

**4<sup>th</sup> International Conference on “Global Efforts on Agriculture, Forestry, Environment and Food Security (Theme: Climate Change and Its Impact) (GAFEF-2022)”**  
(September 17-19, 2022)

JOINTLY ORGANIZED BY



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

**CONFERENCE PROGRAM SCHEDULE**

**Day-1 (Saturday) Date: 17.09.2022**

**Registration (08.00-9.30 A.M.)**

(During Inaugural Session Registration Counter closed)

**Inaugural Session (09.30-11.30 A.M.)**

Venue:

**Auditorium, Institute of Forestry, Pokhara Campus Pokhara, Nepal**

**Technical Session –I (12.00- 13.30):**

(Theme 1: Innovative Approach in Forestry, Agricultural and Allied Sciences)

Invited lectures, Oral Presentations and Felicitation of AETDS-2022 Awardees

**Session Moderator:** Dr. Pramod Kumar Gupta, JNKVV, Jabalpur, M.P.

**Venue: Conference Hall, Dean Office, Institute of Forestry, Pokhara Campus Pokhara, Nepal**

**Chairman:** Prof. Jay Prakash Dutta, Dean, FoA, Agriculture and Forestry University, Chitwan, Nepal

**Co-Chairman:** Prof. Harikesh Singh, Principal Ganna Utpadhak, PG College, Baheri, UP

**Co-Chairman:** Dr. Nishant V. Shende, Head, Department of Agricultural Economics and statistics, PGI, Dr. Panjabrao Deshmukh Krushi Vidyapeeth, Akola, Maharashtra.

**Rapporteur:**

**Rapporteur:**

**Invited Lecture**

Topic	Presenter	Time
Collection and profiling of genetic resources to redesign maize as a nutriceal	<b>DR. SURINDER SANDHU</b> Department of Plant Breeding and Genetics, Punjab Agricultural University, Ludhiana, Punjab, India	<b>12.00-12.10</b>
Plant diversity and distribution pattern along altitudinal gradient of Darjeeling Himalayad	<b>PROF. SUMIT CHAKRAVARTY</b> Department of Forestry, Uttar Banga Krishi Visvidyalaya Pundibari- 736165, Cooch Behar West Bengal India	<b>12.10-12.20</b>
Assessment, refinement and validation of the eco-friendly management technology for the of pod borer, <i>Helicoverpa armigera</i> (Hubner) in chickpea	<b>DR WAJID HASAN</b> Krishi Vigyan Kendra, Jahanabad, Bihar Agricultural University, Sabour, Bihar, India	<b>12.20-12.30</b>

**Oral Presentation**

Topic	Presenter	Time
Evaluation of forest product harvesting and distribution pattern in mid-hill community forest of nepal (a case study from bhagara, dharaamdaanda saalghari and ambote cf of kaski district)	<b>GANGA KANDEL</b> Forest Product Utilization, Institute of Forestry, Pokhara Campus, Pokhara, Kaski, Nepal	<b>12.30</b>

Seeing the unseen: opportunities for understanding the economic contribution of NTFPs	<b>MS. SABINA SIGDEL</b> Forest Product Utilization, Institute of Pokhara Campus, Pokhara, Nepal	<b>12.37</b>
Effect of CTC tea wastes as organic manure in growth and development on <i>Abelmoschus esculentus</i> (L.) Moench	<b>SATYAJIT SARKAR</b> Faculty, Department of Tea Science & Ph.D. Scholar, Department of Botany, University of North Bengal, West Bengal, INDIA	<b>12.45</b>
Timber economics in nepal; a stark disjoint between policy vision and field evidence??	<b>BIJAY DHAKAL</b> Forestry, Institute of Forestry, Pokhara, Nepal	<b>12.52</b>
Influence of cycocel levels on different varieties of african marigold for yield and quality attributes	<b>DR. Y.R. KHOBRADE</b> College of Agriculture, Gadchiroli (Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola) Maharashtra (India)	<b>13:00</b>
Critical analysis of non-timber forest products (NTFPs) of Nepal after 2000. a case of ACAP, Nepal	<b>DR. DHRUBA BIJAYA G.C.</b> Department of Social Forestry and Forest Management, Institute of Forestry, Pokhara Campus, Pokhara, Nepal	<b>13.07</b>
<b>Reserve Slots</b>	<b>Reserve Slots</b>	<b>13.15</b>
<b>Reserve Slots</b>	<b>Reserve Slots</b>	<b>13:22</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2022Awardees</b>	
<b>Lunch Break</b>		<b>13.30-14.00</b>
<b>Day-1 (Saturday) Date: 17.09.2022</b>		
<b>Conference Hall, Dean Office, Institute of Forestry, Pokhara Campus Pokhara, Nepal</b>		
<b>Technical Session –II (14:30- 17.15 IST):</b>		
<b>(Theme 1: Innovative Approach in Forestry, Agricultural and Allied Sciences)</b>		
<b>Invited lectures, Oral Presentations and Felicitation of AETDS-2022Awardees</b>		
<b>Session Moderator:</b> BIJEETA THANGJAM, Department of Plant Pathology, College of Agriculture, CAU, Imphal.		
<b>Chairman:</b> PROF. MIRZA HASANUZZAMAN, Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh		
<b>Co-Chairman:</b> Prof. C. P. Shivastav, Agriculture and Forestry University, Chitwan, Nepal		
<b>Co-Chairman:</b> Prof. SAJEED ALI, Uttar Banga Krishi Viswavidyalaya, West Bengal, India		
<b>Rapporteur:</b> Tulasi Prajuli, Agriculture and Forestry University, Chitwan, Nepal		
<b>Rapporteur:</b>		
<b>Invited Lecture</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Citrus decline in hill and mountainous ecosystem of west bengal	<b>Prof. SAJEED ALI</b> Uttar Banga Krishi Viswavidyalaya, West Bengal, India	<b>14.00-14.12</b>
Role of PKV mini dal mill in rural entrepreneurship development	<b>PROF. NISHANT VASANTRAO SHENDE</b> Department of Agricultural Economics & Statistics, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola (MS) India	<b>14:12-14.25</b>
Development of validated HPTLC methods for quality evaluation of some high traded medicinal plants from central India	<b>Dr. HARI OM SAXENA</b> NWFP section, SFM & AF Division, Tropical Forest Research Institute, Jabalpur (MP), India	<b>14.25-14:34</b>
Mitigation of salt stress in soybean by the application of Bacillus	<b>PROF. MIRZA HASANUZZAMAN</b> Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh	<b>14:35-14:50</b>
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Effect of pruning and different nutritional combinations on the performance of Darjeeling Mandarin orange	<b>DR. SARAD GURUNG</b> Uttar Banga Krishi Viswavidyalaya	<b>14:50</b>

Use of Buckwheat ( <i>Fagopyrum esculentum</i> ) as a natural source of phytase in chicken diet	<b>DR. RAKHI CHOWDHURY</b> Dept. of Animal Nutrition, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh	<b>14:57</b>
Genetic variability and character association studies in fennel genotypes	<b>MRS. DIVYASHREE N</b> Plantation, Spices, Medicinal and Aromatic Crops. University of Horticultural Sciences Bagalkot. Karnataka. India	<b>15:05</b>
Studies on population dynamics and disease incidence of bacterial wilt inciting pathogen ( <i>Ralstonia solanacearum</i> ) under different intercropping system.	<b>PROF. BINOY RAJ SHARMA</b> Uttar Banga Krishi Viswavidyalaya, India.	<b>15:12</b>
Assessment of suitability of ber ( <i>Ziziphus mauritiana</i> L.) cultivars for value addition through dehydration technology	<b>DR. UTPAL DAS</b> VAIAL, Vellore Institute of Technology, Vellore, Tamilnadu, India	<b>15:20</b>
Perception of farmers about cultivation of fish in cage culture	<b>DR S. SAHANA</b> Keladi Shivappa Nayaka University of Agricultural and Horticultural Science, Shivamogga, Karnataka State	<b>15:28</b>
Study the effect of bee attractants on foraging activities on niger ( <i>Guizotia abyssinica</i> L. f. Cass.) crop.	<b>DWARKA</b> JNKVV JABALPUR MP INDIA 482004	<b>15:35</b>
Assessing the Efficacy of Mutagenic Agents on the Growth and Flowering Attributes of Tuberose ( <i>Polianthes tuberosa</i> Linn.)	<b>MEIKAM ICHANCHA</b> Department of Floriculture and Landscaping, Bidhan Chandra Krishi Viswavidyalaya, Nadia, West Bengal, India	<b>15:42</b>
Performance assessment of water apple ( <i>Syzygium aqueum</i> L.) in cauvery delta of tamil nadu	<b>DR.S. SENTHILKUMAR</b> Department of Horticulture, Central University of Tamil Nadu, Thiruvavur, India	<b>15:50</b>
A study on entrepreneurship behaviour and readiness among agriculture students under student ready programme (srp)	<b>VAISHNAVI P</b> Department of Agricultural Extension Education, University of Agricultural Sciences, Dharwad, Karnataka, India	<b>15:58</b>
Acaricidal resistance and activity of detoxifying enzymes in ( <i>Oligonychus coffeae</i> ) nietner on tea	<b>DR. BISWAJIT PATRA</b> Regional Research Station, Agricultural Entomology, Uttar Banga Krishi Viswavidyalaya, Kalimpong, West Bengal, India	<b>16:05</b>
Eco-friendly solution to combat nutrition deficiency using microgreens and nanotechnology	<b>JEEVA.M</b> Research Scholar, School of Biological Sciences, CMS College of Science and Commerce, Tamilnadu, India	<b>16:12</b>
Organic nutrient management on growth and yield of some local land race cultivars of Ricebean ( <i>Vigna umbellata</i> ) in Darjeeling Himalaya region	<b>DR. BINOY CHHETRI</b> Regional Research Station (HZ), Uttar Banga Krishi Viswavidyalaya, Dugra, Kalimpong	<b>16:20</b>
Knowledge of fisherwomen in post-harvest activities of marine fisheries	<b>GADDE SRIHARSHA</b> Department of Extension and Communication Management, University of Agricultural Sciences, Dharwad, Karnataka, India	<b>16:27</b>
Quantitative analysis of essential ingredients, Nutraceutical, and trace elements in herbal infusion	<b>Dr. ARVIND KUMAR BHANDARI</b> Herbal Research and Development Institute- Mandal, Gopeshwar, Chamoli, Uttarakhand, India	<b>16:35</b>
Physiology and Medicine in Ancient India	<b>DR. SHASHI NAUTIYAL</b> Department of History, JV Jain College, Saharanpur, UP, India	<b>16:42</b>
Hyperspectral sensors and imaging technologies in phytopathology	<b>KUPPURAJ J</b> College of Agriculture, Punjab Agricultural University, Ludiana, Punjab	<b>16:50</b>
Revamping effects and curtailing effects of native bio-agents on black aromatic rice of manipur.	<b>BIJEETA THANGJAM</b> Department of Plant Pathology, College of Agriculture, CAU Iroisemba, Imphal.	<b>16:58</b>
Genetic diversity studies by morphological and microsatellite markers and	<b>Dr. REKHA CHITTAPUR</b> College of Horticulture, Bagalkot, University of Horticultural Sciences, Bagalkot	<b>17:05</b>

