

**3<sup>rd</sup>International 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**

**Day-1 (Sunday) Date: 17.10.2021**

**Registration and Break Fast (08.00-10.00 A.M.)**

(During Inaugural Session Registration Counter will be closed)

**Inaugural Session (10.00-12.00 IST: Indian Standard Time)**

Venue:

**Auditorium : SGRR Institute of Medical & Health Sciences  
Shri Guru Ram Rai University, Patel Nagar, Dehradun, Uttarakhand, India**

**Session Moderator: Dr. Wajid Hasan, Dr. Parul Aggarwal, Dr. H.Naz and Dr. P. Bankoti**

Time	Events	Felicitator
10:00-10:05	Lightening of Lamp	Dignitaries
10:05-10:20	Saraswati Vandana/Welcome Song, Kulgeet	Students
10:20-10:25	Felicitations of the Guests	Organizing committee
10:25-10:30	Welcome Address	Dr. Maneesha Singh, Conference Chairman & Dean Agri, SGRRU, Dehradun, India
10:30-10:35	About the Conference	Dr. C.P. Singh, Executive Director of the conference & President, AETDS, US Nagar, India
10.35-10:40	Release of Souvenir	Dignitaries (Soft Copy)
10:45-10:50	Welcome address & About AETDS Society	Dr. Wajid Hasan, Chief Organizing Secretary & Secretary, AETDS, U.S. Nagar, UK
10:50-11:00	Welcome Address & About the SGRR	Dr. Moinuddin, Organizing Secretary, SGRRU, Dehradun, India
11:00-11:10	Address by Chairperson	Dr. U.S. Rawat, Vice- Chancellor Shri Guru Ram Rai University, Dehradun, Uttarakhand, India
11:10-11:25	Keynote Lecture	Prof. Amar P. Garg, Former Vice- Chancellor Distinguished Professor, Dean Research and Development, Director Biotechnology, Shobhit Institute of Engineering & Technology, Meerut
11:15-11.20	Felicitations of AETDS Awards	Announced by Dr. Wajid Hasan, Secretary, AETDS, U.S. Nagar, India
11:20-11.40	Chief Guest Address	Honourable Shri Subodh Uniyal Ji Minister of Agriculture, Agricultural Marketing, Agricultural Processing, Agricultural Education, Plantation and Horticulture, Silk Development, Dehradun, U.K., India
11.40-11.50	Felicitations of the Guests	Organizing Team
11:50-11:55	Release of book	Dr. Wajid Hasan, Dr. Deepak Som
11.55-12.00	Vote of thanks	Dr. Jameel Akhtar, Conference Director (Principal Scientist, ICAR-NBPGR, New Delhi), India

**Day-1 (Sunday) Date: 17.10.2021**

**Venue:**

**Auditorium: SGRR Institute of Medical & Health Sciences  
Shri Guru Ram Rai University, Patel Nagar, Dehradun, Uttarakhand, India**

**Technical Session –I (12.10- 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. Wajid Hasan, Chief Organizing Secretary**

**Chairman: Prof. Amar P Garg, Former, VC Shobhit University, Meerut, India**

**Co-Chairman: Dr. M. Kavaskar, Associate Professor, Department of Agricultural Extension, Faculty of Agriculture, Annamalai University, Tamil Nadu, India**

**Co-Chairman: Dr. Monika Naphade- Bhavsar, Associate Prof., Dr Ulhas Patil College of Agriculture, Jalgaon, M.H**

**Rapporteur: Dr. V. K. Singh, Assistant Professor, School of Agricultural Sciences, Shri Guru Ram Rai University, India**

**Rapporteur: Dr. Awaneesh Kumar, Uttaranchal University Dehradun, India**

**Invited Lecture**

<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Analysis on knowledge level of farm youth on Uzhavan App in Thanjavur district of Tamil Nadu	<b>Dr. M.Kavaskar</b> Associate Professor, Department of Agricultural Extension, Faculty of Agriculture, Annamalai University, Tamil Nadu, India	<b>12.10-12.25</b>
Status of sheath blight and sources of resistance in rice landraces	<b>Dr. Jameel Akhtar</b> Principal Scientist, Division of Plant Quarantine, ICAR-National Bureau of Plant Genetic Resources, New Delhi	12.25-12.40
Reserve Slots	Reserve Slots	12.40-12.55

**Oral Presentation**

<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Genetic variability study in radish ( <i>Raphanus sativus</i> L.) For root yield under mid hills of Uttarakhand	<b>Dr. Gargi Goswami</b> College of Horticulture, VCSG Uttarakhand University of Horticulture and Forestry, Bharsar Pauri Garhwal Uttarakhand India	<b>12.55</b>
Effect of polythene mulching on moisture conservation, weed control, yield and economics of tomato	<b>Dr. Sakamuri Sreenivasulu</b> Rashtriya Seva Samithi (RASS) - Krishi Vigyan Kendra, Vanasthali, Karakambadi Post - 517520, Renigunta mandal, Chittoor dt, Andhra Pradesh, India	<b>13.05</b>
Effect of salt stress on biomass, biochemical parameters and yield of soyabean ( <i>Glycine max.</i> (L). Merrill.)	<b>Dr. Gulafshan</b> Mohammad Ali Jauhar University Rampur Uttar Pradesh India	<b>13.15</b>
Management of Mastitis in Dairy Animals	<b>Dr. Kaushlendra Pratap Singh</b> Department of Animal Husbandry, Bareilly, U.P.	<b>13.25</b>
Grain amaranth ( <i>Amaranthus hypochondriacus</i> L.) yield and economics under sulphur fertilization in rainfed hilly region of Garhwal Himalayas	<b>Dr. Arunima Paliwal</b> College of Forestry, VCSG Uttarakhand University of Horticulture and Forestry, Ranichauri-249199, Tehri Garhwal, Uttarakhand, India	<b>13:35</b>
Identification of promising rice crop establishment methods in Rice and linseed cropping system under conservation agriculture	<b>Dr. Jivan Rambhau Katore</b> Assistant Professor, Agronomy, AICRP on Linseed and Mustard, College of Agriculture, Nagpur, Dr. PDKV, Akola	<b>13.45</b>
Biogenic synthesis of potassium nanoparticles for evaluation as nanofertilizer in wheat	<b>Dr. Sapna Grewal</b>	<b>13.55</b>

