



Annual Workshop on  
**BAU RESEARCH PROGRESS**  
2015–2016

**13–14 May 2017**



**Bangladesh Agricultural University Research System (BAURES)**  
**Bangladesh Agricultural University, Mymensingh**

**Annual Workshop on**  
**BAU RESEARCH PROGRESS 2015–2016**  
 Workshop Programme: 13–14 May 2017  
 Venue and Time Schedule for Technical Sessions

**Technical Session 1: Veterinary Science**

Chairperson : Prof. Dr. Mahbub Mostofa, Dept. of Pharmacology  
 Co-Chairperson: Prof. Dr. A.S. Mahfuzul Bari, Dept. of Pathology  
                   Prof. Dr. Md. Rafiqul Islam, Dept. of Pathology  
 Organizer : Prof. Dr. Md. Mokbul Hossain, Dept. of Pathology  
 Rapporteurs : Prof. Dr. Md. Rafiqul Alam, Dept. of Surgery and Obstetrics  
                   Prof. Dr. Sukumar Saha, Dept. of Microbiology & Hygiene  
                   Prof. Dr. Shonkor Kumar Das, Dept. of Anatomy & Histology

**Venue : Veterinary Science Faculty Conference Room**

**Date and Time : 13–05–2017, 2:30 pm to 5:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
1	Industrial pollution may induces reproductive toxicity in Black Bengal goats ( <i>Capra hircus</i> ) in the industrial prone areas of Gazipur district in Bangladesh.	Prof. Dr. Md. Abdul Awal Dept. of Anatomy & Histology	BAU
2	Evaluation of toxic effects of formalin mixed feed intake on the central nervous system of mouse	Prof. Dr. Moh. Rafiqul Islam Dept. of Anatomy and Histology	BAU
3	Contraceptive effects of hibiscus rosasinensis in Ewiss albino mice: An in vivo study	Prof. Dr. Shonkor Kumar Das Dept. of Anatomy and Histology	BAU
4	Investigation on livestock diseases and development of appropriate control measures in hilly area	Prof. Dr. Shonkor Kumar Das Dept. of Anatomy and Histology	KGF
5	Molecular epidemiology of <i>Rhodococcus equi</i> in Bangladesh	Prof. Dr. Md. Tanvir Rahman Dept. of Microbiology and Hygiene	AU-GC
6	Prevalence study, isolation, molecular detection and antimicrobial resistant pattern of shiga-toxin producing <i>Escherichia coli</i> from chicken and duck by multiplex PCR and PFGE	Prof. Dr. Marzia Rahman Dept. of Microbiology and Hygiene	BAU
7	Isolation and characterization of causal agents of duck diseases from recent outbreak areas of Bangladesh	Prof. Dr. Muh. Tofazzal Hossain Dept. of Microbiology and Hygiene	BAU
8	Isolation and molecular characterization of <i>Aspergillus flavus</i> (aflatoxin producer) from chick	Prof. Dr. K.H.M. Nazmul Hussain Nazir Dept. of Microbiology and Hygiene	BAU
9	Molecular characterization of a B anthracis isolated from the field cases of Bangladesh and selection of vaccine candidates	Prof. Dr. K.H.M. Nazmul Hussain Nazir Dept. of Microbiology and Hygiene	BARC
10	An epidemiological investigation of <i>Campylobacter</i> in Bangladesh Agricultural University dairy farm	Prof. Dr. S.M. Lutful Kabir Dept. of Microbiology and Hygiene	BAU
11	Analysis of heavy metals and food borne pathogens in food samples-II	Prof. Dr. S.M. Lutful Kabir Dept. of Microbiology and Hygiene	FAO
12	Development of a low cost probiotic formulation for the production of organic poultry in Bangladesh	Prof. Dr. S.M. Lutful Kabir Dept. of Microbiology and Hygiene	MoE
13	Development validation and commercialization of low cost livestock and poultry vaccines in collaboration with inducing	Prof. Dr. M. Bahanur Rahman Dept. of Microbiology and Hygiene	JMI Vaccine Ltd
14	Investigation on Disease Resistance capability of Newly Shuvra chickens in climatic change prone della region of Bangladesh	Prof. Dr. Sukumar Saha Dept. of Microbiology and Hygiene	MoE
15	Livestock and poultry vaccine research and production centre	Prof. Dr. Sukumar Saha Dept. of Microbiology and Hygiene	SP
16	Isolation, Identification and molecular characterization of <i>Brucella</i> spp. in cattle and Goat in Bangladesh	Prof. Dr. Md. Ariful Islam Dept. of Microbiology and Hygiene	BAS- USDA
17	Spectrochemical characterization of Vero cell line against PPR virus infection	Prof. Dr. Md. Abdul Kafi Dept. of Microbiology and Hygiene	AU-GC
18	Plasma vitamin D and calcium concentrations and skin histotexture in mice upon exposure to direct sunlight	Prof. Dr. Md. Kamrul Islam Dept. of Physiology	BAU

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
19	Drugs and chemicals free broilers production by using medicinal plants Neem and Tulsi leave extract	Prof. Dr. Mahbub Mostofa Dept. of Pharmacology	BAU
20	Residue and potential ecological risk of veterinary antibiotics in poultry manure, compost, fish and vegetables associated with conventional and integrated farming	Dr. Md. Mahmudul Hasan Sikder Assoc. Prof. Dept. of Pharmacology	BAU

**All Principal Investigators, Chairpersons, Co-chairpersons, Organizers and Rapporteurs of all technical sessions are requested to attend the Dinner at Community Center, BAU, 14-05-2017; 8:30 pm**

### **Technical Session 2: Veterinary Science**

Chairperson : Prof. Mahiuddin Ahmed, Dept. of Anatomy and Histology  
 Co-Chairperson: Prof. Dr. Priya Mohan Das, Dept. of Pathology  
 Prof. Dr. Md. Shahidur Rahman Khan, Dept. of Microbiology & Hygiene  
 Organizer : Prof. Dr. Md. Abu Hadi Noor Ali Khan, Dept. of Pathology  
 Rapporteurs : Prof. Dr. Mohd. Kamrul Islam, Dept. of Physiology  
 : Prof. Dr. Md. Mizanur Rahman, Dept. of Surgery & Obstetrics  
 : Prof. Dr. Nasrin Sultana Juyena, Dept. of Surgery and Obstetrics

**Venue : Veterinary Science Faculty Conference Room**

**Date and Time : 14-05-2017, 9:00 am to 2:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
21	Effects of crystal derived from stevia rebaudiana leaves on glucose intolerance, neuropathic pain and renal injury in STZ induced type 1 diabetes in rat	Prof. Dr. Kazi Rafiqul Islam Dept. of Pharmacology	BAU
22	Epidemiology, molecular characterization and pathology of Linguatula serreta, an emerging zoonotic parasite, affecting livestock in Bangladesh	Prof. Dr. Anisuzzaman/Dr. Thahsin Farjana (In-charge) Dept. of Parasitology	BAU
23	Epidemiol-pathological investigation and molecular characterization of Ascaridia galli in backyard chickens in Mymensingh Sadar Upazila, Bangladesh	Prof. Dr. Md. Abdul Alim Dept. of Parasitology	BAU
24	Epidemiological investigation of avian malaria parasites in some selective districts of Bangladesh	Prof. Dr. Moh. Zahangir Alam Dept. of Parasitology	BAU
25	Exploring epidemiology, anthelmintic resistance and genetic diversity of some common gastrointestinal nematodes of small ruminants in Bangladesh	Prof. Dr. Moh. Zahangir Alam Dept. of Parasitology	KGF
26	Epidemiological investigations on the emerging neosporosis in Bangladesh	Prof. Dr. Md. Hasanuzzaman Talukder Dept. of Parasitology	BAU
27	Investigation of cryptosporidium oocyst in animal and human faeces and different water sources in Bangladesh	Prof. Dr. Md. Shahiduzzaman Dept. of Parasitology	IFS
28	Confirm a repository of circulating foot and mouth disease (FMD) viruses for future vaccine development in Bangladesh	Prof. Dr. Md. Abu Hadi Noor Ali Khan Dept. of Pathology	BAU
29	Comparative effects of palm, mustard and soybean oils with high quantity and long term use in rats: Study of growth performances, determination of lipid profiles and pathology in relation to hyperlipemia	Prof. Dr. Md. Mokbul Hossain Dept. of Pathology	AU-GC
30	Blackleg and hemorrhagic septicemia in cattle of climatic change delta region (satkhira) with that in cattle of semi-changeable endemic region (sirajgonj) with their control measures	Prof. Dr. Md. Mokbul Hossain Dept. of Pathology	MoE
31	Experimental pathogenesis of pestedes petits ruminavts (PPR) in Black Bengal goats using Bangladesh is lattes of PPR virus	Prof. Dr. Md. Emdadul Haque Chowdhury Dept. of Pathology	BAS-USDA
32	Community engagement in biosecurity (CEB) For the prevention of infectious diseases of poultry basedon epidemiological risk analysis	Prof. Dr. Md. Rafiqul Islam Dept. Pathology	KGF
33	Real time PCR for identification of Brucella species in cattle and buffaloes	Prof. Dr. Md. Siddiqur Rahman Dept. of Medicine	BAU
34	Molecular characterization of bovine rotavirus causing Severe diarrhea in calves in selective areas of Bangladesh	Prof. Dr. Md. Mahbub Alam Dept. of Medicine	BAU

35	Indiscriminate use of antimicrobial drugs in poultry farms and analysis of antibiotic residues in poultry products in Bangladesh	Prof. Dr. Md. Mahbub Alam Dept. of Medicine	BAS-USDA
36	Identification and characterization of potential food borer pathogens from milk and egg in relation to food safety in Bangladesh	Prof. Dr. Md. Mahbub Alam Dept. of Medicine	MoE
37	Management of external wounds using autogenous full-thickness and mesh skin grafts in goats	Prof. Dr. Md. Rafiqul Alam Dept. of Surgery & Obstetrics	BAU
38	Identification of environmental and metabolic factor(s) causing retention of placenta in dairy cattle of Bangladesh	Dr. Jayonta Bhattacharjee, Assoc. Prof. Dept. of Surgery and Obstetrics	BAU
39	Molecular identification of conception factors (S) in blood and urine for early pregnancy diagnosis in cows	Dr. Jayonta Bhattacharjee, Assoc. Prof. Dept. of Surgery and Obstetrics	MoE
40	Optimising reproductive performance of indigenous tamale water buffaloes	Prof. Dr. Nasrin Sultana Juyena Dept. of Surgery and Obstetrics	MoE
41	Epidemiological and pathobiological investigation of repeat breeding syndrome development of strategies for improving the fertility of repeat border dairy cattle	Prof. Dr. Nasrin Sultana Juyena Dept. of Surgery and Obstetrics	KGF

