

3rdInternational Conference on “Global Initiative in Agricultural, Forestry and Applied Sciences for Food Security, Environmental Safety and Sustainable Development (GIAFAS-2021)”
(October 17-18, 2021)

JOINTLY ORGANIZED BY



Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, India

CONFERENCE PROGRAM SCHEDULE- Virtual Hall 1

Day-1 (Sunday) Date: 17.10.2021

Inaugural Session (10.00-12.00 IST: Indian Standard Time)- Live from Dehradun

Please click the link below to join the webinar:

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Webinar ID: 895 8876 3659

Passcode: 185502

Day-1 (Sunday) Date: 17.10.2021

Technical Session –I (12.15- 2.30 IST (Indian Standard Time):

(Theme-I: Innovative Approach in Agricultural and Allied Sciences)

Invited lectures, Oral Presentations and Felicitation of AETDS-2021 Awardees

Session Moderator: **Dr.Sangeeta (Mob: 8009468428)**

Chairman:Dr.Md. MotiarRohman, Plant Breeding Division, Bangladesh Agricultural Research Institute, Gazipur, Bangladesh, India

Co-Chairman:Dr. Priyanka Bankoti, Associate Professor, School of Agricultural Sciences, Shri Guru Ram Rai University, India

Co-Chairman:Er. Jeetendra Kumar, BAU, Sabour, India

Rapporteur: Dr.AS Mailappa, Department of NRM, College of Horticulture and Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh

Rapporteur: Dr. Rajeshwari M Desai, All India Coordinated Research Project on Home Science (Family Resource Management), University of Agricultural Sciences, Dharwad, Karnataka

Invited Lecture

Topic	Presenter	Time
An interventional analysis on drudgery reduction technologies for empowerment of farm women	Dr. Geeta Chitagubbi All India Coordinated Research Project on Home Science (Family Resource Management), University of Agricultural Sciences, Dharwad, Karnataka, India	12.00-12.10
A 10 \times 10 diallel crosses for developing high yielding and saline tolerant barley	Dr.Md. Motiar Rohman Plant Breeding Division, Bangladesh Agricultural Research Institute, Gazipur, Bangladesh, India	12.10-12.20
RKVY - RAFTAAR: A ray of hope for fostering startup ecosystem and agripreneurship in India	Dr.AS Mailappa Department of NRM, College of Horticulture and Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh	12.20-12.30
Reserve Slots	Reserve Slots	12.30-12.40

Oral Presentation

Topic	Presenter	Time
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Agricultural technologies popularized for reduction of drudgery and farm profitability	Dr. Rajeshwari M Desai All India Coordinated Research Project on Home Science (Family Resource Management), University of Agricultural Sciences, Dharwad, Karnataka, India	12.40
Role of different organic amendments in mitigating drought stress-induced oxidative stress in <i>Triticum aestivum</i>	Taufika Islam Anee Department of Agronomy, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh, India	12.47
Breeding innovation for vegetable and forage maize research in Vietnam: The progress and Future perspective	Dr. Nguyen Trung Duc Vietnam National University of Agriculture, India	12.54
Status of litchi in Bangladesh: Production, marketing and postharvest loss assessment	Dr. Sayla Khandoker Agricultural Economics Division, Bangladesh Agricultural Research Institute (BARI), Bangladesh, India	13.00
Integrated diversified fish farming and species conservation in Haldia (West Bengal): farmers' innovations and experiences	Dr. Suman Kumar Sahu Department of Fisheries, Government of West Bengal, India	13.08
Soil parameters estimation using hyperspectral remote sensing	Ali Refaat Ali Moursy Division of Soil and Water sciences, Faculty of Agriculture, Sohag University, Egypt	13.15
Modified single cross for developing high yielding field corn hybrids	Dr. Sumaiya Haque Omy Plant Breeding Division, Bangladesh Agricultural Research Institute, Gazipur, Bangladesh, India	13.22
Nutritional gardening -A way to achieve food and nutritional security in rural areas	Mrs. Poonam Abrol Community Science, Punjab Agricultural University Ludhiana, Punjab India	13.30
Traditional agricultural knowledge of tribes and resource based nutrient management interventions for the tribal farmlands of Madhya Pradesh	Shinogi K C ICAR-Indian Institute of Soil Science, Bhopal, Madhya Pradesh, India	13.37
Insight into the Mechanisms of Salt and Drought Tolerance in <i>Chenopodium album</i>	Dr. Khussboo Rahman Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh, India	13.45
Foraging behaviour of honey bees on onion	Dr. Neeraj Kumar Department of Entomology, TCA, Dholi, RPCAU, Bihar, India	13.53
Growth and biomass production of <i>Bombax Ceiba L.</i> Plantations after six years in relation to stand density	Mis. Rodda Chandana Devi RPCAU, Pusa, Samastipur, Bihar, India	14.00
Adoption of millets instead of paddy: Save water	Mis. Sneha Pandey Agricultural Economics IGKV Raipur Chhattisgarh, India	14.07
Genetic improvement of <i>Capsicum annum L.</i> through induced mutagenesis.	Dr. Mohd Gulfishan School of Agricultural Science, Global University, Mirzapur Pole, Saharanpur, India	14.15
Session Closing	Felicitation of Resource persons	14.25-14.30
Day-1 (Sunday) Date: 17.10.2021		
Technical Session –II (2.30- 7.00 IST):		
(Theme-I: Innovative Approach in Agricultural and Allied Sciences)		
Invited lectures, Oral Presentations and Felicitation of AETDS-2021Awardees		
Session Moderator: Dr. Sudhanand Prasad Lal (Mob: 7876890810)		
Chairman: Prof. Sanjay Swami, School of NRM, CAU, Meghalaya, India		

Co-Chairman: Prof. Dr. Baljeet Singh Saharan, Department of Microbiology, CCS Haryana Agricultural University, Hisar 125 004, India

Co-Chairman: Dr. S. S. Prasad, Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar, India

Rapporteur: Dr. Khilendra Singh, School of Agricultural Sciences, Shri Guru Ram Rai University, Dehradun

Rapporteur: Reserve Slots

Invited Lecture

Topic	Presenter	Time
Effect of Religious motifs on stress management	Prof. Sadhana D. Kulloli Department of Textile and Apparel Designing, College of Community Science, University of Agricultural Sciences, Dharwad, Karnataka, India	14.30-14.40
Biofertilizer production technology	Prof. Dr. Baljeet Singh Saharan Department of Microbiology, CCS Haryana Agricultural University, Hisar 125 004, India	14.40-14.50
Reserve Slots	Reserve Slots	14.50-15.00

Oral Presentation

Topic	Presenter	Time
Soil nutrient status and mapping of korasagu-4 micro-watershed of Channagiri taluk, Davanagere district, Karnataka, India	Dr. K. T. Gurumurthy Department of Soil Science and Agricultural Chemistry, College of Agriculture, Ksnuahs, Navile, Shivamogga, India	15.00
Edible coatings with active agents for shelf-life extension in fruits and vegetables	Dr. Sadaf Ahmad University Polytechnic, Aligarh Muslim University, Uttar Pradesh, India	15.07
Status, opportunities and genetic improvement of minor cereals in Bangladesh	Dr. Mohammad Zahirul Alam Talukder Plant Breeding Division, Bangladesh Agricultural Research Institute, Gazipur, Bangladesh, India	15.15
Statistical analysis of farm Income Diversification among the valley and hill farmers of Manipur	Dr. Khumbongmayum Rishikanta Singh ICAR Research Complex for NEH Region, Manipur Centre, Lamphelpat, Imphal, Manipur, India	15.22
The influence of groundwater desalination by bentonite / modified active carbon on its application in agriculture	Dr. Mohamed Eid Abdelhamid Elsayed Soils, Water and Environmental Res. Institute, Agriculture Research Center, Giza, Egypt	15.30
Protective role of biochar and chitosan biopolymer in enhancing salt tolerance in <i>Corchorus olitorius</i>	Dr. Md. Rakib Hossain Raihan Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh, India	15.37
Effect of germination on nutritional and anti-nutritional components of adzuki bean	Qurat Ul EainHyder Rizvi Department of Food Technology, Eternal University	15.45
Development of targeted yield equations on german chamomile (<i>Matricarisretutica</i>) in young alluvium calcareous soils	Dr. Shiva Nath Suman Department of Soil Science, PG College of Agriculture, RPCAU, Pusa, Bihar, India	15.53

