machinery)

	S.No.	Time (IST)	Name of the Speaker	Title of the Presentation
<b>Invited Talks</b>	SP 0701	02:15 PM - 03:00 PM	Dr. H. Prathap Kumar Shetty Professor, Department of Food Science and Technology, Pondicherry University, Pondicherry, India	FERMENTATION AS A TOOL FOR VALUE ADDITION OF POST-HARVEST AGRICULTURAL PRODUCES
	SP 0702	03:00 PM - 03:45 PM	Dr. Manoj Kumar Scientist (Biochemistry), Chemical and Biochemical Processing Division, ICAR-Central Institute for Research on Cotton Technology, Mumbai, India	BIOACTIVE COMPOUNDS FROM PLANT MATRICES AND THEIR ROLE IN HUMAN HEALTH

	S.No.	Time (IST)	Name of the Presenter	Title of the Presentation
<b>Oral Presentations</b>	OP 0701	03:45 PM - 04:00 PM	S. Thirukkumar	EFFECT OF SIMPLE PROCESSING ON SELECTED ORGANOPHOSPHATE'S PESTICIDE RESIDUES IN COTTON SEED
	OP 0702	04:00 PM - 04:15 PM	S.K. Mathanghi	MOISTURE SORPTION ISOTHERM OF FREEZE-DRIED PALMYRA PALM TENDER FRUIT ENDOSPERM (NUNGU)
	OP 0703	04:15 PM - 04:30 PM	R. Sarojinibharathi	OPTIMIZATION OF DRYING PROCESS FOR THE DEVELOPMENT OF PUMPKIN FLESH AND SEED KERNEL FLOUR
	OP 0704	04:30 PM - 04:45 PM	V. Sathiamoorthy	QUANTIFICATION OF BIOACTIVE COMPOUNDS IN PIPER BETLE LEAVES EXTRACT BY GAS CHROMATOGRAPHY MASS SPECTROMETRY (GC-MS) TECHNIQUE
	OP 0705	04:45 PM - 05:00 PM	G. Pandidurai	STUDY ON PHYTOCHEMICAL COMPOUNDS RETENTION IN HPD DRIED DRUMSTICK POWDER BY GC- MS AND PCA ANALYSIS



**THEME 8: FOREST MANAGEMENT SCENARIOS IN A CHANGING CLIMATE**

CHAIR	Dr. K.T. Parthiban Dean, FC&RI, TNAU, Mettupalayam	VENUE : SEMINAR HALL II, CPMB&B, TNAU, COIMBATORE
FACULTY CO-CHAIR 1	Dr. K. Kumaran Professor & Head (Forestry)	STUDENT CHAIRPERSON Ms. Jikky Jayakumar II Ph.D. (Food Process Engineering)
FACULTY CO-CHAIR 2	Dr. M. Prasanthrajan Associate Professor (Forestry)	STUDENT RAPPOREUR Mr. V. Hadil Mon II M.Sc. (Microbiology)

Invited Talks	S.No.	Time (IST)	Name of the Speaker	Title of the Presentation
	SP 0801	02:15 PM - 03:00 PM	Dr. Sanjeev K. Chauhan Head, Department of Forestry and Natural Resources, Punjab Agricultural University, Ludhiana, India	SHORT ROTATION FORESTRY: ROLE IN SUSTAINABLE RAW MATERIAL GENERATION
	SP 0802	03:00 PM - 03:45 PM	Dr. Ramakrishna Hegde Professor and Head, Department of Silviculture and Agroforestry, College of Forestry, UAHS, Coorg, Karnataka, India	RECENT TRENDS IN FORESTRY AND AGROFORESTRY RESEARCH IN INDIA

Oral Presentations	S.No.	Time (IST)	Name of the Presenter	Title of the Presentation
	OP 0801	03:45 PM - 04:00 PM	R. Deepak Krishna	<i>Ailanthus excelsa</i> : AN ALTERNATE TREE SPECIES FOR PLYWOOD UTILITY
	OP 0802	04:00 PM - 04:15 PM	R. Saranya Kumari	EVALUATION OF GROWTH PERFORMANCE OF <i>Bixa rellana</i> L. PROGENIES UNDER NURSERY CONDITIONS
	OP 0803	04:15 PM - 04:30 PM	V. Manimaran	FLOWERING RESPONSE OF TAMARIND CLONES TO PRUNING UNDER HIGH DENSITY PLANTATION
	OP 0804	04:30 PM - 04:45 PM	M. Packialakshmi	STANDARDIZATION OF CUTTING SIZE FOR MINI-CLONAL PROPAGATION OF <i>Tectona grandis</i> LINN.
	OP 0805	04:45 PM - 05:00 PM	S. Krishnamoorthi	STUDIES ON SEASONAL VARIATION IN WATER QUALITY OF VELLODE BIRD SANCTUARY, ERODE, TAMIL NADU

**THEME 10: ENVIRONMENTAL, ECONOMIC AND SOCIAL DIMENSIONS OF FARM SUSTAINABILITY**

CHAIR	Dr. K.R. Ashok Director (CARDS), TNAU, Coimbatore	VENUE : DEIL LAB, DEPT. OF AGRICULTURAL EXTENSION & RURAL SOCIOLOGY, TNAU, COIMBATORE
FACULTY CO-CHAIR 1	Dr. D. Suresh Kumar Professor & Head (Agrl. Economics)	STUDENT CHAIRPERSON Mr. M. Venkatesh III Ph.D. (Agricultural Economics)
FACULTY CO-CHAIR 2	Dr. N. Venkatesa Palanichamy Professor & Head (ARM)	STUDENT RAPPORTEUR Dr. M. Uma Gowri Senior Research Fellow (Agrl. Economics)

Invited Talks	S.No.	Time (IST)	Name of the Speaker	Title of the Presentation
	SP 1001	02:15 PM - 03:00 PM	Dr. P. Indira Devi Director (Agri. Expert), Kerala State Farmer's Welfare Board, Kerala Agricultural University, Thrissur, Kerala, India	SUSTAINABLE FOOD SYSTEMS AND FARMERS' WELFARE
	SP 1002	03:00 PM - 03:45 PM	Dr. Sharachchandra Lele Distinguished Fellow in Environmental Policy & Governance, Centre for Environment & Development, Ashoka Trust for Research in Ecology and the Environment (ATREE), Bengaluru, India	ENVIRONMENTAL ISSUES AND SUSTAINABILITY

Oral Presentations	S.No.	Time (IST)	Name of the Presenter	Title of the Presentation
	OP 1001	03:45 PM - 04:00 PM	D. Senthamilselvi	CHARACTERIZATION OF OLEAGINOUS MICROALGAL CULTURE <i>Chlorella sp.</i> IN DIFFERENT PHYSIOLOGICAL CONDITIONS TO ENHANCE BIOMASS PRODUCTIVITY FOR BIOENERGY APPLICATION
	OP 1002	04:00 PM - 04:15 PM	S. Vignesh Kumar	FARMERS' WILLINGNESS TO PAY FOR EXTENSION SERVICES-ENHANCING PLURALISTIC EXTENSION NETWORK
	OP 1003	04:15 PM - 04:30 PM	P. Jagadeshwaran	INDIA'S TRADE POTENTIAL AND EXPORT OPPORTUNITIES FOR SPICES
	OP 1004	04:30 PM - 04:45 PM	Diyyala Reddyprasanna	INTRODUCTION OF <i>Bt</i> COTTON AND ITS IMPLICATION ON COTTON PRODUCTION SYSTEM IN INDIA
	OP 1005	04:45 PM - 05:00 PM	A. Ramya	NON-DESTRUCTIVE DETERMINATION OF OZONE STRESS ASSESSMENT USING SPECTRAL REFLECTANCE IN RICE CULTIVARS

**POSTER PRESENTATIONS (05:00 PM - 06:00 PM)**

POSTER PRESENTATIONS (05:00 PM – 06:00 PM)

DAY I: 07.09.2021 (TUESDAY)

**THEME 1: DESIGNING NOURISHING FOOD FOR FUTURE: PERSPECTIVES IN CROP IMPROVEMENT**

S.No.	Name of the Presenter	Title of the Presentation
PP 0101	K. Jothisri	ASSESSMENT OF STORABILITY OF BIOPRIMED MAIZE SEEDS BY THE ACCELERATED AGEING METHOD
PP 0102	P. Sathya	ASSOCIATION ANALYSIS FOR SEED YIELD AND COMPONENT TRAITS IN SEGREGATING POPULATIONS OF BLACKGRAM ( <i>Vigna mungo</i> (L.) Hepper)
PP 0103	Debadatta Panda	ASSOCIATION ANALYSIS IN <i>KABULI</i> CHICKPEA ( <i>Cicer arietinum</i> L.)
PP 0104	R. Vinothini	BIOFORTIFICATION OF ZINC IN RICE UNDER SODIC ENVIRONMENT
PP 0105	S. Salma Santhosh	CALCIUM ON GROWTH ATTRIBUTES OF TOMATO ( <i>Solanum lycopersicum</i> )
PP 0106	G.P. Chinnasamy	CORRELATION OF RADICLE EMERGENCE TEST TO PREDICT SEED VIGOUR AND FIELD EMERGENCE IN BLACKGRAM ( <i>Vigna mungo</i> L.) SEED LOTS
PP 0107	K. Dhivya	DNA FINGERPRINTING FOR THE IDENTIFICATION OF APPLE CULTIVAR KKL1 SPECIFIC RAPD MARKER
PP 0108	R. Abishek	EFFECT OF AGRONOMIC BIOFORTIFICATION OF IRON ON AMINO ACID PROFILE OF BARNYARD MILLET ( <i>Echinochloa frumentacea</i> ) GRAIN
PP 0109	G. Tamil Amutham	EFFECT OF ZINC FORTIFICATION ON YIELD ATTRIBUTES AND YIELD OF BABYCORN
PP 0110	Aiswarya Ravi	EFFECTS OF FOLIAR APPLICATION OF NUTRIENTS AND PLANT GROWTH REGULATORS ON QUALITY OF GUAVA CV. LUCKNOW-49
PP 0111	Snehal Giri	EVALUATION OF CHEMICAL PROPERTIES, TOTAL CAROTENOID CONTENT, AND TOTAL POLYPHENOL CONTENT OF CARROT OUT-GRADES AND ENCAPSULATED CARROT POWDER
PP 0112	R. Dhanalakshmi	FIELD EVALUATION FOR IDENTIFICATION OF SODICITY TOLERANT BARNYARD MILLET ( <i>Echinochloa frumentacea</i> (Roxb.) Link) GERMPLASMS
PP 0113	M.S. Ranjani	GENETIC ANALYSIS IN EARLY DURATION PIGEONPEA ( <i>Cajanus cajan</i> (L.) MillSp.)