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### **Technical Session 3: Agriculture**

Chairperson : Prof. Dr. Md. Abul Hossain, Dept. of Seed Science & Technology  
 Co-Chairperson : Prof. Dr. Md. Afzal Hossain, Dept. of Biochemistry and Molecular Biology  
 Prof. Dr. Azizul Haque, Dept. of Entomology  
 Organizer : Prof. Dr. Muhammad Aslam Ali, Dept. of Environmental Science  
 Rapporteurs : Prof. Dr. Md. Golam Farouque, Dept. of Agricultural Extension Education  
 : Prof. Dr. Mohammad Mahir Uddin, Dept. of Entomology  
 : Prof. Dr. Md. Alamgir Hossain-2, Dept. of Crop Botany

**Venue : Syed Nazrul Islam Conference Hall**

**Date and Time : 13-05-2017, 2:30 pm to 5:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
1	Optimization of agronomic management practices for tropical sugarbeet cultivation.	Dr. Swapan Kumar Paul, Asstt. Prof. Dept. of Agronomy	BAU
2	Efficacy and Economics of urea spray technology for locally discovered rice cultivar Haridhan	Dr. Md. Rashedur Rahman, Assoc. Prof. Dept. of Agronomy	AU-GC
3	Development of integrated and cost-effective weed control methods in transplanted rice	Prof. Dr. Md. Abdus Salam Dept. of Agronomy	BAU
4	Screening of Medicinal Plants for their Allelopathic Potential to Develop Bioherbicides for Sustainable Weed Management in Rice	Dr. A.K.M. Mominul Islam, Assoc. Prof. Dept. of Agronomy	BAU
5	Effect of variety, date of planting and level of phosphorus on the growth and yield of French bean	Dr. F.M. Jamil Uddin, Asstt. Prof. Dept. of Agronomy	BAU
6	Physiological bases of grain weight response to increased assimilate availability to the reproductive organs of wheat	Prof. Dr. Ahmed Khairul Hasan Dept. of Agronomy	BAU
7	Evaluation of weed competitiveness of some elite Boro rice varieties and identification of agronomic traits conferring weed competitiveness under aerobic soil conditions	Prof. Dr. Md. Parvez Anwar Dept. of Agronomy	BAU
8	Development of integrated weed management system for dry bed direct seeded boro rice based cropping pattern	Prof. Dr. Md. Moshir Rahman Dept. of Agronomy	BAS-USDA
9	Development/validation and up-scaling of dry direct seeded boro rice system for improving crop productivity in areas with limited water supply	Prof. Dr. Md. Moshir Rahman Dept. of Agronomy	KGF
10	Development of sustainable technologies for improving nutrient and water use efficiency in rice to ensure food security and environmental quality in Bangladesh	Prof. Dr. Md. Romij Uddin Dept. of Agronomy	BARC
11	Cell and tissue specific regulation of sodium homeostasis conferring salinity tolerance in rice	Prof. Dr. Md. Abdul Kader Dept. of Agronomy	BAS-USDA
12	Increase in N use efficiency and rice yield through water technologies and deep placement of N fertilizers	Prof. Dr. Md. Rafiqul Islam Dept. of Soil Science	BAU
13	Mitigation greenhouse gas (GHG) emission from rice based cropping system through efficient fertilizer and water management	Prof. Dr. Md. Rafiqul Islam Dept. of Soil Science	KGF
14	Improvement of soil fertility through integrated use of organic, inorganic and biological sources of nutrients for sustainable rice production	Prof. Dr. Md. Abul Hashem Dept. of Soil Science	BAU

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
15	Improvement of rice production under different moisture regimes through integrated plant nutrient management	Prof. Dr. Md. Anamul Hoque Dept. of Soil Science	BAU
16	Improving crop productivity and livelihoods in the south-west coastal areas of Bangladesh through modern production technologies and soil management practices	Prof. Dr. Md. Anamul Hoque Dept. of Soil Science	MoE
17	Climate change, water insecurity and health adaptation in southwestern Bangladesh	Prof. Dr. Md. Anwarul Abedin Dept. of Soil Science	AU-GC
18	Carbon footprints of major cropping systems Bangladesh	Prof. Dr. Md. Abdul Kader Dept. of Soil Science	BAU
19	Development of a model for predicting nitrogen mineralization in paddy soils	Prof. Dr. Md. Abdul Kader Dept. of Soil Science	MoE
20	Increasing nitrogen use efficiency through nitrogen and water management in the rice-rice Cropping Pattern	Prof. Dr. Mahmud Hossain Sumon Dept. of Soil Science	BARC
21	Removing inorganic Anionic form rice	Prof. Dr. Mahmud Hossain Sumon Dept. Soil Science	Nestle Foundation
22	Improvement of soil fertility and crop productivity through nutrient management and conservation Agriculture in the triple cropping pattern	Prof. Dr. M. Jahiruddin Dept. of Soil Science	KGF
23	Biofortification of zinc and iron in cereals by fertilizer use and variety selection	Prof. Dr. M. Jahiruddin Dept. of Soil Science	BAS-USDA
24	Climate and season driven changes in soil and water salinity for crop production in coastal region of Bangladesh	Prof. Dr. M. Jahiruddin Dept. of Soil Science	BC-INSPIRE
25	High-Value-Tree production, environmental amelioration and enhancement of year-round fruit, vegetable, flower and seed production through multistrata TCF-MPTS management technology	Prof. Dr. Md. Abul Hossain Dept. of Seed Science	BAU
26	Bio-control of post-harvest diseases of potato	Prof. Dr. Moh. Shahjahan Monjil Dept. of Plant Pathology	BAU
27	Formulation of elicitor based inducers for improving quality of selected vegetable seeds and seedlings	Prof. Dr. Md. Atiqur Rahman Khokon Dept. of Plant Pathology	BAU

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### **Technical Session 4: Agriculture**

Chairperson : Prof. Dr. Md. Abdur Rahman Sarkar, Dept. of Agronomy  
 Co-Chairperson: Prof. Dr. Najrul Islam, Dept. of Agronomy  
                           Prof. Dr. Md. Rafiqul Islam-1, Dept. of Soil Science  
 Organizer : Prof. Dr. Kazi Shahanara Ahmed, Dept. of Entomology  
 Rapporteurs : Prof. Dr. Md. Rafiqul Islam, Dept. of Soil Science  
                           Prof. Dr. Md. Ashraful Haque, Dept. of Genetics & Plant Breeding  
                           Prof. Dr. Md. Romij Uddin, Dept. of Agronomy

**Venue : Agriculture Faculty Conference Room (New Building)**

**Date and Time: 13-05-2017, 2:30 pm to 5:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
28	Development of a rapid detection technique for brown rot pathogen, <i>Ralstonia solanacearum</i> in latently infected potato with special emphasis on brown rot free potato production	Prof. Dr. Md. Rashidul Islam Dept. of Plant Pathology	AU-GC
29	Ecological approaches to ensuring food security : A learning platform for understanding and advancing conservation agriculture in Africa Asia	Prof. Dr. Md. Rashidul Islam Dept. of Plant Pathology	IDRC
30	Molecular and phenotypic characterization of xanthomoras <i>oryzac pv oryzac raecs</i> from Bangladesh	Prof. Dr. Md. Rashidul Islam Dept. Plant Pathology	IFS
31	Screening for resistance sources of mustard-rapeseed cultivars in Bangladesh against <i>Aternaria brassicae/ Alternaria brassicicola</i>	Dr. Muh. Ali Hossain, Assoc. Prof. Dept. of. Plant Pathology	BAU
32	Sustainable management of flower and fruit dropping of mango	Prof. Dr. Ismail Hossain Dept. of Plant Pathology	KGF
33	Studies on leaf blight ( <i>Bipolares sorokiniara</i> ) of wheat and development of sustainable environment friendly technology for production of wheat	Prof. Dr. Ismail Hossain Dept. of Plant Pathology	MoE
34	Post harvest loss reduction innovation lab(PHLIL) (a) Mycotoxin component	Prof Dr. Md. Ayub Ali Dept of Plant Pathology	USAID

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
35	Screening of Tomato Varieties for Resistance against Tomato Fruit Borer, <i>Helicoverpa armigera</i> (Hubner) and development of its suitable eco-friendly management approach	Prof. Dr. Moh. Mahir Uddin Dept. of Entomology	BAU
36	Development of integrated mosquito management strategy for Mymensingh district	Prof. Dr. Moh. Mahir Uddin Dept. of Entomology	MoE
37	Risk assessment and analysis on the key factors causing the outbreak of brown plant hopper in Bangladesh	Prof. Dr. Khandakar Shariful Islam Dept. of Entomology	BAU
38	Detection of resistance of eggplant fruit and shoot borer (EFSB) <i>Leucinodes orbonalis</i> gurnee (Pynalidae, lepidoptera) to diamide and its cross resistance to other compounds	Prof. Dr. Khandakar Shariful Islam Dept. of Entomology	EFSB
39	Out break of Giant Mealybay in Bangladesh and its sustainable Management	Prof. Dr. Khandakar Shariful Islam Dept. Entomology	MoE
40	Laboratory and field evaluation of entomopathogenic fungal biopesticide against soft-bodied insect pests of vegetable	Prof. Dr. Md. Tofazzal Hossain Hawlader Dept. of Entomology	BAU
41	Investigation of Bion National Methods for controlling major insect pests infesting vegetables in Bangladesh	Prof. Dr. Md. Tofazzal Hossain Hawlader Dept. of Entomology	MoE
42	Eco-friendly management of red spider mite, <i>Tetranychus macfarlanei</i> using entomopathogenic fungus, <i>Beauveria bassiana</i>	Prof. Dr. Moh. Shaef Ullah/Mr. Tarikul Islam (In-charge) Dept. of Entomology	AU-GC
43	Evaluation of certain bio- and reduced-risk pesticides against brinjal shoot and fruit borer, <i>Leucinodes orbonalis</i> based on spraying time and threshold level.	Prof. Dr. Gopal Das Dept. of Entomology	BAU
44	Development of bioinsecticidal IPM(BIPM) Packages for <i>Spodoptera litura</i> (Fabricius) using microbial and IGR based molecules	Prof. Dr. Gopal Das Dept. of Entomology	MoE
45	Sustainable management of major lepidopteran vegetable pests through ecosmart new biorational pesticide	Prof. Dr. Gopal Das Dept. of Entomology	BAS-USDA
46	Foraging behaviour of honeybee and seasonal variation of honey production and its qualities in selected areas	Prof. Dr. Mahbuba Jahan Dept. of Entomology	BAU
47	Sustainable management of flower and fruit dropping of mango	Prof. Dr. Mahbuba Jahan Dept. of Entomology	KGF
48	Improved detection monitoring and management of two major beetle pests in stored grain through use of a multispecies lure and reduced risk insecticide	Prof. Dr. Mahbuba Jahan Dept. of Entomology	BARC
49	Use of bio-rational insecticides for the Management of Bean pod borer, <i>Maruca vitrata</i> (Fabricius)	Prof. Dr. Moh. Abul Manjul Khan Dept. of Entomology	BAU
50	Damage severity and eco-friendly management strategies of papaya mealybug <i>Paracoccus marginatus</i>	Prof. Dr. Masum Ahmad Dept. of Entomology	BAU
51	Effects of Different Fertilizers and Preservative Solutions on the Production, Yield and Vase Life of Tuberose Cut Flower	Prof. Dr. Md. Habibur Rahman Dept. of Horticulture	BAU
52	Study on Plant Growth and Planting Dates on Yield and Quality of Summer	Prof. Dr. Md. Rezaul Karim Dept. of Horticulture	BAU
53	Collection, conservation, characterizations and varietal development of garlic and onion through selection and Molecular techniques.	Prof. Dr. M.A Rahim Dept. of Horticulture	BAU
54	Utilization of carrot wild relatives for carrot pre-breeding in Bangladesh	Prof. Dr. M.A. Rahim Dept. of Horticulture	ARS/ BAS-USDA

