

BAES International Conference 2020

On

**Sustainable Agriculture and Rural Development:
*Road to SDGs***

January 23 - 24, 2020

**Venue: Sylhet Agricultural University
Sylhet, Bangladesh**

organized by



**Bangladesh Agricultural Extension Society (BAES)
&
Sylhet Agricultural University, Sylhet**



Full Program

Programme Outline of the Conference

Date/ Day	Time	Events
Day- 1 <i>23 Jan 2020</i> Thursday	08:30-09:45 am	Registration
	10:00-11:30 am	Inauguration
	11:30-11:55 am	Snack and tea break
	12:00-12:30 pm	Keynote presentation by Dr Karen Vines Virginia Tech, USA
	12:30-01:00pm	Keynote presentation by Prof Joon Kim Seoul National University, Republic of Korea
	01:00-01:55 pm	Lunch and Prayer Break
	02:00-03:30 pm	Parallel Technical Session-1
		Parallel Technical Session-2
	03.30-03:45 pm	Parallel Technical Session-3
		Parallel Technical Session-4
	03:45-05:30 pm	Tea break
		Parallel Technical Session-5
	05:30-06:30 pm	Parallel Technical Session-6
Parallel Technical Session-7		
Parallel Technical Session-8		
07:00-09:30 pm	Poster Presentation Session	
09:00-11.00 am	Cultural Evening and Conference Dinner	
	Parallel Technical Session-9	
	Parallel Technical Session-10	
	Parallel Technical Session-11	
	Parallel Technical Session-12	
Day-2 <i>24 Jan 2020</i> Friday	Parallel Technical Session-13	
	11:0-11:30 am	Snack and Tea Break
	11.30-11:55 am	Closing session
	12:00-01:00 pm	Business session
	01:00-02:45 pm	Lunch and Prayer
03:00-05:30 pm	Visit to Hazrat Shahjalal Mazar and Malnichara Tea Estate	
Day-3 <i>25 Jan 2020</i> Saturday	09:00 -04:00 pm	Visit to Ratargul Swamp Forest and Bisanakandi (On payment)

Scientific Contributions, Oral Presentations and Poster Presentations

Plenary

Keynote presentations

Parallel Technical Sessions

Four Thematic Groups, 13 Sessions

- 1 : Means of sustainable agriculture: organic farming, food sovereignty, climate change, poverty alleviation
 - 2 : Innovative practices for mitigating rural challenges
 - 3 : Crop, livestock, fisheries and forestry research and extension in attaining SDGs
 - 4 : Market development and socio-economic challenges
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Poster Presentations

Four Thematic Groups

- 1 : Means of sustainable agriculture: Organic Farming, food sovereignty, climate change, poverty alleviation
- 2 : Innovative practices for mitigating rural challenges
- 3 : Crop, livestock, fisheries and forestry research and extension in attaining SDGs
- 4 : Market development and socio-economic challenges

Plenary
Keynote presentations

Chair: Prof Dr M Abul Kashem; Vice-Chancellor, HSTU, Dinajpur

Co-chair: Prof Dr M Hammadur Rahman; DAEE, BAU

Rapporteurs: Ms Zannatun Nahar Mukta & Mr Debashis Roy, DAEE, BAU

Date and Time: 23 January 2020; 12.00-1.00 PM

Location: Orientation Ground, SAU

Lead paper- 1

Time: 12:00 – 12.30 PM

Name of the keynote speaker: Dr Karen A Vines, Assistant Professor, Virginia Tech, USA

Title of the paper: Meeting Rural Needs to Provide Sustainable Agriculture and Build Community Capacity through the Land Grant System and Cooperative Extension

Lead paper- 2

Time: 12:30 – 1.00 PM

Name of the keynote speaker: Prof Joon Kim, Seoul National University, Republic of Korea

Title of the paper: Asia-pacific Road to SDGS: *Visioneering the doughnut economics trilemma*

Parallel Technical Sessions- Day-1 (23 January 2020)
Technical Session:1(Location: Conference Room- 2ndFloor, Faculty of Fisheries, SAU)

Theme-1: Means of sustainable agriculture: organic farming, food sovereignty, climate change, poverty alleviation