	Department of Bio & Nanotechnology, Guru Jambheshwar University of Science & Technology, Hisar, Haryana	
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2021Awardees</b>	<b>14:05</b>
<b>Lunch Break</b>		<b>14:10-14:30</b>
<b>Day-1 (Sunday) Date: 17.10.2021</b>		
<b>Venue:</b> <b>Auditorium, SGRR Institute of Medical &amp; Health Sciences Shri Guru Ram Rai University, Patel Nagar, Dehradun, Uttarakhand, India</b>		
<b>Technical Session –II (14:30- 17.30 IST): (Theme-I: Innovative Approach in Agricultural and Allied Sciences) Invited lectures, Oral Presentations and Felicitation of AETDS-2021Awardees</b>		
<b>Session Moderator: Dr. Huma Naz</b>		
<b>Chairman: Prof. D.R.C Bakhetia</b> , Former Prof. Punjab Agricultural, University, Ludhiana, India <b>Co-Chairman: Prof (Dr.) Maneesha Singh</b> , Dean, School of Agricultural Sciences, Shri Guru Ram Rai University, Dehradun, India <b>Co-Chairman: Prof. M.A .Islam</b> , Division of Natural Resource Management, Faculty of Forestry, SKUAST-K, Benhama, Ganderbal-191201, J&K, (India) <b>Rapporteur: Reserve Slots</b> <b>Rapporteur: Dr. Arunima Paliwal</b> , VCSG Uttarakhand University of Horticulture and Forestry, Ranichauri-249199, Tehri Garhwal, Uttarakhand, India		
<b>Invited Lecture</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Mapping of soil macro and micro nutrients by GIS in Jalgaon district (Maharashtra).	<b>Dr Monika Naphade- Bhavsar</b> Department of Soil Science, Dr Ulhas Patil College of Agriculture, Jalgaon, Maharashtra, India	<b>14.30-14.45</b>
Yield gap analysis through front line demonstrations in groundnut in Nalgonda district, Telangana State	<b>Dr. Mohammad Abdul Aariff Khan</b> Soil Science & Agricultural Chemistry, College of Agriculture, Professor Jayashankar Telangana State Agricultural University, Hyderabad, Telangana, India	<b>14.45-15:00</b>
Economic Valuation of Non-Timber Forest Resources (NTFRs) Flows in The Gurez Valley of Kashmir	<b>Prof. MA Islam</b> Division of Natural Resource Management, Faculty of Forestry, SKUAST-K, Benhama, Ganderbal-191201, J&K	<b>15.00-15:15</b>
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Climate resilient technologies for sustainable food production in India	<b>Mr. D.Balu</b> Department of Agricultural Extension, Annamalai University, Chidambaram, Tamil Nadu, India, 606002	<b>15:15</b>
Biological Control: An important tool of IPM.	<b>Dr. Mohammad Faisal</b> School of Agriculture, Forestry & Fisheries Himgiri Zee University, Dehradun, India	<b>15:25</b>
Tribals flavor : The spice Industry	<b>Mr. Ragunath S</b> Department of Agricultural Extension Education, College of Agriculture, Raichur, Karnataka, 584104, India	<b>15:35</b>
Organic farming with residue free production	<b>Mr. Neeraj Kumar</b> Agriculture Entomology, Jawaharlal Nehru krishi viswa Vidhyalaya, jabalpur (M.P ) India	<b>15:45</b>
Efficacy of some biopesticides and synthetic insecticides against banana leaf and fruit	<b>Biraj Kalita</b>	<b>15:55</b>

scarring beetle, <i>Basilepta subcostatum</i> Jacoby (Coleoptera: Chrysomelidae)	Department of Entomology, Assam Agricultural University, Jorhat, Assam, India	
Attitude of farmers towards drip irrigation: A study in Kumaon hills of Uttarakhand 2. Role of ICT in dairy farming management	<b>Miss Pooja Karki</b> Department of agricultural communication, GBPUA&T Pantnagar, U. S. Margaret, Uttarakhand, India	<b>16:05</b>
Plasma technology in Agriculture	<b>Miss Shivani Kumari</b> Department of Agronomy, SASRD, Nagaland University, Medziphema, Nagaland, India	<b>16:15</b>
Comprehensive study of logistics management of mentha oil in central Awadh Region (Barabanki) of U.P. and export performance of Indian mentha oil	<b>Mr. Ashutosh Chaturvedi</b> Department of Agricultural Economics, NAI, SHUATS, Prayagraj Uttar Pradesh, India	<b>16:25</b>
Effect of inulin supplementation as prebiotic on the performance of Barbari goats fed high or low-concentrate diet	<b>Dr. Ahmad Fahim</b> Department of LPM, COVAS, SVPUAT - Meerut, India	<b>16:35</b>
A research on e-commerce agri Business in scope and status in India	<b>Mr. N. Hariharan</b> Department of Commerce, Parvathys Arts and Science College affiliated to madurai kamaraj university, Tamil Nadu, India	<b>16:45</b>
<b>Reserve Slots</b>	<b>Reserve Slots</b>	<b>16:55</b>
<b>Reserve Slots</b>	<b>Reserve Slots</b>	<b>17:05</b>
<b>Reserve Slots</b>	<b>Reserve Slots</b>	<b>17:15</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2021Awardees</b>	<b>17.25</b>