transferability of microsatellite markers across the cucumis species.		
Influence of Growth Attributes of Rice By Establishment Method, Nitrogen Levels, and Varieties	<b>PANKAJ PRASHAD JOSHI</b> , Agriculture and Forestry University, Chitwan, Nepal	<b>17:12</b>
Morphology and Pathogenicity of <i>Sclerotium rolfsii</i> Sacc on Lentil in Nepal	<b>PRATISHTHA ADHIKARI</b> Agriculture and Forestry University, Chitwan, Nepal	<b>17:15</b>
Weed Efficiencies, Yield, and Economics of Dry-Direct Seeded Rice as Influenced by Tillage Methods and Weed Management Practices	<b>DINESH MARASINI</b> Agriculture and Forestry University, Chitwan, Nepal	<b>17:22</b>
		<b>17:30</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS- 2022Awardees</b>	<b>17:35</b>
<b>Day-2 (Sunday) Date: 18.09.2022</b>		
<b>Session Moderator: Dr. Madhav Prasad Neupane</b> , Agriculture and Forestry University, Chitwan Nepal (9856037904)		
<b>Technical Session –III (9.30- 12.00 IST):</b>		
<b>(Theme 1: Innovative Approach in Forestry, Agricultural and Allied Sciences)</b>		
<b>Invited lectures, Oral Presentations and Felicitation of AETDS-2022 Awardees</b>		
<b>Chairman:</b>		
<b>Co-Chairman: DR. MOHAMMAD MONOBRULLAH</b> , ICAR Research Complex for Eastern Region, Bihar, India		
<b>Co-Chairman:</b>		
<b>Rapporteur:</b>		
<b>Rapporteur: Mr. Bhola Gautam</b> , Agriculture and Forestry University, Chitwan Nepal		
<b>Invited Lecture</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Future of dairy cattle industry in and around bihar is by mega utilization of sexed sorted semen	<b>DR SUMIT SINGHAL</b> Dr Rajendra Prasad Central Agriculture University Pusa, Bihar, India	<b>9:00-9:10</b>
Effect of solid Carbon dioxide on pulse beetle in redgram: way to ecostore pest management	<b>DR SUSHILA NADAGOUDA</b> Professor of Entomology, College of Agriculture University of Agricultural Sciences Raichur Karnataka India	<b>9:10-9:20</b>
Impact of climate change on insect-pests	<b>DR. MOHAMMAD MONOBRULLAH</b> ICAR Research Complex for Eastern Region, Bihar, India	<b>9:20-9:30</b>
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Evaluation of inbreds, inbred crosses and hybrids of cocoa ( <i>Theobroma cacao L.</i> ).	<b>DR. VIJAYAKUMAR B NARAYANAPUR</b> University of Horticultural Sciences, Bagalkot, Karnataka	<b>9:37</b>
Phenotyping of locally adopted Rice varieties of bihar by using microsatellite SSR markers.	<b>RUCHIKA CHHAYA</b> GPB, DRPCAU, Pusa Bihar India	<b>9:45</b>
“Influence of cultural practices, biocontrol agents and storage conditions on aflatoxin production in peanut”.	<b>RAKESH BELLUDI</b> Punjab agricultural University, Ludhiana, India	<b>9:52</b>
Effect of Aegle marmelos and Murraya koenigii on fertility response and large follicle development in delayed pubertal heifers under sub-tropical hill zone of Eastern Himalaya	<b>DR BRIJESH KUMAR</b> Scientist, Division of Animal Reproduction, ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly, U.P. 243 122 India	<b>10:00</b>
Non-newtonian flow of shear-thinning pineapple juice over a moving permeable sheet with slip and heat generation	<b>DR KAMAL DEBNATH</b> Department of Mathematics, The Assam Royal Global University, Guwahati, Assam, India	<b>10:07</b>
Qualitative Phytochemical analysis of Ethanol and Aqueous extract of Cayratia	<b>Dr.PRASHANTH S J</b>	<b>10:15</b>

mollissima - An endangered fruit of Western Ghats of India	Department of Food Processing and Nutrition, Karnataka State Akkamahadevi Women's University, Vijayapura, Karnataka, India	
Life skill intervention possibilities for smart phone usage/addiction among college students	<b>VIJAYA U. PATIL</b> Department of Home Science, Government Home Science College Hassan-573202, Karnataka, India	<b>10:22</b>
Sowing time influence mungbean cultivars productivity in chitwan, nepal	<b>DR. MADHAV PRASAD NEUPANE</b> Agriculture and Forestry University, Chitwan Nepal	<b>10:30</b>
Prospects of location specific implements and devices for agricultural mechanisation in kalimpong district of west bengal – a case study	<b>DR B. B. GURUNG</b> Kalimpong Science Centre, West Bengal, India	<b>10:37</b>
Induction of hermaphrodite flowers for maintenance of gynocious lines in bitter gourd ( <i>Momordica charantia. L</i> )	<b>SWAMINI BHOI</b> PhD scholar, Indian institute of horticultural research, Bengaluru, Karnataka, India,	<b>10:45</b>
Collection and evaluation of darjeeling mandarin	<b>Dr NATASHA GURUNG</b> ICAR-Indian Agricultural Research Institute (IARI) Regional Station, Kalimpong, West Bengal-734301.	<b>10:52</b>
An economic analysis of vegetable production in raichur district of karnataka	<b>DR AMRUTHA T JOSHI</b> University of Agricultural Sciences, Raichur. Karnataka	<b>11:00</b>
Viability and vigour studies in passion fruit ( <i>Passiflora edulis</i> var. flavicarpa)	<b>DR DILEPKUMAR MASUTHI</b> University of Horticultural Sciences, Bagalkot	<b>11:08</b>
Effect of ambient air quality on wheat crop proximate to prism cement plant Satna (M.P.)	<b>Mr. SHEELENDRA KUMAR UPADHYAY</b> Department of Environmental Science, Faculty of Life Science and Technology AKS University, Satna (M.P.)	<b>11:15</b>
Bridging the Yield Gaps of Major Cereals through Agronomic Interventions in Nepal	<b>DR. SANTOSH MARAHATTA</b> Agriculture and Forestry University, Chitwan Nepal	<b>11:22</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2022 Awardees</b>	<b>11:30</b>

### Day-2 (Sunday) Date: 18.09.2022

#### Technical Session –IV (11.30- 14.00 IST):

**(Theme 1: Innovative Approach in Forestry, Agricultural and Allied Sciences)**

**Invited lectures, Oral Presentations and felicitation of AETDS-2022Awardees**

**Session Moderator:** BHUMIKA VARSHNEY, Biotechnology, Mangalayatan University, U.P., India

**Chairman:** DR. KARUNA SREE EMMANENI

Director of Extension, Dr.YSR Horticultural University Venkataramannagudem West Godavari, Andhra Pradesh

**Co-Chairman:** Dr. ALLA DEVI VARA PRASAD REDDY,

Krishi Vigyan Kendra, Dr.YSR Horticultural University, Andhra Pradesh

**Co-Chairman:** Dr. Huma Naz, MANFDC, India

**Rapporteur:**

**Rapporteur:**

#### Invited Lecture

Topic	Presenter	Time
Popularization of improved short duration rice variety telangana sona (rnr 15048) through frontline demonstrations in nalgonda district, Telangana.	<b>PROF. M. A. AARIFF KHAN</b> Dean, Agriculture & Horticulture, University Institute of Agriculture & Horticulture, Guru Nanak University, Ibrahimpatnam, Rr District, Telangana State.	<b>11:00</b>
Terrace kitchen gardens for household nutritional security in semi- urban areas of west godavari district of Andhra Pradesh	<b>DR. KARUNA SREE EMMANENI</b> Dr. YSRHU-KVK, Dr. YSR Horticultural University, Venkataramannagudem, Andhra Pradesh, India	<b>11:10</b>
Innovative Vegetable Production in Uttarakhand Hills	<b>DR. ANITA SINGH</b> School of Agriculture, Graphic Era Hill University, Dehradun	<b>11:20</b>