PP 0114	D. Nagarajan	GENETIC VARIABILITY FOR QUANTITATIVE TRAITS IN M <sub>4</sub> GENERATION OF SOYBEAN MUTANT LINES ( <i>Glycine max</i> (L.) Merrill.)
PP 0115	Akashdeep Kamboj	IDENTIFICATION OF PROMISING DONORS FROM COLLECTION OF <i>Oryza nivara</i> ACCESSIONS FOR RESISTANCE TO SHEATH BLIGHT
PP 0116	M. Vetrivel	IMPACT OF DIFFERENT LEVELS OF IRON ON MITIGATION OF IRON CHLOROSIS IN VARAGU
PP 0117	T. Radhamani	<i>In vitro</i> PROPAGATION OF MORINGA ( <i>Moringa oleifera</i> ) TO ENSURE HIGH-THROUPT PRODUCTION OF GENETICALLY UNIFORM PLANTING MATERIALS
PP 0118	G. Akila	INTERACTION OF COPPER WITH TOTAL NPK CONTENT OF RICE ( <i>Oryza sativa</i> L.) IN TYPICAPLUSTALF
PP 0119	S.R. Sruthi	RELATIONSHIP AND ASSOCIATION ANALYSIS IN THE CULTIVATED AND WILD SPECIES OF SESAME
PP 0120	Allen Eldho Paul	SAMPLING THE MORINGA GERMPLASM ACCESSIONS WITH NOVEL GENOMIC AND GENIC SSRS AND DIVERSITY ANALYSIS WITH DIFFERENT ALGORITHMS ENSURED BOTH CONSERVATION AND DIVERGENCE IN THEIR GENETIC CONTENT
PP 0121	K. Keerthana	SCREENING OF FINGER MILLET GENOTYPES FOR SODICITY TOLERANCE USING Na <sup>+</sup> /K <sup>+</sup> RATIO AS A MAJOR PHYSIOLOGICAL TRIAT
PP 0122	R. Shobica Priya	SELECTION OF DIVERSED PARENTS IN PIGEONPEA ( <i>Cajanus cajan</i> (L.) Millsp.) AND BREEDING FOR NUTRITIONAL SECURITY
PP 0123	K. Dayana	STUDIES ON FOLIAR SPRAY OF PULSE WONDER USING DRONE ON YIELD ATTRIBUTES AND YIELD OF GREEN GRAM
PP 0124	T. Raviteja	STUDIES ON THE EFFECT OF ORGANIC AND INORGANIC SOURCES ON THE DRY MATTER AND PLANT NUTRIENT CONTENT OF COWPEA IN SODIC SOIL
PP 0125	P. Aishwarya	TREND ANALYSIS OF RICE PRODUCTION PERFORMANCE IN INDIA
PP 0126	P. Bharathi	YIELD GAP ANALYSIS OF CHICKPEA IN MAJOR PRODUCING STATES IN INDIA
PP 0127	D. Rameshkumar	GENETIC VARIABILITY IN F <sub>2</sub> SEGREGATING POPULATION IN BRINJAL ( <i>Solanum melongena</i> L.)
PP 0128	Papineni Venkata Nirosh	STUDIES ON DISTRIBUTION PATTERN OF YIELD ATTRIBUTING TRAITS IN SEGREGATING GENERATION OF RED SORGHUM ( <i>Sorghum bicolor</i> (L.) Moench)

PP 0129	C. Vairavan	RESPONSE OF SMALL ONION TO FERTIGATION OF TNAU WATER SOLUBLE FERTILIZERS (TNAU-WSF)
PP 0130	V. Sumithra	STUDIES ON GENE ACTION IN RICE ( <i>Oryza sativa</i> L.) UNDER COASTAL SALINE CONDITION
PP 0131	S. Roshini	SULPHUR NUTRITION OF CABBAGE ( <i>Brassica oleracea var. capitata</i> L.) FOR IMPROVING THE GROWTH ATTRIBUTES

## THEME 2: NEW VISTAS IN RESILIENT FARMING: TRENDS AND CHALLENGES IN CROP MANAGEMENT

S.No.	Name of the Presenter	Title of the Presentation
PP 0201	R. Rahul	APPLICATION OF REMOTE SENSING AND GIS TO CAPTURE GROUNDWATER POTENTIAL ZONE IN BHAVANI RIVER BASIN, TAMIL NADU
PP 0202	N. Janani	DROUGHT ASSESSMENT USING STANDARDIZED PRECIPITATION INDEX (SPI)
PP 0203	K. Sangeetha	EFFECT OF HERBICIDE BASED INTEGRATED WEED MANAGEMENT PRACTICES ON IRRIGATED SESAME ( <i>Sesamum indicum</i> L.)
PP 0204	S.V. Varshini	EFFECT OF MICRO IRRIGATION AND ESTABLISHMENT METHODS ON WATER USE STUDIES
PP 0205	E. Jalapathi	EFFECT OF SEED BIOPRIMING WITH BIOCONTROL AGENTS USING PROTRAY ENHANCES SEEDLING EMERGENCE OF BRINJAL ( <i>Solanum melongena</i> L.) cv. CO 2 SEEDS
PP 0206	S. Swetha	EFFECT OF SPACING AND NUTRIENT LEVELS ON NUTRIENT UPTAKE OF POD SOWN GROUNDNUT
PP 0207	S. Sindhu	ENHANCEMENT OF DROUGHT TOLERANCE THROUGH PRIMING IN GREEN GRAM ( <i>Vigna radiata</i> L.)
PP 0208	P. Davidson Rokins	HARNESSING HALOTOLERANT BACTERIA FROM DIFFERENT RICE ECOSYSTEM FOR SALT STRESS MITIGATION IN RICE
PP 0209	Blessy Thambi	HERBICIDAL WEED MANAGEMENT IN BARNYARD MILLET ( <i>Echinochloa frumentacea</i> ) UNDER IRRIGATED CONDITION
PP 0210	G. Karuppusamy	INFLUENCE OF PLANT GROWTH REGULATORS AND NUTRIENTS ON GROWTH PARAMETERS AND YIELD OF PIGEONPEA



PP 0211	G. Ariharasutharsan	ISOLATION OF HIGH YIELDING EARLY MUTANTS OF SESAME ( <i>Sesamum indicum</i> L.) BASED ON THE RELATIONSHIP BETWEEN TRAITS GOVERNING THE YIELD AND EARLINESS
PP 0212	P. Godson Rokins	MITIGATION OF ABIOTIC STRESS IN RICE BY XEROPHYTIC MICROORGANISMS
PP 0213	N. Kowshika	PRODUCTIVITY OF CHILLI CROP UNDER CLIMATE CHANGE
PP 0214	P. Shanmugapriya	RESPONSE OF TRANSPLANTED FINGER MILLET TO WEED MANAGEMENT PRACTICES UNDER SODIC SOIL CONDITION
PP 0215	C. Supriya	SCREENING OF SPARY FLUID FOR HERBICIDE APPLICATION FOR DRONES IN IRRIGATED MAIZE ( <i>Zea mays</i> L.)
PP 0216	V.S. Reddy Kiran Kalyan	SCREENING OF GROUNDNUT ( <i>Arachis hypogaea</i> L.) GENOTYPES FOR IRON ABSORPTION/USE EFFICIENCY IN NUTRIENT SOLUTION CULTURE BASED ON MORPHO - PHYSIOLOGICAL RESPONSES
PP 0217	K.P. Arun	SEED COAT COLOUR ASSOCIATION WITH PHYSIOLOGICAL PARAMETERS IN MORINGA ( <i>Moringa oleifera</i> Lam.)
PP 0218	B. Rakavi	STOMATAL AND FLORAL BEHAVIOR AFFECTING THE YIELD IN COTTON VARIETIES UNDER DROUGHT STRESS
PP 0219	A. Prasanth	STUDY ON ADOPTION OF NUTRIENT MANAGEMENT PRACTICES AMONG FINGER MILLET GROWERS IN KRISHNAGIRI DISTRICT OF TAMIL NADU
PP 0220	S. Thirumeninathan	SYNTHETIC APERTURE RADAR (SAR) BASED RABI GROUNDNUT AREA AT THIRUVANNAMALAI DISTRICT OF TAMIL NADU

### THEME 3: EMERGING PARADIGMS IN CROP PROTECTION

S.No.	Name of the Presenter	Title of the Presentation
PP 0301	M. Priyanka	ANTIOXIDANT SEED PRIMING EFFECT ON PHYSIOLOGICAL AND BIOCHEMICAL CHANGES OF NATURALLY AGED SOYBEAN SEEDS
PP 0302	S. Anandakumar	ARBUSCULAR MYCORRHIZAL FUNGI INDUCED DEFENSE BY SECONDARY METABOLITES PRODUCTION AGAINST <i>Spodoptera litura</i> IN BLACKGRAM
PP 0303	R. Prabha	ARTIFICIAL INTELLIGENCE POWERED EXPERT SYSTEM (AIPES) FOR IDENTIFYING FALL ARMYWORM INFESTATION IN MAIZE