Impact of intervention on functional ability among rural elderly	Dr. Sumangala Badami Dept.of Human Development and Family Studies, College of Community Science, University of Agricultural Sciences Dharwad, India	16.00
Incorporation of continuous and intermittence microwave application on convective drying of grated beetroot	Nazia Tabassum Post-Harvest Engg. & Technology, Aligarh Muslim University, UP, India	16.08
Effect of tillage practices and pendimethalin on soil biological properties and its dissipation kinetics in an acid Inceptisol under subtropical region	Dr.Kaberi Mahanta Department of Soil Science, Assam Agricultural University, Jorhat, Assam, India	16.15
Role of traditional galactogogues on breast milk production and infant development	Dr. Vinutha Muktamath, College of Community Science, University of Agricultural Sciences, Dharwad, India	16.23
Integrated pest management:A boon to farmers	Dr. Rabindra Prasad Department of Entomology, DRPCAU, Pusa,Samastipur,Bihar, India	16.30
Development of diversified jute products for upsurge in farmers' income	Mis. Zeba Jamal Dept. of Textile and Apparel Designing, CCS HAU, Hisar, Haryana, India	16.37
Role performance of DAESI Dealers	Dr. Surekha Sankangoudar Department of Extension and Communication Management, College of Community Science, University of Agricultural Sciences, Dharwad, Karnataka, India	16.45
Response of nutrients on potato yield	Dr.Amrendra Kumar Tirhut College of Agriculture, Dholi, Muzaffarpur, Department of Agronomy, India	16.53
Studies on honeybee, aphis mellifera L. and plant biodiversity including agroforestry in semi-arid region of Rajasthan	Dr. Suresh Kumar Khinchi Department of Entomology, SKN College of Agriculture, (SKNAU), Jobner, Rajasthan, India	17.00
Effect of different cereals grain extract media on mycelial growth of Pleurotus spp. (<i>P. sapidus</i> and <i>P. flabellatus</i>)	Dr. Sandeep Kumar SOA, Uttarakhand University, Premnagar, Dehradun , India	17.08
Impact of zinc and boron on shelf of vegetable Crops (onion and Tomato)	Dr. Tariq Ahmad Bhat ICAR_CITH. Jammu and Kashmir , India	17.15
Tractor drawn modular planter for Gram-A performance study	Dr.Tarun Kumar Maheshwari Farm Machinery and Power, CSA, University of Agriculture and Technology, UP, India	17.23
Contribution of green technologies in sustainable development	Dr.Ragini Kumari Deptt. of SSAC, BAU, Sabour, Bihar, India	17.30
Impact of salicylic acid on morphological traits of Valerianawallichii DC under Drought stress	Sadaf Ansari High Altitude Plant Physiology Research Centre,HNB Garhwal University, Uttarakhand, India	17.38

Histopathological impact of vitamin-C on sodium fluoride exposed Amur carp (<i>Cyprinus carpiohaematopterus</i>)	Dr.Rajinder Kaur KVK, Barnala, GADVASU, Ludhiana, Punjab, India	17.45
Vertical farming- an approach towards sustainable agriculture	Monika Menia PhD Scholar-Agronomy, SKUAST-Jammu, J&K, India	17.52
Effect of iron, zinc and boron on growth, yield, quality and storability of onion (<i>Allium cepa l.</i>) Cv. Agrifound light red	Dr. Sandeep G. More AAC, BEED, Affiliated-VNMKV, Parbhani, Maharashtra, India	18.00
Eminence attributes of okra (<i>Abelmoschus esculentus l. Moench</i>) pods as pretentious by cultivar and fruit size	Tanu Shiri CCSUniversity Meerut, Uttar Pradesh, India	18.08
Impact of climate change on incidence of major soybean and black gram diseases under Bundelkhand Agro-climatic zone	Dr. Indra Dev Singh Krishi Vigyan Kendra Tikamgarh (M P), India	18.15
Front line demonstrations of paddy drum seeder (8 Row) under well irrigated rice in Nalgonda district, Telangana State	Dr.Tejavath Bharath Krishi Vigyan Kendra Kampasagar Nalgonda PJTSAU Telangana India, India	18.22
Session Closing	Felicitation of Resource persons & AETDS-2021Awardees	18.30
Day-2 (Monday) Date: 18.10.2021		
Session Moderator: Dr.Mehjabeen (Mob: 8073970575)		
Technical Session –III (8.00- 12.00 IST): (Theme-I: Innovative Approach in Agricultural and Allied Sciences) Invited lectures, Oral Presentations and Felicitation of AETDS-2021 Awardees		
Chairman: Dr. Md Khairul Alam , Principal Scientific Officer, Bangladesh Agricultural Research Council, Dhaka, Bangladesh Co-Chairman:Dr. K. T. Gurusurthy , Professor, Department of Soil Science and Agricultural Chemistry, College of Agriculture, Ksnuahs, Navile, Shivamogga, India Co-Chairman:Dr. Ali Anwar , Division of Plant Pathology, SKUAST-K, Faculty of Horticulture,Shalimar,Srinagar, J&K, India Rapporteur: S. Pazhanisamy , Agronomy, Dr.RPCAUI, Pusa, Bihar, India Rapporteur: Dr. A. Ramesh Kumar , Department of Horticulture, Central University of Tamil Nadu, Thiruvavur, TN, India.		
Invited Lecture		
Topic	Presenter	Time
Standardisation, shelf-life study and nutrient composition of the beetroot enriched kodo millet pasta	Dr. Sarojani J Karakannavar PI (ICAR-NAE Project), Professor and Head, Department of Food Science and Nutrition, College of Community Science, University of Agricultural Sciences, Dharwad, Karnataka, India	8.00-8.10
Effect of temperature on conidial behaviour of <i>Phomopsis vexans</i> in lesions made on brinjal plants	Dr. Ali Anwar Division of Plant Pathology, SKUAST-K, Faculty of Horticulture,Shalimar,Srinagar, J&K, India	8.10-8.20
Reserve slots	Reserve slots	8.20
Oral Presentation		

Topic	Presenter	Time
System of Ragi intensification as an emerging SRI	S. Pazhanisamy Agronomy, Dr.RPCAU, Pusa, Bihar, India	8.27
Influence of nano-zinc oxide coated urea fertilizer on ammonia volatilization loss and inorganic nitrogen content in loamy sand soil	Fatma Nasr Eldin Thabit Hamdoon Lecturer in soils and water Dept., Sohag Univ., Sohag, Egypt	8.35
Utility potential of waste <i>Parthenium hysterophorus</i> an noxious weed	Dr. LobzangStanzen KVK Reasi, SKUAST-JAMMU , India	8.43
Agri-Business Incubator, SKUAST-Jammu: A New Paradigm for Young Agri-Entrepreneurs	Dr. Jyoti Kachroo Division of Agril. Economics &ABM,Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu (J&K)- India	8.50
Water saving transplanting and irrigation management practices in rabi Rice	R. Suresh Kumar Department of Agronomy, Amrita School of Agricultural Sciences, Amrita Vishwa Vidyapeetham, Coimbatore,Tamil Nadu, India	8.57
Combining ability in cherry tomato	Dr. Khursheed Hussain Hussain Division of Vegetable Science, Shalimar, India	9.05
Response of early sugarcane (<i>Saccharum officinarum L.</i>) Genotypes under varied NPK levels and row arrangement in subtropical climates of Bihar	Dr. Lalita Rana Dr. Rajendra Prasad Central Agricultural University, Pusa Samastipur, Bihar, India	9.12
Polysaccharide production and nitrate reduction by Blackgramrhizobial strains relating to nitrogen fixing ability	Dr. Diptimayee Dash Department of Agricultural Microbiology, Indira Gandhi Krishi Vishwa Vidyalyaya, Raipur, Chhattishgarh, India	9.20
New record of twelve species of Encyrtidae (Hymenoptera: Chalcidoidea) from different states of India	Dr. Krishna Chaitanya Tirunagaru Department of Agricultural Entomology, School of Agricultural Sciences & Technology (SAST), NarseeMonjee Institute of Management Studies (NMIMS) "University, Shirpur, Dhule District, Maharashtra , India	9.27
TEFF- a super millet crop	Dr. Ashoka P ICAR-KVK, (University of Agricultural Sciences, Dharwad)- Haveri Ranebennur (Tq), Haveri (Dist), Karnataka state, India	9.35
Synthesis and evaluation of Benzimidazolyl chromones against <i>Sclerotium rolfsii</i>	Dr.ParshantKaushik Agricultural chemicals, ICAR-IARI, New Delhi, India	9.43
Yield gap analysis through cluster frontline demonstrations in Groundnut	Dr.M Shankar SMS (Plant Protection), Krishi Vigyan Kendra, Kampasagar, Babusaipet (Post), Tripuraram (M), Nalgonda District, Telangana, India	9.50
Plant Biodiversity Enhances Bees and other Pollinators in Agroecosystems	Dr. Mohammad Rizwan Department of Entomology, Sardar Vallabhbhai Patel University of Agriculture & Technology Meerut, U.P. (India)	9.57

