

Annual Research Review Workshop

Program Date : 17 September, 2018 (Monday)
Venue : SAU Auditorium, Sylhet
Registration : **1:00 pm to 2:00 pm (SAURES, Room No-210, 211)**
Inaugural Session : **Recitation from the Holy Quran**
2:30 pm to 3:15 pm : **Welcome address and objectives of the Research Review Workshop**
 Professor Dr. Nirmal Chandra Roy, Associate Director (Research)
Address by the Special Guest
 Mr. Sirajul Hoque, Head, Animal Health Division, Renata BD Ltd.
 Dr. F H Ansarey, Managing Director & CEO, ACI Agribusiness
 Dr. Md. Kabir Ikramul Haque, Executive Chairman , Bangladesh Agricultural Research Council
Chief Patron
 Professor Dr. M. Golam Shahi Alam, Vice-Chancellor, Sylhet Agricultural university
Chief Guest
 Professor Dr. Mesbahuddin Ahmed, Chairman, Accreditation Council of Bangladesh, Fellow and Secretary, Bangladesh Academy of Sciences (BAS)
 Inauguration of Annual Research Review Workshop of SAURES
Chairperson
 Professor Dr. A.F.M. Saiful Islam, Director (Research), SAU, Sylhet

Technical Session – I

Chairperson : Professor Dr. Matiar Rahman Howlader, Dept. of Physiology
Moderator : Professor Dr. Suman Paul, Dept. of Epidemiology and Public Health
Rapporteur : Dr. Md. Mahfujur Rahman, Associate Professor, Dept. of Medicine

Venue: Veterinary, Animal and Biomedical Sciences Faculty Conference Hall, Sylhet
Date and Time : 17.09.2018, 03:30 pm to 06:50 pm

Sl	Title of the Project	Name of the PI with Department	Time Allocation (10 minutes)	Sources of fund
01	Serosurvey of Q fever (<i>Coxiella burnetii</i> infection) in Sylhet dairy cattle for the development of adoptive targeted surveillance and sustainable control system.	Dr. Suman Paul Associate Professor Dept. of Epidemiology and Public Health	03:30-03:40	Ministry of Education (2015-19)
02	Livelihood improvement through promotion of dairy and milk market access to poor farmers in haor areas of Bangladesh	Dr. Md. Abdul Baset Professor Dept. of Livestock Production and Management	03:40-03:50	BAS-USDA (2017-19)
03	Enteric methane emissions from dairy cows using in-vitro technique	Dr. Md. Abdul Baset Professor Dept. of Livestock Production and Management	03:50-04:00	UGC Revised (2016-17)
04	Solid State Fermentation: A Bio-technological approach for Bio-conservation and Nutritional improvement of Crop residues for Ruminant	Dr. Md. Jasim Uddin Professor Department of Animal Nutrition	04:00-04:10	BAS-USDA (2017-19)
05	Adaptation and Conservation of Hilly resilient forage (<i>Tripsacum andersonii</i>) for climate strengthening of livestock in Sylhet	Dr. Md. Jasim Uddin Professor Department of Animal Nutrition	04:10-04:20	UGC Fund (2016-17)
06	An investigation on profitability and performance of ducks through disease control and feed supplementation strategies in smallholder duck production in haor area of Sylhet	Dr. Mohammad Yousuf Miah Professor Department of Poultry Science	04:20-04:30	BANBEIS (2016-18)
07	Identification of causes of calf mortality in buffalo and their mitigation measures in Bangladesh	Dr. Md. Masudur Rahman Professor Dept. of Pathology	04:30-04:40	BARC, NATP-2 (2017-18)
08	Isolation and identification of multi-drug resistant ESBL-producing <i>Escherichia coli</i> from chicken meat at Sylhet division of Bangladesh	Dr. Md. Masudur Rahman Professor Dept. of Pathology	04:40-04:50	UGC Fund (2016-17)
09	Characterization of <i>Mycoplasma gallisepticum</i> isolates from Bangladesh and their use in production of diagnostic antigen and development of vaccine candidate	Dr. Monira Noor Associate Professor Dept. of Pathology	04:50-05:00	BARC, NATP-2 (2017-18)