PP 0304	Meena Gopalakrishnan	ASSESSMENT OF OCHRATOXIGENIC FUNGI IN GRAPES MARKETED IN TAMIL NADU
PP 0305	S.J. Reuolin	BEHAVIOURAL AND ELECTROPHYSIOLOGICAL RESPONSE OF YELLOW STEM BORER EGG PARASTOID <i>Tetrastichus</i> sp. TO THE OVIPOSITION INDUCED VOLATILES OF RICE LANDRACE
PP 0306	M.M. Mawtham	BEHAVIOURAL RESPONSE OF FEMALE MELON FRUIT FLY, <i>Zeugodacus cucurbitae</i> (COQUILLET) (DIPTERA: TEPHRITIDAE) TO BITTER GOURD ACCESSIONS/VARIETY
PP 0307	R. Tamilselvan	BIOCHEMICAL BASIS OF SYNERGISM BETWEEN ENTOMOPATHOGENS AND INSECTICIDE SPINETORAM AGAINST <i>Plutella xylostella</i> (L.)
PP 0308	R. Sountharya	BIOEFFICACY OF CERTAIN CHEMICAL INSECTICIDES AGAINST RICE YELLOW STEM BORER ( <i>Scirpophaga incertulas</i> Wik.)
PP 0309	R. Ranjithkumar	BIOEFFICACY OF NEWER MOLECULES INSECTICIDES AGAINST TEA MOSQUITO BUG, <i>Helopeltis theivora</i> WATERHOUSE UNDER LABORATORY CONDITION
PP 0310	Rohit Ramesh	BIO-EFFICACY OF SELECTED INSECTICIDES AND BOTANICALS AGAINST THE SERPENTINE LEAF MINER, <i>L. trifolii</i> (BURGESS) ON WATERMELON
PP 0311	R.S. Sivaranjani	BIOLOGY AND FEEDING PREFERENCE OF INVASIVE FALL ARMYWORM, <i>Spodoptera frugiperda</i> (J.E. SMITH) ON DIFFERENT HOST PLANTS
PP 0312	Alan C. Antony	CHARACTERIZATION AND EXPRESSION CLONING OF CUCUMBER MOSAIC VIRUS COAT PROTEIN GENE INFECTING BANANA IN KERALA
PP 0313	K. Ashok	DEGREE DAYS AND DEMOGRAPHIC COMPARISON OF <i>Spodoptera frugiperda</i> (LEPIDOPTERA: NOCTUIDAE) ON MAIZE AT DIFFERENT TEMPERATURES
PP 0314	K. Murugasridevi	DEPLETION OF PARASITOID COMMUNITY OF SOUTH AMERICAN LEAFMINER, <i>Tuta absoluta</i> (MEYRICK) (LEPIDOPTERA : GELECHIIDAE) IN TAMIL NADU, INDIA : A NEED FOR ITS REVIVAL
PP 0315	S. Vignesh	DETECTION AND DOCUMENTATION OF TOMATO LEAF CURL NEW DELHI VIRUS ASSOCIATION WITH MOSAIC DISEASE OF CUCURBITS AND IN SEEDS IN TAMIL NADU
PP 0316	R.K. Balaji	DIVERSITY OF LYMANTRIINAE IN LEEWARD SIDE OF WESTERN GHATS, TAMIL NADU
PP 0317	E. Kanimozhi	DOSAGE AND TIME-MORTALITY RESPONSE OF OKRA LEAFHOPPER, <i>Amrasca biguttula biguttula</i> (ISHIDA) (HEMIPTERA: CICADELLIDAE) TO ENTOMOPATHOGENIC FUNGI
PP 0318	J. Mary Lisha	DYNAMICS OF INSECT PESTS AND NATURAL ENEMIES IN SELECTED RICE VARIETIES

PP 0319	M. Saranya	EFFECT OF ANTIBIOTIC MATERIALS ON RUGOSE SPIRALING WHITEFLY (RSW), <i>Aleurodicus rugioeperculatus</i> MARTIN (HEMIPTERA: ALEYRODIDAE) OVIPOSITION
PP 0320	J. Shamyuktha	EFFECT OF ORGANIC AMENDMENTS ON BASAL ROT DISEASE OF ONION UNDER <i>IN VIVO</i>
PP 0321	N. Vijayakumari	EFFECT OF SUPPLEMENTARY SUGAR FEEDING ON COLONY GROWTH OF ASIATIC HIVE BEE, <i>Apis cerana indica</i>
PP 0322	S.H. Vijayalakshmi	EVALUATING THE EFFICACY OF CERTAIN PLANT DERIVATIVES FOR THE MANAGEMENT OF BRINJAL SHOOT AND FRUIT BORER <i>Leucinodes orbonalis</i> ON KHARIF SEASON
PP 0323	U. Pirithiraj	EVALUATION OF DIFFERENT IPM COMPONENTS AGAINST JASMINE BUDWORM, <i>Hendecasis duplifascialis</i> HAMPSON (CRAMBIDAE: LEPIDOPTERA)
PP 0324	P. Sabatina	EVALUATION OF ORGANIC INPUTS AGAINST CITRUS BUTTERFLY, <i>Papilio demoleus</i> LINNAEUS ON CITRUS TREES
PP 0325	S. Deepika	FOLIAR NUTRITION ENHANCES THE HOST IMMUNITY AGAINST PAPAYA RING SPOT VIRUS
PP 0326	N. Anandhabhairavi	GC-MS-MS ANALYSIS AND TOXICITY OF ETHYL ACETATE EXTRACTS OF SOME BOTANICALS AGAINST RICE WEEVIL <i>Sitophilus oryzae</i> (L.) IN STORED MAIZE
PP 0327	P. Arunkumar	IMPACT OF WATERMELON BUD NECROSIS VIRUS (WBNV) INFECTED PLANTS ON THE VOLATILE EMISSION PATTERN IN COWPEA PLANTS
PP 0328	K. Haripriya	IMPACT OF ELEVATED TEMPERATURE ON THE SURVIVORSHIP OF <i>Plutella xylostella</i> (L.)
PP 0329	R. Divya	IMPACT OF WEATHER ON AQUATIC INSECT DIVERSITY IN IRRIGATED RICE OF COIMBATORE, TAMIL NADU
PP 0330	N. Dilipsundar	IMPACT OF WEATHER PARAMETERS ON POPULATION FLUCTUATION OF INVASIVE TUTA ABSOLUTA (MEYRICK, 1917)
PP 0331	S. Ragul	INTROGRESSION OF <i>Vigna mungo</i> GENOME INTO <i>Vigna radiata</i> TOWARDS THE BROADENING OF GENETIC BASE FOR MYMV RESISTANCE AND YIELD ATTRIBUTES
PP 0332	T. Sharmitha	LABORATORY EVALUATION OF INSECTICIDES AGAINST RICE STEM BORER SPECIES AND THEIR SAFETY TO NATURAL ENEMIES
PP 0333	K.R. Swarna Lakshmi	LOOP MEDIATED ISOTHERMAL AMPLIFICATION ASSAY FOR RAPID AND SENSITIVE DETECTION OF RICE SEED BORNE PATHOGENS
PP 0334	T. Priyanga	MANAGEMENT OF POST HARVEST SPOILAGE IN TOMATO WITH VARIOUS POST HARVEST TREATMENTS
PP 0335	J.N. Prithiva	MECHANISMS OF RESISTANCE AGAINST OKRA LEAFHOPPER, <i>Amrasca biguttula biguttula</i> ISHIDA IN OKRA GENOTYPES



PP 0336	J. Vinodhini	MOLECULAR INDEXING OF VIRUSES ASSOCIATED WITH MOSAIC DISEASES IN HOT PEPPER ( <i>Capsicum annum</i> L.) IN TAMIL NADU
PP 0337	T. Sathyan	MOLECULAR UNDERSTANDING OF THE INVASIVE FALL ARMYWORM, <i>Spodoptera frugiperda</i> (J.E. SMITH) FEEDING ON FINGER MILLET, <i>Eleusine coracana</i> (L.) GAERTN.
PP 0338	S.V. Dharini	MORPHOLOGICAL CHARACTERIZATION OF GENUS <i>Conocephalus thunberg</i> , 1815 (ORTHOPTERA: TETTIGONIIDAE: CONOCEPHALINAE) IN RICE
PP 0339	C. Gargi	MORPHOLOGY AND DISTRIBUTION OF ANTENNAL SENSILLAE OF BOTH THE SEXES OF <i>Spodoptera frugiperda</i> (SMITH) (LEPIDOPTERA: NOCTUIDAE)
PP 0340	G. Swathiga	NUTRITIONAL COMPOSITION OF CASTOR GENOTYPES AND ITS INFLUENCE ON GROWTH ATTRIBUTES OF ERI SILKWORM ( <i>Philosamia ricini</i> )
PP 0341	S. Paripoorani	OLFACTORY STUDIES AND VOLATILE PROFILES OF FOOD BAITS ON FEMALE MELON FRUIT FLY, <i>Zeugodacus cucurbitae</i> (COQUILLET) (DIPTERA: TEPHRITIDAE) IN GOURDS ECOSYSTEM
PP 0342	V.P. Abarna	PATHOGENICITY OF THE BEAVERIA BASSIANA (BALSAMO) VUILLEMIN ISOLATE MZ674187 AGAINST TWO SPOTTED SPIDER MITE, <i>Tetranychus urticae</i> KOCH.
PP 0343	S. Keerthana	<i>PHOMA</i> SP. SHOWS THE DOMINANT IN PHYLOSOPHERE OF POWDERY MILDEW LEAVES
PP 0344	E. Pasupathi	PHYLOGENETIC ANALYSIS OF OKRA ENATION LEAF CURL VIRUS (OELCV) TRANSMITTED BY <i>Bemisia tabaci</i> USING COAT PROTEIN GENE FRAGMENT OF OELCV IN TAMIL NADU
PP 0345	K.M. Narmadha	POPULATION DYNAMICS OF PEST AND ITS NATURAL ENEMIES OCCURRENCE IN CITRUS TREES
PP 0346	S.G. Shandeep	PROFILING OF INTERACTIVE METABOLOMICS OF BHENDI GENOTYPES AGAINST ROOT KNOT NEMATODE, <i>Meloidogyne incognita</i> UNDER MONOPARTITE & DIPARTITE INTERACTION
PP 0347	R. Suresh	SCREENING OF TURMERIC GENOTYPES FOR RESISTANCE TO RHIZOME ROT DISEASE
PP 0348	G. Bagwasi	SENSITIVITY OF COWPEA ( <i>Vigna unguiculata</i> (L.) WALP.) TO EXTREME LEVELS OF ATRAZINE IMPOSED IN PRECEDING MAIZE ( <i>Zea mays</i> L.)
PP 0349	G. Priyatharsini	STUDIES ON HOST PREFERENCE FOR CITRUS BUTTERFLY, <i>Papilio demoleus</i> LINNAEUS
PP 0350	V. Renugadevi	STUDIES ON PATHOGENICITY AND VIRULENCE OF TUBER ROT PATHOGEN ( <i>Macrophomina phaseolina</i> (TASSI) GOID.) OF GLORY LILY ( <i>Gloriosa superba</i> )
PP 0351	M. Nagulananthan	STUDIES ON PESTICIDE USE BEHAVIOR OF NON-IPM FARMERS OF RICE ECOSYSTEM IN SOUTHERN DISTRICTS OF TAMIL NADU