Chair of the session:	Prof Dr M M Adhikary, Former Vice-chancellor, BCKV, West Bengal, India	
Co-chair:	Prof Dr M Golam Rabbani Akanda, PSTU	
Rapporteurs:	Dr M Fuad Mondol, SAU; Zannatun Nahar Mukta, DAEE, BAU	
Organizer:	Sourav Sarker, MS Student, DAEE, BAU	
Time:	2.00 to 3.30 PM (each presenter except the keynote speaker will get 10 min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
Dr M A Kashem	Changing human values and attitudes for quality education: Need for achieving SDGS (Keynote)	2.00-2.20
Dr M A Rahman	Role of credit in maize production and assessment of food security in a selected area of Bangladesh	2.20-2.32
Istiaq Nur Muhit	Linking rural solid waste management to SDGs: assessing waste management system of Nowly, Jashore	2.32-2.44
Faijul Islam	Perception of climate change and food insecurity of rice farmers of the southern part of Bangladesh	2.44-2.56
Anirban Kundu	An assessment of farmers' perception on the impact of climatic variation on subsistence agriculture – a case study in coastal plain of east Medinipur in West Bengal	2.56-3.08
Dr Sadika Hauqe	Use of information and communication technologies by the farmers of some selected areas under Gaibandha district	3.08- 3.20

Technical Session:2
(Location:Virtual Classroom-1; 1st Floor, Faculty of Agriculture)

Theme-2: Innovative practices for mitigating rural challenges

Chair of the session:	Dr Karen A Vines, verginia Tech, USA	
Co-chair:	Prof Dr M Golam Farouque, DAEE, BAU	
Rapporteurs:	Prof M Zamshed Alam, SAU, Dhaka; Iffat Ara Mahzabin, DAEE, BAU	
Organizer:	M Didarul Amin, DAEE, BAU	
Time:	2.00 to 3.32 PM (each presenter except the keynote speaker will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
Dr M A Mueyed	Sustainable agriculture and rural development: <i>Road to SDGs in relation to agricultural extension</i> (Keynote)	2.00-2.20
Dr Satabdi Das	Innovation in agricultural extension services: the role of digital green in mitigating rural agricultural challenges in India	2.20-2.32
Prof M Mamun-ur-Rashid	ICT in diffusion and adoption of climate smart agricultural practices for smallholder farmers in Patuakhali and Barguna district of Bangladesh	2.32-2.44
H Jahan Sonom	Vegetables production in vertical frame: a way to urban sustainability	2.44-2.56
Prof Dr M Bashir Ahmed	Participation of rural women in production and processing activities of Boro rice cultivation in Jessore district	2.56-3.08
Dr Md Safiqul Islam	Effect of electrolyzed oxidizing water on physico-chemical parameters of banana (<i>musasapientum</i>): variety-sabri	3.08-3.20
Jamil Ahmed	Effect of black and green tea waste powder on growth performance and serumbiochemical metabolites of broilers during heat-stress	3.20-3.32

Technical Session:3(Location: Conference Room- 2nd Floor, Faculty of Agriculture)

Theme-3: Crop, livestock, fisheries and forestry research and extension in attaining SDGs

Chair of the session:	Prof Joon Kim, National University, Republic of Korea	
Co-chair:	Dr M Samiul Ahsan Talucder, SAU, Sylhet	
Rapporteurs:	Dr M Masudur Rahman, SAU; Mst Sharmin Akhter, DAEE, BAU	
Organizer:	M Saifur Rahman, MS Student, DAEE, BAU	
Time:	2.00-3.30(each presenter will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
Rubayet Ara	Farmers' perception on fig (<i>ficuscarica</i>) cultivation in Kolaroa and Kaligonj upazilla of Satkhira	2.00-2.12
Parvez Chowdhury	Study of growth and productions of tilapia (<i>oreochromisniloticus</i>) on different population densities in monoculture	2.12-2.24
Dr Sarder Safiqul Islam	Effect of shrimp head meal in poultry ration on the growth performance of pullets	2.24-2.36
Pavel Ahmed	Is mango trunk borer becoming an invasive mango pest in Sylhet?	2.36-2.48
M Mehedi Hasan	<i>Arthroschistahilaralis</i> (walk.): new emerging pest of kadam saplinginSylhet,Bangladesh	2.48-3.00
Shishir Reza	Analyses of 'climate-jute' production in Khulna district	3.00-3.12
M R Islam	In Vitro Evaluation of Some Homeopathic Medicines Against Colletotrichum musae Causal Agent of Anthracnose of Banana	3.12-3.24