Production and immobilization of amylase from thermophilic bacteria from manikaran hot springs and its application in food industry	Dr.Neerja Rana Dr Y S Parmar University of Horticulture and Forestry Nauni Solan Himachal Pradesh, India	10.05
Ecological assessment of land use patterns in Rajasthan: Beginning of 21st century	Dr.Girdhari Lal Meena Agricultural Economics and management, MPUAT, Udaipur, Rajasthan, India	10.13
Govt. policies and planning for sustainable development of Agriculture FPO; a step forward to success	Dr.Amit Dixit College of Agriculture and Research Station, Kurud, Dhamtari, IGKV, Raipur(C.G.), India	10.20
Nano catalytic materials: A lead towards sustainable development	Dr.Monika Gupta Department of Chemistry, University of Jammu, India	10.28
Need for development of tribal knowledge network for sustainability	D.Vengatesan Agricultural Extension, Annamalai University, Tamil Nadu, India	10.35
Phytoplasma on sesame: Distribution, symptomatology, diagnosis, etiology, host range, epidemiology, insect vectors, molecular characterization, transmission, and integrated management	Dr. T. Boopathi ICAR-Indian Institute of Oilseeds Research, Rajendranagar, Hyderabad, Telangana, India	10.43
In vitro regeneration ability of tuberose (<i>Polianthes tuberosa L.</i>).	Dr.Abhinash Moirangthem Department of Horticulture, College of Agriculture, Central Agricultural University, Imphal, Manipur, India	10.50
Geospatial modelling of change in land use land cover dynamics in Part of Majhagawan block using geo informatics	Santosh Kumar Department of Physical Science, MGCGV Chitrakoot Satna MP India	10.58
Role of non-timber forest products (NTFPs) supporting healthcare and livelihood in Gurez valley of north-western Himalayas	Dr.Ummar Atta Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir, India	11.05
Export performance of garlic of India	Dr. Rajesh Damodhar Vaidkar Dr PDKV, Akola, Maharashtra, India	11.13
Pattern of livelihood diversification of households in India	Diksha Division of Agricultural Economics and ABM SKUAST Jammu, India	11.20
Utilization of Trichoderma spp. For growth promoting and controlling <i>Fusarium oxysporum</i> disease of <i>Ocimumtenuiflorum (Linn.)</i>	Nasreen Musheer Department of Plant Protection, Aligarh Muslim University, Aligarh, U.P., India	11.27
Influence of biostimulants on growth and yield of Aggregatum onion var. CO 4	Dr. A. Ramesh Kumar Department of Horticulture, Central University of Tamil Nadu, Thiruvavur, TN, India.	11.35
Variation in hematological parameters during gonadal maturity and breeding of snow trout <i>Schizothoraxrichardsonii</i>	Dr.Uzma Siddiqui Zoology Department, DSB Campus Kumaun University Nainital Uttarakhand , India	11.43
Session Closing	Felicitation of Resource persons & AETDS-2021Awardees	11.50

Day-2 (Monday) Date: 18.10.2021

Technical Session –IV (12.00- 15.30 IST):

(Theme-I: Innovative Approach in Agricultural and Allied Sciences)

Invited lectures, Oral Presentations and felicitation of AETDS-2021Awardees

Session Moderator: Mr. Y.N.Patil, Miss. Babita Joshi,

Chairman: Dr. Ibrahim Ortas, University of Cukurova, Faculty of Agriculture, Department of Soil Science and Plant Nutrition, Turkey

Co-Chairman: Prof. Hemalatha S., Department of Food Processing Technology, UAS, Dharwad, Karnataka, India

Co-Chairman: Dr. Shikha Ahlawat, CCS HAU, Hisar, Haryana, India

Rapporteur: Dr. Nareshkumar E. Jayewar, Department of Agricultural Entomology, College of Agriculture, Ambajogai, VNMKV, Parbhani, India

Rapporteur: Dr. Rajesh Rathod, College of Agriculture, DBSKKV, Dapoli, Maharashtra, India

Invited Lecture

Topic	Presenter	Time
The role of mycorrhiza in food security and challenge with climate change	Dr. Ibrahim Ortas University of Cukurova, Faculty of Agriculture, Department of Soil Science and Plant Nutrition	12.00-12.10
Impact of processing methods on lipid oxidation of normal and high oleic peanut genotypes	Prof. Hemalatha S. Department of Food Processing Technology, UAS, Dharwad, Karnataka, India	12.10-12.20

Oral Presentation

Topic	Presenter	Time
Sensory Attributes and Yield of Non-traditional Crop knolkhol grown under varied times of planting, spacing and nitrogen doses in Southern Agroclimatic zone of Andhra Pradesh	Dr. Lalitha Kadiri College of Horticulture, Anantharajupeta, Dr. Y.S. R. Horticultural University, Andhra Pradesh, India	12.20
Digestive, meatabolic and antioxdant enzyme activities of Labeobata (Hamilton, 1822) adults fed with dietary neem oil and nonylphenol	Prasanta Jana Fish Nutrition and Feed Technology, ICAR-CIFE, Mumbai, India	12.28
Seasonal Abundance of Chilli mites in Marathawada Region of Maharashtra	Dr. Nareshkumar E. Jayewar Department of Agricultural Entomology, College of Agriculture, Ambajogai, VNMKV, Parbhani, India	12.35
Socio economic and communication characteristics of farm women using ICT tools	Mis. Shivani Jha Department of extension education, Punjab agricultural University, India	12.42
Water harvesting technology methods advantages in Tuticorin district	Dr. Rajasekaran. R Department of Agriculture Extension and Rural Sociology, Tamil Nadu Agricultural University, Coimbatore Tamil Nadu, India.	12.50
Integrated Hill Farming System for Year Round Food, Nutritional and Livelihood Security	Dr. Subhra Saikat Roy ICAR Research Complex for NEH Region, Manipur Centre, P.O. Lamphelpat, Imphal, Manipur, India	12.58
Elephant foot yam diversification in vegetable crops	Ashish Narayan Department of Plant Breeding and Genetics, TCA Dholi, DRPCA, Pusa, Bihar, India	13.05

Exfoliative vaginal cytology and hormonal profile of Malabari crossbred does during the oestrus cycle	Upasana Ratnakaran School of Agricultural Sciences and Technology, NMIMS Shirpur, Maharashtra, India	13.13
Growth and yield of Capsicum (Capsicum annum L.) as influenced by planting methods, mulching and NAA application	Priyanka Bijalwan Defence Institute of Bio-energy Research, DRDO, Pithoragarh, Uttarakhand, India	13.20
"waste to wealth: Source of income from Pineapple waste"	Thangjam Roshini The Maharaja Sayajirao University of Baroda, India	13.27
Bio-based faux leather: animal and eco-friendly alternative	Diksha Bisht Textile and Apparel Designing, CCS HAU Hisar, Haryana, India	13.35
Structure and Pattern of Labour Utilization in Crop Activities in Sub Humid and Humid Southern Plain Region of Rajasthan	Dr. Arjun Singh Rajput Rajasthan college of Agriculture, MPUAT, Udaipur, India	13.43
Gene interaction studies for yield component traits in rice	Dr.Sudeepthi Konuku Genetics and Plant breeding, Acharya N.G Ranga Agricultural University, Andhra Pradesh, India	13.50
Study of lac insects, Kerria sp biodiversity in western plains of India through molecular approach	Dr. Sugan Chand Meenaa ICAR-CAZRI RRS Jaisalmer, India	13.57
A study on Effectiveness of ICT Module on Dissemination of Knowledge among Dairy Farm women	Dr. Geeta Channal Associate Professor & Senior Scientist, AICRP-HE, MARS, Research Complex, UAS,Dharwad, Karnataka -State, India	14.05
Development of instant fish cutlet mix from Nile tilapia-an attempt in utilizing farmed fish for ready to cook product	Dr. Rehana Raj Biochemistry and Nutrition Division, ICAR Central Institute of Fisheries Technology, Cochin, Kerala India	14.13
Economics Study of Pigeon Pea(Tur)	Dr.Devyane Keshav Nemade Department of Agricultural Economics & Statistics, Dr. PDKV, Akola, M.S. India	14.20
Evaluation of Modified Onion Storage Structure under Northern dry zone of Karnataka	Dr. P. Vasudev Naik ICAR Krishi Vigyan Kendra, Aland Road, Kalaburagi, India	14.28
Enhancement in yield potential Elephant foot yam (Gajendra) in Nalanda District.	Dr. Umesh Narayan Umesh Ktishi Vigyan Kendra, Haranaut, Nalanda, India	14.35
A comparative study between Inter-collaboration networks among the institutional actors of Cooch Behar and Jalpaiguri districts of West Bengal	Golam Torab Ali Department of Agricultural Extension, Uttar Banga Krishi Viswavidyalaya, Pundibari, District-Cooch Behar, State-West Bengal. India	14.43
.....	Dr. M.Thiruppathi Department of Agronomy, Faculty of Agriculture, Annamalai University, Annamalai Nagar, Tamil Nadu, India.	14.50
Studies of Pusa Hydrogel application on yield and productivity of Wheat under	Dr. Yogendra Kumar Shukla Soil Science RVSKVV Gwalior M.P. India	14.58