PP 0352	V. Rajaswaminathan	SURVEY OF FUNGAL LEAF SPOT COMPLEX IN MAJOR COTTON GROWING AREAS OF TAMIL NADU
PP 0353	S. Selva Rani	SYNTHESIS AND EVALUATION OF COLLOIDAL CHITOSAN AGAINST DIAMONDBACK MOTH, <i>Plutella xylostella</i> L. (LEPIDOPTERA: PLUTELLIDAE) ON CAULIFLOWER
PP 0354	A.V. Moorthy	SYNTHESIS OF N ALKYL CHITOSAN AND THEIR TOXICITY AND ANTIFEEDANT EFFECT AGAINST <i>Spodoptera frugiperda</i>
PP 0355	R. Abirami	VIRUSES HARBORING IN WEED HOSTS DURING THE CROPPING SEASON AND OFF-SEASONS IN BRINJAL ECOSYSTEM
PP 0356	K. Elakkiya	VOLATILE MEDIATED PEST MANAGEMENT AND LACTIC ACID BACTERIA MEDIATED RESIDUE MANAGEMENT IN BHENDI

#### THEME 4: ENHANCING SUSTAINABLE USE OF NATURAL RESOURCES FOR ENHANCING FOOD PRODUCTION

S.No.	Name of the Presenter	Title of the Presentation
PP 0401	K. Ragadevi	ALTERING THE PHYSIOLOGICAL RESPONSE OF COMPACT COTTON BY APPLICATION OF BIO-STIMULANTS TO ENHANCE YIELD
PP 0402	J.J. Parthiban	AN ECONOMIC ANALYSIS OF ORGANIC FARMING THROUGH PARTICIPATORY GUARANTEE SCHEME (PGS) IN COIMBATORE DISTRICT
PP 0403	M. Venkatesh	AN ECONOMIC ANALYSIS OF GROUNDWATER MARKETS AND WATER USE EFFICIENCY IN HARD ROCK AREA OF HOSUR UNION KRISHNAGIRI DISTRICT OF TAMIL NADU
PP 0404	T. Gokul Kannan	ASSESSMENT OF RHIZOSPHERE MICROBIOME IN REED PLANTS USING METAGENOMICS
PP 0405	G. Karthikeyan	BIOMASS BASED BIOCHAR FOR WASTEWATER TREATMENT
PP 0406	M. Jagadesh	CARBON FOOTPRINTS IN AGRO ECOSYSTEMS OF NILGIRI HILL REGION IN SOUTHERN WESTERN GHATS - AN INSIGHT TO KEEP THE SOILS OF WESTERN GHATS ALIVE AND TO COMBAT CLIMATE CHANGE
PP 0407	R. Abarna	COMPARATIVE STUDY OF EPIPHYTIC AND ENDOPHYTIC BACTERIA ASSOCIATED WITH SEEDS OF <i>Zea mays</i> L.
PP 0408	Jikky Jayakumar	COMPARATIVE STUDY ON DRYING KINETICS OF SMALL CARDAMOM ( <i>Elettaria cardamomum</i> MATON) USING DIFFERENT DRYERS

PP 0409	<i>S. Jeyaprakashsabari</i>	CRUSTACEAN MEAL AS A FISH MEAL REPLACEMENT IN AQUAFEED FOR IMPROVED YIELDS IN AQUACULTURE
PP 0410	<i>K. Kalaiselvi</i>	EFFECT OF CONTINUOUS FERTILIZATION AND INTENSIVE CROPPING ON RHIZOSPHERE PHOSPHORUS DYNAMICS ON UNDER SANDY CLAY LOAM SOIL
PP 0411	<i>A. Senthilkumar</i>	EFFECT OF DIFFERENT SOURCE OF ORGANIC MANURE AND BIO FERTILIZERS ON PHONOLOGICAL AND YIELD CHARACTERS OF TOMATO ( <i>Solanum lycopersicum</i> L.)
PP 0412	<i>R. Selvam</i>	EFFECT OF INTEGRATED PLANT NUTRITION SYSTEM ON YIELD, RESPONSE, UPTAKE BY BARNYARD MILLET AND CRITICAL LEVELS OF SOIL AVAILABLE N, P AND K ON INCEPTISOL
PP 0413	<i>V. Venkatesh</i>	EFFECT OF LONG TERM FERTILIZATION ON SOIL CHEMICAL PROPERTIES OF RICE-RICE CROPPING SYSTEM, ADUTHURAI
PP 0414	<i>G. Poovizhisindhu</i>	EFFECT OF MURIATE OF POTASH AND SULPHATE OF POTASH ON NUTRIENT UPTAKE AND YIELD OF GREEN GRAM ( <i>Vigna radiata</i> (L.) Wilczek) cv. VBN 2 UNDER POT AND FIELD EXPERIMENT
PP 0415	<i>Minmu John</i>	EFFECT OF NUTRIENT RATIOS OF WATER SOLUBLE FERTILIZERS ON GROWTH OF TOMATO CROP UNDER FERTIGATION
PP 0416	<i>A. Agila</i>	EFFECT OF STCR-IPNS ON TITRATABLE ACIDITY AND PH OF DRIP FERTIGATED TOMATO ON AN ALFISOL
PP 0417	<i>S. Padala Dharmakar</i>	EFFICIENCY OF SUNFLOWER SEED MEAL AS A PARTIAL REPLACEMENT FOR GROUNDNUT OIL CAKE IN THE GROWTH PERFORMANCE OF LABEO ROHITA UNDER NURSERY PHASE
PP 0418	<i>M. Parvathi Sugumari</i>	ENHANCING GROWTH AND PHYSIOLOGICAL ATTRIBUTES THROUGH STCR - IPNS APPROACH FOR AGGREGATUM ONION UNDER DRIP FERTIGATION
PP 0419	<i>K.K. Shaheemath Suhara</i>	ESTIMATION OF SURFACE RUNOFF FROM SUB-CATCHMENTS OF KARAMADAI USING SCS-CN METHOD AND GIS TECHNIQUES
PP 0420	<i>J. Sumaiya Sulthana</i>	EVALUATION OF DHAINCHA GENOTYPES BASED ON SEEDLING BIOMASS YIELD
PP 0421	<i>B. Balaganesh</i>	EVALUATION OF NITROGEN USE EFFICIENCY OF RICE VARIETIES UNDER TROPICAL CONDITION OF TAMIL NADU
PP 0422	<i>P. Gayathiri</i>	GENERATION OF SOIL FERTILITY MAP OF CUDDALORE VILLAGE OF PERAMBALUR DISTRICT, TAMIL NADU USING GIS
PP 0423	<i>R.C. Prasanth</i>	IMPACT OF CROP GEOMETRY AND NITROGEN LEVELS ON PHYSIOLOGY OF MULTICUT FODDER SORGHUM BASED INTERCROPPING SYSTEM

PP 0424	B. Kanchana	IMPACT OF TARGETED YIELD MODEL BASED FERTILISER PRESCRIPTION ON PHYSIOLOGICAL ATTRIBUTES OF PEARL MILLET (VAR. CO 10) ON INCEPTISOL
PP 0425	Jangam Bhavana	INFLUENCE OF NIPPING AND CROP GEOMETRY ON THE GROWTH PARAMETERS OF RAINFED HORSEGRAM
PP 0426	V.R. Mageshen	INFLUENCE OF SOIL TEST CROP RESPONSE BASED INTEGRATED PLANT NUTRIENT MANAGEMENT ON QUALITY OF OKRA ( <i>Abelmoschus esculentus</i> (L.) Monech)
PP 0427	K. Aswitha	INTERACTION EFFECT OF VESICULAR ARBUSCULAR MYCORRHIZA WITH DIFFERENT AMENDMENTS ON INCREASING PHOSPHORUS UPTAKE
PP 0428	M. Vinutha	IRRIGATION AND YIELD PARAMETERS OF SORGHUM AS INFLUENCED BY IRRIGATION PRACTICES IN SODIC SOIL IRRIGATED WITH ALKALI WATER
PP 0429	T. Naveenkumar	KINETICS OF NITROGEN IN SODIC SOIL UNDER DIFFERENT AMENDMENTS
PP 0430	Monisha Rajkumar	MICROBIOME AND THEIR METABOLITES FOR PLANT GROWTH PROMOTION AND DROUGHT TOLERANCE IN LITTLE MILLET ( <i>Panicum sumatrense</i> L.)
PP 0431	V.R. Senthamizhkumaran	NUTRIENT USE EFFICIENCIES OF HYBRID SUNFLOWER IN RESPONSE TO SULPHUR AND ZINC FERTILIZATION OF TAMBIRABARANI TRACT
PP 0432	Ranjith Sellappan	PLANT GROWTH PROMOTING CHARACTERISTICS OF MAIZE APOPLASTIC FLUID BACTERIA
PP 0433	M.S.R. Haran	POLLINATORS DIVERSITY IN <i>Moringa oleifera</i> Lam. ECOSYSTEM IN THE RED SAND DUNES OF THOOTHUKUDI DISTRICT OF TAMILNADU
PP 0434	M. Subasri	PRODUCTION AND CHARACTERIZATION OF POLYHYDROXYBUTYRATE (PHB) FROM <i>Bacillus siamensis</i> PHB01
PP 0435	M.V. Priya	PRODUCTION POTENTIAL OF BED PLANTED CHICKPEA ( <i>Cicer arietinum</i> L.) AS INFLUENCED BY DIFFERENT INTERCROPPING SYSTEMS
PP 0436	N. Anitha Raj	RESOURCE MANAGEMENT STRATEGIES AND ITS IMPLICATIONS ON FARMERS WELL-BEING
PP 0437	K. Subash Chandra Bose	RESPONSE OF PHOSPHORUS ADDITION WITH MYCORRHIZAE ON ENZYMATIC ACTIVITY AND NUTRIENT USE EFFICIENCY OF GROUNDNUT VARIETIES IN ACID SOIL
PP 0438	G. Raiza Christina	STUDY ON GRAIN FILLING RATE IN RICE ( <i>Oryza sativa</i> L.) ADVANCED CULTURES