**Technical Session:4(Location: Agril Economics Conference Room- 3rdFloor,
Agriculture Faculty Building)**

Theme-4: Market development and socio-economic challenges

Chair of the session:	Prof Dr Abdul Halim, BAU	
Co-chair:	Dr Nepal C Dey	
Rapporteurs:	Dr Chandra Kanta Dash, SAU; Most Shamshia Kowsari, DAEE, BAU	
Organizer:	M Rayhan Sojib, MS Student, DAEE, BAU	
Time:	2.00-3.15 (each presenter will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
M G Rabbani	Characteristics of agricultural markets directory and their structure under Sunamganj district, Bangladesh	2.00-2.12
Md. Matiul Islam	Factors affecting rural-urban migration of agricultural laborers	2.12-2.24
Dr M Fuad Mondal	The value chain of fresh edible insect market in Bandarban, Bangladesh	2.24-2.36
Dr M Mahbulul Alam	Understanding the influences of forms of capital to rural farmers' use or continuance use of ICT: a case study from coastal Bangladesh	2.36-2.48
Fayjul Islam	Livelihood status of urban slum people in Sylhet city: a bottleneck for sustainable city	2.48-3.00
Tulika Podder	Cultural Backwardness, Insecure Educational Development and Primary Socialization of Charland Children on the Padma Riverine Habitat of Bangladesh	3.00-3.12

Technical Session: 5 (Location: Conference Room- 2nd Floor, Faculty of Fisheries, SAU)

Theme-1: Means of sustainable agriculture: organic farming, food sovereignty, climate change, poverty alleviation

Chair of the session:	Dr M A Mueeed, DG, DAE	
Co-chair:	Dr M Mamun-ur-Rashid, PSTU	
Rapporteurs:	Dr Sharifunnesa Moonmoon, SAU; Mr M Masud Rana, DAEE, BAU	
Organizer:	M Abu Nyeem, MS Student, DAEE, BAU	
Time:	4.00-5.30 (each presenter except the keynote speaker will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
Nepal C Dey	Climate change and increased uses of groundwater for different purposes in the northwest region: recommended policies for improving decision making (Keynote)	4.00-4.20
Md Omur Faruk	Common interest group farmers' awareness on climate change resilience strategies	4.20-4.32
MA Islam	Floating farming towards sustainable vegetable production in Haor areas: problems and prospects	4.32-4.44
Md Sadique Rahman	Factors affecting adoption of improved management practices of carp culture in Bangladesh	4.44-4.56
Samajit Pal	Production of vegetables as calorie supplement from homestead gardening at Ishurdi Upazilla	4.56-5.08
M A Farukh	Thunderstorm Morphology and Exploration of Lightning Casualties in Bangladesh	5.08-5.20

Technical Session: 6(Location: Virtual Classroom-1; 1st Floor, Faculty of Agriculture)

Theme-2: Innovative practices for mitigating rural challenges

Chair of the session:	Prof Dr M Bashir Ahmed, Khulna University	
Co-chair:	Prof Dr Mahmud Hossain Sumon	
Rapporteurs:	Nur-e-Shahrin Nurani, SAU, Dhaka; M Rubayet Al Ferdous Noman, HSTU, Dinajpur	
Organizer:	Habibur Rahman, MS Student, DAEE, BAU	
Time:	4.00-5.40 (each presenter will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
M H Khan Sujan	Contribution of mud crab fattening to the poverty alleviation of coastal marginalized people of Bangladesh	4.00-4.12
S Ali	Vermicompost production from different organic materials by earthworm (<i>eudriluseugeniae</i>)	4.12-4.24
Md Abdul Alim	Banana ripening practiced in Bogura district and development of safe ripening techniques for safe food marketing	4.24-4.36
Dr Sadika Hauque	Shift in land use from crop cultivation to mango farming in some selected areas of Dinajpur district	4.36-4.48
Dr MG Farouque	Has 'One House One Farm' Approach Improved the Livelihoods of Smallholder Farmers? A comparison between ethnic and non-ethnic communities in Bangladesh	4.48-5.00
M Nazrul Islam	Disaster coping strategies adapted by the people in south-western Bangladesh	5.00-5.12
Md Ebad Ali	Social development model (SDM): an extension system for agriculture and mass education	5.12-5.24
Md Rafat-Al-Foysal	Introduce Mustard in High Land for Development of Mustard-Fallow-T. Aman Pattern in Sylhet	5.24-5.36