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### **Technical Session 5: Agriculture**

Chairperson : Prof. Dr. M. Bahadur Meah, Dept. of Plant Pathology  
 Co-Chairperson : Prof. Dr. M. Abul Hashem, Dept. of Soil Science  
                           Prof. Dr. Khandaker Shariful Islam, Dept. of Entomology  
 Organizer : Prof. Dr. Md. Akhter Hossain Chowdhury, Dept. of Agricultural Chemistry  
 Rapporteurs : Prof. Dr. Md. Abdul Kader, Dept. of Agronomy  
                           Prof. Dr. Rashidul Islam, Dept. of Plant Pathology  
                           Prof. Dr. Md. Mokter Hossain, Dept. of Horticulture

**Venue : Syed Nazrul Islam Conference Hall**

**Date and Time : 14-05-2017, 9:00 am to 2:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
55	Collection of germplasms of moringa ( <i>Moringa</i> spp) and their evaluation for yield and quality characters	Dr. Md. Ashraful Islam, Assoc. Prof. Dept. of Horticulture	AU-GC
56	Aqua innovation for household nutrition	Dr. Md. Ashraful Islam, Assoc. Prof. Dept. of Horticulture	USAID
57	Issues and challenges in sustainable agricultural research, extension and education for women farmers' in Bangladesh	Dr. Md. Ashraful Islam, Assoc. Prof. Dept. of Horticulture	USAID (VEGA)
58	Organic vegetable production techniques for small-scale household for food security, nutrition and income generation in Bangladesh	Dr. Md. Ashraful Islam, Assoc. Prof. Dept. of Horticulture	USDA (FAS)
59	Investigation on salt stress tolerance level of high value horticultural crops through hydroponic culture system	Prof. Dr. Md. Mokter Hossain Dept. of Horticulture	BAU
60	Collection and molecular characterization of Brinjal and mango plant genetic Resources-two important geographical indication (GI) crops of Bangladesh	Prof. Dr. Md. Golam Rabbani Dept. of Horticulture	BARC
61	Phenolics in the growing region of leaves in maize genotypes under salinity	Dr. Md. Nesar Uddin, Assoc. Prof. Dept. of Crop Botany	BAU
62	Study on Aman rice genotypes and flooding pattern of Bangladesh to search for submergence tolerant rice cultivars	Prof. Dr. M. Habibur Rahman Pramanik Dept. of Crop Botany	BAU
63	Collection and evaluation of dhaincha genetic resources of Bangladesh based on nitrogen fixing and organic matter accumulation capability in soil	Prof. Dr. A.K.M. Golam Sarwar Dept. of Crop Botany	BAU
64	Screening and evaluation of sorghum germplasms for salt tolerance	Prof. Dr. A.K.M. Zakir Hossain Dept. of Crop Botany	BAU
65	Biological nitrification inhibition-A novel genetic strategy can increase nitrogen use efficiency and combat N <sub>2</sub> O emission in cereal production system	Prof. Dr. A.K.M. Zakir Hossain Dept. of Crop Botany	MoE
66	Effect of planting density on yield of baby corn and its quality assessment during low temperature storage	Prof. Dr. Md. Solaiman Ali Fakir Dept. of Crop Botany	BAU
67	Screening of barley genotypes for heat tolerance based on culm reserves dynamics	Prof. Dr. Md. Alamgir Hossain-2 Dept. of Crop Botany	AU-GC
68	Off-season production potentials of water melon in winter using polytunnel technology	Prof. Dr. Md. Abdul Awal Dept. of Crop Botany	BAU
69	Availability of cruciferous vegetables throughout the year in Bangladesh: A novel approach for human cancer prevention	Prof. Dr. Md. Alamgir Hossain-1 Dept. of Crop Botany	BAU
70	Meristem culture and screening of somaclones in vitro for quality seed potato production	Prof. Dr. M. Obaidul Islam Dept. of Crop Botany	BAU
71	Genetic dissection of tomato genotypes against Tm 1 gene for Tomato mosaic virus resistance	Prof. Dr. Md. Ashraful Haque Dept. of Genetics & Plant Breeding	BAU
72	Development of economic and efficient phenotypic technique for screening lentil germplasm for drought stress tolerance	Prof. Dr. Md. Amir Hossain Dept. of Genetics & Plant Breeding	AU-GC
73	Morpho-physiological assessment and transcriptome based identification of salinity tolerant genes in diverse rice genotypes	Dr. Moh Rashed Hossain, Assoc. Prof. /Md. Nuruzzaman (In-charge) Dept. of Genetics & Plant Breeding	AU-GC
74	Effects of salinity induced reactive oxygen species (ROS) accumulation on pollen and spikelet sterility and yield of rice and protective roles of exogenous glutathione against salt stress tolerance	Prof. Dr. Moh. Anwar Hossain Dept. of Genetics and Plant Breeding	BAU
75	Developing breeding stocks to investigate genetic basis of physiology driven heat tolerance in wheat	Mr. Sharif-Ar-Raffi, Assoc. Prof. Dept. of Genetics and Plant Breeding	BAU

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
76	Revealing combining abilities of wheat ( <i>T. aestivum</i> L.) for days to heading, yield, and other agronomic traits	Dr. Md. Abdullah Al Bari, Assoc. Prof. Dept. of Genetics and Plant Breeding	BAU
77	Resistant breeding for salinity stress tolerance in rice	Prof. Dr. Lutful Hassan Dept. of Genetic & Plant Breeding	BARC
78	Effectiveness of different mass media and ICT based media in technology transfer to farmers	Prof. Dr. Md. Hammadur Rahman Dept. of Agricultural Ext. Education	BAU
79	Use of communication media by the fish farmers in commercial fish culture	Prof. Dr. Moh. Jiaul Hoque Dept. of Agricultural Extension Education	BAU
80	Determination of livelihood pattern and status of farm women through income generating activities (IGAs) in Bangladesh	Prof. M. Afzal Hossain Dept. of Agricultural Extension Education	AU-GC
81	Effectiveness of training on climate risk management	Debashish Sarker Dev, Lecturer Dept. of Agricultural Extension Education	BAU
82	Development of extension strategies for promotion of organic pineapple cultivation in Bangladesh	Prof. Dr. Md. Asaduzzaman Sarker Dept. of Agricultural Extension Education	BAU
83	Pangas farming: means of income and improving livelihood of Pangas farmers in selected areas of Mymensingh district	Prof. Dr. Shonia Sheheli Dept. of Agricultural Extension Education	BAU
84	Preparation of chitosan from shrimp and crab wastes and investigation of its use as biopesticide and growth enhancer for vegetables	Prof. Dr. Hari Pada Seal Dept. of Agricultural Chemistry	BAU

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### **Technical Session 6: Agriculture**

Chairperson : Prof. Dr. M. Jahiruddin, Dept. of Soil Science  
 Co-Chairperson : Prof. Dr. Md. Abul Khair Chowdhury, Dept. of Agricultural Chemistry  
                           Prof. Dr. M. A. Salam, Dept. of Agronomy  
 Organizer : Prof. Dr. M. Obaidul Islam, Dept. of Crop Botany  
 Rapporteurs : Prof. Dr. Md. Zakir Hossen, Dept. of Agricultural Chemistry  
                           Prof. Dr. Gopal Das, Dept. of Entomology  
                           Dr. Swapan Kumar Paul, Dept. of Agronomy

**Venue : Agriculture Faculty Conference Room (New Building)**

**Date and Time : 14-05-2017, 9:00 am to 2:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
85	Green plant based remediation technology of heavy metal contaminated soil	Prof. Dr. M. Wahid –U-Zzaman Dept. of Agricultural Chemistry	BAU
86	Health risk assessment for population via consumption of vegetables grown in arsenic contaminated soils	Prof. Dr. Md. Zakir Hossen Dept. of Agricultural Chemistry	BAU
87	Screening and characterization of heavy metal tolerant rhizobacteria from contaminated soils and their effect on heavy metal accumulation by polluted soil grown crops	Prof. Dr. Quazi Forhad Quadir Dept. of Agricultural Chemistry	BAU
88	Analysis of heavy metals and food borne pathogens in food samples-I	Prof. Dr. Quazi Forhad Quadir Dept. of Agricultural Chemistry	FAO
89	Effect of indigenous glucosinolates of Brassica plants as a chemical weapon to strike back generalist insect pests attach	Dr. Md. Shohidul Alam, Assoc. Prof. Dept of Agricultural Chemistry	AU-GC
90	Effect of heavy metals: Arsenic (As) and cadmium (Cd) stress on rice ( <i>Oryza sativus</i> , L.) and their possible remedies	Prof. Kartik Chandra Saha Dept. of Agricultural Chemistry	BAU
91	Assessment of commonly used manures and fertilizer quality collected from different areas of Bangladesh	Prof. Dr. K.M. Mohiuddin Dept. of Agricultural Chemistry	BAU
92	In vitro screening of soil bacteria for inhibiting phytopathogenic fungi	Istiaq Ahmed, Asstt. Prof. Dept. of Agricultural Chemistry	BAU
93	Characterization of rice genotypes for salt tolerance, and nutritional and grain quality	Prof. Bishan Lal Das Chowdhury Dept. of Biochemistry and Molecular Biology	BAU
94	Anticholinesterase and antioxidant activities of indigenous medicinal plants used in ayurvedic preparation for cognitive disorder	Dr. Md. Abdul Hannan, Assoc. Prof. Dept. of Biochemistry and Molecular Biology	AU-GC