PP 0439	M. Aarthi	STUDY ON VARIABILITY, HERITABILITY AND GENETIC ADVANCE IN WILD RICE MAGIC POPULATION FOR YIELD AND YIELD RELATED TRAITS UNDER SODIC SOIL CONDITION
PP 0440	S. Murali	SYNTHESIS AND CHARACTERIZATION OF VARIOUS IRON CHELATES USING ORGANIC AND AMINO ACIDS AS A CHELATING AGENTS
PP 0441	S. Santhoshkumar	TERMITE MOUND SOIL AS AN ALTERNATIVE SOIL AMENDMENT FOR ENHANCING FOOD PRODUCTION
PP 0442	T.N. Sujeetha	TRADITIONAL KNOWLEDGE ADOPTED BY THE TRIBAL FARMERS OF THE NILGIRIS DISTRICT IN ANIMAL HUSBANDRY
PP 0443	M.N. Harinarayanan	USABILITY OF MONTHLY ERFs TO PREDICT MAIZE YIELD USING DSSAT MODEL OVER ERODE DISTRICT OF TAMIL NADU
PP 0444	K.S. Glory	VOLATILIZATION LOSS OF NITROGEN UNDER VARIOUS COATED UREA IN RICE UNDER TAMIRAPARANI RIVER BASIN

### THEME 5: HORTICULTURE FOR UNSWERVING AND OPTIMIZED FOOD PRODUCTION

S.No.	Name of the Presenter	Title of the Presentation
PP 0501	Yedida Sudhamini	A STUDY ON EXTENSION CONTACT OF COCONUT GROWERS FOR ENHANCING COCONUT PRODUCTION OF EAST GODAVARI DISTRICT OF ANDHRA PRADESH
PP 0502	Prakash Ranjan Behera	BIOCHEMICAL RESPONSES OF CAPSICUM HYBRIDS TO IRON (Fe) AND ZINC (Zn) FERTILISATION
PP 0503	K. Arunkumar	BIOCHEMICAL RESPONSES OF COCOA ACCESSIONS FOR WATER DEFICIT CONDITIONS
PP 0504	P. Subramaniyan	COMPARATIVE STUDIES ON SEED GERMINATION (%) OF AJOWAN ( <i>Trachyspermum ammi</i> L.) GENOTYPES UNDER LAB AND FIELD CONDITION
PP 0505	R. Elaiyaraja	COMPARISON OF BIOCHEMICAL ATTRIBUTES OF PICKLING MANGO (VADUMANGAI) WITH COMMERCIAL CULTIVARS
PP 0506	A. Fahima Fathima	CORRELATION STUDIES FOR BULB YIELD AND YIELD CONTRIBUTING CHARACTERS AMONG AGGREGATUM ONION ( <i>Allium cepa</i> L. <i>aggregatum</i> don.) GENOTYPES
PP 0507	M. Durga Devi	DETERMINATION OF ABSORPTION DOSE IN CHEMICAL MUTAGENESIS IN ACIDLIME VAR. PKM 1



PP 0508	C. Lincy Sona	EFFECT OF DRYING METHODS ON MORINGA PKM1 LEAF POWDER FOR RETENTION OF NUTRITIONAL QUALITY
PP 0509	G. Gopitha	EFFECT OF INTEGRATED NUTRIENT MANAGEMENT ON YIELD AND COST ECONOMICS OF NERIUM ( <i>Nerium oleander</i> L.)
PP 0510	V. Ajith kumar	EFFECT OF ORGANIC MANURE OVER THE GROWTH AND YIELD OF AMARANTHUS ( <i>Amaranthus dibiis</i> ) FOR SUSTAINABLE AGRICULTURE
PP 0511	C. Indhupriya	EFFECT OF POST HARVEST TREATMENTS ON SHELF LIFE AND QUALITY OF OKRA ( <i>Abelmoschus esculentus</i> (L.) Moench)
PP 0512	M. Kabilan	EFFECT OF SEED TREATMENTS ON SEED GERMINATION AND SEEDLING PARAMETERS IN F <sub>2</sub> CROSSES OF MUNDU CHILLI ( <i>Capsicum annum</i> L.)
PP 0513	M. Kumar	EVALUATION OF ACID LIME ( <i>Citrus aurantifolia</i> Swingle) CULTIVARS FOR YIELD ATTRIBUTES
PP 0514	Shubhada Tayade	EVALUATION OF PHYTOCHEMICALS IN CHEKKURMANIS ( <i>Sauropus androgynus</i> L.) USING HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)
PP 0515	P. Anushma	EVALUATION OF SELECTED VELD T GRAPE ECOTYPES FOR ANTI-NUTRITIONAL FACTOR AND DEVELOPMENT OF CISSUS BASED TEA
PP 0516	V. Gomathi	EXTENSION OF SHELF LIFE OF MINIMALLY PROCESSED JACK FRUIT ( <i>Artocarpus heterophyllus</i> Lam.) BULBS THROUGH POSTHARVEST TREATMENTS
PP 0517	S. Ganesh	FLOWER INDUCTION IN CHRYSANTHEMUMS ( <i>Dendranthema grandiflora</i> TZVELEV) IS UNIQUE MODIFICATION OF LIGHT EMITTING DIODES: WHITE VERSUS BLUE, RED AND FAR-RED RADIATION
PP 0518	G. Sidhdharth	INTERVENTION OF PLANT GEOMETRY AND HARVESTING HEIGHTS ON GROWTH AND LEAF YIELD PARAMETERS IN MORINGA ( <i>Moringa oleifera</i> Lam)
PP 0519	R. Kousalya	PERFORMANCE OF OKRA ( <i>Abelmoschus esculentus</i> L.) HYBRIDS FOR YIELD AND ITS RELATED TRAITS IN OKRA
PP 0520	U.B. Anuradha	RESPONSE OF COMBINED APPLICATION OF ORGANIC AND INORGANIC FERTILIZERS ON GROWTH AND YIELD OF TURMERIC ( <i>Curcuma longa</i> L.)
PP 0521	Gadha Sreekumar	STANDARDIZATION OF SUITABLE INTERCROPS FOR BROCCOLI ( <i>Brassica oleraceae</i> L. var. <i>italic</i> ) BASED CROPPING SYSTEM
PP 0522	V. Hariharan	STUDIES ON DIFFERENT MONTHS OF SOFTWOOD GRAFTING IN WOOD APPLE ( <i>Feronia limonia</i> L.) var. PKM 1

**PP 0523** *J.E. Adeline Vinila* **STUDIES ON GROWTH PARAMETERS OF CORIANDER (*Coriandrum sativum* L.) GENOTYPES UNDER DROUGHT CONDITION**

**PP 0524** *K. Pooja* **STUDIES ON INFLUENCE OF EFFECTIVE MICROORGANISM ON GROWTH AND PHYSIOLOGY IN RADISH (*Raphanus sativus* L.)**

### THEME 6: TRENDS IN AGRICULTURAL ENGINEERING FOR THE CHANGING LANDSCAPE

S.No.	Name of the Presenter	Title of the Presentation
<b>PP 0601</b>	<i>V. Kavan Kumar</i>	<b>BATCH SCALE EXPERIMENTS FOR INOCULUM TO SUBSTRATE RATIOS FOR METHANE PRODUCTION USING LEATHER FLESHINGS</b>
<b>PP 0602</b>	<i>T. Arthi</i>	<b>CROP YIELD RESPONSE FACTOR AN INDICATOR TOOL FOR ASSESSING THE EFFICIENT WATER UTILIZATION</b>
<b>PP 0603</b>	<i>K. Eresh Kumar</i>	<b>DESIGN AND DEVELOPMENT OF PORTABLE FRUIT PEELER</b>
<b>PP 0604</b>	<i>A. Astina Joice</i>	<b>DISCERNMENT OF FRUIT COLOUR FROM FRUIT IMAGES USING OPENCV AND RASPBERRY PI</b>
<b>PP 0605</b>	<i>A. Selvaperumal</i>	<b>DROUGHT MONITORING USING STANDARDIZED PRECIPITATION INDEX (SPI) IN TIRUPPUR</b>
<b>PP 0606</b>	<i>P. Komalabharathi</i>	<b>ENERGY DENSIFICATION OF GROUNDNUT SHELL THROUGH MICROWAVE ASSISTED HYDROTHERMAL CARBONIZATION</b>
<b>PP 0607</b>	<i>K. Vinay</i>	<b>ENGINEERING PROPERTIES OF PIGEON PEA VARIETIES</b>
<b>PP 0608</b>	<i>P. Aravind</i>	<b>ESTIMATION OF LAND SURFACE TEMPERATURE FOR COIMBATORE DISTRICT USING LANDSAT IMAGERY</b>
<b>PP 0609</b>	<i>P. Preetha</i>	<b>INACTIVATION KINETICS AND CELL DAMAGE OF <i>Escherichia coli</i> (MTCC 433) IN TENDER COCONUT WATER BY INTENSE PULSE LIGHT</b>
<b>PP 0610</b>	<i>J. Ramachandran</i>	<b>LAND SURFACE TEMPERATURE ASSESSMENT IN LALGUDI BLOCK OF TRICHY DISTRICT USING REMOTE SENSING ALGORITHM</b>
<b>PP 0611</b>	<i>J. Deepa</i>	<b>OPTIMIZATION OF PROCESS PARAMETERS ON PRODUCTION OF WINE FROM SAPOTA FRUITS</b>