#### Oral Presentation

Topic	Presenter	Time
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Production performance of Holstein crossbred cows under the existing farming system in a certain area of Bangladesh	<b>MD. ALIAR RAHMAN</b> Research Assistant, Animal Nutrition Department, Bangladesh Agricultural University, Mymensingh-2202	<b>11:30</b>
Jawahar models an approach for economic empowerment of marginal farmer women	<b>GOPILAL ANJANA</b> Entomology, JNKVV, Madhya Pradesh, India	<b>11:37</b>
Response of fertigation levels and different hybrids on vegetative attributes and qualitative attributes of cucumber ( <i>Cucumis sativus</i> L.) grown under polyhouse conditions	<b>VEDIKA SHARMA</b> Department of Horticulture, Dr. Khem Singh Gill Akal College of Agriculture, Eternal University, Baru Sahib	<b>11:45</b>
Efficacy on population dynamic of fruit fly, <i>Bactrocera</i> spp. (Tephritidae: Diptera)	<b>AMIT KUMAR PATEL</b> Dr. C V Raman University vaishali Bihar	<b>11:52</b>
Effect of feeding yeast ( <i>Saccharomyces cerevisiae</i> ) fermented moist feed on the performance of broiler	<b>JESMIN AKTAR</b> Department of Animal Nutrition, Bangladesh Agricultural University, Bangladesh	<b>12:00</b>
Management interventions by use of native species to deal with the global obnoxious invader <i>Lantana camara</i>	<b>ABHISHEK KUMAR</b> Forest Ecology and Climate Change Division, Forest Research Institute, Dehradun, India	<b>12:07</b>
Performance of soil less growing media in relation to different fertigation levels on different vegetative and qualitative contributing components in sweet pepper <i>Capsicum annum</i> var <i>grossum</i> cultivar problem grown under naturally ventilated polyhouse	<b>DR. AMIT SAURABH</b> Horticulture, Dr Khem Singh Gill Akal College of Agriculture, Eternal University, Baru Sahib District Sirmaur Himachal Pradesh	<b>12:15</b>
Traditional Herbal Medicine in Western Uttar Pradesh: A pharmacological appraisal	<b>BHUMIKA VARSHNEY</b> Biotechnology, Mangalayatan University, Uttar Pradesh, India	<b>12:22</b>
Assessment of combining ability for yield and processing traits in Tomato ( <i>Solanum lycopersicum</i> )	<b>DR. NAMITA RAUT</b> University of Horticultural Sciences, Bagalkot, Karnataka, India	<b>12:30</b>
Application of Paraburkholderia and Delftia to mitigate cadmium toxicity in rapeseed	<b>MD. RAKIB HOSSAIN RAIHAN</b> M. S. Student, Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh	<b>12:37</b>
Response of bud induction in pineapple over applied plant bioregulators	<b>AFIYA R S</b> Department of horticulture, Central University of Tamilnadu	<b>12:45</b>
Multiple ovulation embryo transfer technology to propagate elite Sahiwal cows in Bihar	<b>DR SUMIT SINGHAL</b> Centre of Excellence on Indigenous Breed, Piprakothi, DRPCA, Pusa, 848 125, Bihar, India	<b>12:52</b>
Comparison among Napier Puckchong, Napier Hybrid, and Maize Fodder for biomass yield, ensiling quality, and profitability in a certain area of Bangladesh	<b>SHARMILA ISLAM</b> Department of Animal Nutrition, Bangladesh Agricultural University, Mymensingh, Bangladesh	<b>13:00</b>
Study on sole farming and diversified farming with allied activities influencing dependency on livelihood of respondents in scheduled area of Madhya Pradesh	<b>DR ARUN KUMAR</b> Agriculture Extension Education, School of Agriculture Sciences, Dr. B.R. Ambedkar University of Social Sciences, Mhow, Indore (M.P), Dr. Ambedkar Nagar (Mhow), M.P.	<b>13:07</b>
Vertical variability of cationic micronutrients in soils under jhum in Chandel district of Manipur, India.	<b>HRANGBUNG JURIST ANAL</b> Agricultural Chemistry and Soil Science, SASRD: Medziphema, Nagaland University, Nagaland, India.	<b>13:15</b>
Effect of Different Levels of Zinc and Iron on Physico-Chemical Properties of Soil in Cluster bean	<b>TARUN KUMAR</b> Department of Soil Science and Agricultural Chemistry, NAI, SHUATS, PRAYAGRAJ	<b>13:22</b>
Future of farming: The Hydroponics	<b>MAHENDRA CHOUDHARY</b> Department of Agronomy, GBPUA&T, Pantnagar	<b>13:30</b>
Forecasting monthly sunflower oil prices in india using sarima model	<b>DR. PREMA JAGANNATH BORKAR</b> Agricultural Economics, Gokhale Institute of Politics and Economics (Deemed University), Pune, Maharashtra. India	<b>13:37</b>

Analysis of technical efficiency of rice production in Jhapa district of Nepal: A stochastic frontier approach	<b>SUSHMITA BHATTA</b> Agriculture and Forestry University, Chitwan, Nepal	<b>13:45</b>
Science Technology and Innovation (STI) approach in Modern Extension system for empowering the farmers	<b>ARAVINDH KUMAR S</b> Swami Keshwanand Rajasthan Agricultural University Bikaner, Rajasthan	<b>13:52</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2022Awardees</b>	<b>14:00</b>
<b>Lunch Break</b>		<b>14:00-15:00</b>
<b>Valedictory Function (15.00-17.00)</b>		
Venue: Auditorium, Institute of Forestry, Pokhara Campus Pokhara, Nepal		
<b>Day-3 (Monday) Date: 19.09.2022</b>		
<b>Local Tour</b>		
<b>Note: Kindly note down your good name at the Registration counter list. So that we can make necessary arrangement.</b>		
<b>The buses will start from centre point at 9:30 AM and return drop 5 PM.</b>		

## **POSTER PRESENTATION**

**All Poster Presenter's Should Collect Poster Number from Registration Counter**

<b>Day 1, 17 September 2022: 02:00-04:00 PM</b>	<b>Theme 1: Innovative Approach in Forestry, Agricultural and Allied Sciences</b>
<b>Day 2, 18 September 2022: 9.30-11.00 AM</b>	<b>Theme 2: Agroforestry, Natural resource management, Food and Environmental Security</b> <b>Theme 3: Climate Change and its Impact</b>
<b>Day 2, 18 September 2022: 11.00-1.00 PM</b>	<b>Theme 4: Life Sciences, Biomedical Sciences, and Biotechnological aspects</b>

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

### **POSTER SHOULD CONTAINS:**

Title:

Name of authors:

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

**Introduction/background:**

**Objectives:** List objectives here

**Methodology:** can use good quality picture, if required

**Results:** can use good quality picture, if required

**Conclusion:**

**Acknowledgement, if any:**

**4<sup>th</sup> International Conference on “Global Efforts on Agriculture, Forestry, Environment and Food Security (Theme: Climate Change and Its Impact) (GAFF-2022)”**  
(September 17-19, 2022)

JOINTLY ORGANIZED BY



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

**CONFERENCE PROGRAM SCHEDULE**

**Day-1 (Saturday) Date: 17.09.2022**

**Registration (08.00-9.30 A.M.)**

(During Inaugural Session Registration Counter closed)

**Inaugural Session (09.30-11.30 A.M.)**

Venue:

**Auditorium, Institute of Forestry, Pokhara Campus Pokhara, Nepal**

**Technical Session –I (12.00- 13.30):**

(Theme 2: Agroforestry, Natural resource management, Food and Environmental Security)

Invited lectures, Oral Presentations and Felicitation of AETDS-2022 Awardees

**Session Moderator:** Mr. Ashish Shesharao Ghormade, Dr. BSKKV, Dapoli, Maharashtra, India

Venue:

**Lecture theatre or hall No. 10, Institute of Forestry, Pokhara Campus Pokhara, Nepal**

**Chairman:** Prof. (Dr.) Bir Bahadur Khanal Chhetri, Dean, Institute of Forestry, Tribhuvan University, Nepal

**Co-Chairman:** Prof. Neelam Chandra C Poudel,

**Co-Chairman:** Prof. Andrew Eagan,

**Rapporteur:** Dr Suma Talagunda Chandrasekhara, College of Agriculture, Raichur, UAS, Raichur, Karnataka, India

**Rapporteur:**

**Invited Lecture**

Topic	Presenter	Time
Effect of high protein from vegetable sources and low-fat diet for safe and lean meat from broiler	<b>PROF. DR. KHAN MD. SHAIFUL ISLAM</b> Student Affairs Advisor, Bangladesh Agricultural University, Mymensingh, Bangladesh	<b>12.00-12.11</b>
Sustainable utilisation of natural resources: problems and solution	<b>PROF. MADHU SHARAN</b> The Maharaja Sayajirao University of Baroda, Vadodara	<b>12.11-12.22</b>

