

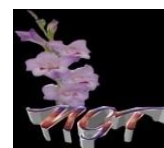
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Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, UK, India

### International conference

## Global Perspective in Agricultural and Applied Sciences for Food and Environmental Security (GAAFES-2019)

1-2 December, 2019

**Conference Venue:**

**UGC-HRDC Hall, Kumaun University, Nainital, UK, India**

**(Inaugural Session: A.N. SINGH HALL, DSB CAMPUS NAINITAL)**

### CONFERENCE PROGRAM SCHEDULE

**Day-1 (Sunday) Date: 01.12.2019**

**Registration (08:00-8:30 AM)**

**(UGC-HRDC Hall, Kumaun University, Nainital, UK, India)**

**Breakfast (08:00-9:30 AM)**

**(UGC-HRDC Hall, Kumaun University, Nainital, UK, India)**

**Inaugural Session (10.00-12.00)**

**(A.N. SINGH HALL, DSB CAMPUS NAINITAL)**

**Day-1 (Sunday) Date: 01.12.2019**

**Technical Session –I (12.15- 2.00 PM): Hall B**

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

**Invited lectures, Oral Presentations and felicitation of AETDS-2019 Awardees**

**Hall In charge: Dr. P.C. CHANYAL (9690659365)/ Dr. Asma Naz**

<b>Invited Lecture</b>	<b>Topic</b>	<b>Time</b>
Dr. Raj Singh Professor (Botany) Maharishi Markandeshwar (Deemed to be University) Mullana Ambala Haryana.	Association analysis among fungi, colonizing wheat crop residues during decomposition". For Sustainable and Environment friendly management of Renewable Natural resources.	12.15-12.25
Dr. Kiran Bargali Associate Professor, Department of Botany, DSB Campus, K.U. Nainital	Soil Carbon Sequestration in homegardens of different altitude and size in Nainital district of Utrakhnad, India	12.25-12.35
Dr Mahesh Kumar Registrar DSB Campus KU Nainital	Impact of MNERGA for rural development	
<b>Oral Presentation</b>	<b>Topic</b>	<b>Time</b>
Sunita Ghimire, Agriculture and Forestry University (AFU), Nepal	Climate Smart Agriculture: Experiences From Nepal	12.35-12.40

Rajesh kumar S S J campus almora (263601)	Thermodynamic and kinetic studies for environmentally friendly biosorption of pb (ii) using <i>RUBUS ELLIPTICUS</i> AND <i>MYRICA ESCULENTA</i> BIOMASS	12.40-12.45
Aishwarya V Patil College of Community Science, University of Agricultural sciences, Dharwad- 580005	Knowledge And Attitude About Obesity And Polycystic Ovarian Syndrome Among Adolscents	12-45-12.50
Charu Shahi Department Of Botany, Dsb Campus, Ku, Nainital	Carbon Stock And Sequestration Potential Of Different Sized Agroecosystems In Kumaun Himalaya	12.50-12-55
Deeksha Naik College of Community Science, University of Agricultural sciences, Dharwad- 580005	Environmental insecurity existing among nomadic tribes	12-55-1.00
Ravinder Ignou New Delhi	Role Of Municipal Solid Waste Management In The Environment	1.00-1.05
Dr. Renu Sharma Gokul Das Hindu Girls College, Moradabad, U.P.- 244001	Coral Reefs and Climate Change	1.05-1.10
Zahirul Alam Bangladesh Agricultural Research Institute (BARI), Gazipur, Bangladesh.	Development of white maize with higher amylopectin through genomics assisted breeding	1.10-1.15
Dr. Renu Choithrani Department of Physics and Electronics Barkatullah University Bhopal	Current and future prospects for development of environmental sustainability and security	1.15-1.20
Shefali CCS Haryana Agricultural University	Assessment Of Morphological And Behavioral Alterations Induced Due To Heavy Metal Exposure On Earthworms	1.20-1.25
Dr. Amalendu Kumar Tirhut College Of Agriculture, Dholi; DR. RPCAU, PUSA (BIHAR)	Utilization Status Of Maize Production Under Abiotic Stress Conditions In Samastipur District Of (Bihar)	1.25-1.30
Reserve Slot	Reserve Slot	1.35-1.40
Reserve Slot	Reserve Slot	1.40-1.45
Reserve Slot	Reserve Slot	1.45-1.50
Session Closing	Felicitation of Resource persons & AETDS-2019 Awardees	1.50-2.00