PP 0612	<i>D. Praveen Kumar</i>	PRODUCTION OF ACTIVATED CARBON FROM MAIZE COB USING ZINC CHLORIDE AS DEHYDRATING AGENT: EFFECT OF ACTIVATION SEQUENCE
PP 0613	<i>S. Thangamani</i>	ROOFTOP GARDEN- AS REVENUE GENERATING COMPONENT- A CASE STUDY
PP 0614	<i>M.S. Sreedevi</i>	STUDIES ON DRYING OF TAMARIND FRUIT
PP 0615	<i>Hrishikesh Patil</i>	STUDY OF FEASIBILITY OF SOLAR TUNNEL DRYER FOR PREPARING ONION POWDER
PP 0616	<i>I. Narmatha</i>	SUB - ATMOSPHERIC PRESSURE SUPERHEATED STEAM DRYING OF CARROT SLICES
PP 0617	<i>P. Ponnuchakkammal</i>	VEGETATION AND WATER INDICES FOR METTUPALAYAM TALUK OF COIMBATORE DISTRICT OF TAMIL NADU: A REMOTE SENSING AND GIS APPROACH

### THEME 7: PERSPECTIVES IN NUTRITION AND DIETETICS

S.No.	Name of the Presenter	Title of the Presentation
PP 0701	<i>Dhanavath Srinu</i>	BIOACTIVE COMPOUNDS AND NUTRITIONAL COMPOSITION OF CHOCOLATE PREPARED FROM SELECTED SPICES
PP 0702	<i>R. Senthilkumar</i>	COMPARISON OF PHYTOCHEMICAL PROFILE OF RAW AND COOKED HORSE GRAM ( <i>Macrotyloma uniflorum</i> ) SEEDS BY GC-MS/MS
PP 0703	<i>D. Sharika</i>	ENHANCING FUNCTIONAL AND NUTRITIONAL CHARACTERISTICS OF MULTIGRAIN MIX BY INCORPORATING JAMUN SEED POWDER
PP 0704	<i>B. Subbulakshmi</i>	EVALUATION OF GLYCEMIC INDEX OF QUALITY PROTEIN MAIZE
PP 0705	<i>M.J. Anitha Sri</i>	EXPLORING THE FUNCTIONALITY OF ETHNIC FERMENTED SOUR BEVERAGES AND ITS STANDARDIZATION WITH IMPROVED SHELF STABILITY FOR INDUSTRIAL USE
PP 0706	<i>T. Aruna</i>	EXTRACTION OF CITRUS PEEL ESSENTIAL OIL AND EVALUATION OF ITS PHYSICO CHEMICAL PROPERTIES
PP 0707	<i>V. Lavanya</i>	EXTRACTION, QUANTIFICATION AND ASSESSING THE ANTI-MICROBIAL AND STABILITY PROPERTIES OF BETALAIN PIGMENT IN <i>Bougainvillea glabra</i> AND <i>Celosia argentea</i>





PP 0708	<i>B. Farhat Sultana</i>	GC-MS ANALYSIS OF BIOACTIVE COMPOUNDS IN METHANOLIC EXTRACT OF TAMARIND SEED FLOUR
PP 0709	<i>N.N. Muruli</i>	NUTRITIONAL AND NUTRACEUTICAL PROPERTIES OF GRAPE SEED POWDER
PP 0710	<i>C. Sivananth</i>	NUTRITIONAL AND SENSORY PROPERTIES OF GROUNDNUT GERM SUBSTITUTED CHAPATIS
PP 0711	<i>T. Vasantha</i>	SCREENING THE ANTIOXIDANT ACTIVITY OF RECOMBINANT INBRED RICE LINES AND THEIR PARENT (KAVUNI*Co 50)
PP 0712	<i>Salma Banu</i>	STANDARDIZATION OF BETEL LEAF INCORPORATED ACID LIME SQUASH
PP 0713	<i>C. Rohini</i>	NUTRITIONAL AND RHEOLOGICAL PROPERTIES OF PUMPKIN SEED BASED FRUITS SPREAD
PP 0714	<i>K. Pushpa</i>	ULTRASOUND ASSISTED EXTRACTION OF BIOACTIVE COMPOUNDS FROM THREE TYPES OF GERMINATED MILLETS
PP 0715	<i>K. Kanmani</i>	UNDERUTILIZED PULSE EXTRUDATES AND THEIR NUTRITIONAL SPECIFICATIONS

### THEME 8: FOREST MANAGEMENT SCENARIOS IN A CHANGING CLIMATE

S.No.	Name of the Presenter	Title of the Presentation
PP 0801	<i>M. Devaki</i>	ASSESSING THE BIOMASS PRODUCTIVITY OF EUCALYPTUS PLANTATIONS AT DIFFERENT AGE GRADATIONS
PP 0802	<i>S. Soundar Rajan</i>	ASSESSING THE CARBON SEQUESTRATION POTENTIAL OF EUCALYPTUS PLANTATIONS OF DIFFERENT AGES
PP 0803	<i>V. Priyanka</i>	ASSESSING THE PRODUCTIVITY AND CARBON SEQUESTRATION POTENTIAL OF DIFFERENT AGED <i>Melia dubia</i> PLANTATIONS
PP 0804	<i>K. Lalithambigai</i>	BIOCHEMICAL AND EARLY GROWTH RESPONSE OF DIFFERENT TEAK ( <i>Tectona grandis</i> LINN.F) GENOTYPES UNDER IRRIGATED CONDITIONS
PP 0805	<i>C.N. Hari Prasath</i>	COMPARATIVE GROWTH PERFORMANCE AND ECO-PHYSIOLOGICAL RESPONSE OF TREE SPECIES GROWN UNDER INTENSIVE SILVICULTURAL MANAGEMENT PRACTICES
PP 0806	<i>S. Venkatesan</i>	EFFECT OF DIFFERENT SEED EXTRACTION METHODS ON PHYSICAL AND PHYSIOLOGICAL QUALITY OF TEAK ( <i>Tectona grandis</i> L.F) DRUPES
PP 0807	<i>S. Bargavi</i>	EFFECT OF EUCALYPTUS PLANTATIONS ON SOIL ECOLOGY



PP 0808	M. Karthikeyan	EXTRACTION OF DYE FROM THE FLOWERS OF <i>Delonix regia</i> (BOJ. EX HOOK) RAF. AND DYEING OF COTTON FABRICS
PP 0809	K. Mohanraj	GENETIC DIVERSITY STUDIES IN TOONA CILIATA M ROEM PROGENIES USING D <sup>2</sup> ANALYSIS
PP 0810	K. Karimanisha	PHYSICAL AND MECHANICAL PROPERTIES OF <i>Dalbergia sissoo</i> ROXB. AND <i>Eucalyptus tereticornis</i> SM
PP 0811	D. Suwetha Sri	SCREENING OF SHADE TOLERANT MEDICINAL PLANTS FOR TEAK ( <i>Tectona grandis</i> LINN.) BASED AGROFORESTRY SYSTEM
PP 0812	A.S. Goveanthan	SPATIAL AND TEMPORAL PATTERNS OF MICROCLIMATE IN MIYAWAKI PLANTATION
PP 0813	V. Guhan	SWAT MODEL CALIBRATION AND UNCERTAINTY ANALYSIS FOR STREAMFLOW PREDICTION IN THE ALIYAR SUB-BASIN OF TAMILNADU

### THEME 9: APPROACHES IN BIO NANOTECHNOLOGY FOR ENHANCING AGRICULTURAL PRODUCTIVITY

S.No.	Name of the Presenter	Title of the Presentation
PP 0901	J. Mohanraj	EFFECT OF MULTINUTRIENTS LOADED ELECTROSPUN PVA NANOFIBRE ON GREEN GRAM ( <i>Vigna radiata</i> (L.) WILCZEK)
PP 0902	K.A. Mumithra Kamatchi	INDUCED MEMBRANE STABILITY AND ANTIOXIDANT ENZYME ACTIVITY THROUGH AUXIN AND SALICYLIC ACID NANOFORMULATIONS IN TOMATO UNDER DROUGHT STRESS
PP 0903	M.S. Kumuthan	NANOPOLYMER MATRIX FOR EFFECTIVE DELIVERY OF <i>Bacillus subtilis</i> IN SOIL AND PLANT ECO SYSTEMS
PP 0904	Prasangi Sathi Raju	NUTRICAPSULE FOR SLOW RELEASE OF MULTI NUTRIENTS FOR BALANCED CROP NUTRITION
PP 0905	M. Latha	SYNTHESIS OF NANO LIGNIN FROM SUGARCANE BAGASSE