**Day-2 (Monday) Date: 18.10.2021**

**Venue:**

**Auditorium, SGRR Institute of Medical & Health Sciences  
Shri Guru Ram Rai University, Patel Nagar, Dehradun, Uttarakhand, India**

**Session Moderator: Dr. Bhavna Verma**

**Technical Session –III (9.30- 12.00 IST):**

(Theme-II: Agroforestry, Natural resource management, Food and Environmental Security)

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

**Chairman: Dr. Jameel Akhtar**, Principal Scientist, Division of Plant Quarantine, ICAR-National Bureau of Plant Genetic Resources, New Delhi, India

**Co-Chairman: Prof (Dr.) Kumud Saklani**, Dean, School of Basic and Applied Sciences, Shri Guru Ram Rai University

**Co-Chairman: DR S. Srinivasan**, Associate Professor in Soil Science and Agricultural Chemistry, Annamalai University, Tamil Nadu, India

**Rapporteur: Dr. R K Prajapati**, KVK Tikamgarh MP, India

**Rapporteur: Dr. Kamla Dhyani**, Assistant Professor (Plant Physiology), School of Agricultural Sciences, Shri Guru Ram Rai University, Dehradun, India

**Invited Lecture**

<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Productivity of malbar neem ( <i>Melia dubia</i> ) based agroforestry system in northern transitional zone of Karnataka	<b>Prof. Raju L Chavan</b> AICRP on Agroforestry, MARS, UAS Dharwad, Karnataka, India	<b>9.30-9:45</b>
Neutraceutical in faba bean	<b>Dr. Satish Kumar Yadav</b> ICAR- NBPGR, New Delhi, India	<b>9.45-10:00</b>
Arsenic stress mitigation using <i>Bacillus mycoides</i> NR-5 in spinach plant ( <i>Spinacia oleracea</i> L.)	<b>Dr. Khan Mohd. Sarim</b> ICAR-National Bureau of Agriculturally Important Microorganism, Mau, Uttar Pradesh, India	<b>10:00-10:15</b>

<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Harnessing microbes for stubble degradation	<b>Dr. Sonia Goel</b> Associate professor, faculty of Agricultural Sciences, Gurugram	<b>10:15</b>
Loss of food grains due to Insect pests in storage	<b>Dr. Shashi Bala</b> RGPG College zoology dept CCS University Meerut, India	<b>10:25</b>
Synthesis, characterization, and effect of cationic, anionic, and nonionic stabilizers on the particle size of Ir-Ni bimetallic nanocrystals.	<b>Miss. Shikha</b> Kanya Gurukul Campus, Gurukula Kangri (Deemed to be University), Haridwar 249407, Uttarakhand, India	<b>10:35</b>
Assessing the Impact of Elevated Ozone And Ozone Protectants On Yield Of Garlic	<b>Miss. Gayathri Jawaharjothi</b> Division of Environment Science, ICAR- Indian Agricultural Research Institute, New Delhi, India	<b>10:45</b>
Sensitivity of a fresh water Teleost Catla Catla to some Organophosphate pesticides through Bioassay studies and Fish Behaviour.	<b>Dr. Manju Singh</b> Zoology. Raghunath Girls Post Graduate College Meerut. Ccs University Meerut. Uttarpradesh, India	<b>10:55</b>
Synthesis and characterization of surfactant (CTAB/TSC/TX-100) assisted Ir & Sn mono/ bimetallic nanoparticles and their application	<b>Miss Sudha Tomar</b> Department of Chemistry, KGC, Gurukul Kangri (Deemed to be University), Hridwar, Uttarakhand, India	<b>11:05</b>
Effect of climatic condition, altitudinal gradient and aspects on physiological traits of Cedrus deodara (Roxb.) G. Don in north-western Himalaya	<b>Dr. Deepshikha Nirala</b> Department of Siilviculture and Agroforestry, <b>Dr. YS PARMAR</b> University of Horticulture and Forestry Nauni (Solan) Hp, India	<b>11:15</b>
Effect of soy protein isolate as foaming agent on the physicochemical properties of the persimmon (Diospyros kaki) fruit pulp during foam mat drying	<b>Dr. Anjum Ayoub</b> Division of food science and technology .sher-e-kashmir University of Agricultural Sciences and Technology-Jammu, India	<b>11:25</b>
Impact of imidazolinones on weeds in pigeon pea (Cajanus cajan L.)	<b>Mr. Amit Kumar</b> Department of Agronomy, CCS HAU Hisar, Haryana, India	<b>11:35</b>
<b>Reserve Slots</b>	<b>Reserve Slots</b>	<b>11:45</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2021Awardees</b>	<b>11:55</b>
<b>Day-2 (Monday) Date: 18.10.2021</b>		
<b>Venue:</b> <b>Auditorium, SGRR Institute of Medical &amp; Health Sciences</b> <b>Shri Guru Ram Rai University, Patel Nagar, Dehradun, Uttarakhand, India</b>		
<b>Technical Session –IV (12.00- 15.30 IST):</b> (Theme-III: Life Sciences, Biomedical Sciences, and Biotechnological aspects) <b>Invited lectures, Oral Presentations and felicitation of AETDS-2021Awardees</b>		
<b>Session Moderator: Dr. Awaneesh Kumar</b>		
<b>Chairman: Prof (Dr.) Arun Kumar</b> , Dean Research, Shri Guru Ram Rai University, Dehradun, India <b>Co-Chairman: Prof. (Dr.) Keerti Singh</b> , Head, Department of Microbiology, School of Basic and Applied Sciences Shri Guru Ram Rai University, Dehradun, India <b>Co-Chairman: Reserve Slots</b> <b>Rapporteur: Dr. Bhavna Verma</b> , Directorate of Plant Protection Quarantine & Storage, CIPMC, Indore, M.P., India <b>Rapporteur: Dr. Md Humayoon Akhtar</b> , Department of Zoology, Koshi college, Khagaria, Bihar, India		
<b>Invited Lecture</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>