Technical Session: 7 (Location: Conference Room- 2nd Floor, Faculty of Agriculture)

Theme-3: Crop, livestock, fisheries and forestry research and extension in attaining SDGs

Chair of the session:	Prof Dr M Rejaul Islam, Khulna University	
Co-chair:	Dr M Faruq Hasan, HSTU, Dinajpur	
Rapporteurs:	Dr M Shafi Ullah Bhuiyan, DAEE, BAU; Smita Dash Baishakhy, SAU, Sylhet	
Organizer:	M Oli Ahmed Ripon, MS Student, DAEE, BAU	
Time:	4.00-5.40(each presenter will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
Md Atikul Islam	Reducing phytoavailability of hexavalent chromium in soils by using hydrochars	4.00-4.12
Md Jewel Alam	Bio-efficacy of some bio-pesticides against maize aphid, <i>rhopalosiphium maidis</i> ; a threatening pest of maize	4.12-4.24
A G C Babu	An overview on implementing seed potato production system in Sri Lanka	4.24-4.36
Md. Abdul Malek	Image-based plant disease detection: an experience of Bangladesh	4.36-4.48
Dr M Ariful Islam	Dairy Farmer's Hygienic Milking Practices and Awareness on Milk-Borne Zoonoses in Baghabarighat Milk Shed Areas of Bangladesh	4.48-5.00
Dr QuaziForhadQuadir	Plant growth promoting rhizobacteria (PGPR): an effective tool to increase yield and nutrition quality of rice in a sustainable manner	5.00-5.12
Dr M Harun Rashid	Effect of zinc and boron fertilization on growth and yield of aus rice (cv. BRRI dhan48)	5.12-5.24
Md Amirul Islam	Effect of different soil conditions on settling period for mechanical rice transplanting	5.24-5.36

Technical Session: 8 (Location: Agril Economics Conference Room- 3rd Floor, Agriculture Faculty Building)

Theme-4: Market development and socio-economic challenges

Chair of the session:	Prof Dr Saiful Islam,SAU, Sylhet	
Co-chair:	Dr M Ataur Rahman, BAU	
Rapporteurs:	Dr Abdur Razzaque & Dr Mozammel Hoque, SAU, Sylhet	
Organizer:	Mahnur Khan Mukut, MS Student, DAEE, BAU	
Time:	4.00- 5-40 (each presenter will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
M G Rabbani	Productions, consumptions and exports of tea in different timeline of Bangladesh	4.00-4.12
Md Shaikh Farid	Competitive advantage and constraints associated with Duck farming in North Eastern region of Bangladesh	4.12-4.24
J K Saha	Economics of green leaf cultivation of small tea growers in selected areas of Panchagarh district	4.24-4.36
Nazira B Alam	Challenges of using of agricultural machineries by rural women in a coastal region of Bangladesh	4.36-4.48
M RAFNoman	Empowerment of women through participation in Uttara EPZ in Nilphamari district	4.48-5.00
S M Saha	Assessing demand and willingness to pay for safe broiler: Bangladesh perspective	5.00-5.12
Shammy Islam	Livelihood Challenges and Familial Survival Strategies of the Charland Children in Bangladesh	5.12-5.24
A B M Nurullah	Community Livelihood of Riverbank dwellers in Bangladesh	5.24-5.36

Poster Session- (23 January 2020)