Sl. No.	Title of the project	Name of the PI with Department	Source of fund
95	Effect of germination on amino acid pattern of perole ( <i>Virgna unguiculata</i> L.) seed, a wild cowpa grown in Bangladesh	Md. Rezwanul Haque, Asstt. Prof. Dept. of Biochemistry and Molecular Biology	AU-GC
96	Influence of temperature on quality chickpea production	Prof. Muh. Javidul Haque Bhuiyan Dept. of Biochemistry and Molecular Biology	BAU
97	Protein nutritive quality and functionality of raw and germinated khaiishya bean ( <i>Phaseolus</i> spp.) a wild legume grown in the Chaittagonj hill tract in Bangladesh	Prof. Dr. Md. Golam Mortuza Dept. of Biochemistry and Molecular Biology	BAU
98	Timber tree based agroforestry practices in char land farming system	Prof. Dr. Md. Abdul Wadud Dept. of Agroforestry	AU-GC
99	Biogeochemical analysis of soils of mangrove forest of Bangladesh	Moh. Kamrul Hasan, Assoc. Prof. Dept. of Agroforestry	BAU
100	Induction of in vitro flowering of Dendrobium orchid by reducing juvenile period	Dr. Sabina Yasmin, Assoc. Prof. Dept. of Biotechnology	BAU
101	Screening, isolation and characterization of probiotic yeast <i>Saccharomyces cerevisiae</i> var. <i>boulardii</i> : A potential starin for bioethanol production in Bangladesh	Dr. Fahmida Khatun Assoc. Prof. Dept. of Biotechnology	AU-GC
102	Micropropagation of turmeric and assessment of genetic fidelity of micropropagated plants by RAPD markers	Prof. Dr. Md. Shahidul Haque Dept. of Biotechnology	BAU
103	Molecular screening for heat and drought tolerance studies in north west Bangladesh	Prof. Dr. Md. Shahidul Haque Dept. of Biotechnology	MoE
104	Genetic variation, population structure and identification of different strains of the small indigenous species, mola ( <i>Amblypharyngodon mola</i> , Hamilton 1822) in Bangladesh using PCR-RAPD marker : Implication in sustainable culture	Prof. Dr. Md. Shahidul Islam Dept. of Biotechnology	MoE
105	Organic farming and soil carbon sequestration for sustainable crop production	Prof. Dr. Md. Shahadat Hossen Dept. of Environmental Science	BAU
106	Effects of biogas plant byproducts on soil C-sequestration, rice 12 productivity and methane emission from paddy field	Prof. Muh. Aslam Ali Dept. of Environmental Science	BAU
107	Quantitative analysis for the toxic chemical residues in marketed fruits and vegetables in Mymensingh Sadar using chromatographic techniques	Dr. Md. Azharul Islam, Assoc. Prof. Dept. of Environmental Science	BAU
108	Severe Cyclone events on crop vulnerability under climate change conditions – Integration of General Circulation Model (GCM) and Geographic Information System (GIS)	Prof. Dr. M. A. Farukh Dept. of Environmental Science	BAU
109	Effects of waste materials on soil microbial communities and greenhouse gas emission	Prof. Dr. Rehana Khatun Dept. of Environmental Science	BAU
110	Rice paddy flux observation in Bengal low land	Prof. Dr. Md. Abdul Baten Dept. of Environmental Science	NIAES
111	Production of biogas by using agricultural and kitchen waste and/or co-digestion with cow dung	Prof. A.K.M. Rafiqul Islam Graduate Training Institute (GTI)	BAU

**All Principal Investigators, Chairpersons, Co-chairpersons, Organizers and Rapporteurs of all technical sessions are requested to attend the Dinner at Community Center, BAU, 14-05-2017; 8:30 pm**

### **Technical Session 7: Animal Husbandry**

Chairperson : Prof. Dr. Md. Ashraf Ali, Dept. of Poultry Science  
 Co-Chairperson : Prof. Dr. Md. Nurul Islam, Dept. of Dairy Science  
                                   Prof. Dr. Md. Rokibul Islam Khan, Dept. of Animal Science  
 Organizer : Prof. Dr. Md. Azharul Hoque, Dept. of Animal Breeding & Genetics  
 Rapporteurs : Prof. Dr. Shubas Chandra Das, Dept. of Poultry Science  
                                   Prof. Dr. Fowzia Sultana, Dept. of Poultry Science  
                                   Prof. Dr. Md. Kamruzzaman, Dept. of Animal Nutrition

**Venue : Animal Husbandry Faculty Conference Room**

**Date and Time : 13-05-2017, 2:30 pm to 5:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
1	Characterization and conservation of Nageswari duck of Bangladesh.	Prof. Dr. Md. Shamsul Alam Bhuiyan Dept. of Animal Breeding and Genetics	BAU
2	Production potential of Black Bengal goat keepers under community based rearing system	Prof. Dr. Syed Sakhawat Husain Dept. of Animal Breeding and Genetics	BAU

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
3	Genetic variation on the control of resistance of nematodes in the small ruminant in goat	Prof. Dr. Md. Omar Faruque Dept. of Animal Breeding & Genetics	IAEA
4	Community driven livelihood program with Red Chittagong Cattle	Prof. Dr. A.K. Fazlul Haque Bhuiyan Dept. of Animal Breeding & Genetics	USDA-World Vision BD
5	Characterization of male goats available in Bangladesh based on testicular germ cell arrangement, Proliferation and apoptosis	Prof. Dr. A. K. M. Ahsan Kabir Dept. of Animal Science	BAU
6	Preparation of wastelage with wet rice straw and poultry droppings for growing cattle and minimize the environmental pollution.	Prof. Dr. Md. Rokibul Islam Khan Dept. of Animal Science	BAU
7	Cattle rearing practices in municipality areas and its impact on environmental and food safety	Prof. Dr. Md. Abul Kalam Azad Dept. of Animal Science	AU-GC
8	Supplementation of saponin rich Dhaincha ( <i>Sesbania aculeata</i> ) has the potential to increase milk production and growth performances of Black Bengal goat	Prof. Dr. Md. Ruhul Amin Dept. of Animal Science	BAU
9	Up-scaling of cost effective formula feeds and improved management practices for increasing milk and meat production from buffaloes	Prof. Dr. Md. Ruhul Amin Dept. of Animal Science	KGF
10	Formulation of value added beef meatball through fortification with dietary fibers As prebiotics	Prof. Dr. Md. Abul Hashem Dept. of Animal Science	BAU
11	Pregnancy detection in small ruminants by seed germination inhibition test	Md. Badruzzaman Sarker, Asstt. Prof. Dept. of Animal Science	BAU
12	Production of buffaloes embryos from in vitro grown oocytes	Prof. Dr. Moh. Moniruzzaman Dept. of Animal Science	IFS
13	Prediction of Protein requirement for crossbred growing bull to develop feeding system	Prof. Dr. Zahirul Haque Khandaker Dept of Animal Nutrition	BAU
14	Is broiler diet contains antibiotic growth Promoter in Bangladesh Evaluation and Alternative	Prof. Dr. Khan Md. Shaiful Islam Dept. of Animal Nutrition	BAU
15	Algae culture as environment friendly feed supplements for poultry	Prof. Dr. Khan Md. Shaiful Islam Dept. of Animal Nutrition	BARC
16	Collection, evaluation and conservation of forage germplasm for feeding animals	Prof. Dr. Md. Jasimuddin Khan Dept. of Animal Nutrition	BAU

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### **Technical Session 8: Animal Husbandry**

Chairperson : Prof. Dr. Md. Abdus Samad Khan, Dept. of Dairy Science  
 Co-Chairperson: Prof. Dr. Zahirul Haque Khandoker, Dept. of Animal Nutrition  
 : Prof. Dr. Mohammad Mujaffar Hossain, Dept. of Animal Science  
 Organizer : Prof. Dr. Md. Ruhul Amin, Dept. of Animal Science  
 Rapporteurs : Prof. Dr. Md. Al-Mamun, Dept. of Animal Nutrition  
 : Prof. Dr. Bazlur Rahman Mollah, Assoc. Prof., Dept. of Poultry Science  
 : Prof. Dr. Raihan Habib, Assoc. Prof., Dept. of Dairy Science

**Venue : Animal Husbandry Faculty Conference Room**

**Date and Time : 14-05-2017, 9:00 am to 2:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
17	Safe and quality broiler production using herbal plants	Prof. Dr. Mohammad Al-Mamun Dept. of Animal Nutrition	BAU
18	Nutritional and economic benefit of adopting alternative feeding systems in different dairy production systems in Bangladesh	Dr. Moh. Mohiuddin, Asstt. Prof., Dept. of Animal Nutrition	BAU
19	Evaluation and characterization of feeding systems in different dairy production systems in Bangladesh, a step toward development of alternative feeding system	Dr. Moh. Mohi Uddin, Asstt. Prof. Dept. of Animal Nutrition	IFS
20	Feeding garlic leave on growth performance and carcass characteristics of rabbit	Prof. Dr. Md. Kamruzzaman Dept. of Animal Nutrition	BAU
21	Studies on shelf life extension and post harvest loss of raw liquid milk	Prof. Dr. Md. Nurul Islam Dept. of Dairy Science	BAU
22	Supplementation of protein concentrates on the performances of dairy herd replacement stock	Prof. Dr. Md. Harun-ur-Rashid Dept. of Dairy Science	BAU

23	Standardization of mozzarella cheese making technology using microbial rennet	Prof. Dr. Raihan Habib Dept. of Dairy Science	BAU
24	Effect of supplementation of concentrates to the advanced pregnant dairy animals on their performances	Dr. Moh. Ashiqul Islam, Assoc. Prof. Dept. of Dairy Science	BAU
25	Study on production performance, antimicrobial and serum cholesterol lowering effect of garlic in broiler	Prof. Dr. Md. Elias Hossain Dept. of Poultry Science	AU-GC
26	Antibiotic free organic broiler meat production using different medicinal plants	Prof. Dr. Md. Elias Hassain Dept. of Poultry Science	MoE
27	Harnessing heterosis of growth traits through crossing of different quail lines	Prof. Dr. Md. Bazlur Rahman Mollah Dept. of Poultry Science	BAU
28	Production performance and extension of indigenous Guinea fowls ( <i>Numida meleagris</i> ) to the rural families through a proposed production model	Prof. Dr. Shubash Chandra Das Dept. of Poultry Science	BAU
29	Production of safe broiler meat using dietary phytobiotics	Dr. Muslah Uddin Ahammad, Assoc. Prof./ Prof. Dr. Md. Shawkat Ali (In-charge) Dept. of Poultry Science	BAU
30	Refining and validation of BAU-Bro chickens	Prof. Dr. Md. Ashraf Ali Dept. of Poultry Science	KGF
31	Use of nutritional biotechnology tools to combat the effect of global warming on poultry production	Prof. Dr. S.D. Chowdhury Dept. Poultry Science	MoE