Effective Practice Of Inm On Increment Of Ragi Yield In Red Soil Under Natural Resource Management	<b>Dr. S. Srinivasan</b> Associate Professor in Soil Science and Agricultural Chemistry, Annamalai University, Tamilnadu, India	<b>12.00-12.15</b>
<b>Reserve Slots</b>	<b>Reserve Slots</b>	<b>12.15-12.30</b>
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
In-silico assessment of biphenyl dioxygenase activity from Pandoraea Pnomenusa B-356 with different PCBs congeners	<b>Dr Neha Singh</b> Department of Zoology, Harsh Vidya Mandir (P. G.) College, Affiliated To Shri Dev Suman University, Uttarakhand, India	<b>12.30</b>
PBS1 decoy system in plant disease resistance	<b>Mohamad Ayham Shakouka</b> Department of Plant protection, University of ALEPPO, ALEPPO, SYRIA	<b>12.40</b>
The process of making fossils record more widely applicable	<b>Mr. Shivam Mani Tripathi</b> Department Of Anthropology, SHUATS, U.P., INDIA	<b>12.50</b>
Isolation and screening of zinc solubilizing bacteria for use as biofertilizer for onion crop	<b>Shivi Choudhary</b> Department of Microbiology, CCS HAU, Hisar, Haryana, India	<b>13:00</b>
Mining of putative biosynthetic gene clusters (BGCs) in halotolerant Exiguobacterium profundum PHM 11	<b>Miss. Ruchi Srivastava</b> Genome Sequencing Lab, ICAR-National Bureau of Agriculturally Important Microorganisms, Mau, Uttar Pradesh, India	<b>13:10</b>
Development of multinutrient-rich maize hybrids through genomics-assisted stacking of lpa-1, opaque2 and crtRB1 genes	<b>Mr. Vinay Bhatt</b> ICAR-IARI (New Delhi), Amity Univrersity (Noida, U.P.) , India	<b>13:20</b>
Antibacterial potential of methanol extract of invasive plant Sonchus wightianus DC. leaf from Kumaun Himalaya	<b>Mr. Amrendra Nath Tripathi</b> Department of Botany, D.S.B. Campus, Kumaun University, Nainital-263001, Uttarakhand, India	<b>13:30</b>
Effect of fly ash on growth and survival of mineral solubilising bacteria	<b>Miss Savita Rani</b> Microbiology, Chaudhary charan singh Haryana Agricultural University, Haryana, India	<b>13:40</b>
Isolation, evaluation and characterization of disease suppressing plant growth promoting rhizobacteria (PGPR) of lentil rhizosphere	<b>Mr. Niyaj Ahamad</b> Department of Plant Molecular Biology and Genetic Engineering, A.N.D. University, Kumarganj, Ayodhya, India	<b>13:50</b>
Effect of grazing herbivore on grasshopper population and nature on Indian vegetation	<b>Dr. Md Humayoon Akhtar</b> Assistant professor, Department of Zoology, Koshi college, Khagaria, Bihar, India	<b>14:00</b>
Mapping of QTLs associated with drought tolerance component traits in wheat under multilocation irrigated and rainfed environments	<b>Dr. Shashikumara P</b> ICAR-Indian Grassland and Fodder Research Institute, Jhansi, Uttar Pradesh, India	<b>13.35</b>
Molecular identification and characterization of Banana bunchy top virus from Uttar Pradesh, India.	<b>Mr. Deepak Panwar</b> C.C.C university campus meerut, India	<b>13.43</b>
Record of the genus Pseudoshirakia Achterberg (Insecta: Hymenoptera: Braconidae) from India, with description of one new species.	<b>Dr. Arshad Ali Haider</b> Assistant Professor, Department of Zoology, Maharashtra College of Arts, Science and Commerce, Mumbai, Maharashtra, India	<b>13.50</b>
Plant hormone ethylene homeostasis and interactions with important physiological	<b>D. Mohammad Wahid Ansari</b> Department of Botany, Zakir Husain Delhi College, University of Delhi, New Delhi 110002, India	<b>14:00</b>

pathways to develop more abiotic stress tolerant crop		
Reserve Slots	Reserve Slots	14:10
Session Closing	Felicitation of Resource persons & AETDS-2021Awardees	14:20
<b>Lunch Break</b>		14:30-15:30
<b>Day-2 (Monday) Date: 18.10.2021</b>		
<b>Venue:</b> Auditorium, SGRR Institute of Medical & Health Sciences Shri Guru Ram Rai University, Patel Nagar, Dehradun, Uttarakhand, India		
<b>Valedictory Function (15.30-17.00 IST)</b>		