limited irrigation conditions in Nimar Region of Madhya Pradesh		
Effect of organic, integrated and inorganic nutrient sources on plant height, tiller numbers leaf area index and total chlorophyll content of Pant Basmati I (<i>Oryza sativa</i>)	Sheela Rautela Department of plant physiology, GB pant University of agriculture and technology, India	15.05
A constraint analysis on production of jaggery in Tamil Nadu	Dr. Mehazabeen. A Department of Agricultural Economics, Annamalai University, Tamil Nadu, India	15.13
Validation of Ovsynch and Heat Synch Protocol in Post-Partum Anoestrus Cows	Dr. Dinesh Mahato , KVK jehanabad, BAU sabour, India	15.20
Session Closing	Felicitation of Resource persons & AETDS-2021 Awardees	
Day-2 (Monday) Date: 18.10.2021		
Technical Session –V (15.30- 19.00 IST):		
(Theme-II: Natural Resource Management, Food and Environmental Security)		
Invited lectures, Oral Presentations and felicitation of AETDS-2021Awardees		
Session Moderator: Dr.ShaziaPaswal (Mob: 88250 03899)		
Chairman: Prof. Mirza Hasanuzzaman , Sher-e-Bangla Agricultural University, Bangladesh		
Co-Chairman: Abul Awal Chowdhury Masud , Assistant Professor, Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka , Bangladesh		
Co-Chairman: Dr. Shobha Rani , Sr. Scientist & Head, KVK, Jehanabad, BAU, Sabour, India		
Rapporteur: Dr. P.C.Chanyal , Kumaun University, Nainital, Uttarakhand, India		
Rapporteur: Dr. Rabiya Basri , School of Agriculture, ITM University, India		
Invited Lecture		
Topic	Presenter	Time
Reserve Slots		15.30-15.40
Role of Self-Help Groups (SHGs) for all round development of farm women	Dr. Shobha Rani , Sr. Scientist & Head, KVK, Jehanabad, BAU, Sabour, India	15.40-15.50
Reserve Slot	Reserve Slot	15.50
Oral Presentation		
Topic	Presenter	Time
Effect of organic manures and biofertilizers on seed yield and soil nutrient status after harvest of Spinach beet	Dr. Asma Jabeen Vegetable science, ICAR-CITH, Srinagar, J&K, India	16.00
Assessment of gamma irradiation-induced mutations for improvement of inflorescence traits in lentil (<i>Lens culinarisMedik.</i>)	Dr.Rafiul Amin Laskar Department of Botany, Bahona College, Jorhat, Assam	16.07
Prevalence of brucellosis in milk sample in Jaipur	Dr. Raghavendra Prasad Mishra Department of veterinary public health and epidemiology, ACVM, RAJUVAS, Rajasthan, India.	16.15
Studies on resistance to in-situ germination in inter-specific derivatives	Dr. Rani Asaram Jadhav	16.23

of mung bean (<i>V. radiata x V. radiata var. sublobata</i>)	Department of Genetics and Plant Breeding, Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani, Maharashtra, India	
Evaluation of insecticidal properties of Karanj (<i>Pongamia glabra</i>) against banana leaf and fruit scarring beetle (<i>Basileptasubcostatum</i>) (Coleoptera: Chrysomelidae)	Priyanka Borbaruah Assam Agricultural University, India	16.30
The role of salicylic acid in plants exposed to heavy metal	Fatima Shabir Glocal university saharanpur, India	16.37
Transforming farm lands into small tea gardens: socio-economic impact on participation of farm women	Monirul Haque Department of Agricultural Extension, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal, India.	16.45
Innovative intercropping of chilli+ muskmelon on plastic mulching during summer for doubling the farmers income	Dr. Yogesh Dattatray Pawar Scientist (Horticulture) Krishi Vigyan Kendra, S.D. Agricultural University, Deesa (Gujarat) , India	16.53
Effect of monsoon season on different stocking density of <i>Litopenaeusvannamei</i> (boone, 1931) growth, survival in province of gujarat state in india	Dr. Anil SavjiKotiya Kamdhenu university, Department of aquaculture, Kamdhenu university, Gujarat, India	17.00
Effect of root dip treatment of onion seedlings for the management of Thrips tabaci	Dr. Rabiya Basri School of Agriculture, ITM University , India	17.07
Diversification and intensification of rice based cropping system for higher production potential	Dr. Nidhi Verma JNKVV, Krishi vigyan Kendra Narsinghpur, MP India	17.15
Study on diversity of Trichoderma from the rhizosperic soil of solanaceous crops in Assam	Mehjebin Rahman Assam Agricultural University, Jorhat, Assam, India	17.23
Assessment of work place hazard of agro industrial workers.	Dr AK Shrivastava College of Agriculture and Research Station Saja village Mohgaon district Bemetara, India	17.30
Use of ICT among rural farmers in agricultural development	Dr.Kumari Shipra RPCAU Pusa Bihar, India	17.38
Banana pseudo stem sap: An eco-auxiliary for textile finishing	Dr. Sakeena Naikwadi Department of Textile and Apparel Designing, College of Community Science, University of Agricultural Sciences Dharwad, Karnataka, India.	17.45
Intervention under use of value added jaggery for increasing hemoglobin level of adolescent girl in Auraiya district (UP)	Dr.Rashmee Yadav Krishi Vigyan Kendra Parwaha, Auraiya Uttar Pradesh, India	17.53
Methods of breaking hardseededness in mungbean	Gunthaadhithya Seed Science and Technology, UAS, GKVK, Bangalore, India	18.00
Biorational: New approach in plant protection	Dr.Vijay Laxmi Rai	18.08

	College of Agriculture Campus Kotwa Azamgarh, ANDUA&T Ayodhya, UP, India	
Defense signaling mechanism in plants against micro creatures	Dr. Mahaveer Singh Bochalya CCSHAU Rice Research Station, Kaul, Kaithal, Haryana, India	18.15
Biofortification of rice-A brief overview	Takhellambam Julia Department of Genetics and Plant Breeding, College of Agriculture, Central Agricultural University, Imphal, Manipur, India	18.23
Biological Controls of Aflatoxin in Crops (Rice)	Dr. Rakhi Kumari University Department of Botany, BNMU, Madhepura, Bihar, India	18.30
Combining ability studies in Cherry tomato for yield and yield attributing traits in Open and Protected Conditions	Sameena Maqbool Lone Division of Vegetable science, SKUAST-KASHMIR, J&K, India	18.37
Effects of Nano fertilizers on wheat.	Mis. Jayanti Yomso , LPU, PhagwarA	18.45
Reserve Slot	Reserve Slot	18.53
Session Closing	Felicitation of Resource persons & AETDS-2021Awardees	19.00

CONFERENCE PROGRAM SCHEDULE- Virtual Hall 2

Day-1 (Sunday) Date: 17.10.2021		
Join Zoom Meeting https://us02web.zoom.us/j/87228022936?pwd=dTB5VXpRRE95TW5FakVZbjdneVMvUT09 Meeting ID: 872 2802 2936 Passcode: 849996		
Technical Session –I (12.00- 2.30 IST (Indian Standard Time): (Theme 2: Agroforestry, Natural resource management, Food and Environmental Security) Invited lectures, Oral Presentations and Felicitation of AETDS-2021 Awardees Session Moderator: Mr. Diptanu Banik (7005652842)		
Chairman: Prof. Syed Sadarunnisa, Professor and Head, Department of Vegetable Science, College of Horticulture, Anantharajupeta, Rly Kodur, Kadapa (Dt.), Andhra Pradesh, India Co-Chairman: Dr. Abdul Majid Ansari, ZRS, Chiyanki, BAU, Ranchi, Jharkhand, India Co-Chairman: Dr. J. P. Singh, Associate Professor, School of Agricultural Sciences, Shri Guru Ram Rai University, Dehradun, India Rapporteur: Chaw Su Su Htwe, Plant Genetic Resources, IARI (from Myanmar), India Rapporteur: Dr. (Ms.) Anindita Saha, Department of Agricultural Extension, Institute of Agriculture (PSB), Visva-Bharati University, Sriniketan, Birbhum, West Bengal, India		
Invited Lecture		
Topic	Presenter	Time
Yield and Economics of Broccoli (Brassica oleracea var. italica L. Plenck) under fertigation preceded by cowpea	Prof. Syed Sadarunnisa Professor and Head Department of vegetable Science, College of Horticulture, Anantharajupeta, Rly Kodur, Kadapa (Dt.), Andhra Pradesh	12.00-12.10
Partial substitution of maize mineral fertilization with some organic and bio-fertilizers	Dr. Huda Mohamed Mahmoud Ahmed Soils, Water and Environment Research Institute, Agricultural Research Centre, Giza, Egypt.	12.10-12.20
Reserve slots	Reserve slots	12.20-12.30
Reserve slots	Reserve slots	12.30-12.40
Oral Presentation		