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### **Technical Session 9: Agricultural Economics & Rural Sociology**

Chairperson : Prof. Dr. Md. Abdul Quddus, Dept. of Agricultural Statistics  
 Co-Chairperson: Prof. Dr. Shaikh Abdus Sabur, Dept. of Agribusiness & Marketing  
 Prof. Dr. M. Harun-Ar Rashid, Dept. of Agricultural Economics  
 Organizer : Prof. Dr. Md. Taj Uddin, Dept. of Agricultural Economics  
 Rapporteurs : Prof. Dr. Mr. Fakir Azmal Huda, Dept. of Agricultural Economics  
 : Prof. Md. Moniruzzaman, Dept. of Agribusiness and Marketing  
 : Prof. Dr. Sadika Haque, Dept. of Agricultural Economics

**Venue : Agricultural Economics Faculty Conference Room**

**Date and Time : 13-05-2017, 2:30 pm to 5:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
1	Char People's production practices and livelihood status: an economic study in selected areas of Mymensingh district	Prof. Dr. Md. Taj Uddin Dept. of Agricultural Economics	BAU
2	Enhancing livelihood of farming community through Adoption of conservation agriculture a socioeconomic study	Prof. Dr. Md. Taj Uddin Dept. of Agricultural Economic	MoE
3	Irrigation water use in changing climate situation in some selected areas of Bangladesh	Prof. Dr. Md. Saidur Rahman Dept. of Agricultural Economics	AU-GC
4	Economic valuation of ecological footprint for aquaculture in some selected areas of Mymensingh	Prof. Dr. Fakir Azmal Huda Dept. of Agricultural Economics	AU-GC
5	Sustainable management of agricultural land and crop productivity through Bio-slurry practice in Mymensingh districts of Bangladesh	Prof. Dr. Humayun Kabir Dept. of Agricultural Economics	AU-GC
6	Impact of improved technologies of wheat cultivation in Bangladesh – An economic analysis	Prof. Dr. M. Serajul Islam Dept. of Agricultural Economics	BAU
7	Rethinking women's role in rice farming	Prof. Dr. Sadika Haque Dept. of Agricultural Economics	BAU
8	AquaFish lab-economics	Prof. Dr. Sadika Haque Dept. of Agricultural Economics	USAID
9	An empirical study on socio-economic status of women labor in rice husking mill of Bangladesh	Rifat Ara Zannat Tama, Asstt. Prof. Dept. of Agricultural Economics	BAU
10	Time budget of rural women of Bangladesh	A.N.M. Zakir Hossain, Asstt. Prof. Dept. of Agricultural Economics	BAU
11	Impact of credit on livelihoods and food security of tribal people in Mymensingh district of Bangladesh	Dr. Moh. Ataur Rahman, Asstt. Prof. Dept. of Agricultural Finance	BAU
12	Technological innovations in livestock: dissemination and adoption	Prof. Dr. Md. Abdul Quddus Dept. of Agricultural Statistics	BAU

13	Assessment of developing potential enterprises towards attaining food security of people in haor areas	Prof. Dr. Kh. Md. Mostafizur Rahman Dept. of Agricultural Statistics	AU-GC
14	Determinants of student academic performance in Agricultural Universities of Bangladesh	Prof. Dr. Md. Wakilur Rahman Dept. of Rural Sociology	BAU
15	Value chain analysis and marketing performance of indigenous backyard poultry sub-sector in the Mymensingh districts of Bangladesh	Prof. Dr. Moh. Ismail Hossain Dept. of Agribusiness and Marketing	BAU
16	Constraints to the development of small scale Agribusiness enterprises in Bangladesh	Prof. Dr. Shaikh Abdus Sabur Dept. of Agribusiness and Marketing	BARC

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### **Technical Session 10: Agricultural Engineering & Technology**

Chairperson : Prof. Md. Abdur Rashid, Dept. of Farm Structure & Envir. Engineering  
 Co-Chairperson: Prof. Dr. M. Burhan Uddin, Dept. of Food Technology & Rural Industries  
 Prof. Dr. Md. Mosharraf Hossain, Dept. of Farm Power & Machinery  
 Organizer : Prof. Dr. Md. Abdul Awal, Dept. of Farm Power & Machinery  
 Rapporteurs : Prof. Md. Siddikur Rahman, Dept. of Farm Structure and Environ. Engg.  
 : Prof. Md. Zillur Rahman, Dept. of Farm Structure & Environmental Engineering  
 : Dr. Md. Hamidul Islam, Dept. of Farm Power & Machinery

**Venue : Dean Conference Room**

**Date and Time: 13-05-2017, 2:30 am to 5:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
1	Modeling the effect of climate changes on cereal crops for attaining food security	Prof. Md. Zillur Rahman Dept. of Farm Structure & Environmental Engineering	BAU
2	Design and development of low-cost house for cyclone-battered and flood-prone rural areas	Prof. Dr. Md. Zainul Abedin Dept. of Farm Structure & Environmental Engineering	BAU
3	Development of a model oil palm plantation and feasibility study of palm oil processing technology at BAU campus	Prof. Dr. Md. Abdul Awal Dept. of Farm Power and Machinery	BAU
4	Design and development of a pull type 4-rows granular urea applicator	Prof. Dr. Murshed Alam Dept. of Farm Power and Machinery	BAU
5	The effect of tine design on the performance of strip tillage	Prof. Dr. Md. Mosharraf Hossain Dept. of Farm Power & Machinery	BAU
6	Overcoming agronomic and mechanization constraints to developments and adoption of conservation agriculture in diversified rice-based cropping in Bangladesh	Prof. Dr. Md. Mosharraf Hossain Dept. of Farm Power and Machinery	ACIAR
7	Green energy knowledge hub (GEKH)	Prof. Dr. Chayan Kumar Saha Dept. of Farm Power and Machinery	IFC
8	Post harvest loss reduction innovation lab (PHLIL) (b) Drying component (c) Storage Component	b) Prof Dr. Chayan Kumer Saha Dept of Farm Power and Machinery c) Dr. Md. Abdul Awal Dept of Farm Power and Machinery	USAID
9	Appropriate scale mechanization innovation hub (ASHIM) Bangladesh (a) Transplanting component (b) Harvesting Component (c) Conservation Agriculture and Water Management	a) Prof Dr. Md. Mosharraf Hossain Dept of Farm Power and Machinery b) Prof. Dr. Md. Rostom Ali Dept of Farm Power and Machinery c) Prof. Dr. Chayan Kumer Saha Dept of Farm Power and Machinery	USAID
10	Phosphorus sorption characterization of some Bangladeshi soils affected by manure application to Reduce Water Pollution	Dr. Atikur Rahman, Assoc. Prof. Dept. of Irrigation and Water Management	AU-GC
11	Impact of irrigation of dairy farm's wastewater on crop production and soil health	Prof. Dr. A.K.M. Adham Dept. of Irrigation and Water Management	BAU
12	Characterization of colour and surface appearance of banana fruits using computer vision system (CVS)	Dr. Abdullah Iqbal, Assoc. Prof. Dept. of Food Technology and Rural Industries	BAU
13	Design, construction and performances study of semi-pilot scale baking oven	Prof. Dr. M. Burhan Uddin Dept. of Food Technology and Rural Industries	BAU
14	Process development for the production of encapsulated fruits and vegetable powders for primary and secondary food formulation	Prof. Dr. Md. Nazrul Islam Dept. of Food Tech. and Rural Industries	MoE

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### **Technical Session 11: Fisheries**

Chairperson : Prof. Dr. Subash Chandra Chakraborty, Dept. of Fisheries Technology  
 Co-Chairperson: Prof. Dr. Kirtunia Juran Chandra, Dept. of Aquaculture  
 Prof. Dr. Md. Idris Miah, Dept. of Fisheries Management  
 Organizer : Prof. Dr. M. Rafiqul Islam Sarder, Dept. of Fisheries Biology and Genetics  
 Rapporteurs : Prof. Dr. Fatema Hoque Shikha, Dept. of Fisheries Technology  
 : Prof. Dr. Shahroz Mahean Haque, Dept. of Fisheries Management  
 : Prof. Dr. Mohammad Mahfujul Haque, Dept. of Aquaculture

**Venue : Fisheries Faculty Conference Room**

**Date and Time : 13-05-2017, 2:30 pm to 5:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
1	Generation of a saline tolerant tilapia for the coastal region of Bangladesh	Prof. Dr. Md. Sadiqul Islam Dept. of Fisheries Biology and Genetics	BAU
2	Effects of some organophosphorus pesticides on the hematological parameters, tissues and organs and reproductive system of silver barb and tilapia	Prof. Dr. Md. Sadiqul Islam Dept. of Fisheries Biology & Genetics	BFRI
3	Genetic improvement of Rohu <i>Labeo rohita</i> stock in Bangladesh	Prof. Dr. Md. Rafiqul Islam Sarder Dept. of Fisheries Biology & Genetics	BFRI
4	Production in enhancement of silver barb ( <i>Barbonyaus gonionotus</i> ) by generating monosex all be mate population through ehromosome maripulation	Prof. Dr. Md. Rafiqul Islam Sarder Dept. of Fisheries Biology & Genetics	BAS- USDA
5	Extraction of polyunsaturated fatty acids (PUFAs) from a marine cephalopod Loligo sp. and determination of its performance on the gonadal maturation and spontaneous spawning of <i>A. testudineus</i> .	Dr. Moh. Matiur Rahman, Assoc. Prof. Dept. of Fisheries Biology and Genetic	BAU
6	Enhancement of maturation for spontaneous spawning fatty acid	Prof. Dr. Md. Fazlul Awal Mollah Dept. of Fisheries Biology & Genetics	BAU
7	Development of feed for gonadal maturation and better breeding performance of Moropteras cuchia and nursery management	Prof. Dr. Md. Fazlul Awal Mollah Dept. of Fisheries Biology & Genetics	BFRI
8	Toxicity of Diazinon 60 EC and sumithion to channa punctatus and golssogobius giuris	Prof. Dr. Md. Fazlul Awal Mollah Dept. of Fisheries Biology & Genetics	BFRI
9	Conservation of endangered fishes in the Brahmaputra Basin: In-situ and ex-situ approach	Prof. Dr. Mostafa Ali Reza Hossain Dept. of Fisheries Biology & Genetics	MoE
10	Towards understanding my cotie diseases in aquaculture in Bangladesh molecular approach to characterization of the causal agents	Dr. Mod. Nasif Sarowar, Assoc. Prof. Dept. of Fisheries Biology & Genetics	IFS
11	Potential of wheatgrass powder in fish feed as alternatives to fishmeal	Prof. Dr. Md. Abdus Salam Dept. of Aquaculture	BAU
12	Development of hydroponic wheat grass cultivation as supplementary seed production technique for fish and poultry farming in Bangladesh	Prof. Dr. Md. Abdus Salam Dept. of Aquaculture	MoE
13	Investigation on Diseases of Farmed Tilapia, <i>Oreochromis niloticus</i>	Prof. Dr. Md. Ali Reza Faruk Dept. of Aquaculture	BAU
14	Influence of chemicals and drugs on microbial flora used indiscriminately in aquaculture	Prof. Dr. Md. Ali Reza Faruk Dept. of Aquaculture	BFRI
15	Effect of dietary vitamin C on the growth and survival rate of Indian major carp ( <i>Labeo rohita</i> )	Prof. Md. Sazzad Hossain Dept. of Aquaculture	BAU
16	Investigation on health issues of some endangered freshwater fishes of Bangladesh	Prof. Dr. Gias Uddin Ahmed Dept. of Aquaculture	MoE
17	Testing of local herbal products for fish shrimp diseases prevention and control	Prof. Dr. Gias Uddin Ahmed Dept. of Aquaculture	BFRI