### Lunch Break (2.00-2.30 PM)

### Technical Session –II (2.30- 5.00 PM): Hall B

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

Invited lectures, Oral Presentations and felicitation of AETDS-2019 Awardees

Invited Lecture	Topic	Time
Dr. Nikhat Yasmin Shafeeq Associate Professor Aligarh Muslim University, Aligarh	Impact of Environmental Education On Sustainable Development	2.30-2.40
Dr Neeraj Tewari Associate Professor Lajpat Rai College, Ghaziabad, U.P. India.	Science and the Crisis of Ecology	2.40-2.50
Oral Presentation	Topic	Time
Dr. Prabhu Narayan Meena (Scientist) ICAR-Central Research Institute For Jute and Allied Fiber, Saheb bhagan, Nilgunj, Barrackpore, Kolkata (W.B), 700120	Bio-efficacy of strobilurin, triazole and propylene bis-dithiocarbamate fungicides against <i>Macrophomina phaseolina</i> (Tassi) Goid”	2.50-2.55
DR. MANOJ KUMAR SINGH Department of LPM, COVAS, SVPUAT, Meerut- 250110 (U.P.)	ROLE OF SMALL SCALE POULTRY IN FOOD SECURITY	2.55-3.00
Deepa Bisht G. B. Pant National Institute of Himalayan Environment & Sustainable Development Kosi Katarmal Almora	Assessing women’s participation in community forest management in the Garhwal Himalaya, Uttarakhand, India	3.00-3.05

Raushan Khan G B Pant University of Agriculture & Technology, Pantnagar	Formulation of nutrient dense biscuits: An effort to achieve food security by the use of indigenous raw produce	3.05-3.10
Rachita Pandey Department of Botany, D.S.B. Campus, Kumaun University, Nainital	Soil Organic Carbon As A Strategy To Mitigate Climate Change In Sub Tropical Sal Forest, Central Himalaya, India	3.10-3.15
Dr. Farha Rehman Department of Botany Mohammad Ali Jauhar University	Assessment of aphid infestation levels on two cultivars of <i>Brassica juncea</i> with varying defensive traits	3.15-3.20
Poonam Prasad D.S.B. Campus, Kumaun University, Nainital	Comparative Study of Seed Germination in Four Medicinally Important Plant of Central Himalaya, India	3.20-3.25
Macrofungal And Associated Macro Arthropod Diversity And Soil Nutrient Dynamics In A Temperate Forest, Western Himalaya	Phytoremediation Studies: Special Reference To Coal Fly Ash And Coal Mine Waste	3.25-3.30
Sangita Tomar HAU Hisar	U cycling discorded denim.....	3.30-3.35
ADNAN KHAN ALIGARH MUSLIM UNIVERSITY, ALIGARH.	Effect of copper(cu) and lead (pb) in combination with sodium chloride (Nacl) ON growth, yield and Their accumulation in <i>LINUM USITATISSIMUM L.</i>	3.35-3.40
Alka Rajput Dept of Botany, Punjabi University Patiala	Carotenoids Production By The Green Microalga <i>Asterarcys quadricellulare</i> PUMCC 5.1.1 Under Optimized Conditions	3.40-3.45
Dronak Kumar Sahu IGKV, Raipur	Farm mechanization and post-harvest technologies	3.45-3.50
Falak Siddiqui Deptt. Of Forestry & Environmental Science, D.S.B. Campus, K.U. Nainital	Rare, endangered, threatened plant species of Kumaun Himalaya, Uttarakhand, India	3.50-3.55
Sahyog Singh J. N. V., Birauli, Samastipur	.....	3.55-4.00
RAHUL ANAND Dr. Rajendra Prasad Central Agricultural University, Pusa (Samastipur)	Study on the divergence analysis of chickpea genotypes	4.00-4.05
Dr. Indu Sharma Maharishi Markandeshwar (Deemed to be University) Mullana Ambala Haryana. 133207	<i>Removal of heavy metals from waste water using Low Cost Adsorbents</i>	4.05-4.10
Dr. Beena Tewari Fulara DSB campus, Kumaun University, Nainital	Effect of altitude and canopy gaps on structure and diversity of oak and mixed forest.	4.10-4.15
Reserve Slot	Reserve Slot	4.15-4.20
Reserve Slot	Reserve Slot	4.20-4.25
Reserve Slot	Reserve Slot	4.25-4.30
Reserve Slot	Reserve Slot	4.30-4.35
Reserve Slot	Reserve Slot	4.35-4.40
Reserve Slot	Reserve Slot	4.40-4.45
Reserve Slot	Reserve Slot	4.45-4.50
Reserve Slot	Reserve Slot	4.50-4.55
Session Closing	Felicitations of Resource persons & ATDS-2018 Awardees	4.55-5.00
High Tea 5.00 PM		
<b>Day-2 (Monday) Date: 02.12.2019</b>		
<b>Breakfast (08:30-9:30 AM)</b>		
<b>Technical Session –II (9.30- 12.00): Hall B</b>		
(Theme-II: Natural resource management, Food and Environmental Security)		
Invited lectures, Oral Presentations and felicitations of AETDS-2019 Awardees		
<b>Invited Lecture</b>	<b>Topic</b>	<b>Time</b>
Dr. Riaz Ahmad Associate Professor	Nutrition And Diseases: Proteome Intonation In Mammalian Liver Fibrosis	9.30-9.45