Topic	Presenter	Time
Effect of biochar application along with municipal solid waste on heavy metal availability and dry matter yield of spinach	Dr. M. Vassanda Coumar ICAR-Indian Institute of Soil Science, Bhopal, MP,India	12.40
Nursery studies in Bauhinia species	Dr. Rajesh Monga UIAS, Chandigarh University, Punjab, India.	12.47
Genebank Genomics	Chaw Su Su Htwe Plant Genetic Resources, IARI (from Myanmar)	12.54
Chemical weed control in maize (review)	Mustapha Na Allah Sale Agronomy, Lovely professional university Punjab, India	13.00
Compilation of chilli indigenous knowledge in Sikkim state	Dr. (Ms.) Anindita Saha Department of Agricultural Extension, Institute of Agriculture (PSB), Visva-Bharatii University, Sriniketan, Birbhum, West Bengal, India	13.08
Biomass and productivity of khejri (<i>Prosopis cineraria</i>) based agroforestry systems in arid parts of India	Dr.Sandeep Arya Department of forestry, CCS Haryana Agricultural University Hisar, India	13.15
Synthesis and characterization of novel heterocyclic 2- Aminopyrimidine Schiff bases as fungitoxic agents.	Amanpreet Kaur Department of Chemistry, Punjab Agricultural University Ludhiana,Punjab,India	13.22
Delineation of ground water potential zones using remote sensing, GIS and geophysical technique in harahua block, district varansi, uttar pradesh	Dr. Ritu Jain Department of Geography National P.G.College Lucknow. University of Lucknow Uttar Pradesh, India	13.30
Intangible benefits of agroforestry system-an analysis on willingness to pay by farmers in the agro climatic zone of Tamil Nadu	Dr. Naveen Kumar P. Assistant professor, Department of Agricultural Economics, Amrita Institute of Agricultural Science, Amrita University, Coimbatore, Tamil Nadu, India	13.37
Land demand for food and cooking fuel-wood in India	Dr. Thomas Felix	13.45
Non-timber forest genetic resource and its role in Agroforestry systems	Dr. Rajesh P Gunaga Department of Forest Products and Utilization, College of Forestry, Navsari Agricultural University, Navsari, Gujarat	13.53
Climate change and migration	Dr. Minakshi Chakraborty DGM Mahindra and Mahindar	14.00
Characterization of efficient biosurfactant producing bacterial isolates from the Yamuna river sediments	Zarreena Siddiqui Aligarh Muslim University, Ind DGM Mahindra and Mahindara, India	14.07
True morels, Morchella from Jammu and Kashmir biodiversity	Mis. Eyram Hamid Glocal University, Saharanpur, India	14.15
Session Closing	Felicitation of Resource persons	14.25-14.30
Day-1 (Sunday) Date: 17.10.2021		
Technical Session –II (2.30- 7.00 IST):		
(Theme 2: Agroforestry, Natural resource management, Food and Environmental Security)		
Invited lectures, Oral Presentations and Felicitation of AETDS-2021Awardees		
Session Moderator: Dr. Mehjabeen (8073970575)		
Chairman:Prof (Dr.) Malvika Sati Kandpal, HOD Post Graduate Studies, College of Education, Shri Guru Ram Rai University, Dehradun, India		
Co-Chairman: Dr. Vipin Kumar Mishra, KVK West Kaiming, Arunachal Pradesh, India		

Co-Chairman: Dr. A. K. Saxena, Associate Professor, School of Agricultural Sciences, Shri Guru Ram Rai University, Dehradun, India
Rapporteur: Dr. Govind Kumar, Crop Production Division, ICAR Central Institute for Subtropical Horticulture, Lucknow, India
Rapporteur: Dr. Shiwani Bhatnagar, Arid Forest Research Institute, Jodhpur, India

Invited Lecture

Topic	Presenter	Time
Development of Sustainable Agriculture System in Cold Arid Regions of Ladakh	Dr. Anurag Saxena ICAR-National Dairy Research Institute, Karnal, Haryana, India	14.30-14.40
Vanillic Acid Pretreatment-induced Modulation of Physiology, Antioxidant Defence and Glyoxalase Systems to Improve Drought Tolerance of Tomato	Dr. Khursheda Parvin Department of Horticulture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh, India	14.40-14.50
Breeding technology changes the landscape of ruminant industry	R.I.A. Raja Khalif Faculty of Agro Based Industry, University of Malaysia	14.50-15.00

Oral Presentation

Topic	Presenter	Time
Climate Change and its impact on Indian Agriculture	Asif Mohi Ud Din Rather Vegetable Science, SKUAST-Kashmir, India	15.00
Effects of silicon application on growth and yield attributes on rice (<i>Oryza sativa</i>) under normal and water stress condition	Thi Thi Myint (Myanmar) Plant Physiology, GB Pant University of Agriculture and Technology, Uttrakhand, India	15.07
Studies on the nesting behaviour in feral <i>Apis cerana</i> colonies	Dr. B V Shwetha Department of Apiculture, College of Agriculture, University of Agricultural Sciences, GKVK, Bangalore, India	15.15
Soil and Water Characteristics of North Bihar Fish Ponds in relation to Fish Production	Dr. Shiv Shankar Prasad Department of Soil Science, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar, India	15.22
Effect of herbal edible coating to extend the shelf life of banana Var. ney poovan stored at room temperature.	Dr. S. Venkatesan Department of Horticulture, Faculty of Agriculture, Annamalai University, Tamil Nadu, India.	15.30
GIS approach in mapping potential upland fisheries resources of anjaw district in eastern himalayas	Dr. Deepjyoti Baruah ICAR-Indian Agricultural Research Institute, Dirpai Chapori, Gogamukh, Dhemaji, Assam, India	15.37
Development of Web Based Application for Analysis of Strip Plot Design	Dr. Sarita Rani Department of Mathematics and Statistics, COBS&H, CCSHAU, Hisar, India	15.45
Influence of different levels of sulphur and biofertilizers on soil properties and yield of mulched Groundnut (<i>Arachis hypogaea L.</i>) in lateritic soils of Konkan region	Dr. Sagar Chandrakant Jadhav Department of Soil Science and Agricultural Chemistry, Dr. Balasaheb Sawant Konkan Krishi Vidhyapeeth, Dapoli, Maharashtra, India	15.53
Agronomical strategies for year-round fodder production and conservation of surplus fodder for dairy animals under North-west Himalayas	Dr. Manpreet Kour Division of Agronomy, SKUAST-Jammu, Jammu and Kashmir (UT,) India	16.00
Interactive effect of Meloidogyne incognita and fly ash on the growth,	Adnan Shakeel Aligarh Muslim University, India	16.08