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## Technical Session 12: Fisheries

Chairperson : Prof. Dr. Muhammad Shahidul Haq, Dept. of Fisheries Management  
 Co-Chairperson: Prof. Dr. Monoranjan Das, Dept. of Aquaculture  
                           Prof. Dr. Gias Uddin Ahmed, Dept. of Aquaculture  
 Organizer : Prof. Dr. M. A. Salam, Dept. of Aquaculture  
 Rapporteurs : Prof. Mr. Md. Sazzad Hossain, Dept. of Aquaculture  
                           Prof. Dr. Mst. Kaniz Fatema, Dept. of Fisheries Management  
                           Dr. Tanvir Rahman, Dept. of Aquaculture

**Venue : Fisheries Faculty Conference Room**

**Date and Time : 14-05-2017, 09:00 am to 2:00 pm**

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
18	Tracks transforming climate knowledge with and for society mobilising knowledge on climate variability with communities in nurlieast Bangladesh	Prof. Dr. Moh. Mahfujul Haque Dept. of Aquaculture	RCN
19	Upgrading pangas and tilapia value chain in Bangladesh	Prof. Dr. Moh. Mahfujul Haque Dept. of Aquaculture	DANIDA
20	Reproductive biology of captive and wild populations of endangered mud Monopterus cuchia	Prof. Dr. S.M. Rahmatullah Dept. of Aquaculture	BFRI
21	Development of induced breeding, larval rearing and culture techniques of ghaura, Clupisoma garua	Prof. Dr. Md. Idris Miah Dept. of Fisheries Management	BAU
22	Identification, assessment and management of fringe scale sardinella sardinella fimbriata stock in the Bay of Bengal	Prof. Dr. Zoarder Faruque Ahmed Dept. of Fisheries Management	BAU
23	Economic incentives to conserve Hilsa fish ( <i>Tenualosa ilisha</i> ) in Bangladesh	Prof. Dr. Zoarder Faruque Ahmed Dept. of Fisheries Management	IIED
24	Investigation on reproductive ecology and population management of lesser spiny eel <i>Macrogathus aculeatus</i> in Bangladesh	Prof. Dr. Mst. Kaniz Fatema Dept. of Fisheries Management	BAU
25	Aqua-innovation investigation-1	Prof. Dr. Mst. Kaniz Fatema Dept. of Fisheries Management	USAID
26	Study of reproductive endocrinology of mudeel monopterus cuchia for artificial propagation	Prof. Dr. Harunnur Rashid/Dr. Kaniz Fatema (In-charge) Dept. of Fisheries Management	BARC
27	Aqua-innovation investigation-3	Prof. Dr. Shahroz Mahean Haque Dept. of Fisheries Management	USAID
28	Aqua innovation lab	Prof. Dr. Md. Abdul Wahab/Prof. Dr. Shahroz Mahean Haque (In-charge) Dept. of Fisheries Management	USAID
29	Studies on the quality and safety aspect of fish and fishery products of Bangladesh.	Prof. Dr. Md. Abul Mansur Dept. of Fisheries Technology	BAU
30	Studies on the quality aspects and consumer's preference of pickle and condiment prepared from pangas ( <i>Pangasianodon hypothalmus</i> )	Prof. Dr. Fatema Hoque Shikha Dept. of Fisheries Technology	AU-GC
31	Development of quality salt-smoke dried fish product from some important fresh water fish species and their shelf life and acceptability at ambient storage condition	Prof. Dr. Subhash Chandra Chakraborty Dept. of Fisheries Technology	BAU
32	Consumer risk reduction of formalin in fresh fish by pomegranate peel and green tea extracts	Prof. Dr. A K M Nowsad Alam Dept. of Fisheries Technology	BAU
33	Production enhancement of aquaculture through innovative technologies in cage culture system in <i>haor</i> areas of Karimganj, Kishoreganj	Prof. Dr. A.K.M. Nowsad Alam Dept. of Fisheries Technology	KGF
34	Studies on the quality changes during handling and transportation of live pangas ( <i>Pangasianodon hypothalmus</i> )	Prof. Dr. Md. Ismail Hossain Dept. of Fisheries Technology	BAU

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### **Technical Session 13: Poster Presentation**

**Convenor** : Prof. Dr. M. Rafiqul Islam-1, Dept. of Soil Science  
**Member** : Prof. Dr. Md. Rafiqul Islam, Dept. of Pathology  
 : Prof. Dr. Md. Ruhul Amin, Dept. of Animal Science  
 : Prof. Dr. Md. Ali reza Faruk, Dept. of Aquaculture  
 : Prof. Dr. Md. Abdul Mojid, Dept. of Irrigation and Water Management  
 : Prof. Dr. Md. Saidur Rahman, Dept. of Agricultural Economics

**Venue** : Syed Nazrul Islam Conference Hall, BAU, Mymensingh

**Date and Time** : 14-05-2017, 2:30 pm to 5:00 pm

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
<b>Faculty of Veterinary Science</b>			
1	Effect of Long Term Administration of Antibiotics in Mammals	Prof. Dr. Moh. Rafiqul Islam Dept. of Anatomy and Histology	Most
2	Baleful effects of smoking on male fertility in mice	Prof. Dr. Shonkor Kumar Das Dept. of Anatomy and Histology	Most
3	Prevalence study, isolation, molecular characterization and antibiogram of shiga- toxin (STEC) producing Escherichia coliform from diarrheic children, diarrheic cattle, meat, and environmental samples	Prof. Dr.K.H.M. Nazmul Hussain Nazir Dept. of Microbiology and Hygiene	Most
4	Characterization of bacteria isolated from betel leaf and its public health importance	Prof. Dr. Mst. Minara Khatun Dept. of Microbiology and Hygiene	UGC
5	Investigation in Disease Resistance Capability of Newly Developed Chicken Strain (Shuvra) by Bangladesh Livestock Research Institute (BLRI)	Prof. Dr. Sukumar Saha Dept. of Microbiology and Hygiene	UGC
6	Investigation of Bovine Viral Diarrhoea Virus (BVDV) Infection of Dairy Cattle of Bangladesh using Bulk Milk Tank Samples	Prof. Dr. Sukumar Saha Dept. of Microbiology and Hygiene	Most
7	Epidemiological investigation on the etiological agent of Duck salmonellosis in Ducks of some selected areas of Bangladesh and recommendation of its effective control measures	Prof. Dr. Md. Shahidur Rahman Khan Dept. of Microbiology and Hygiene	Most
8	A comparative study of blood and milk chemistry of cows kept under commercial farming and open grazing system in Bangladesh.	Prof. Dr. Md. Kamrul Islam Dept. of Physiology	Most
9	Environmental contamination of heavy metals from ship breaking yards and its effect on microbial antibiotic resistance, and mitigation with spirulina	Dr. Md. Mahmudul Hasan Sikder Assoc. Prof. Dept. of Pharmacology	Most
10	Single or combined use of probiotic and phytobiotic in broiler and layer diets for safe food production	Prof. Dr. Kazi Rafiqul Islam Dept. of Pharmacology	Most
11	Molecular and microscopic investigation of pigeon malaria parasites in Bangladesh	Prof. Dr. Moh. Zahangir Alam Dept. of Parasitology	Most
12	Serological and molecular investigations of meat-borne parasitic infections in Mymensingh region	Prof. Dr. Md. Hasanuzzaman Talukder Dept. of Parasitology	Most
13	Status of chicken coccidiosis in small and large scale poultry farms in Bangladesh	Prof. Dr. Nurjahan Begum Dept. of Parasitology	Most
14	Development of recombinant immuno- diagnostics for the detection of Foot and Mouth disease virus	Prof. Dr. A.S. Mahfuzul Bari Dept. of Pathology	Most
15	Real time PCR for identification of Brucella species in ruminants in Bangladesh.	Prof. Dr. Md. Siddiqur Rahman Dept. of Medicine	Most
16	Investigation on Methicillin-Resistant Staphylococcus aureus (MRSA) of Animal and Human Origin in Selective Areas of Bangladesh	Prof. Dr. Md. Mahbub Alam Dept. of Medicine	UGC
17	Therapeutic and surgical management of grain overload in goats	Prof. Dr. Md. Rafiqul Alam Dept. of Surgery & Obstetrics	Most
18	Topical application of blemycin and mitomycin-C combinations on skin reconstruction using Black Bengal goat	Prof. Dr. Md. Mizanur Rahman Dept. of Surgery and Obstetrics	UGC
19	Lameness in indigenous horse: An unexplored ground	Prof. Dr. Md. Mizanur Rahman Dept. of Surgery & Obstetrics	Most