10	Effect of dietary supplementation of bacteriophage on egg performance, excreta microflora and moisture content in laying hens	Dr. Monira nor Associate Professor Department of Pathology	05:00-05:10	UGC (2017-18)
11	Dietary supplementation of tea by-products on growth performance and physiological parameters in calves	Dr. Md. Mahfujur Rahman Associate Professor Department of Medicine	05:10-05:20	UGC Fund (2016-17)
12	Effects of tea by-products on growth performance and physiological parameters in goats	Dr. Md. Mahfujur Rahman Associate Professor Department of Medicine	05:20-05:30	UGC (2017-18)
13	Effects of thawing rates on quality and fertilizing capability of frozen bull sperm and its subsequent impact on conception rate in artificially inseminated dairy cows.	Dr. Md. Bashir Uddin Assistant Professor Department of Medicine	05:30-05:40	UGC Revised (2016-17)
14	Hydroponic Fodder Production An alternative technology for sustainable dairy production against hampering climate change	DR. Md. Nazmul Hossain Lecturer Dept. of Livestock Production and Management	05:40-05:50	UGC Revised (2016-17)
15	Prevalence of Salmonella infection in cattle and buffalo and sensitivities to antibiotics in Sylhet	Dr. Md. Mukter Hossain Professor Department of Medicine	05:50-06:00	UGC (2017-18)
16	Identifying prospects and problems of artificial insemination in three varieties of native chickens (<i>Gallus domesticus</i>) Morphological and physiological perspectives	Dr. Muhammad Nazrul Islam Professor Department of Anatomy & Histology	06:00-06:10	UGC (2017-18)
17	Characterization and Conservation of Different Native Chicken Genetic resources in Bangladesh	Dr. Md. Nazmul Haque Professor Dept. of Genetics & Animal Breeding	06:10-06:20	UGC (2017-18)
18	Anti-diabetogenic effects of <i>Gymnema sylvestre</i> leaves extract on streptozotocin induced experimental diabetic rats.	Dr. Md. Siddiqui Islam Professor Dept. of Pharmacology and Toxicology	06:20-06:30	UGC (2017-18)
19	Optimization of artificial insemination in goat by evaluating post-insemination sperm survival in oviduct	Dr. Mohammad Atikuzzaman Professor Department of Surgery and Theriogenology	06:30-06:40	UGC (2017-18)
20	Occurrence and control measures of buffalo calf mortality due to <i>Neoscaris vitulorum</i> infection at Sylhet region of Bangladesh	Dr. Kazi Mehetazul Islam Professor Department of Parasitology	06:40-06:50	UGC (2017-18)

Technical Session – II

Chairperson : Professor Dr. Mohammad Noor Hossain Miah, Dept. of Agronomy and Haor Agriculture

Moderator : Professor Dr. M. Asad-ud- doullah, Dept. of Plant Pathology & Seed Science

Rapporteur : Dr. M. Shafi Ullah Bhuiyan, Associate Professor, Dept. of Genetics and Plant Breeding

Venue: Agriculture Faculty Conference Hall, Sylhet
Date and Time : 17.09.2018, 03:30 pm to 07:30 pm

Sl	Title of the Project	Name of the PI with Department	Time Allocation (10 minutes)	Source of fund
21	Survey on Baseline Condition and Competitiveness of Agricultural Produces in the Sylhet Region and Upgrade Market Directory of Sylhet and Chittagong Division	Dr. Md. Abul Kashem Professor Department of Soil Science	03:30-03:40	DAM (2015-19)
22	Farm productivity improvement in haor areas through integrated farming system approach	Dr. Md. Abul Kashem Professor Department of Soil Science	03:40-03:50	KGF (2015-18)
23	Growth and Productivity Assessment of Agar Plant (<i>Aquilaria malaccensis</i> Roxb.) through Management Practices	Dr. Md. Abul Kashem Professor Department of Soil Science	03:50-04:00	BARC, NATP-2 (2017-18)