physiology, and antioxidant properties of carrot (<i>Daucus carota L.</i>)		
Knowledge level of tribes and forest dwellers on wild fruits and wild vegetables	Dr. Rajeshwari N Dept of ECM, College of Community Science, UAS, Dharwad-5, India	16.15
Biodegradation of pesticides	Dr. Govind Kumar Crop Production Division, ICAR Central Institute for Subtropical Horticulture, Lucknow, India	16.23
Floristic diversity, aboveground biomass and carbon stock in coffee-based agroforestry system and adjoining natural forests of Central Western Ghats, India	Dr. Baliram g nayak Department of Natural Resource Management, College of Forestry, University of Agricultural and Horticultural Sciences (UAHS) Shivamogga, Karnataka, India	16.30
Soil organic carbon fractions and carbon stocks in different orchards of eastern Indo Gangetic plains of India	Dr. Vipin kumar Department of soil science, PG College of Agriculture, Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar, India, Pin Code-848125	16.37
Effect of Vehicular Pollution on Avenue Trees of NH-31 from Naugachhia to Begusarai	Dr. Sujata kumari Botany department, R.J.M. college, B.N.M.U, Madepura, Bihar, India	16.45
Popularization of medicinal plant-based Agroforestry practices for higher income to the farmers and conservation of medicinal plant resources	Arun Kumar Shukla Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Central University, Chhattisgarh, India	16.53
Changes in Structural Characteristics of Humic acid in soils having different nutrient management practices as revealed by spectroscopic techniques	Dr. Priya Saini Division of Agricultural Chemicals, ICAR-IARI, New Delhi, India	17.00
Assessment of the effect of compost amendment on sorption of sulphonamide antibiotics in sandy loam soil of Delhi	Dr. Neethu Narayanan Division of Agricultural Chemicals, ICAR-IARI, New Delhi, India	17.08
Biochemical profiling of safflower (<i>Carthamus tinctorius</i>) petals	Dr. Praduman Yadav Scientist,SS, ICAR-Indian Institute of Oilseeds Research, Hyderabad, India	17.15
Artificial diet for laboratory rearing of <i>Acanthoporous serraticornis</i> (Olivier) Khejri root borer; Marwar teak defoliator <i>Patialus tecomella (coleoptera: curculionidae)</i> infestation on <i>Tecomella undulata</i> (Sm.) Seem. (Rohida) in Rajasthan;	Dr. Shiwani Bhatnagar Arid Forest Research Institute, Jodhpur, India	17.23
Assessment of weed management practices on productivity and economics of Pigeonpea	Dr. Vinod Kumar KVK Munger	17.30
Status of farm produce and food grain availability in the western himalaya: a case study of the uttarakhand himalaya	Dr. Vishleshwar Department of Geography, D.S.B. Campus Nainital, Kumaun University Nainital, Uttarakhand, India	17.38
Knowledge of environmental issues among college students of dharwad, karnataka, india	Mis. Shobha Kasar All India Coordinated Research Project on Home Science (Family Resource Management), University of Agricultural Sciences, Dharwad, Karanataka, India	17.45
Nutritional Aspects of <i>Moringa oleifera</i> Lam.	Mr. Mohit Kundal	17.52

	Department of tree improvement and genetic Resources, College of Forestry, Dr Yashwant Singh Parmar university of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, India	
Determination of Aquifer parameters by using AQTESOLV-Software	Mis. Dimple Soil and Water Engineering, CTAE, MPUAT, Udaipur, Rajasthan, India	18.00
Effect of lactic acid fermentation on nutritional, anti-nutritional and bioactive components of finger millet (<i>Eleusine coracana L.</i>)	Mis. Sumaira Jan Department of Food Technology Eternal University Baru Sahib Himachal Pradesh, India	18.08
Forest Fire and its influence on environmental conditions: A review	Mr. Rajesh Kumar Department of Forestry, Wildlife & Environment Science, Guru Ghasidas Vishawavidhyalaya (A central University), Bilaspur, Chhattisgarh, India	18.15
Effects of bioaccumulation of copper on growth and biochemical constituents of the seedlings of <i>Casuarina equisetifolia L.</i> (Casuarinaceae)	Dr. Rathna Kumari B M Department of Botany, Bangalore University, Bangalore, India	18.22
Zero Budget Natural Farming of vegetable crops in India	Mr. Omkar Aralikatti Department of Vegetable Science, Dr Y S Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, India.	18.30
Seasonal study of stress in the Hill stream fish Golden Mahseer sampled from the Eastern Ramganga a tributary of Mahakali River	Mr. Arun Kalkhundiya Department of Zoology, L.S.M. Govt. G. P. Collage Pithoragarh, Kumaun University Nainital 262501, India	18.37
Value Chain Analysis of Prominent Vegetables in Nadia District of West Bengal	Mis. Barsha Sarkar Bidhan Chandra Krishi Viswavidyalaya, India	18.45
Organic manure as an alternative to the conventional mineral fertilizers in cultivation of <i>Digitalis purpurea L.</i>	Yashwant Singh Tariyal High Altitude Plant Physiology Research Centre, HNB Garhwal University (A Central University) Srinagar Garhwal Uttarakhand India	18.52
Bioremediation of Salt Affected Soils Using Halophiles	Divya Chadha Soil Science and Agriculture Chemistry, SKUAST-Jammu), (J&K), India	19.00
Production, optimization and characterization of siderophore by fluorescent pseudomonads (K1, G1& H1S) and its application to suppress the growth of pathogen and growth promotion of mustard plant.	Mis. Apoorva Dixit Department of Environmental Microbiology, Babasaheb Bhimrao Ambedkar University, Lucknow, U.P, India.	19.08
Banana pseudo stem sap: An eco-auxiliary for textile finishing	Dr. Sakeena Naikwadi Department of Textile and Apparel Designing, College of Community Science, University of Agricultural Sciences Dharwad, Karnataka, India.	
Session Closing	Felicitations of Resource persons	
Day-2 (Monday) Date: 18.10.2021		
Join Zoom Meeting https://us02web.zoom.us/j/87228022936?pwd=dTB5VXpRRE95TW5FakVZbjdneVMvUT09 Meeting ID: 872 2802 2936 Passcode: 849996		
Session Moderator: Mrs. Meenal (9084482797)		

Technical Session –III (8.00- 12.00 IST):**(Theme 3: Life Sciences, Biomedical Sciences, and Biotechnological aspects)****Invited lectures, Oral Presentations and Felicitation of AETDS-2021 Awardees****Chairman: Dr. Suman P.S. Khanuja**, Founder Chairman, Flora Fauna Science Foundation Lucknow, Uttar Pradesh (India)**Co-Chairman: Dr. Arvind Kumar**, Forest Research Institute, Dehradun, India**Co-Chairman: Dr. Mohd Sajjad Ahmad Khan**, Department of Basic Sciences, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia**Rapporteur: Dr. M. Jayaprada**, College of Horticulture, Anantharajupeta, Kadapa, India**Rapporteur: Dr B. Bindu**, Farming Systems Research Station, Sadanandapuram, Kottarakkara, Sadanandapuram, P.O, Kollam district, Kerala, India**Invited Lecture**

Topic	Presenter	Time
Identification of marker associated qtl for yield and its components in rice (<i>Oryza sativa L.</i>)	Dr. M. Jayaprada Associate Professor (GPBR), College of Horticulture, Anantharajupeta, Kadapa dt., India	8.00-8.09
-----	Dr. Suman P.S. Khanuja Founder Chairman, Flora Fauna Science Foundation Lucknow, Uttar Pradesh (India)	8.09-8.19
Silver nanoparticles in dentistry: An emerging trend to combat oral diseases	Dr. Mohd Sajjad Ahmad Khan Department of Basic Sciences, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia	8.19
Oral Presentation		
Topic	Presenter	Time
Aquatic Hyphomycetes of Machilivan-An Unexplored Foothill Region of Kumaun Himalaya, India	Miss. Saima Altaf Department of Botany, Kumaun University, Nainital, Uttarakhand, India	8.27
Studies on the diversity of Mango fruit flies in saharanpur district of Uttar Pradesh	Dr. Dil Mahjoora Majeed Glocal University mirzapur Saharanpur, India	8.35
Enhancement of salt stress tolerance in Glycine max by zinc priming	Mrs. Farzana Nowroz Lecturer- Department of Agronomy, Sher-e-bangla agricultural University, Dhaka-1207, Bangladesh, India	8.43
Morpho-molecular characterization of Pseudoperonospora cubensis causing downy mildew of cucumber	Mr. Dikshant Gautam Deptt. of Plant Pathology, Palli shiksha Bhavana, Institute of Agriculture, Visva Bharti, Sriniketan, West Bengal, India	8.50
In-vitro assessment of cytoproliferative potential of malabari goat lactoferrin upon bovine peripheral blood mononuclear cells	Dr. Deepak Chandran Department of Veterinary Sciences and Animal Husbandry, Amrita School of Agricultural Sciences, Amrita Vishwa Vidyapeetham University, Coimbatore, Tamil Nadu - 642109, India.	8.57
Expression Dynamics of MRP genes during peri-impantation period in Buffaloes	Dr. Rajni Kumari DLFM, ICAR Research Complex For Eastern Region, India	9.05
Development of avirulence genes-based multiplex PCR to identify black rot disease in cauliflower	Mr. Amit Kumar Kesharwani AIB, Amity University, Noida, UP & Div. of Plant Pathology, IARI, New Delhi, India	9.12