Location: Orientation Ground, SAU

Evaluators of the posters	<ul style="list-style-type: none"> ▪ Professor Dr Md Golam Farouque (Chief of the Team) ▪ Prof Dr M Ashraful Islam, SAU, Sylhet ▪ Prof Dr M Ruhul Amin, Rajshahi University
Time	6.00-7.30 PM
Theme-1: Means of sustainable agriculture: organic farming, food sovereignty, climate change, poverty alleviation	
Name of the Presenter	Title of the work
Nusrat Zahan Liza	Access of Rural Women in Nutritional Programme of World Vision: A Comparative Study between World Vision Beneficiaries and Non-Beneficiaries
M Rana	Attitude of Farmers towards the Use of Chemical Pesticides in Vegetable Cultivation
S Sarker	Analysis of Safe and Shortest Cyclone Evacuation Route for Coastal Communities in Patuakhali: a GIS Approach
Md Rishad Abdullah	Education for sustainable development at secondary school level in Bangladesh
Susmita Sarmin	Farmers' knowledge on climate change in northern Bangladesh
Md Manik Ali	Farmers perception to climate smart potato varieties in northern region of Bangladesh
M R A F Noman	Information sources used by the farmers for climate change adaptation in northern Bangladesh
M A Islam	Adoption of conservation agriculture by the farmers in a selected area of Nabinagar upazila under Brahmanbaria district
Shakib Mahmud	Farmers' interest in good agricultural practices in selected areas in Sherpur district, Bangladesh
Md Sarwar Jahan Talukdar	Short time Trends and Comparison of Outdoor Thermal Comfort in Three Major Cities of Bangladesh
Theme-2: Innovative practices for mitigating rural challenges	
Anamica Chowdhury	Integrated Pest Management (IPM) Practice Through Solar Light Trap in TEA (<i>Camellia sinensis</i>) Garden
J Ferdous	Contributions of shade tree to improving the relative abundance of beneficial arthropod communities in tea estates of Sylhet
Mohammad Samiul Ahsan	Promising agar (<i>aquilariamalaccensis</i>) based agroforestry system for year-round production

Talucder	
N Sharmin	Measuring Carbon Footprint at Manufacturing Phase from Selected Textiles Industries in Gazipur City
Airin Gulshan	Water hyacinth: a renewable source of biofertilizer for sustainable agriculture
Theme-3: Crop, livestock, fisheries and forestry research and extension in attaining SDGs	
Homayra Siddika	Dietary Supplement of Glyceraldehyde Butyrate on Growth Performance and Carcass Quality of Broiler Chickens
MahmudaTahmina	Comparative efficacy of chemicals, entomopathogenic fungus and botanical pesticide for the management of red spider mite, <i>Tetranychusmacfarlanei</i> Baker & Pritchard
Tahmina Afroz	Study on Plant Biodiversity of <i>Ratargul</i> Swamp Forest in Bangladesh
Tareq Ahmed	Incidence of Different Citrus Diseases in Sylhet region
Md Khalid Hasan Tarek	Enhancement of productivity of local T. Aman rice cultivars through agronomic management
M N A Priya	Assessment of present seed quality status of farmers saved rice (<i>Oryza sativa</i> L.) seed in Bangladesh
Md Sazzad Hossain	Compatibility assessment of different tropical Sugarbeet cultivars in acidic soil
Shirin Akhter	Salinity stress on morphological and biochemical traits of rice genotypes with SalTol gene
Naima Sultana	Development of Molecular Markers for Detecting Alternaria Blight Resistant Oilseed Brassica Genotypes in Bangladesh
Khadija Akter	Genetic variation of some entomopathogenic fungi isolated from Bangladesh
Imran Hossain Sajib	Characterization of entomopathogenic fungi (EPF) isolated from Giant Litchi Stink Bug, <i>Tessaratomajavanica</i> (Hemiptera: <i>Tessaratomidae</i>)
Dr Md. Azharul Islam	Production and characterization of hydrochar from invasive plant for solid bioenergy
S Rahman	Productions, consumptions and exports of tea in different timeline of Bangladesh
Sahjahan Ali	A review of earthworm impact on soil
Md Shamim Akhter	Assessing the relationship between the depth of ground water with arsenic concentration in selected areas of Fakirhat and Gopalganj, Bangladesh
ABM Sohel Mahmud	Effectiveness of ICT enablers as perceived by the sub - assistant agriculture officers of department of Agricultural