24	Collection and Characterization of Local Rice Cultivar of Northeast Region of Bangladesh (Sylhet) with Respect to Morphological and Molecular Characteristics	Dr. Md. Nazrul Islam Associate Professor Dept of Agronomy and Haor Agriculture	04:00-04:10	BAS-USDA (2017-19)
25	Collection, Evaluation, Characterization and Establishment of Citrus Germplasms Center by utilization of tilas of Sylhet Agricultural University	Dr. Md. Nazrul Islam Associate Professor Dept of Agronomy and Haor Agriculture	04:10-04:20	BANBEIS (2016-18)
26	Status of insect biodiversity and ecosystem functions in tea estates of the Sylhet Region	Dr. Md. Abdul Maleque Associate Professor Department of Entomology	04:20-04:30	BARC, NATP-2 (2017-18)
27	Documenting the occurrence of insect and mite pest species on sweet pepper at open and barrier fields in Sylhet region	Dr. Md. Abdul Maleque Associate Professor Department of Entomology	04:30-04:40	UGC Revised (2016-17)
28	Productivity Enhancement of Promising Vegetable Varieties during Winter and Summer in Sylhet Region	Dr. Shahidul Islam Professor Dept of Horticulture	04:40-04:50	BARC, NATP-2 (2017-18)
29	Development of gladiolus production technology for sylhet region	Dr. Md. Shahidul Islam Professor Dept of Horticulture	04:50-05:00	UGC (2017-18)
30	Vertical farming: The future solutions for organic vegetables production in urban area	Dr. Md. Fuad Mondal Assistant Professor Department of Entomology	05:00-05:10	BARC, NATP-2 (2017-18)
31	Insect as a food: Bangladesh Perspectives	Dr. Md. Fuad Mondal Assistant Professor Department of Entomology	05:10-05:20	UGC (2017-18)
32	Evaluation of tree-crop interaction from existing agroforestry systems in Sylhet region for food security by the lens of climate-smart agriculture framework	Mohammad Samiul Ahsan Talucder Associate Professor Dept. of Agroforestry and Environmental Science	05:20-05:30	BARC, NATP-2 (2017-18)
33	Innovation of flashflood coping promising rice technology for haor area through participatory approach	Dr. Mohammad Ashrafal Islam Professor Department of Agricultural Extension Education	05:30-05:40	BARC, NATP-2 (2017-18)
34	Farmers Participatory Validation and Dissemination of floating culture as a manage of Vegetable Production in Haor Area	Dr. Mohammad Ashrafal Islam Professor Department of Agricultural Extension Education	05:40-05:50	UGC Fund (2016-17)
35	Development of Diseased Plant Specimen Herbarium at Sylhet Agricultural University	Dr. Md. Monirul Islam Associate Professor Dept. Plant Pathology & Seed Science	05:50-06:00	UGC Revised (2016-17)
36	Selection of superior sweetpotato genotypes based on better nutritional quality and higher yield.	Sharifunnessa Moonmoon Assistant Professor Dept. of Crop Botany and Tea Production Technology	06:00-06:10	UGC Revised (2016-17)
37	An efficient <i>in vitro</i> plant regeneration of wild eggplant (<i>Solanum sisymbriifolium</i>) in order to produce large number of rootstocks for minimizing fungal, bacterial and nemic wilt diseases in tomato and eggplant production	Dr. M. Shafi Ullah Bhuiyan Associate Professor Dept. of Genetics & Plant Breeding	06:10-06:20	UGC (2017-18)
38	Alkaloids impact on pollinator behavior and ecology	Kamrul Hassan Assistant professor Department of Entomology	06:20-06:30	UGC (2017-18)
39	Development of Plant Anatomy Laboratory at Crop Botany and Tea Production Technology Department to conduct anatomical researches	Md. Mehedi Hasan Assistant Professor Dept. of Crop Botany and Tea Production Technology	06:30-06:40	UGC (2017-18)
40	Screening of wheat varieties for resistance against blast disease of wheat	Dr. A.H.M.Mahfuzul Haque Associate Professor Dept. Plant Pathology & Seed Science	06:40-06:50	UGC (2017-18)
41	Bio-rational Insecticides for Sustainable and Economic Management of Brinjal Shoot and Fruit Borer (<i>Leucinodes orbonalis</i> Guen.)	Md. Abdur Razzak Choudhury Assistant Professor Department of Entomology	06:50-07:00	UGC (2017-18)
42	Up-gradation of diagnostic facilities of Plant Pathology Laboratory of Sylhet Agricultural University	Dr. Abdul Muqit Professor Dept. Plant Pathology & Seed Science	07:00-07:10	UGC (2017-18)