<b>Day-1 (Sunday) Date: 17.10.2021</b>		
<b>Registration and Break Fast (08.00-10.00 A.M.)</b> (During Inaugural Session Registration Counter closed)		
<b>Inaugural Session (10.00-12.00 IST: Indian Standard Time)</b>		
<b>Venue:</b> Auditorium, SGRR Institute of Medical & Health Sciences Shri Guru Ram Rai University, Patel Nagar, Dehradun, Uttarakhand, India		
<b>Technical Session –I (12.00- 2.30 IST (Indian Standard Time):</b> (Theme-I: Innovative Approach in Agricultural and Allied Sciences) Invited lectures, Oral Presentations and Felicitation of AETDS-2021 Awardees <b>Session Moderator: Mr. Atul Kumar</b>		
<b>Venue:</b> HALL-A, SGRR Institute of Medical & Health Sciences Shri Guru Ram Rai University, Patel Nagar, Dehradun, Uttarakhand, India		
<b>Chairman:</b> <b>Co-Chairman:</b> <b>Co-Chairman: Dr. Naveen Gaurav</b> , Associate Professor & Head (Biotechnology), School of Basic and Applied Sciences, Shri Guru Ram Rai University, Dehradun, India <b>Rapporteur:</b> <b>Rapporteur: Dr. Rakesh Kumar Gangwar</b> , Main Rice Research Station, Anand Agricultural University, Nawagam, Kheda, Gujarat-387 540, India		
<b>Invited Lecture</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Constraints encountered by the mango growers in mango cultivation and marketing	<b>Dr. V. Sakthivel</b> Associate Professor, Department of Agricultural Extension Faculty of Agriculture, Annamalai University, Tamil Nadu	12.10-12.25
Natural resource management for retaining diversity on EARTH	<b>Dr. Madhu Sharan</b> Department of Clothing and Textiles, The Maharaja Sayajirao University of Baroda, Vadodara 390002, Gujarat, India	12.25-12.40
Reserve Slots	Reserve Slots	12.40-12.55
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Participatory approach in adoption of fodder cultivation technology towards	<b>Dr. Sushma Lalita Baxla</b>	12.55

increase in milk production in Garhwa district of Jharkhand	Krishi Vigyan Kendra, Garhwa, Birsa Agricultural University, Ranchi, Jharkhand, India	
Green Manuring - An asset under COVID-19 pandemic	<b>Dr.Mamta</b> Agriculture, Himgiri Zee, Uttarakhand, India	<b>13.05</b>
Screening of rice genotypes against bacterial leaf blight	<b>Dr. Rakesh Kumar Gangwar</b> Main Rice Research Station, Anand Agricultural University, Nawagam, Kheda, Gujarat-387 540, India	<b>13.15</b>
Standardization of protocol for genomic DNA extraction in <i>Fraxinus xanthoxyloides</i> a cold desert species grown in Western Himalayas	<b>Mr. AkshitKukreti</b> Silviculture and Forest Management Division, Forest Research Institute, Uttarakhand, India	<b>13.25</b>
Digital agriculture	<b>Dr. Sharad Pandey</b> Himgiri Zee University, Dehradun, India	<b>13:35</b>
Effect of gibberellic acid and naphthalene acetic acid on seed germination of rubus species	<b>Dr. Manju</b> College of Horticulture VCSGUUHF BharsarPauri Garhwal, India	<b>13.45</b>
Response of liquid biofertilizer, plant geometry and different levels of phosphorus on growth and yield of green gram ( <i>Vigna radiata</i> L.)	<b>Dr. Schchida Nand Singh</b> Department of Agriculture, Himgiri Zee University Dehradun, (U.K.) India	<b>13.55</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2021Awardees</b>	<b>14:05</b>
<b>Lunch Break</b>		<b>14:10-14:30</b>
<b>Day-1 (Sunday) Date: 17.10.2021</b>		
<b>HALL-A, SGRR Institute of Medical &amp; Health Sciences Shri Guru Ram Rai University, Patel Nagar, Dehradun, Uttarakhand, India</b>		
<b>Technical Session –II (14:30- 17.15 IST): (Theme-I: Innovative Approach in Agricultural and Allied Sciences) Invited lectures, Oral Presentations and Felicitation of AETDS-2021Awardees</b>		
<b>Session Moderator: Dr. Md Humayoon Akhtar</b>		
<b>Chairman:</b> <b>Co-Chairman: Dr. Mahadkar Uttam Vishram</b> Associate Dean, College of Agriculture, Dr. BSKKV, Dapoli, India <b>Co-Chairman: Dr. Arvind Kumar</b> , Scientist-E, Forest Research Institute, Dehradun, India <b>Rapporteur:</b> <b>Rapporteur:Dr. Sushma Lalita Baxla</b> , Krishi Vigyan Kendra, Garhwa, Birsa Agricultural University, Ranchi, Jharkhand, India		
<b>Invited Lecture</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Diversity of multifarious insect parasitic species of Pteromalidae ( <i>Hymenoptera: Chalcidoidea</i> )	<b>Dr. Arvind Kumar</b> Forest Research Institute, Dehradun, India	<b>14.30-14.45</b>
Anti-AGE properties of Acesulfame potassium and its interaction with BSA	<b>Dr. Ahmad Ali</b> Department of Life Sciences, University of Mumbai Vidyanagari, Santacruz (East), Mumbai 400098, India	<b>14.45-15:00</b>
Reserve Slots	Reserve Slots	<b>15.00-15:15</b>
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>