Department of Zoology, Aligarh Muslim University, Aligarh	Disease Model	
<b>Dr. Asimul Islam</b> Associate Professor Jamia Millia Islamia, Jamia Nagar, New Delhi-110025	Stabilizing effect of osmolytes against Environmental stress	<b>9.45-10.00</b>
<b>Dr Pankaj Chhabra</b> Associate Professor ML & JNK Girls College, Saharanpur(UP)	Composting of compostable waste for food and environmental security	
<b>Oral Presentation</b>	<b>Topic</b>	<b>Time</b>
<b>Himani Karki</b> Department of Botany, DSB Campus, Kumaun University, Nainital	Co <sub>2</sub> Mitigation Potential Of Soils Under Different Land Use Systems In Kumaun Himalayan Region Of Uttarakhand	<b>10.00-10.05</b>
<b>Pankaj Yadav and Neelam Kuamri</b> Maharana Pratap Horticultural University, Karnal	Climate Variability and Change: Projections, Impacts and Interventions for Agro Eco-Systems	<b>10.05-10.10</b>
<b>SHAHBAZ NOORI P</b> College of Forestry Sirsi (UAS Dharwad)	Land Use Dynamics of Agroforestry Homegardens: Perspective from above and below canopy.	<b>10.10-10.15</b>
<b>Dr. Rajni chaudhary</b> Baba Farid group of institution, Deon (Bathinda), Pb	Comparisons of quantity and quality of lipids for two strains of <i>chlorella vulgaris</i> and their evaluation for biodiesel production	<b>10.15-10.20</b>
<b>Dr. Sandeep Rout</b> Assistant Professor (Forestry) Centurion University, Odisha	Standardizing Surface Sterilant and Callus Culture of Ashoka ( <i>Saraca asoca</i> Roxb. De Wilde) for Enhanced <i>in vitro</i> Plant Regeneration from Shoot tip	<b>10.20-10.25</b>
<b>Bhawna Adhikari</b> Department of Botany, DSB CAMPUS, KU NAINITAL	Crop Productivity And Carbon Potential Of Poplar Based Agroforestry System In Tarai Region of Kumaun Himalaya, India	<b>10-25-10.30</b>
<b>Himani Karki</b> Department of Botany, DSB Campus, Kumaun University, Nainital	Co <sub>2</sub> Mitigation Potential Of Soils Under Different Land Use Systems In Kumaun Himalayan Region Of Uttarakhand	<b>10.30-10.35</b>
<b>Pankaj Yadav and Neelam Kuamri</b> Maharana Pratap Horticultural University, Karnal	Climate Variability and Change: Projections, Impacts and Interventions for Agro Eco-Systems	<b>10.35-10.40</b>
<b>SHAHBAZ NOORI P</b> College of Forestry Sirsi (UAS Dharwad)	Land Use Dynamics of Agroforestry Homegardens: Perspective from above and below canopy.	<b>10.40-10.45</b>
<b>TANU SHIRI</b> CCS university campus Meerut 250004	Biosorption Of Lead (Pb) Through <i>EICHHORINA CRASSIPES</i> BIOMASS	<b>10.45-10.50</b>
<b>Swosti Suvadarsini Das</b> ICAR-CISH Rehmankhara, Lucknow-226101	Characterization Of Nutritional Quality Attributes In Indegineous Mango Germplasm Of Eastern India	<b>10.50-10.55</b>
<b>Sankarganesh E</b> BCKV, Mohanpur, West Bengal	Development of DNA Barcodes for Insect Pests of Solanaceous Vegetables: A Study From North Eastern Region of India	<b>10.55-11.00</b>
<b>ASISAN MINZ</b> Assistant Professor cum Junior Scientist Birsa Agricultural University, Ranchi, Jharkhand	Conservation Agriculture – An Approach Towards Sustainability	<b>11.00-11.05</b>
<b>Swosti Suvadarsini Das</b> ICAR-CISH Rehmankhara, Lucknow-226101	Characterization Of Nutritional Quality Attributes In Indegineous Mango Germplasm Of Eastern India	<b>11.05-11.10</b>
<b>Kamini Tamta</b> Kumaun University Nainital	Comparison Of Biomass In Oak And Pine Forest Grazinglands In Kumaun Himalaya	<b>11.10-11.15</b>
<b>Nandan Singh</b> Department Of Forestry & Environmental Science Kumaun University, Nainital	Water Relations Of Tree Species In The Himalayan Region Of Uttarakhand	<b>11.15-11.20</b>
<b>Dr. Bhawna Tewari</b> Department Of Forestry & Environmental Science Kumaun University, Nainital	Physical Parameters As Indicators Of Seed Maturity In Rhododendron Campanulatum D.Don In Kumaun Region	<b>11.20-11.25</b>