43	Establishment and Management of Nursery for the Department of Agroforestry and Environmental Science at Sylhet Agricultural University	Dr. Md. Sharaf Uddin Associate Professor Dept. of Agroforestry and Environmental Science	07:10-07:20	UGC (2017-18)
44	Effect of agronomic management practices on the enhancement of productivity of local fine and aromatic T. Aman rice cultivars of Sylhet region	Dr. Mrityunjoy Biswas Professor Department of Agronomy and Haor	07:20-07:30	UGC (2017-18)

Technical Session – III

Chairperson : Professor Dr. Md. Shahab Uddin, Dept. of Aquaculture
Moderator : Professor Dr. Md. Shahidul Islam, Dept. of Coastal and Marine Fisheries
Rapporteur : Sohel Mia, Associate Professor, Dept. of Fish Biology and Genetics

Venue: Fisheries Faculty Conference Hall, Sylhet
Date and Time : 17.09.2018, 03:30 pm to 06:30 pm

Sl	Title of the Project	Name of the PI with Department	Time Allocation (10 minutes)	Source of fund
45	Potentials of modernization in fisheries sector of Bangladesh: Study on the peoples' profile, technologies and policies	Dr. Md. Tariqul Alam Professor Department of Aquaculture	03:30-03:40	BARC, NATP-2 (2017-18)
46	Bacteriological and chemical analysis of Indian Major carps of Hakaluki haor in Sylhet region	Dr. Md. Motaher Hossain Associate Professor Dept. of Fisheries Technology and Quality Control	03:40-03:50	BANBEIS (2016-18)
47	Production and Productivity improvement of Haor flood plain Fisheries for upliftment of fishers Livelihood	Dr. Nirmal Chandra Roy Associate Professor Dept. of Fish Biology and Genetics	03:50-04:00	BARC, NATP-2 (2017-18)
48	Development of Quality Value Added Fish Products and Utilization of By-products	Dr. Md. Abu Sayeed Professor Fisheries Technology and Quality Control	04:00-04:10	BARC, NATP-2 (2017-18)
49	Quality Status of Dried Fish in Sylhet Sadar Upazila	Dr. Md. Abu Sayeed Professor Dept. of Fisheries Technology and Quality Control	04:10-04:20	UGC Revised (2016-17)
50	Service to produce participatory case study in support of the implementation of the SSF Guidelines on: The enabling environment for supporting implementation of SSF guidelines for disaster risk reduction in Bangladesh	Dr. Mohammed Mahmudul Islam Assistant Professor Department of Coastal and Marine Fisheries	04:20-04:30	FAO United Nations
51	Trophic level, stomach content analysis and reproductive potential of <i>Mystus bleekeri</i> (Day, 1877), a commercially important catfish of Bangladesh	Dr. Sabuj Kanti Mazumder Associate Professor Department of Aquatic Resource Management	04:30-04:40	UGC Revised (2016-17)
52	Impact of probiotics application on growth and health performances of commercially cultured silurid catfish	Dr. Md. Sakhawat Hossain Associate Professor Department of Aquaculture	04:40-04:50	UGC Revised (2016-17)
53	PCR and histopathology based diagnosis and optimization of dosage of aqua-drugs to control diseases in Tilapia and Thai Pangas	Dr. M. M. Mahub Alam Assistant Professor Department of Fish Health Management	04:50-05:00	UGC (2017-18)
54	Status of Aquarium Fisheries in Sylhet Division	Dr. Md. Shahab Uddin Professor Department of Aquaculture	05:00-05:10	UGC (2017-18)
55	Present status of fish diseases and their impacts on different freshwater aquacultural farms in Sylhet division	Sayed Mashequl Bari Assistant Professor Department of Fish Health Management	05:10-05:20	UGC (2017-18)