**Oral Presentation**

Topic	Presenter	Time
Agroforestry, natural resource management, food and environmental security	<b>MISS. DIVYA KIRAN KOKANI</b> Department of AHDS, College of Agriculture, Dr. BSKKV Dapoli Dist-Ratnagiri Maharashtra India	<b>12.22</b>
Product development and micro biology study in gulabjamun ,	<b>CHANDRA SHEKHAR MOURYA</b> WCDT, Shuats, Pryagraj U.P. INDIA	<b>12.30</b>
Response of different liquid organic manures on growth,yield and quality on pea	<b>MS. MOOMAL BHARADWAJ</b> Horticulture, Agriculture University Kota, Rajasthan, India	<b>12.37</b>
Conservation agriculture: a new paradigm for improving system productivity and	<b>DR. T. PANDIARAJ</b>	<b>12.45</b>



resource use efficiency in diversified cropping system	College of Agriculture Campus (ANDUAT, Kumarganj, Ayodhya), Kotwa, Azamgarh, Uttar Pradesh - 276001, India	
Natural farming: a viable tool for sustainable future agriculture towards a healthy nation	<b>DR PRAKASH YADAV</b> Department of Agronomy, college of Agriculture Kotwa Azamgarh, ANDUAT AYODHYA , UP, India	<b>12.52</b>
Feeding ecology and seasonal changes in food habits of African Civet	<b>MR. DESSALEW SHITU</b> Natural Resource management, Agriculture and Natural Resources, Ethiopia	<b>13:00</b>
Drought mitigation and improvement in physiology and biochemistry of moisture stress grown cowpea ( <i>Vigna unguiculata L.</i> )	Dr Suma Talagunda Chandrasekhara Department of Crop Physiology, College of Agriculture, Raichur, University of Agricultural Sciences, Raichur, Karnataka, India	<b>13.07</b>
Effect of cutting and burning on grassland habitat in bardia national park, nepal birat	<b>MR BIRAT LAMICHHANE</b> Tribhuvan University, Institute of Forestry, Hetauda Campus, Hetauda 44107, Nepal	<b>13.15</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2022 Awardees</b>	<b>13:22</b>
<b>Lunch Break</b>		<b>13.30-14.00</b>

### Day-1 (Saturday) Date: 17.09.2022

**Lecture theatre or hall No. 10, Institute of Forestry, Pokhara Campus Pokhara, Nepal**

#### **Technical Session –II (14:30- 17.15 IST):**

**(Theme 2: Agroforestry, Natural resource management, Food and Environmental Security)**

**Invited lectures, Oral Presentations and Felicitation of AETDS-2022Awardees**

**Session Moderator:** Ms. Modi Ragini, College of Community Science, University of Agricultural Sciences, Dharwad

**Chairman:** Prof. Durga Devkota, Agriculture and Forestry University, Chitwan, Nepal

**Co-Chairman:** Dr. Jit Narayan Sah, Institute of Forestry, TU, Pokhara, Nepal

**Co-Chairman:** Dr Rajeshwari N, College of Community Science, University of Agricultural Sciences, Dharwad

**Rapporteur:**

**Rapporteur:**

#### **Invited Lecture**

<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Effect of biodegradable packaging materials combination on seed quality of chickpea seeds during storage	<b>PROF. SHAKUNTALA N M</b> Department of Seed Science and Technology, University of agricultural Sciences Raichur, Karnataka, India	<b>14.00-14.12</b>
Information communication technology for transfer of technology in agriculture – A way forward	<b>DR RAJESHWARI N</b> Dept of Extension and Communication Management, College of Community Science, University of Agricultural Sciences, Dharwad	<b>14:12-14.25</b>

#### **Oral Presentation**

<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Climate change policy framework in agriculture and its integration need in nepal	<b>DR. SHREE BHAGAVAN THAKUR</b> Madhesh Agricultural University, Rajbiraj, Madhesh province, Nepal	<b>14:25</b>
Assessment of the Status of Livelihood Improvement through Leasehold Forest in Gorkha District, Nepal	<b>MR. BIMAL PANDEY</b> Agriculture and Forest University, Faculty of Forestry, Hetauda	
The spouse occupation status effect on Farm Scientists Research Productivity	<b>DR. BALUSU GOPICHAND</b> University of Agricultural Sciences Bangalore	<b>14:33</b>
Agroforestry systems for enhancing resource use efficiency and productivity in semi-arid areas	<b>DR. NARESH KAUSHIK</b> Forestry, CCS HARYANA AGRICULTURAL UNIVERSITY, Haryana, India	<b>14:41</b>

Seed quality enhancement through orgoprining in Finger millet ( <i>Eleusine coracana</i> )	<b>DR. V. SRIDEVI</b> Department of Agronomy, Pandit Jawaharlal Nehru College of Agriculture and Research Institute, Pondicherry University	<b>14:50</b>
Organic fertilization of teasle gourd and its impact on yield, nutrient uptake and soil health	<b>DR. RAJENDIRAN S.</b> ICAR-IIHR-Central Horticultural Experiment Station, Chettalli-571248, Kodagu Dt., Karnataka, India	<b>14:57</b>
Development of fish cookies using low value fisheries: a step towards nutritional and food security	<b>DR. TANUSHRI GHORAI</b> College of Fisheries, Dholi, Dr. Rajendra Prasad Central Agricultural University, Muzaffarpur, Bihar, India	<b>15:05</b>
Performance of different intercrops under poplar-based agroforestry	<b>DR. LALIT UPADHYAY</b> SKUAST-JAMMU	<b>15:12</b>
Women and environmental governance in the himalayas: a case study of upper kullu valley	<b>DR MONICA AHLAWAT</b> Department of Geography, Dr. Bhim Rao Ambedkar College, Delhi University	<b>15:20</b>
Speed breeding: a tool to accelerate crop improvement programme	<b>MR. UPPADA YASHWANTH</b> Genetics and plant breeding, CUTM, Odisha, India	<b>15:28</b>
IPR utilization in agricultural issues and current challenges	<b>MS. SATTI TEJA RATNA KANAKA DURGA</b> Centurion University of Technology and Management, Odisha	<b>15:35</b>
Functional diversity and ecosystem services of home gardens along altitudinal gradient of Darjeeling Himalayas	<b>DR. GOPAL SHUKLA</b> Department of Forestry, Uttar Banga Krishi Viswavidyalaya, Cooch Behar, West Bengal, India	<b>15:42</b>
A comparative study on protein, iron and zinc content on certain red rice cultivars of Manipur	<b>MS. TABULIU ABONMAI</b> Department of Agronomy, College of Agriculture, CAU, Manipur, India	<b>15:50</b>
Integrated nutrient management in sustainable sugarcane production	<b>DR. SUNITA KUMARI MEENA</b> Department of soil science, Sugarcane Research Institute, RPCAU, Pusa	<b>15:58</b>
Suppressing anthracnose and maintaining fruit quality using salicylic acid with MAP, shrink and cling wrap packaging in white pulp dragon fruit ( <i>Hylocerus undatus</i> )	<b>MS. DEEP LATA</b> Postharvest Technology and Agricultural Engineering, Indian Institute of Horticultural Research, Bengaluru, Karnataka, India	<b>16:05</b>
Arsenic in cereals, vegetables, and fruits: A preliminary study	<b>MR. PANKAJ KUMAR</b> Department of Zoology, Patna University, Patna, Bihar, India	<b>16:12</b>
Consequence of organic composts and nutrients on wheat ( <i>Triticum aestivum L.</i> )	<b>MR. AMBUJ KUMAR SINGH</b> Department of Agronomy, Banaras Hindu university, UP, India	<b>16:20</b>
Assessment of bio resources and biodiversity of tea growing landscapes in Darjeeling district of Himalaya hotspot in India and their conservation	<b>DR. CHANDRA GHOSH</b> Department of Tea Science, University of North Bengal, West Bengal, India	<b>16:27</b>
Arsenic in agro products: An emerging threat to living beings.	<b>DR. INDU KUMARI</b> Department of Zoology, P. N. College, Parsa, Saran, Bihar, India.	<b>16:35</b>
Effects of Aspect on Forest Stand Characteristics in Far-Western Nepal Himalaya	<b>SUSHILA BHATTA</b> General Forestry, Tribhuvan University/Institute of Forestry Province 4, Nepal	<b>16:42</b>
Assessment of grass species composition in managed grasslands at arnali floodplain of Bardiya national park	<b>MR. DHIRAJ BHATTA</b> Institute of Forestry, Tribhuvan University, Gandaki Province, Nepal	<b>16:50</b>
Effect of biochar and FYM on yield and chemicals composition of fodder sorghum	<b>AASTHA PANDEY</b> Banaras Hindu University	<b>16:58</b>
Initiative for enhancement of farmer's and Rural Youth Incomes in current changing climate by practicing Farmers Participatory Hybrid Paddy Seed Production in Bihar.	<b>DR. RAVI KANT</b> T.C.A, Dholi, RPCAU, Pusa, (Bihar)	<b>17:05</b>
Distribution, habitat use and threats to four horned antelope ( <i>Tetracerous quadricornis</i> ) in banke national park, NEPAL	<b>NAV RAJ SHAHI,</b> Tribhuvan University, Institute of Forestry, Pokhara Campus, Pokhara	<b>17:12</b>