	<b>Of Uttarakhand</b>	
<b>Kamini Tamta</b> Kumaun University Nainital	<b>Comparison Of Biomass In Oak And Pine Forest Grazinglands In Kumaun Himalaya</b>	<b>11-25-11.30</b>
<b>Dr Priya Saini</b> IARI, New Delh	<b>RESIDUE DISSIPATION STUDY OF NANO-CAPSULE SUSPENSION OF AN INSECTICIDE</b>	<b>11.30-11.35</b>
<b>Dr. Anam Mirza</b> Aligarh Muslim University	<b>Green synthesis of carboxymethyl cellulose/ Pectin bionanocomposite and its application for the removal of Cr(VI) from synthetic wastewater</b>	<b>11.35-11.40</b>
<b>Reserve Slot</b>	<b>Reserve Slot</b>	<b>11.40-11.45</b>
<b>Reserve Slot</b>	<b>Reserve Slot</b>	<b>11.45-11.50</b>
<b>Reserve Slot</b>	<b>Reserve Slot</b>	<b>11.50-11.55</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2018 Awardees</b>	<b>11.55-12.00</b>

### **Technical Session –IV (12.00- 2.20PM): Hall B**

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

**Invited lectures, Oral Presentations and felicitation of AETDS-2019 Awardees**

<b>Invited Lecture</b>	<b>Topic</b>	<b>Time</b>
<b>Dr. Zakaullah Khan</b> Division Of Plant Quarantine, Icar-National Bureau Of Plant Genetic Resources, New Delhi	<b>Eco-Friendly Management Of Disease Complex Caused By Root-Knot Nematode And Fusarium Wilt Fungus Using PGPR, PAENIBACILLUS SPP.</b>	<b>12.00-12.10</b>
<b>Dr NN Pandey</b> Designation: Principal Scientist Institute Address: ICAR-DCFR, Anusandhan Bhawan, Bhimtal	<b>TRIPLOID RAINBOW TROUT (ONCORHYNCHUS MYKISS) PRODUCTION BY PRESSURE SHOCK.</b>	<b>12.10-12.20</b>
<b>Dr. Anju Rani</b> Associate Professor Department of Botany, Swami Vivekanand Subharti University, Meerut (UP)	<b>Introduction of nanotechnology to the environment for sustainable development</b>	
<b>Oral Presentation</b>	<b>Topic</b>	<b>Time</b>
<b>Wassem Bassem Maher Naguib</b> SCRI, Egypt	<b>DO PLANTS TALK TO EACH OTHERS ?</b>	<b>12.20-12-25</b>
<b>Geeta</b> CCS HAU HISSAR	<b>Hybrid performance and combining ability analysis in Indian mustard (<i>brassica juncea l. czern and coss.</i>)by using line x tester mating design</b>	<b>12.25-12.30</b>
<b>CHAW SU SU HTWE</b> Division of Plant Genetic Resources, ICAR-IARI, New Delhi-110012	<b>MUSA GENOMICS AND CONSERVATION</b>	<b>12.30-12.35</b>
<b>Madhumonti Saha</b> IISS, Bhopal-462038	<b>Vicissitudes in sowing time and tillage can arbitrate moisture stress of rainfed lentil fitness and productivity in rice-lentil system</b>	<b>12.35-12.40</b>
<b>Aniketa Horo</b> Punjab Agriculture University, Ludhiana	<b>Precision irrigation: The next avenue of highly irrigated Punjab</b>	<b>12.40-12.45</b>
<b>Saurabh Chamoli, Dr. P.C Chanyal &amp; Divya Shivani</b> Department of Geography, D.S.B Campus, Kumaun University Nainital, Uttarakhand	<b>Doubling the Farmers' Income through Organic Farming in Hilly Areas of Uttarakhand</b>	<b>12.45-12.50</b>
<b>Dr. Rajni Agashe</b> Krishi Vigyan Kendra Surguja , Indira Gandhi Krishi Vishwa Vidyalaya Raipur C.G	<b>Assessment of mahua producers groups in Collection, primary processing and marketing Of mahua</b>	<b>12.50-12.55</b>
<b>Ravinder</b> Ignou New Delhi	<b>Role Of Municipal Solid Waste Management In The Environment</b>	<b>12.55-1.00</b>
<b>Kingshuk Modak</b> Indian Agricultural Research Institute, Pusa, New Delhi-110012	<b>Tillage And Residue Retention Effects On C Pools Within Soil Aggregate And Oxidative Stability Of C Under Wheat Based System In Sub-Tropical India</b>	<b>1.00-1.05</b>
<b>Dr. Rama Shankar Singh</b> Tirhut College Of Agriculture, Dholi; DR. RPCAU,	<b>Effects of sowing dates and crop geometries on yield, oil content and economic</b>	<b>1.05-1.10</b>