Triacontanol induced counteractive mechanisms against salt toxicity in Indian mustard	Mr. Shaistul Islam Department of Botany, Aligarh Muslim University, Aligarh, India	9.20
Trichoderma and nanotechnology: combining biocontrol with bioefficacy	Dr. Efath Shahnaz Division of Plant Pathology, SKUAST-KASHMIR, Shalimar, Jammu and Kashmir, India	9.27
Isolation and Screening of PHB-producing microbes from different ecological niches.	Miss. Kashish Sharma College of Basic Sciences & Humanities, CCS HAU, HISAR Haryana	9.35
Influence of salicylic acid application on growth characteristics and herbage yield of vegetatively propagated <i>Bacopa monnieri</i> (L.)	Miss. Shamiya Jahan Plant Physiology, CBSH college, GBPUAT, Uttarakhand, India	9.43
Genetic diversity in bread wheat (<i>Triticum aestivum</i> L.) for morpho-physiological traits and grain micronutrient content	Mr. Mainak Barman Department of Genetics and Plant Breeding, Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India	9.50
New records of insect species damaging Moru Oak (<i>Quercus floribunda</i>) and their management	Mrs. Neha Sharma Forest Protection Division, Conifer campus, HFRI Shimla, India	9.57
Role of metabolomics in tolerance to drought stress	Dr. Voleti Venkata Padmaja Department of plant physiology, Dr. YSRHU, AP, India	10.05
Molecular characterization of monopartite bhendi yellow vein mosaic virus infecting wild okra (<i>Abelmoschus moschatus ssp. moschatus</i>) in India.	Dr. Pooja Kumari Scientist, ICAR-NBPGR, New Delhi, India	10.13
An efficient protocol for genomic DNA extraction and RAPD analysis of papaya (<i>Carica papaya</i> L.)	Dr Bindu B. Farming Systems Research Station, Sadanandapuram, Kottarakkara, Sadanandapuram, P.O, Kollam district, Kerala, India	10.20
Effect of GA3 & NAA on growth physiological attributes of bishopâ weed (<i>Ammi majus</i> L.)	Miss. Aman Sobia Chishti Department of Botany, AMU (UP) , India	10.28
Sexual dimorphism in <i>Myrica esculenta</i> Buch. Ham. ex D. Don	Dr. Vijay Laxmi HAPPRC, HNBGU, Uttarakhand, India	10.35
Developing novel NPK biofertilizer Consortium for minor millets	Dr. Thamizh Vendan. R Dept. of Agricultural Microbiology, Agricultural College & Research Institute, Tamil Nadu Agricultural University, Madurai, Tamil Nadu, India.	10.43
Seedling resistant test of wheat genotypes against selective pathotypes of stem and leaf rusts under glass house condition.	Dr. Manish Ashokrao Sushir Regional Wheat Rust Research Station Mahabaleshwar, India	10.50
Determination of genetic relatedness among common bean genotypes of northern India	Dr. Nancy Gupta School of Biotechnology, SKUAST-JAMMU, J&K, India	10.58

Gene targeting in crop plants:by insert or replace using advanced engineered nucleases	Dr. Ruchi Agarwal Department of Agricultural Biotechnology & Molecular Biology,Dr. Rajendra Prasad Central Agricultural University, Bihar, India	11.05
Race specific adult plant resistance test against selective prevalent stem rust pathotypes under glasshouse condition	Dr. Vikrant Mahadeo Sali Sassoon Road, India	11.13
Punica granatum peel as a sustainable source for the prevention hypertension	Uroosa Noor University of Allahabad, India	11.20
Ananas comosus Peel: A Potential Phytoremedy towards Cancer	Shashi Soni Department of Family and Community Sciences (Home Science), University of Allahabad, Prayagraj, Uttar Pradesh, India	11.27
Assessment of academic stress on mental health of college students	Sangya Singh Research Scholar, Deptt. of Family Resource Management, G.B. Pant University of Agriculture & Technology, India	11.35
A study on cost and returns of jaggery production in Tamil Nadu	Mr. Mari Kannan Agricultural Economics, Annamalai University, Tamil Nadu, India	11.43
Session Closing	Felicitation of Resource persons & AETDS-2021Awardees	11.50

Day-2 (Monday) Date: 18.10.2021

Technical Session –IV (12.00- 15.30 IST):

(Theme 3: Life Sciences, Biomedical Sciences, and Biotechnological aspects)

Invited lectures, Oral Presentations and felicitation of AETDS-2021Awardees

Session Moderator: Dr. Safiuddin (Mob: 9027152069)

Chairman: Dr. A.K. Srivastava, Principal Scientist, ICAR-Central Citrus Research Institute, Amravati Road, Nagpur, Maharashtra, India.

Co-Chairman: Dr. Popy Bora, Assam Agricultural University, Jorhat Assam, India

Co-Chairman:Dr. Ekhlaque Ahmad, ZRZ Chiyanki, BAU Ranchi, Jharkhand, India

Rapporteur: Dr. Manjeet Singh, Department of Plant Pathology, CCS HAU, Hisar, Haryana, India

Rapporteur:

Invited Lecture

Topic	Presenter	Time
Identification of high yielding stable genotypes of finger millet by using Eberhart and Russell (1966) model	Dr. Ekhlaque Ahmad ZRZ Chiyanki, BAU Ranchi, Jharkhand, India	12.00-12.10
Genetic diversity in Bipolaris maydis isolates inciting maydis leaf blight of maize	Dr. Manjeet Singh Department of Plant Pathology, CCS HAU, Hisar, Haryana, India	12.10-12.20

Oral Presentation

Topic	Presenter	Time
Morpho-physiological and biochemical responses of napier grass under water stress conditions	Miss Faria Jannat Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh, India	12.20
Comparative evaluation on the intercropping and monocropping system on the vegetative growth performance of pineapple	Raimi M. Redwan Faculty of Agro Based Industry, Universiti Malaysia Kelantan Jeli Campus, 17600 Jeli, Kelantan, Malaysia	12.28

Allele Mining a technique for crop improvement	Mr. Prashant Gigaulia Department Molecular Biology and Biotechnology, University Jawaharlal Nehru Agriculture University, Madhya Pradesh, India	12.35
Antibacterial potential of synthesized silver nanoparticles using bioactive metabolites of actinobacteria against Bacterial meningitis	Mis. Naushin Bano Integral University (Department of Biosciences), Kursi Road, Lucknow, India	12.42
Identification of terminal high-temperature tolerant chickpea (<i>Cicer arietinum l.</i>) genotypes through yield-based selection indices	Dr. Hitesh Kumar Banda University of Agriculture and Technology, Banda Up, India	12.50
Meta-Topolin mediated in vitro regeneration of <i>Crinum malabaricum</i>	Miss. Swati Chahal School of Biosciences and Bioengineering, Lovely Professional University, Jalandhar, Punjab, India	12.58
Protective effects of Zinc in combination with vitamin C and NAC on biochemical and hematological parameters of intoxicated albino rats with Cadmium chloride	Miss. Shivani yadav Chaudhary Charan Singh University, Meerut, UP, India	13.05
Qualitative dermatoglyphics analysis in deaf mute children of Meerut region	Miss. Ruhi Tomar Zoology Department, Chaudhary Charan Singh University, India	13.13
Epidemiology of sesamum phyllody	Dr. Sunita Janardhanrao Magar Dept. of Plant Pathology, College of Agriculture, Latur, VNMKV, Parbhani, Maharashtra, India	13.20
Anatomical and physiological basis of resistance against downy mildew in pearl millet (<i>Pennisetum glaucum (L.) R. Br.</i>)	Miss Sarah Murria Dept. Of botany, Punjab Agricultural University, Punjab, India	13.27
Achievements in quality improvement of temperate fruit crops through molecular approaches	Miss. Ikra Manzoor SKUAST-K (Fruit Science) Shalimar, India	13.35
Diagnostic features and distribution status of <i>Viola</i> species along with concurring plant taxa from Jammu Himalaya	Dr. Geeta Sharma Department of Botany, University of Jammu, Jammu, India	13.43
Induced systemic resistance in anthracnose of chilli	Dr. Adarsh Sharma Lovely professional University, phagwara, India	13.50
Studies on poultry egg adaptation and hatching at high altitude region of Leh-Ladakh	Mr. Harpreet Singh Punjab Agriculture University Division of Plant Breeding and Genetics, Ludhiana Punjab, India	13.57
Nutritional and cooking characteristics of selected pigmented rice landraces of Kumaun Himalayas	Mr. Ajay Kumar Department of Zoology D. S. B. Campus Kumaun University Nainital-263002, India	14.05
Genetic transformation of <i>Citrus reticulata</i> cv. Khasi mandarin	Miss. Sangeeta Bhandari Department of Agricultural Biotechnology, Assam Agricultural University, Jorhat-785013, Assam, India	14.13