**THEME 10: ENVIRONMENTAL, ECONOMIC AND SOCIAL DIMENSIONS OF FARM SUSTAINABILITY**

S.No.	Name of the Presenter	Title of the Presentation
PP 1001	V.V.S.S. Anusha	AGRICULTURE WASTE MANAGEMENT - A CASE STUDY ON BOWENPALLY MANDI
PP 1002	S. Myvizhi	AN ANALYSIS ON GROWTH AND INSTABILITY OF ORGANIC FOOD PRODUCTION AND EXPORT IN INDIA
PP 1003	Y. Melba	ASSESSMENT OF HONEY MARKET OPPORTUNITIES AND CONSTRAINTS IN KANYAKUMARI DISTRICT
PP 1004	V. Mohanraj	ASSESSMENT OF INFLUENTIAL FACTORS FOR FARMERS TOWARDS ARECANUT ( <i>Areca catechu</i> ) CULTIVATION IN TAMIL NADU
PP 1005	C. Poornachandhra	COMPARATIVE STUDIES ON AIR POLLUTION TOLERANCE INDEX OF THE SELECTED FRUIT CROPS OVER POLLUTED AND NON-POLLUTED AREAS
PP 1006	B. Sushmitha	COMPARISON OF COST AND RETURNS OF HYBRID MAIZE PRODUCTION IN ANDHRA PRADESH
PP 1007	V. Shanjeevika	DOCUMENTATION AND ADOPTION OF INDIGENOUS TECHNICAL KNOWLEDGE (ITK) PRACTICES IN SORGHUM
PP 1008	A. Dharanipriya	DRYLAND FARMERS' ADAPTIVE BEHAVIOUR TOWARDS CLIMATE VARIABILITY
PP 1009	M. Priyadharshini	EFFECT OF AMENDMENTS AND TREATED EFFLUENT ON SOIL HEALTH AND SESAMUM YIELD ( <i>Sesamum indicum</i> )
PP 1010	P.M. Brindhavani	EFFECT OF ORGANIC AND AMINO ACIDS ON SOLUBILIZATION OF Zn IN SOILS WITH VARYING LEVELS OF CALCAREOUSNESS
PP 1011	A. Archana	ESTIMATION AND PREDICTION OF POTENTIAL EVAPOTRANSPIRATION USING STATISTICAL MODELLING IN TRICHY
PP 1012	J. Ezra John	EVALUATING THE POTENTIAL OF <i>Sesuvium portulacastrum</i> IN RECLAMATION OF PULP AND PAPERMILL EFFLUENT IRRIGATED SOILS
PP 1013	I. Induja	FORECAST OF DROUGHT USING STATISTICAL APPROACH FOR ERODE DISTRICT
PP 1014	K. Blessy Monica	HYDROTHERMAL CARBONIZATION OF PAPER MILL ETP SLUDGE AND ITS POTENTIAL APPLICATIONS
PP 1015	R. Gayathri	IMPACT OF <i>Bt</i> COTTON TECHNOLOGY IN INDIAN COTTON PRODUCTION SYSTEM: A COMPARATIVE ECONOMETRIC ANALYSIS BETWEEN MAHARASHTRA AND TAMIL NADU
PP 1016	G. Sivasankaran	INTRA-SEASONAL AND SEASONAL TRANSITION VARIATION OF AEROSOL BLACK CARBON OVER HIGH ALTITUDE REGION OF SOUTHERN INDIA, OOTY, TAMIL NADU
PP 1017	D. Kalaiarasi	MEASURING EFFICIENCY IN AGRICULTURE SECTOR IN INDIA: A STOCHASTIC FRONTIER APPROACH
PP 1018	K. Deepika	NON-PERFORMING ASSETS IN INDIA
PP 1019	J. Jayasudha	PROSPECTS OF ONE DISTRICT ONE PRODUCT SCHEME IN TAMIL NADU - AN ANALYSIS
PP 1020	M. Uma Gowri	TO WHAT EXTENT NON-TARIFF MEASURES AFFECT THE EXPORTS OF INDIAN BEVERAGES?

CONCURRENT SESSION III (09:30 AM – 12:30 PM)

DAY II: 08.09.2021 (WEDNESDAY)

**THEME 5: HORTICULTURE FOR UNSWERVING AND OPTIMIZED FOOD PRODUCTION**

CHAIR	Dr. L. Pugalendhi Dean, HC&RI, TNAU, Coimbatore	VENUE : CONFERENCE HALL, HC&RI, TNAU, COIMBATORE
FACULTY CO-CHAIR 1	Dr. R. Swarnapriya Professor & Head (Vegetable Science)	STUDENT CHAIRPERSON Ms. G. Gopitha III Ph.D. (Floriculture & Landscape Arch.)
FACULTY CO-CHAIR 2	Dr. K. Rajamani Professor & Head (FLA)	STUDENT RAPPOREUR Dr. N.A. Tamil Selvi Senior Research Fellow (Vegetable Science)

Invited Talks	S.No.	Time (IST)	Name of the Speaker	Title of the Presentation
	SP 0501	09:30 AM – 10:15 AM	Dr. N. Kumar Vice-Chancellor, Tamil Nadu Agricultural University, Coimbatore, India	FRUIT BREEDOMICS: APPROACHES FOR INCREASING BREEDING EFFICIENCY IN FRUIT TREE CROPS
SP 0502	10:15 AM – 11:00 AM	Dr. Pardeep Kumar Chhuneja Professor & Former Head, Department of Entomology, Punjab Agricultural University, Ludhiana, India	POLLINATION MANAGEMENT IN HORTICULTURAL CROPS	

Oral Presentations	S.No.	Time (IST)	Name of the Presenter	Title of the Presentation
	OP 0501	11:15 AM – 11:30 AM	R. Geetha	EXTRACTION OF FLOUR AND STARCH AND RECOVERY PERCENTAGE OF TUBER IN YETHAPUR TAPIOCA-2
	OP 0502	11:30 AM – 11:45 AM	R. Shanmugabhavatharani	COMPARATIVE PERFORMANCE OF MINT IN DIFFERENT HYDROPONICS SYSTEMS
	OP 0503	11:45 AM – 12:00 PM	Rakesh Tadkal	CORRELATION AND PATH COEFFICIENT ANALYSIS IN ASH GOURD [ <i>Benincasa hispida</i> (Thunb) cogn.] FOR YIELD AND YIELD RELATED TRAITS
	OP 0504	12:00 PM – 12:15 PM	T. Ilakiya	ANALYSIS OF VARIABILITY IN F <sub>2</sub> GENERATION OF TOMATO ( <i>Solanum lycopersicum</i> L.) CROSS EC177824 X LE27 UNDER DROUGHT STRESS
	OP 0505	12:15 PM – 12:30 PM	J. Jeevitha	MORPHOLOGICAL CHARACTERIZATION OF DIFFERENT CHILLI SPECIES FOR QUANTITATIVE AND QUALITATIVE CHARACTERS

**THEME 6: TRENDS IN AGRICULTURAL ENGINEERING FOR THE CHANGING LANDSCAPE**

<b>CHAIR</b>	<b>Dr. B. Sridhar</b> Dean, AEC&RI, TNAU, Coimbatore	<b>VENUE : IDP SEMINAR HALL, AEC&amp;RI, TNAU, COIMBATORE</b>
<b>FACULTY CO-CHAIR 1</b>	<b>Dr. K. Nagarajan</b> Professor & Head (SWCE)	<b>STUDENT CHAIRPERSON</b>
<b>FACULTY CO-CHAIR 2</b>	<b>Dr. P. Rajkumar</b> Professor & Head (FPE)	<b>STUDENT RAPPORTEUR</b>
		<b>Ms. R. Poornima</b> II Ph.D. (Environmental Science)
		<b>Ms. S. Karthika</b> II Ph.D. (Environmental Science)

<b>Invited Talks</b>	<b>S.No.</b>	<b>Time (IST)</b>	<b>Name of the Speaker</b>	<b>Title of the Presentation</b>
	<b>SP 0601</b>	<b>09:30 AM - 10:15 AM</b>	<b>Dr. V. Sridhar</b> <i>Diplomate, American Academy of Water Resources Engineers, Associate Professor, Department of Biological Systems Engineering, Virginia Tech, Blacksburg, VA</i>	<b>WATER MANAGEMENT IMPACTED BY CLIMATE EXTREMES AND FOOD-ENERGY-WATER NEXUS</b>
	<b>SP 0602</b>	<b>10:15 AM - 11:00 AM</b>	<b>Dr. Aavudai Anandhi</b> <i>Associate Professor, Biological Systems Engineering, Benjamin Bannekar Tech C, Florida A&amp;M University, Tallahassee, FL</i>	<b>ADVANCED ENGINEERING TECHNIQUES IN CONSERVATION OF NATURAL RESOURCES</b>

<b>Oral Presentations</b>	<b>S.No.</b>	<b>Time (IST)</b>	<b>Name of the Presenter</b>	<b>Title of the Presentation</b>
	<b>OP 0601</b>	<b>11:15 AM - 11:30 AM</b>	<b>N. Nisha</b>	<b>DEVELOPMENT OF TRACTOR FRONT MOUNTED HARVESTER FOR FINGER MILLET CROP</b>
	<b>OP 0602</b>	<b>11:30 AM - 11:45 AM</b>	<b>P. Vivek</b>	<b>FACTOR AFFECTING PERFORMANCE OF MECHANICAL LINKAGE PICKING FINGERS DURING AUTOMATIC TRANSPLANTING OF SEEDLINGS</b>
	<b>OP 0603</b>	<b>11:45 AM - 12:00 PM</b>	<b>K. Nithiya</b>	<b>LABORATORY STUDY ON EFFECT OF TEMPERATURE AND PARTICLE SIZE ON PIGEON PEA STALK BIO-OIL PRODUCTION</b>
	<b>OP 0604</b>	<b>12:00 PM - 12:15 PM</b>	<b>C.G. Karishma</b>	<b>LAND USE AND LAND COVER (LULC) CHANGE DETECTION USING GEOSPATIAL TECHNIQUES IN LOWER BHAVANI BASIN, TAMIL NADU</b>
	<b>OP 0605</b>	<b>12:15 PM - 12:30 PM</b>	<b>K.N. Vidya</b>	<b>MARKOV CHAIN MODEL OF WEEKLY RAINFALL PROBABILITY AND DRY AND WET SPELLS AGRICULTURAL PLANNING IN DHARMAPURI DISTRICT OF TAMIL NADU</b>

**LUNCH (12.30 PM Onwards)**

SCHOOL OF POST GRADUATE STUDIES  
TAMIL NADU AGRICULTURAL UNIVERSITY, COIMBATORE, INDIA

VALEDICTORY CEREMONY (03:00 PM – 04:30 PM)

DAY II: 08.09.2021 (WEDNESDAY)