### Faculty of Agriculture

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
20	Improvement of grain yield, protein content and aroma level in fine aromatic Boro rice (cv. BRRI dhan50) through agronomic means	Dr. Swapan Kumar Paul, Asstt. Prof. Dept. of Agronomy	Most
21	Maximization of Yield I aman mustard-boro cropping pattern through using short duration aman rice varieties and minimum Water	Prof. Dr. Md. Abdus Salam Dept. of Agronomy	UGC
22	Intensification of rice based cropping system through agronomic management practices	Prof. Dr. Md. Abdus Salam Dept. of Agronomy	Most
23	Screening wheat lines/genotypes for heat tolerance under terminal heat stress	Prof. Dr. Ahmed Khairul Hasan Dept. Agronomy	UGC
24	Maximizing the grain yield and economic return of wheat through management practices under terminal heat stress	Prof. Dr. Ahmed Khairul Hasan Dept. of Agronomy	Most
25	Assessment of rotational crop residues for allelopathic weed suppression and selectivity to crops	Prof. Dr. Md. Romij Uddin Dept. of Agronomy	UGC
26	Allelopathic potential of sorghum and mustard for sustainable weed management in rice	Prof. Dr. Md. Romij Uddin Dept. of Agronomy	Most
27	Floristic composition of weeds in farmers' fields under two cropping patterns	Prof. Dr. Mahfuza Begum Dept. of Agronomy	Most
28	Alleviation of soil salinity in rice by efficient management of potassium and zinc nutrients	Prof. Dr. Md. Anamul Hoque Dept. of Soil Science	UGC
29	Integrated plant nutrient management for improving soil fertility and crop productivity in intensive cropping systems.	Prof. Dr. Md. Anamul Hoque Dept. of Soil Science	Most
30	Effect of green manuring on nitrogen fertility and organic matter build up in soil	Prof. Dr. Md. Rafiqul Islam-2 Dept. of Soil Science	UGC
31	Increase in N use efficiency and rice yield through water technologies and deep placement of N fertilizers	Prof. Dr. Md. Rafiqul Islam-2 Dept. of Soil Science	Most
32	Analysis of defense activities of plant activators, elicitors and biofungicides in plants and their application for plant disease management	Prof. Dr. Moh. Shahjahan Monjil Dept of Plant Pathology	Most
33	Pathogenic variability assessment of Bipolaris sorokiniana in seed to plant to seed transmission in wheat	Prof. Dr. Md. Atiqur Rahman Khokon Dept. of Plant Pathology	Most
34	Compost tea and poultry litter extract: a new approach in controlling major diseases of potato, tomato and brinjal in Bangladesh	Prof. Dr. Md. Rashidul Islam Dept. of Plant Pathology	UGC
35	Development of a sustainable management strategy for litchi fruit Borer conopomorpha sinensis bradley	Prof. Dr. Moh. Mahir Uddin Dept. of Entomology	UGC
36	Screening of okra varieties for resistance against Jassid, Amrasca devastans (Dist.) and its biorational management	Prof. Dr. Moh. Mahir Uddin Dept. of Entomology	Most
37	Bio-intensive integrated pest management strategy for Papaya Mealybug towards the production of safe fruit.	Prof. Dr. Khandakar Shariful Islam Dept. of Entomology	Most
38	Insect growth regulators (IGRs), botanicals and bacterial fermented derivatives: relative efficacy of these bio-rational pesticides against cucurbit fruit fly, a potential threat of cucurbit vegetables.	Prof. Dr. Gopal Das Dept. of Entomology	Most
39	Abundance, host range, and management of papaya mealybug, Paracoccus morganatus (Williams and Granara do Willink	Prof. Dr. Moh. Abul Manjur Khan Dept. Entomology	UGC
40	Sustainable maize production through IPM for food security in Bangladesh	Prof. Dr. Kazi Shahanara Ahmed Dept. of Entomology	Most
41	Storage of potato under natural conditions	Prof. Dr. Md. Ferdous Mondal Dept. of Horticulture	Most
42	Development of BAU-Germplasm Center (GPC) to facilitate the fruit research, education and extension.	Prof. Dr. M.A. Rahim Dept. of Horticulture	Most
43	Effect of different culture media on growth, yield and fruit quality of strawberry	Prof. Dr. Md. Mokter Hossain Dept. of Horticulture	UGC
44	Technique of raising quality seedlings for Boro rice averting winter cold injury in Bangladesh	Prof. Dr. M. Habibur Rahman Pramanik Dept. of Crop Botany	UGC
45	Dhainchaas a future renewable energy crop: Manipulation of biomass yield of some selected Dhaincha genetic resources of Bangladesh.	Prof. Dr. A.K.M. Golam Sarwar Dept. of Crop Botany	Most
46	Physico-chemical investigation and preservation of mature green seeds of Dipogon lignosus bean: A new source of protein nutrition security in Bangladesh	Prof. Dr. Md. Solaiman Ali Fakir Dept. of Crop Botany	Most



Sl. No.	Title of the project	Name of the PI with Department	Source of fund
47	Screening of Potato genotypes based on glucose and asparagine content to minimize acrylamide formation in potato chips and French fries	Prof. Dr. Md. Alamgir Hossain-2 Dept. of Crop Botany	UGC
48	Screening of barley genotypes for drought tolerance based on the contribution of culm reserves to grain yield	Prof. Dr. Md. Alamgir Hossain-2 Dept. of Crop Botany	Most
49	Evaluation of wheat genotypes in respect of the contribution of culm reserves to grain yield under drought stress	Prof. Dr. Md. Alamgir Hossain-1 Dept. of Crop Botany	UGC
50	Watercress: An introduced leafy vegetable in Bangladesh fighting for cancer	Prof. Dr. Md. Alamgir Hossain-1 Dept. of Crop Botany	Most
51	Food security and climate change issues: Meristem derived somaclones screening in vitro for salinity tolerant seed potato cultivar selection	Prof. Dr. M. Obaidul Islam Dept. of Crop Botany	Most
52	Responses to rising ambient temperature on cellular mechanism of wood formation in trees	Prof. Dr. Shahanara Begum Dept. of Crop Botany	Most
53	Eco-friendly virus free maize cultivation for poverty and food security in Bangladesh through molecular marker aided breeding	Prof. Dr. Md. Ashrafu Haque Dept. of Genetics and Plant Breeding	UGC
54	Biomolecular detection of the Lea gene in soybean against drought and for protein quality	Prof. Dr. Md. Ashrafu Haque Dept. of Genetics and Plant Breeding	Most
55	Characterization of lentil germplasm for yield and quality traits and identification of potential morphological and biochemical marker (s) linked to drought stress tolerance	Prof. Dr. Md. Amir Hossain Dept. of Genetics and Plant Breeding	Most
56	Identification of superior tomato varieties for higher antioxidant content	Prof. Dr. Md. Anwar Hossain Dept. of Genetics and Plant Breeding	UGC
57	Standardizing biochemical and physiological traits for reliable screening of wheat for drought stress tolerance	Mr. Sharif-Ar-Raffi, Assoc. Prof. Dept. of Genetics and Plant Breeding	UGC
58	Food security and climate change issues: Production and dissemination of short duration stress tolerant rice varieties to the farmers of Bangladesh	Prof. Dr. Lutful Hassan Dept. of Genetics & Plant Breeding	Most
59	Prospects and challenges of using ICT based media in agricultural technology transfer	Prof. Dr. Md. Hammadur Rahman Dept. of Agricultural Extension Education	UGC
60	Livelihood status of the farmers due to climate change in a selected area of Sathkira district	Prof. Dr. Moh. Jiaul Hoque Dept. of Agricultural Extension Education	Most
61	Effect of river bank erosion on food security of char-based social ecosystem: a farm level analysis from two upazilla of Mymensingh district	Subrato Kumar Kuri, Asstt. Prof. Dept. of Agricultural Extension Education	Most
62	Effect of income generating training on empowerment of resource poor women in Bangladesh	Prof. Dr. M. Abdul Momen Miah Dept. of Agricultural Extension Education	Most
63	Attitude of small-scale farmers towards role of one house one farm approach for their livelihoods improvement	Mr. M. Mojammel Haque Graduate Training Institute	Most
64	Fabrication of ZnO nanoparticles by solution combustion method and its application for purifying waste-water by photocatalytic degradation of organic dye molecules	Prof. Dr. Hari Pada Seal Dept. of Agricultural Chemistry	UGC
65	Economically sustainable production of chitosan from sea food waste and exploration of its application in the field of agriculture and fishery	Prof. Dr. Hari Pada Seal Dept. of Agricultural Chemistry	Most
66	Heavy metals contamination in vegetables grown in urban and industrial contaminated soils	Prof. Dr. Md. Zakir Hossen Dept. of Agricultural Chemistry	Most
67	Assessment of heavy metals in effluents of dyeing and tannery industries and their bio-sorption by different agricultural byproducts	Prof. Dr. Md. Abul Khair Chowdhury Dept. of Agricultural Chemistry	Most
68	Effects of heavy metals on tomato and cabbage grown in some industrially contaminated soils of Dhaka and Mymensingh districts	Prof. Dr. Md. Akhter Hossain Chowdhury Dept. of Agricultural Chemistry	Most
69	Evaluation and standardization of khaishya bean blended flour for industrial use	Prof. Dr. Md. Golam Mortuza Dept. of Biochemistry and Molecular Biology	Most
70	Effect of exogenous glycine betaine on mitigating abiotic stress in rice	Prof. Dr. M. Afzal Hossain Dept. of Biochemistry and Molecular Biology	Most
71	Morpho-molecular characterization and genetic diversity analysis of biodiesel plant <i>Jatropha curcas</i> L. in Bangladesh	Dr. Fahmida Khatun, Assoc. Prof. Dept. of Biotechnology	Most
72	Spatial variation of soil properties and extent of heavy metals in municipal solid waste dump site of Mymensingh	Prof. Dr. Md. Shahadat Hossen Dept. Environmental Science	UGC
73	Investigation on current air pollution status and its significant impacts on agriculture in Bangladesh	Dr. Md. Azharul Islam, Assoc. Prof. Dept. of Environmental Science	Most