Strengthening the Cotton Value Chain in India	<b>MS. MODI RAGINI</b> College of Community Science, University of Agricultural Sciences, Dharwad, Karnataka State - 580 005	<b>17:20</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2022 Awardees</b>	<b>17:30</b>
<b>Day-2 (Sunday) Date: 18.09.2022</b>		
<b>Session Moderator: Dr. Lalit Upadhyay, KVK Jammu (7006069856)</b>		
<b>Technical Session –III (9.30- 12.00 IST):</b> <b>(Theme 3: Climate Change and its Impact)</b>		
<b>Invited lectures, Oral Presentations and Felicitation of AETDS-2022 Awardees</b>		
<b>Venue: Lecture theatre or hall No. 10, Institute of Forestry, Pokhara Campus Pokhara, Nepal</b>		
<b>Chairman: Dr. D.M. Panchbhai, Dean, Faculty of Horticulture Dr PDKV, Akola Maharashtra, India</b>		
<b>Co-Chairman: Prof. Raj Kumar Koirala,</b>		
<b>Co-Chairman: Dr. Bishnu Devkot,</b>		
<b>Rapporteur: Dr. Nirajan Bhattarai, Agriculture and Forestry University, Chitwan, Nepal</b>		
<b>Rapporteur:</b>		
<b>Invited Lecture</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Doubling the farmers income through indo israel citrus production technology	<b>Dr. D. M. Panchbhai,</b> Dean, Faculty of Horticulture Dr PDKV, Akola Maharashtra, India	<b>9:00-9:10</b>
Impact of climate change on fisheries and aquaculture in Nepal	<b>PROF. DILIP KUMAR JHA</b> Department of Aquaculture, Agriculture and Forestry University, Nepal	<b>9:10-9:20</b>
Nature-based solutions for agricultural sustainability, food security and climate resilience in Neh Region, India	<b>PROF. SANJAY-SWAMI</b> School of Natural Resource Management, College of Post Graduate Studies in Agricultural Sciences, Central Agricultural University, Umiam (Barapani), Meghalaya, India	<b>9:20-9:30</b>
Environmental consequences of landslide hazards: a case study of rishikesh to byasi region, tehri garhwal, Uttarakhand, India	<b>Dr. DROUPTI YADAV</b> Environmental Science, SLSBT, CSJM University, Kanpur Nagar, U. P. India	
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Analysing forest management practice through regeneration status and growth pattern in different felling series: A case study from community forest of rupandehi district, NEPAL	<b>BISHWABANDHU ACHARYA</b> Tribhuvan University, Institute of Forestry, Pokhara Campus, Pokhara, Nepal	<b>9:37</b>
Watershed prioritization of KAILALI district through morphometric parameters and landuse/landcover datasets using GIS	<b>SUSIL OJHA</b> Institute of forestry, Pokhara, Nepal	<b>9:45</b>
Climate change and women farmers: changing roles and responsibilities	<b>DR. RAKSHA</b> Department of Home Science, Faculty of Science, Siddharth University, Siddharth Nagar, Kapilvastu, U.P. India	<b>9:52</b>
Assessment of effect of seasonal variation on physical characteristics of soil of bamboo plot	<b>DR ABHA JHA</b> Botany, BNMU Madhepura, Bihar, India	<b>10:00</b>
Growth, yield and oil content of sunflower as influenced by micronutrients (Zn and B) grown under alluvial soil of West Bengal, India	<b>MS. NAOREM MEENA DEVI</b> BCKVV, WB	<b>10:07</b>
Identification and characterization of stress responsive proteins: dehydrins in wheat	<b>MS. RIDHI JOSHI</b> School of bioengineering and biosciences, Lovely Professional University, Phagwara, Punjab	<b>10:15</b>

Air pollution level declines the bird species diversity in urban area: a case study of bilaspur, Chhattisgarh during summer season	<b>MR. ANIMESH SHUKLA</b> Department of Forestry, Wildlife and Environmental Sciences. Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, INDIA	<b>10:22</b>
Organic crop management practices on growth and yield of sesamum under cluster frontline demonstration in West Godavari district of Andhra 5ubey5h	<b>DR. VAVILAPALLI DEEPTHI</b> Kvk Dr YSR horticultural University	<b>10:30</b>
Effects of climate change on Fisheries and Aquaculture: Mitigation aspects	<b>DR. ADITA SHARMA</b> Assistant professor, College of Fisheries, Dholi, Dr. Rajendra Prasad Central Agricultural University, Pusa, Muzaffarpur, Bihar	<b>10:37</b>
Review on genetics and genomic basis of staygreen trait to mitigate stress/ drought conditions	<b>MR. HARSHAVARDAN J HILLI</b> Department of Plant Breeding & Genetics, Punjab Agricultural University, Ludhiana, India	<b>10:45</b>
Status of Smut, Wilt and Pokkah Boeng Diseases in West Champaran District of Bihar	<b>MR. SAURABH DUBEY</b> Plant Pathology, KVK Madhopur, West Chmaparan DRPCU, Pusa, Samstipur, Bihar	<b>10:52</b>
Study the morphological and biochemical parameters of sesame for relative susceptibility against major sucking insects pests	<b>MR. KIRAN THAKUR</b> Department of Entomology, JNKVV Jabalpur, Madhya Pradesh, India	<b>11:00</b>
Scientists-farmers participatory mode of quality seed production in horticultural crops	<b>DR. SHIVAYOGI RYAVALAD</b> Seed Unit, UHS, Bagalkot, Karnataka	<b>11:08</b>
Effects of climate change on Fisheries and Aquaculture: Mitigation aspects	<b>DR. ADITA SHARMA</b> College of Fisheries, Dholi, DRPCAU, Pusa, Muzaffarpur, Bihar	<b>11:15</b>
Cluster front line demonstration on oilseed amongst farmers: an approach for self-reliant India	<b>DR. JEER VINAYAKA</b> Krishi Vigyan Kendra, Parsauni, RPCAU, Pusa, Bihar, India	
Assessment of effectiveness of waterholes in parsa national park, Nepal	<b>GITA NIROULA</b> Tribhuvan University, Institute of Forestry, Hetauda Campus, Hetauda, Nepal	
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2022Awardees</b>	<b>11:22-11:30</b>

### Day-2 (Sunday) Date: 18.09.2022

#### Technical Session –IV (11.30- 14.00 IST):

(Theme 3: Climate Change and its Impact)

Invited lectures, Oral Presentations and felicitation of AETDS-2022Awardees

Venue: Lecture theatre or hall No. 10, Institute of Forestry, Pokhara Campus Pokhara, Nepal

**Session Moderator:** PRITISHA PATGIRI

College of Post Graduate Studies in Agricultural Sciences, CAU, Umiam (Barapani), Meghalaya

**Chairman:** PROF. SANJAY SWAMI, School of NRM, CAU, Barapani, Meghalaya

**Co-Chairman:** PROF. MADHU SHARAN, The Maharaja Sayajirao University of Baroda, Vadodara

**Co-Chairman:** PROF. SURENDRA R. PATIL, Department of Fruit Science Dr. PDKV, Akola (MS) India

**Rapporteur:** Dr. Dhurba bijaya GC,

**Rapporteur:**

#### Invited Lecture

Topic	Presenter	Time
Strategies to combat climate change for pulse production	<b>PROF. ANITA BABBAR</b> Department of Plant Breeding and Genetics, JNKVV, Jabalpur (M.P.), India	<b>11:00</b>
Assessment of <i>Acorus Calamus</i> Linn. accessions for morphological traits and yield parameters	<b>PROF. T. S. MEHRA</b> Department of Forest Products and Utilization, College of Horticulture & Forestry, CAU, Pasighat-791102,	<b>11:10</b>

Studies on preservation of nagpur mandarin segments in sugar syrup	<b>PROF. SURENDRA R. PATIL</b> Department of Fruit Science Dr. PDKV, Akola (MS) India	<b>11:20</b>
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Success stories in decentralised system of waste water management	<b>MR. VIKRAMSINHA DESHMUKH</b> Director, 3 R waste management Maharashtra India	<b>11:30</b>
Signal transduction and sodium chloride stress amelioration by hydrogen sulphide in <i>Solanum melongena</i> .	<b>MS. ASSIMA FIRDOOS</b> Lovely Professional University, Jalandhar, Punjab-144411, India.	<b>11:37</b>
Influence of Climate based Litter decomposition on Regeneration of tropical mixed forest ecosystem	<b>MRS. GUNJA BARETHA</b> Department of Forestry, Wildlife and Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilspur, Chhattisgarh, India	<b>11:45</b>
Assessment & monitoring of reclaimed coal mine-degraded land: a tool for ensuring environmental sustainability	<b>MS. PREETY SHAH</b> Department of Forestry, Wildlife and Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India	<b>11:52</b>
Assessment of genetic diversity for yellow leaf disease resistance and susceptible in arecanut ( <i>areca catechu</i> L.) using molecular markers and comparative morphology and molecular phylogenetic analysis of arecanut ( <i>areca catechu</i> L.) cultivars.	<b>DR. NARAYANA SWAMY M</b> Associate Professor and Head Agriculture and Horticulture Research Station Sringeri Ksnuahs Shivamogga Karnataka India	<b>12:00</b>
Assessment of resilience in relation to physiological and behavioural patterns of prepartum tharparkar ( <i>Bos indicus</i> ) and vrindavani crossbred cows under tropical climatic condition	<b>DR VANDANA</b> Department of Animal Husbandry, Government of Uttarakhand	<b>12:07</b>
Effect of different music on growth and flowering of french marigold	<b>DR. JUJHAR SINGH</b> Department of Agriculture Mata Gujri College Fatehgarh Sahib	<b>12:15</b>
Prevalence of pea diseases in major growing areas of Central India	<b>DR. PRAMOD KUMAR GUPTA</b> JNKVV, Jabalpur, Madhya Pradesh, India	<b>12:22</b>
Effect of solid carbon dioxide on pulse beetle: way to ecostore pest management	<b>PROF. SUSHILA NADAGOUDA</b> College of Agriculture, UAS Raichur, Karnataka, India	<b>12:30</b>
Impact of Frontline demonstrations on Pigeonpea Crop in West Champaran, Bihar	<b>PROF. SHISHIR KUMAR GANGWAR</b> KVK West Champaran, RPCAU, PUSA, Samastipur, Bihar	<b>12:37</b>
Prevalence of pea diseases in major growing areas of Central India	<b>DR. PRAMOD KUMAR GUPTA</b> JNKVV, Jabalpur, Madhya Pradesh, India	<b>12:45</b>
Land use and land cover change detection of ernakulum, kerala using remote sensing and GIS	<b>DR. BISWAJITA MOHANTY</b> VIT School of agricultural Innovations and Advanced Learning, Vellore Institute of Technology, Vellore, TamilNadu, India	<b>12:52</b>
Noise affecting ethological and faunal activities	<b>SYED WAHID HASAN</b> PG Department of Zoology Magadh University Bodhgaya Bihar	<b>13:00</b>
Large-scale atmosphere monitoring by mosses	<b>DHEERAJ GAHTORI</b> Department of Botany, LPU, Jalandhar Punjab, India	<b>13:07</b>
Performance assessment of stress tolerant rice varieties (STRVs) under different crop establishment systems in rainfed stress-prone environment	<b>KAJAL VERMA</b> Department of Agronomy, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, Uttar Pradesh, India	<b>13:15</b>
Effect of herbicide on antioxidant activity of wheat plant	<b>DR. HEMLATA SINGH</b> Dr Rajendra Prasad Central Agricultural University, Pusa, Bihar,	<b>13:22</b>
Climate change policy framework in agriculture and its integration needs in Nepal	<b>SRISTI KHANAL</b> M.Sc. Agriculture (Soil Science), Tribhuvan University, Kathmandu, Nepal	<b>13:30</b>
Effects of simulated acid rain on biochemical and physiological characteristics of <i>Withania somnifera</i> (L.)	<b>MOH SAJID ANSARI</b> Department of botany, Aligarh Muslim University Aligarh, U.P., India	<b>13:37</b>