	extension
Atia Shahin	Competencies of sub assistant agriculture officers in Dinajpur region of DAE
Dr Md Faruq Hasan	Women empowerment through participation in public and private sector agricultural extension services
A N M Arifur Rahman	Farmers' perception on adoption of reaper in the Haor region of Bangladesh
Sunanda Datta	Status of agroforestry practices in Golapganj upazila of Sylhet district
Liza Akter	Impact of Coal Mines on Water Quality of Receiving Streams in North-Eastern Wetland Ecosystems of Bangladesh
Kabir Ahsan	Training need of farmers on tilapia culture in selected areas of Mymensingh district
Mahfuza Akter	Livelihood changes of the power tiller owners
M Tahmina	Comparative efficacy of chemicals, entomopathogenic fungus and botanical pesticide for the management of red spider mite, Tetranychusmacfarlanei Baker & Pritchard
Julker Nain	Role of Research Extension Linkage in Dissemination of Salt Tolerant Rice Varieties in Bangladesh
N Nusrat	Performance of MoP on the yield of Boro rice in <i>Haor</i> areas
M. A. Khatun	Climate Change Induced Food Production Vulnerability in the Southern Bangladesh
Theme-4: Market development and socio-economic challenges	
Md Didarul Amin	Rice seed supply in Bangladesh: present status and challenges
Md Safiul Islam Afrad	Impact of Labor Migration on Rural Livelihood in Pakundia Upazila under Kishorgonj District
Farhana Yasmin	The condition and consequences of rural transformation in Bangladesh: a content analysis
Most. Mafuza Khatun	Flood vulnerability effect on livelihood of the farmers of Kurigram district
ShammeeAkter	Livelihood changes of the rural women due to working in fish processing plant
Imran Hossain	Problems faced by the sugarcane farmers at Lalpur Upazila of Natore district
Nur-E-Shahrin Nurani	Present socio-economic condition of char women under the intervention of Char Livelihood Program
A K Das	Problems Faced by the Hatchery Owners in Fish Fry Marketing in Selected Areas of Mymensingh District

Parallel Technical Sessions- Day-2 (24 January 2020)

Technical Session: 9 (Location: Conference Room- 2ndFloor, Faculty of Fisheries, SAU)

Theme-1: Means of sustainable agriculture: organic farming, food sovereignty, climate change, poverty alleviation

Chair of the session:	Prof Dr M Nazrul Islam, GTI, BAU	
Co-chair:	Prof Dr M Saiful Huda	
Rapporteurs:	Mst Iffat Ara Mahzabin & Mr M Masud Rana, DAEE, BAU	
Organizer:	M Mahbulul Islam Mokib, MS Student, DAEE, BAU	
Time:	9.00-11.00 (each presenter will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
MA Haque	The impact of climate change in the coastal areas of Bangladesh affected by cyclone bulbul	9.00-9.12
Fahim Hasan	Farmers' awareness and use of internet-based sources in receiving technological information	9.12-9.24
Chayan Kumer Saha	Scope of mechanical transplanting for sustainable rice production in the southern delta of Bangladesh	9.24-9.36
M Z Rashid	Impact of Climate Change on Rural Livelihood in a Coastal Area of Bangladesh	9.36-9.48
Susmita Sarmin	Food security status of farm households under government and non-government agricultural Extension services	9.48-10.00
M Rana	Extent of Use of Information and Communication Technologies by Young Entrepreneurs in Farm Management	10.00-10.12
Md Towfiqur Rahman	Present Mechanization of Regional Tea Processing and Grading System in Bangladesh	10.12-10.24
Sourav Sarker	Need for Capacity Development of the Haor People in Managing their Resources for their Livelihoods Improvement	10.24-10.36
Md Ruhul Amin	Smallholders' Food Security in the Perspective of Climate Change: Evidence from Farm Level Data in the Northwest HBT of Bangladesh	10.36-10.48
Shonia Sheheli	Need for Capacity Development of Farmers towards Efficient Use of Farm Machineries	10.48-11.00