PROGRAMME

VENUE : ANNA AUDITORIUM, TNAU, COIMBATORE

02.45 PM - 03.00 PM (IST)	ASSEMBLAGE	PARTICIPANTS & DELEGATES
03.00 PM - 03.05 PM (IST)	WELCOME ADDRESS	Ms. K. KEERTHANA II Ph.D. (Genetics & Plant Breeding), TNAU, Coimbatore
03.05 PM - 03.40 PM (IST)	THEMATIC REPORTS	STUDENT CHAIRPERSON OF EACH THEME
03.40 PM - 03.50 PM (IST)	WRAP UP REPORT	Dr. J.S. KENNEDY Dean, SPGS, TNAU, Coimbatore
03.50 PM - 04.05 PM (IST)	AWARD DISTRIBUTION	DIGNITARIES ON THE DAIS
04.05 PM - 04.15 PM (IST)	SPECIAL ADDRESS	Prof. Dr. N. KUMAR Vice-Chancellor, TNAU, Coimbatore
04.15 PM - 04.25 PM (IST)	VALEDICTORY ADDRESS	Dr. T. JANAKIRAM Vice-Chancellor, Dr. Y.S.R. HU, Andhra Pradesh
04.25 PM - 04.30 PM (IST)	VOTE OF THANKS	Ms. K.N. VIDYA II Ph.D. (Soil & Water Conservation Engg.), TNAU, Coimbatore
04.30 PM - 04.45 PM (IST)	REFRESHMENTS	IN FRONT OF ANNA AUDITORIUM

## THEME 1: DESIGNING NOURISHING FOOD FOR FUTURE: PERSPECTIVES IN CROP IMPROVEMENT

### INVITED TALKS

SP 0101



**Dr. Umesh K. Reddy**

Professor of Genetics and Genomics,  
West Virginia State University, USA

07.09.2021 - Tuesday  
10:45 AM - 11:30 AM

**TITLE** CONVENTIONAL AND  
MOLECULAR TECHNIQUES  
FROM SIMPLE BREEDING  
TO MOLECULAR BREEDING

SP 0102



**Dr. M. Vetriventhan**

Senior Scientist (Genetic Resources),  
ICRISSAT, Hyderabad, India

07.09.2021 - Tuesday  
11:30 AM - 12:15 PM

**TITLE** PLANT GENETIC RESOURCES:  
STRATEGIES FOR MINING  
NOVEL VARIATION IN THE  
LARGE EX SITU COLLECTION



## THEME 2: NEW VISTAS IN RESILIENT FARMING: TRENDS AND CHALLENGES IN CROP MANAGEMENT

### INVITED TALKS

SP 0201



**Dr. S.V. Krishna Jagadish**

Professor (Crop Ecophysiology), Adjunct Scientist-IRRI (Philippines),  
Department of Agronomy, Kansas State University, USA

07.09.2021 - Tuesday  
10:45 AM - 11:30 AM

**TITLE** NEW VISTAS IN RESILIENT  
FARMING: CHALLENGES IN  
CROP MANAGEMENT

SP 0202



**Dr. N. Devakumar**

Professor (Agronomy) & Registrar,  
University of Agricultural Sciences, GKVK, Bengaluru, India

07.09.2021 - Tuesday  
11:30 AM - 12:15 PM

**TITLE** RESILIENCE APPLIED TO  
FARMING: ORGANIC  
FARMERS' PERSPECTIVES

### THEME 3: EMERGING PARADIGMS IN CROP PROTECTION

#### INVITED TALKS

SP 0301



**Dr. Surendra Dara**

Entomology & Biologicals Advisor, University of California,  
Division of Agriculture and Natural Resources, San Luis Obispo, CA

**TITLE** THE NEW INTEGRATED PEST  
MANAGEMENT PARADIGM  
FOR THE MODERN AGE

07.09.2021 - Tuesday  
10:45 AM - 11:30 AM

SP 0302



**Dr. Mamta Sharma**

Theme Leader - Integrated Crop Management, Research Program-Asia  
ICRISAT, Hyderabad, India

**TITLE** GENOME ANALYSIS OF  
PATHOGENIC MICROBES

07.09.2021 - Tuesday  
11:30 AM - 12:15 PM



### THEME 4: ENHANCING SUSTAINABLE USE OF NATURAL RESOURCES FOR ENHANCING FOOD PRODUCTION

#### INVITED TALKS

SP 0401



**Dr. C.N. Neeraja**

Principal Scientist (Biotechnology), Crop Improvement,  
ICAR-Indian Institute of Rice Research, Hyderabad, India

**TITLE** APPROACHES IN BIO-  
FORTIFICATION OF FOOD  
CROPS WITH NUTRIENTS

07.09.2021 - Tuesday  
02.15 PM - 03.00 PM

SP 0402



**Dr. Muthu Arumugam**

Senior Scientist, National Institute for Interdisciplinary  
Science and Technology (NIIST), CSIR, Trivandrum, Kerala, India

**TITLE** BIOPROSPECTING OF  
MICROBIAL STRAINS FOR  
BIOFUEL PRODUCTION

07.09.2021 - Tuesday  
03.00 PM - 03.45 PM



## THEME 5: HORTICULTURE FOR UNSWERVING AND OPTIMIZED FOOD PRODUCTION

### INVITED TALKS

SP 0501



**Dr. N. Kumar**

Vice-Chancellor, Tamil Nadu Agricultural University, Coimbatore, India

08.09.2021 - Wednesday  
09.30 AM - 10:15 AM

**TITLE**  
**FRUIT BREEDOMICS:  
APPROACHES FOR INCREASING  
BREEDING EFFICIENCY IN  
FRUIT TREE CROPS**

SP 0502

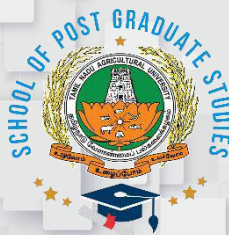


**Dr. Pardeep Kumar  
Chhuneja**

Professor & Former Head, Department of Entomology,  
Punjab Agricultural University, Ludhiana, India

08.09.2021 - Wednesday  
10.15 AM - 11:00 PM

**TITLE**  
**POLLINATION MANAGEMENT  
IN HORTICULTURAL CROPS**



## THEME 6: TRENDS IN AGRICULTURAL ENGINEERING FOR THE CHANGING LANDSCAPE

### INVITED TALKS

SP 0601



**Dr. V. Sridhar**

Diplomate, American Academy of Water Resources Engineers, Associate Professor,  
Department of Biological Systems Engineering, Virginia Tech, Blacksburg, VA

08.09.2021 - Wednesday  
09:30 AM - 10:15 AM

**TITLE**  
**WATER MANAGEMENT IMPACTED  
BY CLIMATE EXTREMES AND  
FOOD-ENERGY-WATER NEXUS**

SP 0602



**Dr. Aavudai Anandhi**

Associate Professor, Biological Systems Engineering,  
Benjamin Banneker Tech C, Florida A&M University, Tallahassee, FL

08.09.2021 - Wednesday  
10:15 AM - 11:00 PM

**TITLE**  
**ADVANCED ENGINEERING  
TECHNIQUES IN CONSERVATION  
OF NATURAL RESOURCES**

## THEME 7: PERSPECTIVES IN NUTRITION AND DIETETICS

### INVITED TALKS

SP 0701



#### Dr. H. Prathap Kumar Shetty

Professor, Department of Food Science and Technology,  
Pondicherry University, Pondicherry, India

07.09.2021 - Tuesday  
02:15 PM - 03:00 PM

**TITLE** FERMENTATION AS A TOOL FOR  
VALUE ADDITION OF POST-HARVEST  
AGRICULTURAL PRODUCES

SP 0702



#### Dr. Manoj Kumar

Scientist (Biochemistry), Chemical and Biochemical Processing Division,  
ICAR-Central Institute for Research on Cotton Technology, Mumbai, India

07.09.2021 - Tuesday  
03:00 PM - 03:45 PM

**TITLE** BIOACTIVE COMPOUNDS FROM  
PLANT MATRICES AND THEIR  
ROLE IN HUMAN HEALTH



## THEME 8: FOREST MANAGEMENT SCENARIOS IN A CHANGING CLIMATE

### INVITED TALKS

SP 0801



#### Dr. Sanjeev K. Chauhan

Head, Department of Forestry and Natural Resources,  
Punjab Agricultural University, Ludhiana, India

07.09.2021 - Tuesday  
02:15 PM - 03:00 PM

**TITLE** SHORT ROTATION FORESTRY:  
ROLE IN SUSTAINABLE RAW  
MATERIAL GENERATION

SP 0802



#### Dr. Ramakrishna Hegde

Professor and Head, Department of Silviculture and Agroforestry,  
College of Forestry, UAHS, Coorg, Karnataka, India

07.09.2021 - Tuesday  
03:00 PM - 03:45 PM

**TITLE** RECENT TRENDS IN FORESTRY  
AND AGROFORESTRY  
RESEARCH IN INDIA

## THEME 9: APPROACHES IN BIO NANOTECHNOLOGY FOR ENHANCING AGRICULTURAL PRODUCTIVITY

### INVITED TALKS

SP 0901



#### Dr. Senthil Subramanian

Professor, Department of Agronomy, Horticulture and Plant Science,  
Department of Biology & Microbiology, South Dakota State University, USA

07.09.2021 - Tuesday  
10:45 AM - 11:30 AM

### TITLE BIOTECHNOLOGY IN ENHANCING AGRICULTURAL PRODUCTIVITY

SP 0902



#### Dr. Nirmalesh K. Sampath Kumar

Director of Innovation and R&D,  
Vee Technologies, Tamil Nadu, India

07.09.2021 - Tuesday  
11:30 AM - 12:15 PM

### TITLE MARKET DRIVEN NANO RESEARCH AND PRODUCTS IN AGRICULTURE



## THEME 10: ENVIRONMENTAL, ECONOMIC AND SOCIAL DIMENSIONS OF FARM SUSTAINABILITY

### INVITED TALKS

SP 1001



#### Dr. P. Indira Devi

Director (Agri. Expert), Kerala State Farmer's Welfare Board,  
Kerala Agricultural University, Thrissur, Kerala, India

07.09.2021 - Tuesday  
02:15 PM - 03:00 PM

### TITLE SUSTAINABLE FOOD SYSTEMS AND FARMERS' WELFARE

SP 1002



#### Dr. Sharachchandra Lele

Distinguished Fellow in Environmental Policy & Governance,  
Centre for Environment & Development, Ashoka Trust for Research in  
Ecology and the Environment (ATREE), Bengaluru, India

07.09.2021 - Tuesday  
03:00 PM - 03:45 PM

### TITLE ENVIRONMENTAL ISSUES AND SUSTAINABILITY