Hydroponic fodder as an alternate to conventional green fodder for sustainable rabbit production	<b>SHANMUGA SUNDARAM A</b> Livestock Farm Complex, Tamil Nadu Veterinary and Animal Sciences University, Chennai, Tamil Nadu, India	<b>13:45</b>
Impact analysis of management approaches on Taro Leaf Blight Disease caused by <i>P. colocasiae</i>	<b>DR. SUDHA NANDNI</b> Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur	<b>13:52</b>
Knowledge, Perception, and Satisfaction of Paddy farmers on the use of Information and Communication Technology (ICT) tools in Jhapa, Nepal	<b>U.P. SIGDEL,</b> Agriculture and Forestry University, Chitwan, Nepal	<b>14:00</b>
An innovative approach for estimation of phosphorus (P) in organically managed acidic soils	<b>PRITISHA PATGIRI</b> College of Post Graduate Studies in Agricultural Sciences, CAU, Umiam (Barapani), Meghalaya, India	
Climate Change and Microorganisms in Agroecosystems.	<b>THOKCHOM DORENCHAND SINGH</b> Soil Science & Agricultural Chemistry, CPGS-AS, Umiam, Meghalaya	
<b>Session Closing</b>	<b>Felicitations of Resource persons &amp; AETDS-2022 Awardees</b>	
<b>Lunch Break</b>		<b>14:00-15:00</b>

### Valedictory Function (15.00-17.00)

Venue:

**Auditorium, Institute of Forestry, Pokhara Campus Pokhara, Nepal**

**Day-3 (Monday) Date: 19.09.2022**

**Local Tour**

**Note: Kindly note down your good name at the Registration counter list. So that we can make necessary arrangement.**

**The buses will start from centre point at 9:30 AM and return drop 5 PM.**

## POSTER PRESENTATION

**All Poster Presenter's Should Collect Poster Number from Registration Counter**

Day 1, 17 September 2022: 02:00-04:00 PM	<b>Theme 1: Innovative Approach in Forestry, Agricultural and Allied Sciences</b>
Day 2, 18 September 2022: 9.30-11.00 AM	<b>Theme 2: Agroforestry, Natural resource management, Food and Environmental Security</b> <b>Theme 3: Climate Change and its Impact</b>
Day 2, 18 September 2022: 11.00-1.00 PM	<b>Theme 4: Life Sciences, Biomedical Sciences, and Biotechnological aspects</b>

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

POSTER SHOULD CONTAINS:

Title:

Name of authors:

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

**Introduction/background:**



**Objectives:** List objectives here

**Methodology:** can use good quality picture, if required

**Results:** can use good quality picture, if required

**Conclusion:**

**Acknowledgement, if any:**



**4<sup>th</sup> International Conference on “Global Efforts on Agriculture, Forestry, Environment and Food Security (Theme: Climate Change and Its Impact) (GAFF-2022)”**  
(September 17-19, 2022)

**JOINTLY ORGANIZED BY**



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

**CONFERENCE PROGRAM SCHEDULE**

**Day-1 (Saturday) Date: 17.09.2022**

**Registration (08.00-9.30 A.M.)**

(During Inaugural Session Registration Counter closed)

**Inaugural Session (09.30-11.30 A.M.)**

**Venue:**

**Auditorium, Institute of Forestry, Pokhara Campus Pokhara, Nepal**

**Technical Session –I (12.00- 13.30):**

(Theme 3: Climate Change and its Impact)

Invited lectures, Oral Presentations and Felicitation of AETDS-2022 Awardees

**Session Moderator:**

**Venue: Seminar Hall, Institute of Forestry, Pokhara Campus Pokhara, Nepal**

**Chairman: DR UJJWAL KUMAR**, ICAR Research Complex For Eastern Region, Patna, India

**Co-Chairman:**

**Co-Chairman:**

**Rapporteur: Dr. RAGHUBAR SAHU**, KVK Banka, BAU Sabour, Bihar

**Rapporteur:**

**Invited Lecture**

<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Domestication of native wild fruits for diversification in maharashtra region of India	<b>PROF. SURENDRA R. PATIL</b> Department of Fruit Science Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola (MS) India	<b>12.00-12.11</b>
Out scaling Strategies for Climate Resilient Technologies	<b>DR UJJWAL KUMAR</b> ICAR Research Complex For Eastern Region, Patna, India	<b>12.11-12.22</b>
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Brassinolide and zinc influencing physio-biochemical traits of garden pea ( <i>pisum sativum</i> L.) under water deficit condition	<b>DR. JYOSTNARANI PRADHAN</b> Department of Botany, Plant Physiology and Biochemistry, Dr. Rajendra Prasad Central Agriculture University, Pusa	<b>12.22</b>
A review of the effect of climate change and variability on agriculture in Bangladesh	<b>DR. MD. MOHIUDDIN SHEIKH</b> Bangladesh Agricultural Research Institute (BARI), Bangladesh	<b>12.30</b>
An assessment of vegetation and prey base species in the grassland of parsa national park, NEPAL	<b>SEELA BASNET</b> Tribhuvan University, Institute of Forestry, Pokhara Campus, Pokhara	<b>12.37</b>
Perception of farmers towards climate change	<b>DR. PRAMOD K. WAKLE</b> Dr.PDKV, Akola (MS)India	<b>12.45</b>



Development of value-added products from dehydrated curry leaves for preventing malnutrition	<b>Dr. KAHKASHAN PARVIN</b> Department of Food and Nutrition, Era University, Lucknow, Uttar Pradesh, India.	<b>12.52</b>
Performance of chilli hybrid uarch43 under different levels of spacing and fertilizer dose on growth and yield parameters	<b>Lt. Dr. VIJAY KUMAR KURNALLIKER</b> College of Agriculture, University of Agricultural Sciences, Raichur Karnataka	<b>13:00</b>
Food and environmental security in crops as influenced by climate resilient technological practices in banka district of Bihar	<b>Dr. RAGHUBAR SAHU</b> KVK Banka, BAU Sabour, Bihar	<b>13.07</b>
Climatic change and abiotic stress management	<b>MD RIZWANULLAH</b> Horticulture (Fruit Science) BAU Sabour Bhagalpur Bihar	<b>13.15</b>
Studies on Pre-disposing Factors of Macrophomina phaseolina Causing Charcoal Rot of Soybean	<b>REVENDRA KUSHWAHA</b> Department of Plant Pathology Jawaharlal Nehru Krishi Vishwa Vidyalaya Jabalpur Madhya Pradesh, India, 482004	<b>13:22</b>
Impact of community health centre in tribal vilages of the delivery of animal health services and productivity of animal	<b>DR. DHARMENDRA KUMAR</b> Krishi Vigyan Kendra, Bnaka, Bihar,India	<b>13:30</b>
Socio-economic Analysis of Food Insecurity: A Case of Bajura District, Nepal	<b>RAM KATTEL</b> Agriculture and Forestry University, Chitwan, Nepal	<b>13:38</b>
Analyses of Nutritional, Technological, and Sensory Quality of Fish - Fillet Muscle: A Review	<b>GHARTI, K.,</b> Agriculture and Forestry University, Chitwan, Nepal	
<b>Session Closing</b>	<b>Felicitaton of Resource persons &amp; AETDS-2022 Awardees</b>	
<b>Lunch Break</b>		<b>13.30-14.00</b>
<b>Day-1 (Saturday) Date: 17.09.2022</b>		
<b>Seminar Hall, Institute of Forestry, Pokhara Campus Pokhara, Nepal</b>		
<b>Technical Session –II (14:00- 17.15 IST):</b> <b>(Theme 3: Climate Change and its Impact)</b> <b>Invited lectures, Oral Presentations and Felicitaton of AETDS-2022Awardees</b>		
<b>Session Moderator:</b>		
<b>Chairman:</b> <b>Co-Chairman: DR AKRAMULLAH KHAN</b> , Purnea University, Purnia <b>Co-Chairman: Prof. Arvind M. Sonkamble</b> , Head Department of Horticulture, Dr. PDKV, Akola MS		
<b>Rapporteur: DR. CHAITRA G</b> , University of Agricultural Sciences, Bangalore <b>Rapporteur:</b>		
<b>Invited Lecture</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Response of chelated micronutrients, growth regulator and biofertilizers on growth and flowering of pomegranate ( <i>Punica granatum L.</i> ) cv. Bhagwa	<b>DR. GM WAGHMARE</b> Department of Horticulture, Vasantrya Naik Marathwada Krishi Vidyapeeth, Parbhani (M.S.) India	<b>14.00-14.12</b>
Impact of zero tillage on <i>rabi</i> crops: a case study of bihar, india	<b>DR ABHAY KUMAR</b> ICAR Research Complex for Eastern Region, Patna, Bihar, India	<b>14:12-14.25</b>
Effect of elevated carbon dioxide and temperature on growth and yield in groundnut ( <i>Arachishypogaea L.</i> ) genotypes	<b>PROF. N. M SHAKUNTALA</b> Dept. of Seed Science and Technology, College of Agriculture, Raichur, Karnataka, India	
<b>Oral Presentation</b>		