Technical Session: 10(Location: Virtual Classroom-1; 1st Floor, Faculty of Agriculture)

Theme-2: Innovative practices for mitigating rural challenges

Chair of the session:	Prof Dr M A Momen Miah, DAEE, BAU	
Co-chair:	Prof Dr M Ashraful Islam, SAU, Sylhet	
Rapporteurs:	Dr M Sazzad Hossain, SAU, Sylhet; Mst Sharmin Akter, DAEE, BAU	
Organizer:	M Mehedi Hasan Jony, MS Student, DAEE, BAU	
Time:	9.00-11.00 (each presenter will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
Mohammad Afzal Hossain	Hermetic bag: a farmer's friendly paddy storage technology in Bangladesh	9.00-9.12
Syeda Nusrat Jahan	Development of preventive measures against insect infestation in dried fish	9.12-9.24
M M Hossain	Cage culture of <i>mystusgulio</i> (hamilton, 1822): towards a technical solution to utilize salinity affected areas in Bangladesh coast	9.24-9.36
M Hamidul Islam	Smart poultry farm in-house environment monitoring and management system	9.36-9.48
M Ashraful Islam	Safe ripening technology development to ripen mango	9.48-10.00
M M Rahman	Model Demonstration for Rapid Dissemination of Agricultural Technology	10.00-10.12
Md Ruhul Amin Sarker	Development and release of salt tolerant Boro rice variety BRRI dhan67 for southern coastal saline zone of Bangladesh	10.12-10.24
Md Rahamot Ali	Extension of Sandbar Cropping System: Present Status, Implications in Labour Utilization, Migration and Food Security in Char Land	10.24-10.36
M Abul Kashem	Improvement of Farm Productivity Through Use of Integrated Farming Technologies in Haor Areas of Bangladesh	10.36- 10.48
M L H Khan	Common Interest Group – Searching for an Effective Agricultural Extension Approach	10.48-11.00

Technical Session: 11 (Location: Conference Room- 2nd Floor, Faculty of Agriculture)

Theme-3: Crop, livestock, fisheries and forestry research and extension in attaining SDGs

Chair of the session:	Prof Dr M Abul Kashem, SAU	
Co-chair:	Prof Dr Fahmida Chowdhury, Rajshahi University	
Rapporteurs:	Dr M Monirul Islam, SAU, Sylhet; Mr M Nur Alom Sarker Mithun, DAEE, BAU	
Organizer:	M Rayhan Sojib, MS Student, DAEE, BAU	
Time:	9.00 -11.15 (each presenter will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
SChandra Chanda	Problem and prospect of high value vegetables cultivation and determination of cost analysis	9.00-9.12
S M Ashik Un Nur	Preference of communication sources use by the maize farmers in Lalmonirhat district	9.12-9.24
Md. Faruq Hasan	Effectiveness of ICT enablers used by the farmers in agricultural activities	9.24-9.36
M Sharaf Uddin	Status of agronomic practices of agar plantation in Moulvibazar district	9.36-9.48
M S I Afrad	Adoption of spices technologies by the growers in Shibganj Upazila of Bogura district	9.48-10.00
Samajit Pal	Case study of nine chewing cane (BSRI AKH 42) farmers	10.00-10.12
M M Sultana	Efficacy of vermicompost and conventional compost on Chilli cultivation through IPNS basis	10.12-10.24
Shamima Nasrin	Performacne of some tomato varieties against <i>helicover paarmigera</i> (hub.)	10.24-10.36
M Sharaf Uddin	Plant species diversity at Kamalganj Upazila of Moulvibazar district in Bangladesh	10.36- 10.48
Kazi Kamrul Islam	Forestland concession, land rights and livelihood of ethnic minorities: evidence from the Sal forest of Bangladesh	10.48-11.00
Saifur Rahman	Farmers' satisfaction with agricultural extension services provided by the Upazila agriculture office	11.00-11.12

Technical Session: 12 (Location: Agril Economics Conference Room- 3rdFloor, Agriculture Faculty Building)

Theme-3: Crop, livestock, fisheries and forestry research and extension in attaining SDGs