Genetic variants in POU1F1 Gene their association with litter size and growth traits	Dr. Rakesh Kumar ICAR RC NEH Umiam Meghalaya, India	14.20
Herbal feed additives in comparison with antibiotics to combat Salmonella in Broilers.	Dr. ZULFY SKUAST-K, Srinagar, India	14.28
To study the decision-making behavior of farmer and farm women in management activities in Kadapa district of Andhra Pradesh, India	Miss. P. Laxmi prasanna P. Laxmi prasanna, Ph. D scholar, Dept of Agriculture Extension, Agriculture college, ANGRAU, Andhrapradesh, India	14.35
Socio-Economic profile and constraints perceived by the vegetable growers of Manipur	Dr. Haobijam James Watt Department of Agricultural Economics and Extension, Lovely Professional University, Punjab, India	14.43
Impact of joint forest management programme on livelihood of rural people in Jammu Division of Jammu and Kashmir	Dr. Tariq Iqbal Division of Agricultural Extension Education SKUAST-JAMMU, Jammu and Kashmir, India	14.50
Biomimetic textiles: An innovative approach towards conserving the future	Miss. Pratikhya Badanayak Student at Textile and Apparel Designing department, University of Agricultural Sciences, Dharwad, India	14.58
Screening, production and optimization of lignocellulolytic enzymes from microbial sources	Miss. Sakshi Goyal Department of Biochemistry, CCS HAU, Hisar, Haryana, India	15.05
Conservation and commercialization of hill stream fish Garra gotyla gotyla(Gray 1830) through induced breeding	Miss. Preeti Bhatt Department of Zoology Kumaon University Nainital Uttarakhand, India	15.13
Compilation of Chilli indigenous knowledge practices in Sikkim state	Mr. Ravi Kumar Gupta Near Amit Vastralay, Barrier, Budhvari Bazar, Ajirma, Ambikapur, Surguja, Chhattisgarh -497001, India	15.20
Technological options for climate resilient agriculture.	Dr. Sanjay Kumar Sharma RVSKVV, Gwalior, India	15.27
Session Closing	Felicitation of Resource persons	
Day-2 (Monday) Date: 18.10.2021		
Technical Session –V (15.30- 18.00 IST):		
(Theme-II: Natural Resource Management, Food and Environmental Security)		
Invited lectures, Oral Presentations and felicitation of AETDS-2021Awardees		
Session Moderator: Dr. Mohit Bharadwaj (8630707748)		
Chairman: Dr. H.P. Maheswarappa , Director of Research, University of Horticulture, Bagalkot, Karnataka, India		
Co-Chairman:Dr. P. Mahesh , ICAR- Sugarcane breeding institute, Coimbatore, Tamil Nadu, India		
Co-Chairman:Dr. Majid Ansari , ZRZ Chiyanki, BAU Ranchi, Jharkhand, India		
Rapporteur:Er. Jeetendra Kumar , KVK Jehanabad, BAU Sabour Bihar, India		
Rapporteur:		
Invited Lecture		
Topic	Presenter	Time
Reserve Slots		15.30-15.40

Applications of biodegradable polymers in food packaging industry	Dr. Mohammed Kuddus Department of Biochemistry, University of Hail, Hail, Kingdom of Saudi Arabia	15.40-15.50
Reserve Slot	Reserve Slot	15.50
Oral Presentation		
Topic	Presenter	Time
Biochemical and Transcript analysis of differentially expressed water stress responsive candidate genes in Minor millets & rice (<i>Oryza sativa</i> L.)	Mis. Pooja Kathare Plant Molecular Biology and Biotechnology, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh, India	16.00
Evaluation of botanicals and bioagents for the management of early blight disease of tomato	Dr. Pooja Sangwan Department of Plant Pathology College of Agriculture CCS Haryana Agricultural University Hisar Haryana, India	16.07
Drought stress related grain quality traits of wheat (<i>Triticum aestivum</i> L.)	Dr. Dommalapati Sudhakara Rao Agricultural college, SKVT degree college campus, India	16.15
Heavy metal analysis and health risk assessment of soil under rice cultivation of Batala region of Punjab (India)	Miss. Neeru Bala Guru Nanak Dev University, Amritsar Punjab, India	16.23
Ergonomic evaluation of manual henna harvesting worker through Rula and Reba	Miss. Sonawane Shital Premraj Ergonomic evaluation of manual henna harvesting worker through Rula and Reba, India	16.30
Reproductive biology and pollination ecology of <i>Berberis lycium</i> Royle: A highly valued shrub of immense medicinal significance	Ishfaq Ahmad Wani Conservation and Molecular Biology Laboratory, Department of Botany, Baba Ghulam Shah Badshah University, Rajouri, J&K, India	16.37
Root-knot nematode, <i>Meloidogyne incognita</i> Pest of Vegetables and its Eco-friendly Management	Mr. Amir Khan Department of Botany, Aligarh Muslim University, Aligarh, Up, India	16.45
Plant growth promoting rhizobacteria (PGPR): An ecofriendly approach for sustainable agriculture and abiotic stress management	Mrs. Ranjna Dept of Basic Sciences, Dr, YSP UHF, Nauri Solan, HP, India	16.53
		17.00
Reserve Slot	Reserve Slot	17.07
Reserve Slot	Reserve Slot	17.15
Reserve Slot	Reserve Slot	17.23
Reserve Slot	Reserve Slot	17.30
Reserve Slot	Reserve Slot	17.38
Reserve Slot	Reserve Slot	17.45
Reserve Slot	Reserve Slot	17.53
Reserve Slot	Reserve Slot	17.53
Session Closing	Felicitation of Resource persons & AETDS-2021Awardees	18.00

Dear Sir/ Madam,

Thank you very much for your enthusiasm in our upcoming an **3rd International Conference on “Global Initiative in Agricultural, Forestry and Applied Sciences For Food Security, Environmental Safety and Sustainable Development (GIAFAS-2021)”** Jointly Organized by the Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, Uttarakhand, India; Shri Guru Ram Rai University, Dehradun, Uttarakhand, India; Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh; Soil and Water Research Institute (SWRI), Karaj, Iran; Department of Soil Science, Faculty of Agro-Based Industry, UMK, Malaysia; College of Horticulture and Gardening, Yangtze University, P.R. China and Corteva agriscience at Shri Guru Ram Rai University, Dehradun, Uttarakhand, India on **October 17-18, 2021**

Please join **3rd International Conference on October 17-18, 2021** which will start at 09.30 AM (Indian Standard Time) in both mode: **Offline as well Online/virtual**.

For Online/Virtual Attendee:

Kindly follow the below instruction strictly:

1. Download ZOOM application either in your mobile or laptop. **Zoom Id Should be on your Name only.**
2. Join the Conference at least 10 min before the scheduled time i.e. by 9.50 AM (IST).
3. Please don't share the meeting ID and password to others. The meeting ID and Password is for one person only. Sharing of meeting ID and Password may disqualify you from the conference.
4. Kindly keep your microphone and video **OFF** during the presentation of others.
5. If you want to ask the questions then write down your questions in the chat box. The speakers will answer your questions after the deliberation. If time permits then we will allow you to ask the question at the end of each presentation. Please don't interrupt the presenter in between and **do not send unnecessary messages like Good Morning, Wishes etc.**
6. **Please don't call the organizers during conference time.** If any query arises, please send messages.
7. The conference will also be available live on **Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, Uttarakhand, India,** Facebook page (<https://www.facebook.com/aetdss>).

YouTube channel

<https://www.youtube.com/channel/UCUA2xeQXos9fdx0RUCeoXEg>

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Please click the link below to join GIAFAS 2021:

Link for Online/Virtual Hall-1

Topic: GIAFAS-2021 Web HALL 1

Time: Oct 17, 2021 07:30 AM Mumbai, Kolkata, New Delhi (IST) Oct 18, 2021 07:30 AM

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/89588763659?pwd=bS9wVVU2ZFFmUzVpQXVfVIRNTTFkZz09>

Webinar ID: 895 8876 3659

Passcode: 185502

Link for Online/Virtual Hall-2

Topic: GIAFAS-2021 Web HALL 2

Time: Oct 17, 2021 07:30 AM Mumbai, Kolkata, New Delhi (IST), Oct 18, 2021 07:30 AM

Join Zoom Meeting

<https://us02web.zoom.us/j/87228022936?pwd=dTB5VXpRRE95TW5FakVZbjdneVMvUT09>

Meeting ID: 872 2802 2936

Passcode: 849996



Please find the attached program schedule of the said Conference. Your cooperation during the program is highly solicited.