56	Floating bed fodder cultivation in submerged and flooded areas in Sylhet District: A tool for climate resilient livestock production	Dr. Mohammad Mehedi Hasan Khan Professor Dept. of Biochemistry and Chemistry	05:20-05:30	BARC, NATP-2 (2017-18)
57	Production of industrially important cellulose enzyme through the isolation of cellulolytic bacterial and fungal isolates from rumen environment : An approach to control environmental pollution from cellulosic waste materials	Dr. Mohammad Mehedi Hasan Khan Professor Dept. of Biochemistry and Chemistry	05:30-05:40	UGC Fund (2016-17)
58	Nutritional and Antimicrobial Evaluation of industrially important seaweeds from Bay of Bengal	Mahmudul Hasan Lecturer Dept. of Pharmaceuticals and Industrial Biotechnology	05:40-05:50	UGC Revised (2016-17)
59	Screening of antimicrobial activity of some important medicinal plants collected from Sylhet region of Bangladesh.	Parsha Shanzana Lecturer Molecular Biology & Genetic Engineering	05:50-06:00	UGC Revised (2016-17)
60	Green tea waste as a source of protein for ruminants	DR. Mohammed Rashed Chowdhury Assistant Professor Dept. of Biochemistry and Chemistry	06:00-06:10	UGC (2017-18)
61	Breeding for abiotic stress (submergence) resistant rice varieties through rapid screening and DNA maker assisted selection	Shamsunnahar Mukta Lecturer Department of Plant and Environmental Biotechnology	06:10-06:20	UGC (2017-18)
62	Isolation and characterization of arsenic resistant bacteria from arsenic affected groundwater in Bangladesh and assessment of its bioremediation potential.	Mahmuda Akter Moli Lecturer Department Pharmaceuticals and Industrial Biotechnology	06:20-06:30	UGC (2017-18)

Technical Session – IV

Chairperson : Professor Dr. Jiban Krishna Saha, Dept. of Agricultural Finance and Banking
Moderator : Professor Dr. Sanjida Parveen Ritu, Dept. of Irrigation & Water Management
Rapporteur : Mr. Md. Mostafizur Rahman, Assistant Professor
 Dept. of Agricultural Marketing and Business Management

Venue: Agricultural Economics and Business Studies Faculty Conference Hall, Sylhet
Date and Time : 17.09.2018, 03:30 pm to 06:20 pm