Topic	Presenter	Time
Effect of plant spacing and date of transplanting on growth, yield and quality of watermelon	<b>PROF. ARVIND M. SONKAMBLE</b> Department of Vegetable Science, Dr. PDKV Akola MS India	14:25
Integrated disease management technology for sesame under climate change. 2. Detection of citrus yellow mosaic virus & citrus greening bacterium in sweet orange by multiplex PCR	<b>DR. K. N. GUPTA</b> PC Unit (Sesame & Niger) ICAR, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur (M.P.) 4820 04, India	14:33
Influence of climate change on <i>Kharif</i> rice production in Bihar, India	<b>DR. ROHAN KUMAR RAMAN</b> Division of Socioeconomics and Extension, ICAR Research Complex for Eastern Region, Patna	14:41
Climate change and impact on water resources.	<b>TARANNUM ARA</b> PG Department, Purnea College Purnea, Bihar, India.	14:50
Diversity of freshwater euglenophytes in wetlands of bhagalpur district, Bihar, India	<b>DR. BRAJ NANDAN KUMAR</b> University Department of Botany, T.M. Bhagalpur University, Bhagalpur 812007, Bihar, India	14:57
Evaluation of carrot accessions for yield and quality traits.	<b>MANISHA</b> Ph.D. Scholar, Department of vegetable science, ICAR-IIHR Bengaluru, Karnataka, India	15:05
Development of hybrid strains of <i>lentinula edodes</i> through intraspecific hybridization for better yield	<b>NUDRAT SANZIDA AKHTAR</b> department of plant pathology, Visva-Bharati shantiniketan, WB, India	15:12
Field efficacy of bio-intensive pest management (BIPM) modules against a major insect pests of brinjal, fruit and shoot borer, <i>Leucinodes arbonalis</i> (Guenee)	<b>PUNAM BAGANG</b> College of Agriculture, Central Agricultural University, Iroisemba- 795004, Imphal, Manipur	15:20
Climate change impact on water quality	<b>ASHUTOSH KUMAR</b> , Purnea University Purnea	15:28
Impact of land cover dynamics on ecosystem services valuation of madhesh province, Nepal	<b>SHALINI SHAH</b> Institute of Forestry, Gandaki Province, Nepal	15:35
Theoretical basis for introduction of crops in non-conventional zone in organic production system for climate resilient agriculture	<b>DR. AMIT A. SHAHANE</b> College of Agriculture (Central Agricultural University, Imphal), Kyrdemkulai, Meghalaya, India	15:42
Evaluating the effect of combination of essential oils on rumen methane production through IVGPT	<b>DR RAJKUMAR K</b> Tamil Nadu Veterinary and Animal Sciences University, Chennai, Tamil Nadu, India	15:50
Climate change and its impact: perception of forest dependent communities in west garo hills of eastern Himalayas	<b>COLLEEN CH. MARAK</b> North Eastern Hill University	15:58
Climate change and green chemistry in context to human health	<b>SANYUKTA MANDAL</b> PG Department, Purnea University Purnea, Bihar, India.	16:05
Demonstration of area specific mineral mixture supplementation on milk yield and reproductive performance of dairy animals	<b>DR.T. VIJAYA NIRMALA</b> Krishi Vigyan Kendra, Dr YSR Horticultural University, Venkataramannagudem, Andhra Pradesh, India	16:12
Correlation and path analysis studies in cluster bean	<b>DR. SHASHIKANTH EVOOR</b> , Vegetable Science UHS, Bagalkot, Karnataka	16:20
Indigenous knowledge for climate change adaptation: Insights from Nepalese Mountain region	<b>SARU GAHATRAJ</b> Institute of Forestry, Tribhuvan University, Kaski, Nepal	16:27
Climate change and sustainable water resource management	<b>BINIT BHASKAR</b> Purnea University Purnea, PG Department of Chemistry	16:35
Impacts of climate change on water quality and its assessment	<b>DR AKRAMULLAH KHAN</b> Purnea University, Purnia	16:42

Supremacy of psychological characters influencing socio economic status of NFSM beneficiaries	<b>DR. CHAITRA G</b> University of Agricultural Sciences, Bangalore	<b>16:50</b>
Effect of botanicals and bioagents on growth parameters of sponge gourd	<b>SHIV KUMAR YADAV</b> RNB Global University, Bikaner, India	<b>16:58</b>
Effect of wheat bran and gram flour on yield and biological efficiency of white oyster mushroom [ <i>Pleurotus florida</i> (Mont.) Singer]	<b>RUCHI KUMARI</b> Nirwan University Jaipur, India	<b>17:05</b>
Performance of different organic nutrients on growth and yield of brinjal genotypes ( <i>Solanum melongena</i> L.)	<b>Dr. PRIYADARSHANI P MOHAPATRA</b> Horticulture, Central Agricultural University/College Of Agriculture, Meghalaya, India	<b>17:12</b>
Integrated weed management	<b>BHARAT LAL MEENA</b> Agronomy, SKN Agriculture University Jobner (Rajasthan)	<b>17:20</b>
Arbuscular mycorrhizal fungi in landslide areas	<b>DR. B. P. CHAMOLA</b> HNB Garhwal University, Srinagar Garhwal , Uttarakhand	<b>17:22</b>
Acidlime fruit waste utilization for development of value-added product- chutney	<b>DR. KASHIBAI S. KHYADAGI</b> Department of Food Science and Nutrition, College of Agriculture, Vijayapur, (University of Agricultural Sciences, Dharawd	<b>17:30</b>
Phenotyping of Rice Accessions under Timely Irrigated and Late Rainfed Conditions	<b>NABIN BHUSAL</b> Agriculture and Forestry University, Chitwan, Nepal	<b>17:37</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2022Awardees</b>	<b>17:45</b>

**Day-2 (Sunday) Date: 18.09.2022**

**Session Moderator:** Dr. Lalit Upadhyay (7006069856)

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

**Theme 4: Life Sciences, Biomedical Sciences, and Biotechnological aspects**

**Invited lectures, Oral Presentations and Felicitation of AETDS-2022 Awardees**

**Venue: Seminar Hall, Institute of Forestry, Pokhara Campus Pokhara, Nepal**

**Chairman:**

**Co-Chairman: Prof. Laxmi kant Bharti,**

Pediatric gastroenterology, Sanjay Gandhi Postgraduate Institute Of Medical Sciences, Lucknow, Uttar Pradesh, India

**Co-Chairman: Dr. JAGRATI B DESHMANYA,** University of Agricultural Sciences, Raichur

**Rapporteur:**

**Rapporteur:**

**Invited Lecture**

<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
MPCAs: Ideal Home for wild medicinal plant resources	<b>DR. MONORANJAN CHOWDHURY</b> Department of Botany, University of North Bengal, Darjeeling, West Bengal, India	<b>9:00-9:10</b>
Virus diseases of orchids: an overview	<b>DR. MOHD ASHAQ MALIK</b> Department of Botany, Govt PG College Rajouri, J&K, India	<b>9:10-9:20</b>
Impact of MGNREGA on wage and employment generation of rural women: A case study of Ballari district in North-Eastern Karnataka region.	<b>Dr. JAGRATI B DESHMANYA</b> University of Agricultural Sciences, Raichur	<b>9:20-9:30</b>
<b>Oral Presentation</b>		
<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
Identification of plr2 genes in flax	<b>PREEDHI KAPOOR</b> School Of Bioengineering and Biosciences, Lovely Professional University, Phagwara, India	<b>9:37</b>
Anti-microbial activities of methanolic leaf and stem extracts of different germplasms	<b>DR GARIMA KUMARI</b>	<b>9:45</b>