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
74	Evaluation of solar radiation and energy budget components over rice paddy	Prof. Dr. Md. Abdul Baten Dept. Environmental Science	UGC
75	Seasonal and yearly variation of CO <sub>2</sub> and CH <sub>4</sub> flux over rice paddy field at the Mymensingh flux study site and probability of carbon trading	Prof. Dr. Md. Abdul Baten Dept. of Environmental Science	Most
<b>Faculty of Animal Husbandry</b>			
76	Molecular detection of meat animal species targeting mitochondrial cytochrome b (Cytb) gene	Prof. Dr. Md. Shamsul Alam Bhuiyan Dept. of Animal Breeding & Genetics	UGC
77	Yielding safe milk through production of healthy breeding stock by screening genetic diseases of breeding cattle in milk pocket areas for better food security of Bangladesh	Prof. Dr. Md. Omar Faruque Dept. Animal Breeding and Genetics	Most
78	Estimation of genetic merit and adaptability to local environment of graded Brahman calves for beef production in Bangladesh	Prof. Dr. Md. Azharul Hoque Dept. of Animal Breeding and Genetics	UGC
79	Genetic potentiality of Brahman cross calves in a farmers participatory breeding scheme and their comparison with available cattle genotypes of Bangladesh	Prof. Dr. Md Azharul Hoque Dept. of Animal Breeding and Genetics	Most
80	UNEP-gee-ILRI-FANGR Asia project	Prof. Dr. A.K. Fazlul Haque Bhuiyan Dept. of Animal Breeding & Genetics	UGC
81	Effects of different levels of dietary energy on the ovarian follicular development and oocyte quality in Black Bengal goats	Prof. Dr. Moh. Moniruzzaman Dept. of Animal Science	UGC
82	Cryopreservation of buffalo oocytes and follicles.	Prof. Dr. Moh. Moniruzzaman Dept. of Animal Science	Most
83	Manufacturing of complete pellet feed for cattle utilizing agricultural by-products and crop residues.	Prof. Dr. Zahirul Haque Khandaker Dept. of Animal Nutrition	Most
84	Safe and economic broiler production by addition of citric acid commercial diet agricultural science	Prof. Dr. Khan Md. Shaiful Islam Dept. of Animal Nutrition	UGC
8586	Spirulina culture in nitrogen enrich inorganic media as feed additive for poultry.	Prof. Dr. Khan Md. Shaiful Islam Dept. of Animal Nutrition	Most
87	Effect of pellet feeding on growth performance, plasma metabolites and carcass characteristics in sheep	Prof. Dr. Moh. Al-Mamun Dept. of Animal Nutrition	Most
88	Alternative feeding systems effect on productivity and profitability in dairy farming systems: application of mathematical programming model	Dr. Moh. Mohiuddin, Asstt. Prof., Dept. of Animal Nutrition	Most
89	Feeding garlic on growth performance and carcass characteristics in rabbits	Prof. Dr. Md. Kamruzzaman Dept. of Animal Nutrition	UGC
90	Feeding garlic leaf as a replacer of antibiotics on growth performance, blood profiles and carcass characteristics in sheep	Prof. Dr. Md. Kamruzzaman Dept. of Animal Nutrition	Most
91	Detection of adulteration and quality evaluation of raw milk collected from producers, local markets and goalas at different district in Dhaka division	Prof. Dr. Md. Harun-ur-Rashid Dept. of Dairy Science	UGC
92	Influence of balanced feed on the growth performance of dairy herd replacement stock of indigenous and high yielding breed	Prof. Dr. Md. Harun-ur- Rashid Dept. of Dairy Science	Most
93	Molecular characterization of difficult lines of quail using DNA markers	Prof. Dr. Md. Bazlur Rahman Mollah Dept. of Poultry Science	UGC
94	Molecular characterization of inbred lines of quail through microsatellite markers	Prof. Dr. Md. Bazlur Rahman Mollah Dept. of Poultry Science	Most
95	Study on ecogenetic characterization of indigenous guinea fowl ( <i>Numida meleagris</i> ) of Bangladesh	Prof. Dr. Shubash Chandra Das Dept. of Poultry Science	UGC
96	Meat quality and profitability of meat type Pekin duck under smallholder management with various feed supplementations	Prof. Dr. Shubash Chandra Das Dept. of Poultry Science	Most
97	Use of acidifiers as alternatives to antibiotics in broiler diet	Prof. Dr. S.D. Chowdhury Dept. of Poultry Science	Most
98	Assessment of effects of potato dietary supplementation of egg production and egg Quality of chicken: A requisite approach of formulating cost-effective ration	Prof. Dr. Fowzia Sultana Dept. of Poultry Science	UGC
99	Investigating potato fed sonali chickens growth performance, meat yield and profitability.	Prof. Dr. Fowzia Sultana Dept. of Poultry Science	Most
<b>Faculty of Agricultural Economics and Rural Sociology</b>			
100	Socioeconomic impact of 'One house one farm' project on indigenous households in Mymensingh district: food security and women empowerment perspective	Prof Dr. Md. Taj Uddin Dept. of Agricultural Economics	Most
101	Pond fish production in Bangladesh: Impact on farmer's household income, nutritional status and livelihoods	Prof. Dr. Md. Saidur Rahman Dept. of Agricultural Economics	Most
102	Production and supply of poultry feed and day old chicks: Policies, threats and performance of poultry sector in Bangladesh	Prof. Dr. Md. Akteruzzaman Dept. of Agricultural Economics	Most

Sl. No.	Title of the project	Name of the PI with Department	Source of fund
103	Carbon and ecological footprint of intensive aquaculture practice in Bangladesh.	Prof. Dr. Md. Akhtaruzzaman Khan Dept. of Agricultural Finance	Most
104	Impact of social safety net programs towards poverty alleviation in Bangladesh	Prof. Dr. Md. Wakilur Rahman Dept. Rural Sociology	UGC
<b>Faculty of Agricultural Engineering and Technology</b>			
105	Modeling the impact of climate changes on rice production in selected region of Bangladesh	Prof. Md. Zillur Rahman Dept. of Farm Structure & Environmental Engineering	Most
106	Design and devolvement of oil palm crusher for extraction of palm oil from fresh fruit brunch (FFB)	Prof. Dr. Md. Abdul Awal Dept. of Farm Power and Machinery	Most
107	Design and Development of an improved granular urea applicator	Prof. Dr. Murshed Alam Dept. of Farm Power and Machinery	UGC
108	Design and development of urea supper granular cum piled urea applicator to increase yield and decrease environmental pollution	Prof. Dr. Murshed Alam Dept. of Farm Power and Machinery	Most
109	Machine vision based system for grading maango fruits	Dr. Md. Abdul Momin, Assoc. Prof. Dept. of Farm Power and Machinery	UGC
110	Present mechanization status of rural poultry house in Bangladesh	Dr. Md. Hamidul Islam Assoc. Prof. Dept. of Farm Power and Machinery	Most
111	Farmers` perception on the adoption of reaper in selected areas of Bangladesh	Dr. Muh. Ashik-E-Rabbani, Assoc. Prof. Dept. of Farm Power and Machinery	Most
112	Design and development of an appropriate oil palm processing technology for the palm tree farmers of Bangladesh	Prof. Dr. Ehsanul Kabir Dept. of Farm Power and Machinery	Most
113	Non-destructive characterization and classification of banana and pineapple fruits by image analysis using computer vision system	Dr. Abdullah Iqbal, Assoc. Prof. Dept. of Food Technology and Rural Industries	Most
114	Conversion of corn residues into bio-ethanol and vinegar using immobilized microbes in a locally fabricated stirred tank bioreactor	Prof. Dr. Moh. Gulzarul Aziz Dept. of Food Technology and Rural Industries	Most
<b>Faculty of Fisheries</b>			
115	Cryopreservation of Sperm of Y.Y. supermale of Tilapia ( <i>Oreochromis niloticus</i> ) and production of genetically male tilapia (GMT) using preserved sperm	Prof. Dr. Md. Rafiqul Islam Sarder Dept. of Fisheries Biology & Genetics	UGC
116	Molecular identification of pathogens responsible for Mycotic disease in Indian major Carps (IMCS; Rohu, Catla, Mrigal) in fish farms	Dr. Moh. Nasif Sarowar, Assoc. Prof. Dept. of Fisheries Biology and Genetics	Most
117	Assessment of sprouted wheatgrass powder as an alternative to fishmeal for fish feed preparation	Prof. Dr. Md. Abdus. Salam Dept. of Aquaculture	Most
118	Optimization of dietary vitamin C on the growth and survival rate of <i>Catla catla</i>	Prof. Md. Sazzad Hossain Dept. of Aquaculture	Most
119	Investigation on the bacterial profile, food safety and fish health management inrecirculating aquaponic system	Dr. Tanvir Rahman, Assoc. Prof. Dept. of Aquaculture	Most
120	Development of improved Ngo PI (Fermented Product) and its shelf life study under different storage conditions	Prof. Dr. Fatema Hoque Shikha Dept. of Fisheries Technology	UGC
121	Development of different products from small indigenous species (SIS) of fish of Bangladesh for nutritional support round the year.	Prof. Dr. Md. Ismail Hossain Dept. of Fisheries Technology	Most

**All Principal Investigators, Chairpersons, Co-chairpersons, Organizers and Rapporteurs of all technical sessions are requested to attend the Dinner at Community Center, BAU, 14-05-2017; 8:30 pm**

## Concluding Session

- Chief Guest : **Prof. Dr. Md. Ali Akbar**  
Honorable Vice-Chancellor, BAU, Mymensingh
- Special Guest : **Prof. Dr. Md. Jasimuddin Khan**  
Honorable Pro-Vice Chancellor, BAU, Mymensingh  
:  
**Prof. Md. Abdur Rashid**  
Convener, Dean Council, BAU, Mymensingh  
**Dr. Torsten Rødel Berg**  
Senior Research Internationalization Adviser  
Dept of Agroecology, Denmark
- Chairperson : **Prof. Dr. Md. Munjurul Alam**  
Director, BAURES, BAU, Mymensingh
- Organizer : **Prof. Dr. Md. Atiqur Rahman Khokon**  
Associate Director, BAURES, BAU, Mymensingh
- Co-Organizers : **Prof. Dr. Md. Zainul Abedin**  
Dept. of Farm Structure and Environmental Engineering  
**Prof. Dr. Mohammad Moniruzzaman**  
Dept. of Animal Science  
:  
**Prof. Dr. Md. Alamgir Hossain-1**  
Dept. of Crop Botany  
**Prof. Dr. Md. Saidur Rahman**  
Dept. of Agricultural Economics
- Chief Rapporteur: **Prof. Dr. Md. Solaiman Ali Fakir**  
Dept. of Crop Botany
- Rapporteurs **Prof. Dr. Masum Ahmad**  
Dept. of Entomology  
**Prof. Dr. Shubash Chandra Das**  
Dept. of Poultry Science  
**Prof. Dr. Mohammad Mahfujul Haque**  
Dept. of Aquaculture  
**Prof. Dr. Chayan Kumar Saha**  
Dept of Farm Power & Machinery  
**Prof. Dr. Md. Alamgir Hossain-2**  
Dept of Crop Botany  
**Prof. Dr. Md. Akhtaruzzaman Khan**  
Dept. of Agricultural Finance
- Venue : Syed Nazrul Islam Conference Hall, BAU, Mymensingh
- Date and Time : **14-05-2017, 6:00 pm to 8:30 pm**
- Dinner : **Community Center, BAU, 14-05-2017; 8:30 pm**