Sl	Title of the Project	Name of the PI with Department	Time Allocation (10 minutes)	Source of fund
63	Agricultural Practices and Livelihood Patterns of Selected Tribal Communities in Bangladesh	Dr. Jasim Uddin Ahmed Professor Dept. of Agri. Economics and Policy	03:30-03:40	BARC, NATP-2 (2017-18)
64	Food security and dietary diversity analysis of marginalized tea workers in Sylhet region of Bangladesh	Dr. Jasim Uddin Ahmed Professor Dept. of Agri. Economics and Policy	03:40-03:50	UGC Revised (2016-17)
65	Technical, allocative and Economic Efficiency of Citron (Jara Lebu) cultivation in some selected areas of Sylhet district.	Dr. Jiban Krishna Saha Professor Dept. of Agricultural Finance & Banking	03:50-04:00	UGC Revised (2016-17)
66	Factors affecting on Agricultural production in Hakaloki Haor of Bangladesh	Masud Alam Assistant Professor Dept. of Agricultural Statistics	04:00-04:10	UGC Revised (2016-17)
67	Economics of Groundnut Cultivation in Some Selected Char Areas of Modhumati River of Narail District.	Subrata Koiry Lecturer Dept. of Agril. Finance and Banking	04:10-04:20	UGC (2017-18)
68	Poverty and Livelihood Diversification of Fishing Community in Dekhar Haor of Sunamganj District, Bangladesh	Md. Nur Mozahid Lecturer Dept. of Agricultural Economics and Policy	04:20-04:30	UGC (2017-18)
69	Causes and consequences of being child laborer: a study in Sylhet city	Md. Abdul Ahad Lecturer Dept. of Agri. and Rural Development	04:30-04:40	UGC (2017-18)

70	A Socio economic Study on Slum Areas of Sylhet City Corporation: Food Security and Migration Perspective	Md. Sherf-UI-Alam Lecturer Dept. of Agri. Economics and Policy	04:40-04:50	UGC (2017-18)
71	Development of a Sustainable agricultural risk management technology in areas affected by flash flood using numerical climate modeling data analysis	Dr. Md. Altaf Hossain Associate Professor Dept. of Farm Structure	04:50-05:00	BARC, NATP-2 (2017-18)
72	Develop a hydro geological framework and a sustainable crop establishment period for haor areas of Bangladesh	Dr. Sanjida Parveen Ritu Associate Professor Dept. of Irrigation & Water Management	05:00-05:10	BARC, NATP-2 (2017-18)
73	Mathematical Model to Simulate Branch Canker and Thorny Stem Blight of Tea Disease Dynamics in Bangladesh.	Md. Khalid Hossen Assistant Professor Dept. of Computer Science & Engineering	05:10-05:20	UGC Revised (2016-17)
74	Design a low-cost water treatment plant to enhance potable water supply system in sylhet agricultural university campus.	Md. Abdur Rashid Sarker Assistant Professor Dept. of Agri. Construction and Environ. Engineering	05:20-05:30	UGC Revised (2016-17)
75	An investigation on failure of submersible embankment at the Hoar area	Fahmida Ishaque Assistand Professor Dept. of Agri. Construction and Environ. Engineering	05:30-05:40	UGC (2017-18)
76	Re-use of Municipal Wastewater to Agriculture using Low-cost Material	Md. Suruj Mia Assistant Professor Dept. of Irrigation and Water Management	05:40-05:50	UGC (2017-18)
77	Design and Development of a Mobile Application for SAU on the Android platform	Pranajit Kumar Das Assistant Professor Dept. of Computer Science & Engineering	05:50-06:00	UGC (2017-18)
78	Development of an android application for SAU diary	Hira Lal Gope Assistant Professor Dept. of Computer Science & Engineering	06:00-06:10	UGC (2017-18)
79	Determination of Hydro-geological Properties for Upper Soil Layer Regarding Irrigation design and Groundwater Recharge in Sylhet region	Ajoy Kumar Saha Assistant Professor Dept. of Irrigation & Water Management	06:10-06:20	UGC (2017-18)

Concluding Session: 07:30 pm to 08:00 pm

Venue: Agriculture Faculty Conference Hall, Sylhet

Chief Guest : Professor Dr. M. Golam Shahi Alam, Vice-Chancellor, Sylhet Agricultural University, Sylhet

Chairperson : Professor Dr. A.F.M.Saiful Islam, Director (Research)

Moderator : Professor Dr. Nirmal Chandra Roy, Associate Director (Research)

Presentation of the Rapporteur reports of all sessions

General Discussion: Open discussion about the Workshop and suggestions for the future