PUSA (BIHAR)	of indian mustard ( <i>BRASSICA JUNCEA L.</i> ) Under changing climate scenario	
SOMYA MISRA Deptt of Agricultural Economics, GBPUAT Pantnagar	Assessment Of Marketing Status Of Peach In Ramgarh Block Of Nainital District Of Uttarakhand	1.10-1.15
Manoj Kumar Chitara GBPUA&T, Pantnagar	Secondary Metabolites Mediated Defence Responses against <i>Colletotrichum capsici</i> and Colletotrichumine A in Chilli ( <i>Capsicum annum L.</i> )	1.15-1.20
Dr. Sandeep R. Kamdi AICRP on Linseed and Mustard, College of Agriculture, Nagpur	Induction of Genetic Variability in Soybean for Disease Resistance and Yield and Its Contributing Traits By Gamma Rays	1.20-1.25
Jyotirmaya Sahoo ICAR-IARI, New Delhi-110012	Characterization Of Soils Of Jhumpa Kalan Watershed Of Bhiwani District Haryana, North-West India	1.25-1.30
Sudershan Mishra Deptt Of Plant Physiology, Cbsh, Gbpua&T, Pantnagar	Effect Of Shading On Growth, Development And Reproductive Biology Of Major Weed Species Of Winter Season	1.30-1.35
Sadhna Chauhan Gbpua&T, Pantnagar	Evaluation Of Systemic And Non- Systemic Fungicides Against <i>Rhizoctonia Solani</i> Kühn Causing Web Blight Disease In Mungbean	1.35-1.40
Dr. Bhupinder Oulakh Deptt. Of Family Resource Management, College Of Home Science, Gbpuat, Pantnagar, Uttarakhand	Indigenous Method For Crop Protection At Grass Root Level In Hills	1.40-1.45
Deepika Pandey Deptt. Of Family Resource Management, College Of Home Science, Gbpuat, Pantnagar, Uttarakhand	Working Environment And Occupational Health Issues Of Cobblers – A Study Of Unorganized Sector In Uttarakhand	1.45-1.50
Priyanka Kumawat College of agriculture, SKRAU Bikaner	Container gardening innovative way of planting	1.50-1.55
	Reserve Slot	1.55-2.00
Reserve Slot	Reserve Slot	2.00-2.05
Reserve Slot	Reserve Slot	2.05-2.10
Session Closing	Felicitation of Resource persons & AETDS-2018 Awardees	2.10-2.20
<b>Lunch Break (2.20-3.00 PM)</b>		
<b>Valedictory Function (3.00-5.00 PM)</b>		
<b>UGC-HRDC Hall, Kumaun University, Nainital, UK, India</b>		

**Important Instructions:**

1). Duration for Keynote Address (20 mins); Invited Lectures (10 mins); Oral Presentations (05 mins).

2). **Poster Sessions will only be organized on 01 & 02 December 2019 (Day-1& Day-2) as Follows**

Day 1, 01 December 2019: 01:00-04:00 PM- Theme 1: **Innovative Approach in Agricultural and Allied Sciences**

Day 2, 02 December 2019: 9.30-11.00 - Theme 2: **Natural resource management, Food and Environmental Security**

Day 2, 02 December 2019: 11.00-1.00PM Theme 3: **Life Sciences, Biomedical Sciences and Biotechnological aspects**

Day 2, 02 December 2019: 1.00-2.30PM Theme 4: **Recent advances in Physical, Mathematical, Information, Chemical Sciences, Engineering and technology**

Note: Dimensions for Posters (clearly visible flex print/digital print/other good quality print): 25 x 38 inches or 34 x 46 inches. 4).

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 Hall In charge.

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