Impact of Front-Line Demonstration of Zinc Sulphate in yield of rice ( <i>Oryza Sativa</i> L.) under the zinc-deficient area of hills.	<b>Miss. Shikha</b> Subject Matter Specialist, Soil Science, Krishi Vigyan Kendra, Ranichauri, VCSG Uttarakhand University of Horticulture and Forestry, Tehri Garhwal, Uttarakhand, India	<b>15:15</b>
Efficacy of fungicides bioagents leafextarts on Carrot alternaria blight	<b>Mr Vadla Prasanna Krishna</b> Plant Pathology, Lovely Professional University, Punjab, India	<b>15:25</b>
Effect of new formulation of micronutrients on growth, yield and economic feasibility of wheat in sandy loam soil of Western Uttar Pradesh	<b>Dr. Anand Singh</b> GSM, Division ICAR-IGFRI Jhansi, India	<b>15:35</b>
Innovative Bio-fibers and Bio-fuels from Aquatic Waste	<b>Sumi Haldar</b> Department of Clothing and Textiles Faculty of Family and Community Sciences, The Maharaja Sayajirao University of baroda, India	<b>15:45</b>
Innovative Extension Systems for Climate Resilient Agriculture.	<b>Dr. T. Sujaivelu.</b> Agricultural Extension. Faculty of Agriculture, Annamalai University, India	<b>15:55</b>
Seed priming for abiotic stress management in horticultural crops	<b>Prof. Farooq Ahmad Khan</b> Division of BSH, Faculty of Horticulture, SKUAST- Kashmir,	<b>16:05</b>
Wear resistance in agricultural equipment	<b>Dr. Annu Rani,</b> Uttarakhand, India	<b>16:15</b>
Studies on variability in <i>Fusarium oxysporum</i> f. sp. <i>lentis</i> and its integrated management in Lentil ( <i>Lens culinaris</i> Medik)	<b>Dr. Khushboo Dubey</b> Dept. of Plant Pathology, Teerthanker Mahaveer University, Moradabad (India)	<b>16:25</b>
Design and development of ohmic heating setup for food processing	<b>Mr. Sawant Sanket Ramnath</b> Ph.D Scholar, IARI, New Delhi, India	<b>16:35</b>
Effect of soil application of zinc sulphate and ferrous sulphate on flowering and fruiting parameters in guava ( <i>Psidium guajava</i> L.) cv. Hisar Safeda	<b>Dr. Satpal Baloda</b> Department of Horticulture, CCSHAU Hisar, Haryana, India	<b>16:45</b>
Progress and Potential of Horticulture Sector in India	<b>Mr. Akshay Deep</b> Div of Agricultural Economics & ABM, SKUAST-Jammu, J&K,	<b>16:55</b>
Reserve Slots	Reserve Slots	<b>17:05</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2021 Awardees</b>	<b>17:15</b>
<b>Day-2 (Monday) Date: 18.10.2021</b>		
<b>Session Moderator:</b>		
<b>Technical Session –III (9.30- 12.00 IST):</b>		
<b>(Theme-II: Agroforestry, Natural resource management, Food and Environmental Security</b>		
<b>Invited lectures, Oral Presentations and Felicitation of AETDS-2021 Awardees</b>		
<b>Chairman:</b>		
<b>Co-Chairman: Prof. Farooq Ahmad Khan,</b> Division of BSH, Faculty of Horticulture, SKUAST- Kashmir, India		
<b>Co-Chairman: Dr. Hitendra Kumar,</b> Associate Professor, School of Agricultural Sciences, Shri Guru Ram Rai University, Dehradun, India		
<b>Rapporteur: Miss. Shikha,</b> Krishi Vigyan Kendra, Ranichauri, VCSG Uttarakhand University of Horticulture and Forestry, Tehri Garhwal, Uttarakhand, India		
<b>Rapporteur: Dr. Khilendra Singh,</b> Associate Professor, School of Agricultural Sciences, Shri Guru Ram Rai University, dehradun, India		
<b>Invited Lecture</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Reserve Slots		<b>9.30-9:45</b>