Chair of the session:	Dr Samajit Pal, BSRI, Pabna	
Co-chair:	Prof Dr M Mahbulul Alam, SAU, Dhaka	
Rapporteurs:	Dr Mozammel Hoque, SAU, Sylhet; Fahmida Husain Choudhury, SAU	
Organizer:	M Saifur Rahman, MS Student, DAEE, BAU	
Time:	9.00-11.15 (each presenter will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
Zakia Sultana	Effect of salinity on seed germination of cashew nut (<i>anacardiumoccidentale</i> l.)	9.00-9.12
A H M Roknuzzaman	Host dependent demographic parameters of spider mite <i>Oligonychusbiharensis</i> (Hirst) on two bean species	9.12-9.24
Rumpa Basak	Effectiveness of different chemicals, entomopathogenic fungus and botanical for the management of two spotted spider mite (TSSM), Tetranychusurticae Koch	9.24-9.36
Jasim Uddin	Yield and nutritive values of hilly climate resilient forage <i>Tripsacum andersonii</i> and comparison with <i>Pennisetum perpurium</i> for strengthening of livestock production	9.36-9.48
Afia Ali Ayesha	Agromorphological Characters, Growth and Yield Performance of Glutinous and Aromatic rice Cultivars in Sylhet	9.48-10.00
R Sharmin Ripa	Optimization of embryo rescue response in interspecific crosses of oilseed Brassica species	10.00-10.12
Mafruha Afroz	Differential colonization of <i>Solanum sisymbriifolium</i> by <i>Ralstonia solanacearum</i> strains	10.12-10.24
Dr M A Maleque	Evaluation of promising exotic okra genotypes to select breeding materials for developing pest resistant high yielding okra variety	10.24-10.36
Pijush Kanti Ghosh	Present status of livestock and forage production in south west coastal Bangladesh	10.36- 10.48
Dr M H Sumon	Phytoremediation of arsenic by flowering plants zinnia and sylvia	10.48-11.00
M A Sayeed Bhuyian	Potentials and challenges of using information and communication technologies by the secondary school teacher	11.00- 11.12

Technical Session:13(Location: Conference Room, Ground Floor, Agriculture Faculty)

Theme-3: Crop, livestock, fisheries and forestry research and extension in attaining SDGs

Chair of the session:	Prof Dr M Noor Hossain Miah, SAU, Sylhet	
Co-chair:	Prof Dr Quazi Forhad Quadir, BAU	
Rapporteurs:	M Abdul Aziz, SAU; Dr M Shahadat Hossain, SAU	
Organizer:	M Shaggadul Islam Sobuj, MS Student, DAEE, BAU	
Time:	9.00-11.15 (each presenter will get ten min. for presentation and two min. for discussion)	
Oral Presentations		
Name of the Presenter	Title of the work	Time (PM)
Mohammad Shahadat Hossain	Integrated approach of sustainable livelihood for rural development in Haor regions of Bangladesh	9.00-9.12
Farhana Yeasmin	Access of women to household and farm resources for improvement of livelihood in a Haor area	9.12-9.24
M M Hossain	Empowerment of Poor Women through Training on Income Generating Activities of the Department of Women Affairs	9.24-9.36
Md Suzan Khan	Growth performance, survivability, productivity and profit analysis of monosex tilapia (<i>oreochromisniloticus</i>) in different stocking density under floating cage culture system in a lotic habitat	9.36-9.48
Md S Rahman	Effect of feeding a novel additive mixture of local origin on older hen performance	9.48-10.00
B Karmakar	Adaptation of Promising Rice Genotypes for Transplant Aus Season	10.00-10.12
M S Kowsari	Effect of transformation of cropland into tea garden in a selected area of Panchagarh district	10.12-10.24
Nazmin Akter	Assessment of processing and nutritional quality of potato genotypes in Bangladesh	10.24-10.36
Md Zillur Rahman	Nitrogen management in wheat cultivation using spad-502 chlorophyll meter	10.36- 10.48
Ahasan Ullah Khan	Varietal Performances of country beans against insect pests in bean agro ecosystem	10.48-11.00
Sonia Binte Shahid	Introgression of bacterial leaf blight resistance gene xa5 into salt tolerant ricevariety Binadhan-10	11.00- 11.12