of <i>Zanthoxylum armatum</i> DC growing wild in various provinces of Himachal Pradesh: an endangered valuable medicinal plant	Dr Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh	
Production of Acidic Pectinase through Fruit waste	<b>VIRENDRA KUMAR PANDEY</b> Department of Biotechnology, AKS University, Satna, MP	<b>9:52</b>
Aquaculture based integrated farming systems for augmenting farmers income in west godavari district of Andhra Pradesh	<b>DR DEVIVARAPRASAD REDDY ALLA</b>	<b>10:00</b>
Phyto-assisted synthesis of silver nanoparticles and screening of their antimycotic activity	<b>DR. MASUDULLA KHAN</b> Botany Section, Women's College, Aligarh Muslim University	<b>10:07</b>
Development of next generation intelligent packaging system for food products through innovative integrated green approach	<b>DR R. SASIKUMAR</b> Department of Agribusiness Management and Food Technology, North-Eastern Hill University, Tura Campus, West Garo Hill, Tura, Meghalaya	<b>10:15</b>
Molecular screening of soybean advance breeding material for YMV and charcoal rot	<b>AKASH BARELA</b> Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur Madhya Pradesh	<b>10:22</b>
"Encapsulation Technologies of functional antioxidative molecules from Black rice: recent trends and future aspects"	<b>SALONI</b> Department of Dairy Science and Food Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, Uttar Pradesh, India	<b>10:30</b>
A study on participation and constraints in MGNREGA perceived by rural women in Ballari district.	<b>Dr. JAGRATI B DESHMANYA</b> University of Agricultural Sciences, Raichur	<b>10:37</b>
Serum amh concentration as a potential predictor of total antral follicle population, superovulatory response and embryo quality in sahiwal cattle	<b>DR PRADEEP CHANDRA</b> Division Of Animal Reproduction, ICAR -Indian Veterinary Research Institute, Bareilly, Up, India	<b>10:45</b>
Communicable bacterial infection and antibiotic resistance crisis	<b>DR. SANGEETA</b> Home Science, Ramabai Govt. Women P. G. College, Akbarpur-Ambedkarnagar	<b>10:52</b>
Biodiversity and diversity. of mango fruit flies	<b>DIL MEHJOORA</b>	<b>11:00</b>
Extraction of silica from agro waste and study of its applications	<b>PRIYVART</b> Biotechnology, SALS, Uttaranchal university, Dehradun, Uttarakhand, India.	<b>11:08</b>
Clinical and biochemical profile of breast cancer	<b>DR SWETA RAI</b> Home science department, Sri Ganesh Rai P. G. College Dobhi Jaunpur U. P.	<b>11:15</b>
Effect of different photoperiod on growth and flowering of <i>Chrysanthemum</i> ( <i>Dendranthema x grandiflora</i> Tzvelev) and evaluation of its genotypes for photo-insensitivity.	<b>PARVATHI BENNURMATH</b> Division of Horticulture, Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga	<b>11:22</b>
Milk Somatic Cell Count: An Indicator of Intra-Mammary Infection in Dairy Animals	<b>CHETRI, D. K.</b> Agriculture and Forestry University, Chitwan, Nepal	<b>11:30</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2022Awardees</b>	<b>11:37</b>
<b>Day-2 (Sunday) Date: 18.09.2022</b>		
<b>Technical Session –IV (11.30- 14.00 IST):</b>		
<b>Theme 4: Life Sciences, Biomedical Sciences, and Biotechnological aspects</b>		
<b>Invited lectures, Oral Presentations and felicitation of AETDS-2022Awardees</b>		
<b>Venue: Seminar Hall, Institute of Forestry, Pokhara Campus Pokhara, Nepal</b>		
<b>Session Moderator: Dr Neha Raina, Sharda University, Noida, India</b>		
<b>Chairman: PROF. DR. KHAN MD. SHAIFUL ISLAM,</b> Student Affairs Advisor, Bangladesh Agricultural University, Mymensingh, Bangladesh		

**Co-Chairman: Dr. Shreekant Khatiwada,**  
**Co-Chairman: Prof. Anil Kumar,** College of Veterinary and Animal Sciences, GBPUAT, Pantnagar, Uttarakhand  
**Rapporteur: Dr. Jyoti Bhandari,**  
**Rapporteur: Bikash Adhikari,**

### Invited Lecture

Topic	Presenter	Time
Influence of boron, calcium, nitrate and naa on initial seed quality of chilli	<b>PROF. RAVEENDRA JAWADAGI</b> University of Horticulture Sciences, Bagalkot, Karnataka, India	<b>11:00</b>
Precision Poultry Farming to Improve Productivity	<b>PROF. ANIL KUMAR</b> College of Veterinary and Animal Sciences, GBPUAT, Pantnagar -263145, Uttarakhand	<b>11:10</b>
Effect of organic manures and biofertilizers on growth and yield of watermelon ( <i>Citrullus lanatus</i> Thunb.)	Prof. Arvind M.Sonkamble Head Department of Horticulture, Dr.PDKV,Akola MS	<b>11:20</b>

### Oral Presentation

Topic	Presenter	Time
A review on human elephant conflict in north chhattisgarh: management strategies and mitigation measures	<b>AAKRITI TAMRAKAR</b> Department of Forestry, Wildlife & Environmental sciences, Guru Ghasidas University, Chhattisgarh, India	<b>11:30</b>
Development of therapeutic agents from functional foods against SARS-CoV2 infection using computational tools	<b>MOHD FAHEEM KHAN</b> Department of Biotechnology, Era University, Lucknow-226003, UP	<b>11:37</b>
Prevalence of protozoan and helminthes parasitic infection in Palpa, Nepal	<b>PIT BAHADUR NEPALI</b> Department of Zoology, Tribhuvan Campus, Palpa, Nepal,	<b>11:45</b>
The magnificent role of metal, metal oxides and plants based nanomaterials in bioremediation of pollutants	<b>DR DHIRENDRA KUMAR</b> Depart of Botany, CBLU Bhiwani, Haryana, India	<b>11:52</b>
Interaction of Polyethylene glycol 20 kDa with alpha-lactalbumin investigated via in vitro and in silico approaches	<b>DR NEHA RAINA</b> Sharda University	<b>12:00</b>
Pharmacognostic Studies of <i>E. thymifolia</i> .. a unani medicinal plant	<b>DR SAMEERA AHRAR AHMAD</b> P.G. and Research Department of Botany, G.T.P. College, Nandurbar. Kavayitri BahinaBai Chaudhary North Maharashtra University, Jalgaon, Maharashtra State, India.	<b>12:07</b>
Performance of chilli hybrid uarch43 under different levels of spacing and fertilizer dose on growth and yield parameters	<b>Lt. Dr. VIJAY KUMAR KURNALLIKER</b> College of Agriculture, University of Agricultural Sciences, Raichur Karnataka	<b>12:15</b>
Association studies for yield and grain quality traits in heat tolerant maize hybrids and their parents	<b>DR. HC SOWMYA</b> Genetics and Plant Breeding, University of Agricultural Sciences, Karnataka, India	<b>12:22</b>
Ecosystem restoration: a tool for global climate change mitigation	<b>ABHISHEK MAITRY</b> Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Central University, Bilaspur, Chhattisgarh	<b>12:30</b>
Climate changes:water quality and accessibility	<b>DIKSHA BHARATI</b> Purnea University,Purnea,Bihar,India	<b>12:37</b>
Revealing current status of charcoal rot of soybean in central India and morpho-cultural variabilities in its pathogenic agent	<b>DR. PAWAN KUMAR AMRATE</b> Department of Plant Breeding & Genetics, College of Agriculture, Jawahar Lal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh, India	<b>12:45</b>
Creation of novel genetic variation by recombination breeding and assessment of variability in F2 population of Brinjal ( <i>Solanum melongena</i> L.) for productivity related traits	<b>DR SATISH D</b> Dept of Biotechnology and crop Improvement, College of Horticulture, UHS, Bagalkot, Karnataka, India	<b>12:52</b>

Evaluation of variability in soil properties influencing pigeonpea ( <i>Cajanus cajan</i> L.) yield: a multivariate statistical approach	<b>DR. VIJAYA B WALI</b> Department of Agricultural Economics, University of Agricultural Sciences Raichur, Karnataka, India	<b>13:00</b>
Antimicrobial properties of leaves and stem extract of ocimum sanctum against some pathogenic bacteria	<b>UMA SHARMA</b>	<b>13:07</b>
Cucurbitaceae vegetables signal integration for Hydrogen Sulphide and Nitric Oxide under salt stress	<b>RITU KUMARI</b> Lovely Professional University, phagwara	<b>13:15</b>
Acaricidal resistance and activity of detoxifying enzymes in <i>Oligonychus coffeae</i> Nietner on tea.	<b>DR. BISWAJIT PATRA,</b> Assistant Professor (Agricultural Entomology), RRS(HZ) Uttar Banga Krishi Viswavidyalaya, Kalimpong, West Bengal.	<b>13:22</b>
Efficacy of organic amendments extract against Damping-off ( <i>Pythium aphanidermatum</i> ) of Tomato	<b>TARUN MANDAVIYA</b> Agriculture Research Station (FC), JAU, Mahuva, Bhavnagar (Gujarat)	<b>13:30</b>
Flexible system and its comparison with post harvesting mechanized techniques of peppermint plant used for extraction process	<b>MOHD ANAS</b> Department of Mechanical Engineering, Integral University, Lucknow	<b>13:37</b>
Assessing Carbon Sequestration in Agroforestry Systems in Churiya Range of Nepal	<a href="#">Lilu Kumari Magar</a> Agriculture and Forestry University, Chitwan, Nepal	<b>13:45</b>
Effect of Different Methods of Priming and Growth Regulators on Emergence and Growth of Hybrid Maize	Deepika Timsina Agriculture and Forestry University, Chitwan, Nepal	<b>13:52</b>
<b>Session Closing</b>	<b>Felicitation of Resource persons &amp; AETDS-2022 Awardees</b>	<b>14:00</b>
<b>Lunch Break</b>	<b>14:00-15:00</b>	



## Valedictory Function (15.00-17.00)

Venue:

Auditorium, Institute of Forestry, Pokhara Campus Pokhara, Nepal

Day-3 (Monday) Date: 19.09.2022

### Local Tour

**Note: Kindly note down your good name at the Registration counter list. So that we can make necessary arrangement.**

**The buses will start from centre point at 9:30 AM and return drop 5 PM.**

## POSTER PRESENTATION

All Poster Presenter's Should Collect Poster Number from Registration Counter

Day 1, 17 September 2022: 02:00-04:00 PM	<b>Theme 1: Innovative Approach in Forestry, Agricultural and Allied Sciences</b>
Day 2, 18 September 2022: 9.30-11.00 AM	<b>Theme 2: Agroforestry, Natural resource management, Food and Environmental Security</b> <b>Theme 3: Climate Change and its Impact</b>
Day 2, 18 September 2022: 11.00-1.00 PM	<b>Theme 4: Life Sciences, Biomedical Sciences, and Biotechnological aspects</b>

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

POSTER SHOULD CONTAINS:

Title:

Name of authors:

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

**Introduction/background:**

**Objectives:** List objectives here

**Methodology:** can use good quality picture, if required

**Results:** can use good quality picture, if required

**Conclusion:**

**Acknowledgement, if any:**