		<b>9.45-10:00</b>
Severe infestation of root-knot nematode on tuberous <i>Vigna vexillata</i> (L.)	<b>Dr. Zakaullah Khan, Principal Scientist</b> ICAR-National Bureau of Plant Genetic Resources (NBPGR), New Delhi, India	<b>10:00-10:15</b>
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Vegetable Cultivation in Mizoram: Status, Sustainable Approaches and Future Scope	<b>Miss Saraswati Pandey</b> Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh, India	<b>10:15</b>
Biodiversity of predatory coccinellid beetles (Coccinellidae: Coleoptera) from agricultural ecosystem of Garhwal region of Uttarakhand, India	<b>Dr. Pushendra Kumar Sharma</b> Department of Zoology. DAV PG College Dehradun (HNB Garhwal University, Shrinagar Garhwal), Uttarakhand, India	<b>10:25</b>
VALMIKI TIGER RESERVE AND ECOTOURISM (Biodiversity and Wildlife conservation)	<b>Mr. Praveen Bhardwaj</b> Earth Journalism network	<b>10:35</b>
Mitotoxic potentiality of coppersulfate on <i>Allium cepa</i>	<b>Dr. Naina Srivastava</b>	<b>10:45</b>
Rapid Assessments and Role of Surrogate Taxa in Biodiversity Conservation	<b>Dr. Manish Bhardwaj</b> S.N. Sinha College, Warisaliganj, Magadh University, Bodh Gaya, Bihar, India	<b>10:55</b>
Fabrication of Syringic Schiff bases and $\beta$ -lactams along with their antimicrobial evaluation	<b>Miss Tanvi sahni</b> Chemistry, PAU, Ludhiana, India	<b>11:05</b>
Effect of different spacings of poplar on growth, yield attributing traits and fodder yield of cowpea under silvi-pastoral system	<b>Mrs. Sneha Yadav</b> Department of Forestry, Chaudhary Charan Singh Haryana Agricultural University, Hisar (PIN- 125004), Haryana, India	<b>11:15</b>
Carbon sequestration potential of <i>Grewia oppositifolia</i> based traditional Agroforestry system in Garhwal Himalayan region of India	<b>Mrs. Naveen Tariyal</b> KVK Ranichauri, Tehri Garhwal, VCSG UHF BHARSAR PAURI GARHWAL, Uttarakhand, India	<b>11:25</b>
Rice false smut: The Epidemiology and Management using Bio-control	<b>Miss Neha Pandey</b> AIMT, E-3 Block, Amity University, Sector 125, Noida (U.P.) , India	<b>11:35</b>
PEG mediated destabilization of holo $\beta$ -Lactalbumin Probed by in silico and in vitro Studies: Deviation from Excluded Volume Effect	<b>Miss. Neha Raina</b> Sharda University, Department of Biotechnology, Greater Noida, India	<b>11:45</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2021Awardees</b>	<b>12.50</b>
<b>Day-2 (Monday) Date: 18.10.2021</b>		
<b>Technical Session –IV (12.00- 15.30 IST):</b>		
(Theme-III: Life Sciences, Biomedical Sciences, and Biotechnological aspects)		
<b>Invited lectures, Oral Presentations and felicitation of AETDS-2021Awardees</b>		
<b>Session Moderator:</b>		
<b>Chairman:</b>		
<b>Co-Chairman: Dr. Zakaullah Khan, Principal Scientist, ICAR-National Bureau of Plant Genetic Resources (NBPGR), New Delhi, India</b>		
<b>Co-Chairman: Dr. Deepak Som, Associate Professor (Microbiology), School of Agricultural Sciences Shri Guru Ram Rai University, Dehradun, India</b>		

<b>Rapporteur: Dr. Pankaj Seth, DEE, BAU, Ranchi, Jharkahnd, India</b>		
<b>Rapporteur:</b>		
<b>Invited Lecture</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Reserve slots	Reserve slots	<b>12.00-12.15</b>
Begomovirus: a future challenge for economically important crops	<b>Dr. Mohammad Ansar</b> Department of Plant Pathology, Bihar Agricultural University, Sabour-813 210, Bhagalpur, Bihar, India	<b>12.15-12.30</b>
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Haplotype network of 94 diverse deep-water rice of Assam using eQTLs regulating transcript for internode elongation under deep water stress	<b>Miss. Megha Rohilla</b> Punjab University, Chandigarh, India	<b>12.30</b>
Linkage disequilibrium analysis for identification of candidate gene/QTLs for Alternaria blight resistance in Brassica jinxes L.	<b>Dr. Vanya Bawa</b> Dr Vanya, University Institute of Agricultural Sciences, Chandigarh University, Punjab, India	<b>12.40</b>
Quantitative analysis of DNA from human samples under temperature and incubation period variations	<b>Mr. Shubham Kumar</b> Department of Micro biology, CCS-HAU, Hisar, Haryana, India	<b>12.50</b>
Molecular characterization, development of functional markers and their utilization in molecular breeding for sugary1 gene governing kernel sweetness in maize	<b>Dr. Rashmi Chhabra</b> Maize Genetics Unit, Division of Genetics, ICAR-IARI, New Delhi 110012	<b>13:00</b>
Genomics-assisted introgression of novel combination of opaque2 and opaque16 genes and development of lysine and tryptophan rich biofortified maize	<b>Gulab Chand</b> Genetics Division, Indian agricultural research institute, pusa campus, New delhi, India	<b>13:10</b>
Genome-wide identification of MYB transcription factor gene family in Capsicum spp. and their comparative analysis	<b>Khushbu Islam</b>	<b>13:20</b>
Street light influencing the Physiological and Molecular level on Indian Avian fauna specially Passerine bird Black Headed Munia (Lonchura Malacca)	<b>Dr. Pawan Kumar</b> Department of Zoology, D S College, Aligarh, Uttar Pradesh India	<b>13:30</b>
Phylogeny of Oscheiusmyriophilus isolated from laevicaulisalte, inferred from rDNA and morphometrical basis	<b>Miss Kajol</b> Nematology Laboratory, department of Zoology, Ch Charan Singh University, Meerut, Uttar Pradesh, India	<b>13:40</b>
Cost effective bioprocess for Anti-Viral bioactive production through microbial transformation	<b>Dr. Dharendra Kumar</b> Department of Botany, Chaudhary Bansi lal University, Bhiwani, Haryana, India	<b>13:50</b>
Effect of fly ash on growth and survival of sulphur oxidising bacteria	<b>Miss Nandni</b> Department of Microbiology, Chaudhary Charan Singh Haryana Agricultural University (125004), Hisar, Haryana	<b>14:00</b>
Study the role of structural and functional variations in Capsaicinoid biosynthesis genes causing contrasting fruit pungency in Capsicum species	<b>Mr John Momo</b> School of Life Science, JNU, Delhi, India	<b>13.35</b>

Heat induced decreased activity of nitrate reductase and its impact on yield under late sown condition in three genotypes of wheat ( <i>Triticum aestivum</i> L).	<b>KamlaJakhmola</b> School of Agricultural Sciences Shri Guru Ram Rai University, Patel Nagar (Dehradun),248001 Uttarakhand, India	<b>13.43</b>
A Study on Impact of Family Size on Nutritional Status of Primary School Children	<b>Ankita Tyagi</b> Home Science, Govt Women PG College, Kandha, Shamli, India	<b>13.50</b>
Performance of wheat ( <i>Triticum aestivum</i> ) varieties under cold stress condition	<b>Girish Chandra*</b> SGRR University, Dehradun, India	<b>14:00</b>
Seed Vigour Tests on Different Cultivars of Phaseolus Vulgaris Grown In Chamoli District Of Uttarakhand, India	<b>Miss. Sobha</b> SGRR University Dehradun, Uttarakhand, India	<b>14:10</b>
Reserve slots	Reserve slots	
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2021Awardees</b>	<b>14:20</b>
<b>Lunch Break</b>		<b>14:30-15:30</b>

**Important Instructions for Offline attendee at Dehradun:**

- 1). Duration for Keynote Address (20 mins); Invited Lectures (15 mins); Oral Presentations (10 mins).
- 2). **Poster Sessions will only be organized** on 17 & 18 October 2021 (Day-1& Day-2) as Follows  
Day 1, 17 October 2021: 01:00-04:00 PM- Theme 1: **Innovative Approach in Agricultural and Allied Sciences**  
Day 2, 18 October 2021: 9.30-11.30 - Theme 2: **Agroforestry, Natural resource management, Food and Environmental Security**  
Day 2, 18 October 2021: 12.00-2.00PM Theme 3: **Life Sciences, Biomedical Sciences, and Biotechnological aspects & Theme 4:AGRI and Animal Husbandry Startups**

Note: Dimensions for Posters (clearly visible flex print/digital print/other good quality print): 25 x 38 inches).

All participants are requested to upload their PowerPoint presentations/deposit their posters at Registration Counters. 5). For any amendments/rectifications related to Oral/Poster presentations, please contact Session Moderator.

- 6). Registration counters will be closed during Inaugural Function (10:00-12:00).

Dear Sir/ Madam,

Thank you very much for your enthusiasm in our upcoming an **3<sup>rd</sup> 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 **3<sup>rd</sup> 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>

Here is the link to join the **3<sup>rd</sup> International Conference (GIAFAS-2021) October 17-18, 2021**

**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=bS9wVWU2ZFFmUzVpQXVVFIRNTTFkZz09>

**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.

Let us learn and enjoy!!!

## GIAFAS-2021

### Guidelines for Poster Preparation:

Poster should be prepared in word file (3 pages) OR in power point slides (3 slides). Use only Arial Font Style. The page wise details for preparing the poster are given below:

#### Page 1:

Logo of authors' Institute Poster Title: Font size 60 to 74 (Bold) Logo of AETDS

Name of authors: Font size 40

1(Add affiliation of the first author), 2(Add affiliation of the second author), 3(Add affiliation of the third author)

#### Page 2:

**Introduction/background:** Font 32-36

**Objectives:** List objectives here (Font 32-36)

**Methodology:** Font 32-36, can use good quality picture, if required

#### Page 3:

**Results:** Font 32-36, can use good quality picture, if required

**Conclusion:** Font 32-36

**Acknowledgement, if any:** Font 32-36

#### Guidelines for Poster Submission:

1. Convert the 3 page word file OR 3 slide power point in pdf file.
2. Prepare a 3 to 5 minutes video clip explaining your poster.
3. Put presenting author's name as file name of both poster pdf file and video clip file.
4. Submit both (a) pdf file of your poster and (b) video clip file explaining your poster in the WhatsApp group of **GIAFAS-2021** on the prescribed date for evaluation by the designated poster evaluation experts.
5. The date for submission of the posters in the WhatsApp group of **GIAFAS-2021** will be announced in due course of time.

**Follow this link to join GIAFAS-2021 WhatsApp group for virtual Poster Presentation 13 October, 2021:**  
**(Virtual poster presenters only can join)**

Whatsapp Group for **Theme-I: Innovative Approach in Agricultural and Allied Sciences**

<https://chat.whatsapp.com/Bw0ZhprgDSE1vgjU485FiA>

Poster Presentation (Only **Theme-I: poster** presenters can join the Group)

Whatsapp Group for **Theme-II: Agroforestry, Natural resource management, Food and Environmental Security**

<https://chat.whatsapp.com/BKcqKhQIWqjLRJxoL6CNuX>

Poster Presentation (Only **Theme-II: presenters** can join the Group)

Whatsapp Group for Theme 3: Life Sciences, Biomedical Sciences and Biotechnological aspects

<https://chat.whatsapp.com/CUkgjY7NMHXL1vDaj0ICv>

Poster Presentation (Only **Theme-III and IV: presenters** can join the Group)

