

ইনস্টিটিউট অব রিসার্চ এন্ড ট্রেনিং (আইআরটি)
হাজী মোহাম্মদ দানেশ বিজ্ঞান ও প্রযুক্তি বিশ্ববিদ্যালয়
দিনাজপুর-৫২০০



স্মারক নংঃ হাবিপ্রবি/ আইআরটি/ ৩৩৫৮

তারিখঃ ২০/১০/২০২২

এ বিশ্ববিদ্যালয়ের নিজস্ব বাজেটে ও আইআরটি'র তত্ত্বাবধানে সম্মানিত শিক্ষকবৃন্দের গবেষণা কাজে সহায়তা করার লক্ষ্যে ২০২১-২২ অর্থবছরে স্ব-স্ব অনুযায়ী টেকনিক্যাল কমিটি কর্তৃক প্রতিটি প্রকল্প ২ (দুই) জন রিভিউয়ারের মূল্যায়নের ভিত্তিতে গত ০৭.১০.২০২১ ইং তারিখে অনুষ্ঠিত আইআরটি'র অ্যাডভাইজরি কমিটির ১৮ তম সভার সুপারিশ ও গভর্ণিং বডি'র ২১ তম সভার সিদ্ধান্ত মোতাবেক অনুমোদিত প্রকল্প সমূহের তালিকা অর্থ বরাদ্দ সহ নিম্নে প্রদত্ত ছক অনুসারে উল্লেখ করা হলো:-

ক্রমিক নং	গবেষণার শিরোনাম	প্রকল্প পরিচালকের নাম ও ঠিকানা	প্রকল্পের মেয়াদ	অর্থ বরাদ্দের পরিমাণ	মন্তব্য
1.	Yield, grain quality and 2-acetyl-1-pyrroline biosynthesis in aromatic rice as influenced by dose and application time of proline	Prof. Dr. Md. Shafiqul Islam Sikdar Dept. of Agronomy	01 year	1,05,000/-	
2.	Role of gibberellic acid (GA ₃) in improving salt tolerance of wheat	Prof. Dr. Md. Sohulul Islam Dept. of Agronomy	01 year	1,05,000/-	
3.	Comparison of weed control methods on weed infestation and productivity of foxtail millet (<i>Setaria italica</i>)	Prof. Dr. Md. Mominur Rahman Dept. of Agronomy	01 year	97,000/-	
4.	Evaluation of INFOCROP growth model for simulating the performance of Trichoderma-enriched bio-organic fertilizer in N supplementation on the growth and yield of mustard (<i>Brassica rapa</i> L.) varieties under different growing condition	Dr. Shams Shaila Islam Assistant Professor Dept. of Agronomy	01 year	1,05,000/-	
5.	Performance of different varieties and nutrient management practices on growth, yield and quality in knolkhol (<i>Brassica oleracea</i> var. <i>gongylodes</i> L.)	Prof. Dr. Md. Anis Khan Dept. of Horticulture	01 year	1,05,000/-	
6.	Prolonging shelf life of mango by some physical management practices	Prof. Dr. Bidhan Chandra Halder Dept. of Horticulture	01 year	1,05,000/-	
7.	Influence of different GA ₃ concentration and fertilizer management practices on growth, yield and quality of broccoli	Prof. Dr. Mohammad Ahsanul Kabir Dept. of Horticulture	01 year	97,000/-	
8.	Effect of pre-harvest bagging on physio-chemical properties and shelf-life of mango cv. Gopalvog	Prof. Dr. Md. Tariqul Islam Dept. of Horticulture	01 year	97,000/-	
9.	Effect of pre-harvest fruit bagging on post-harvest yield and quality of tomato	Dr. Md. Hassanur Rahman Associate Professor Dept. of Horticulture	01 year	97,000/-	
10.	Effect of indigo (<i>Indigofera tinctoria</i> L.) green manuring on the performance of earthworm which influences the growth and yield of chilli	Prof. Dr. A.K.M. Mosharof Hossain Dept. of Soil Science	01 year	97,000/-	
11.	Effect of different sources of nitrogen on the growth and yield of chilli (<i>Capsicum</i> spp.) in AEZ-1 (Dinajpur district)	Prof. Dr. Md. Shahadat Hossain Khan Dept. of Soil Science	01 year	92,000/-	
12.	Effect of inorganic fertilizers and biochar for the growth and yield of different vegetables	Prof. Dr. Shah Moinur Rahman Dept. of Soil Science	01 year	1,05,000/-	
13.	Effects of arsenic and biochar on the growth, arsenic accumulation and environmental risk assessment of red amaranth	Dr. Md. Abdullah Al mamun Associate Professor Dept. of Soil Science	01 year	1,05,000/-	
14.	Seasonal abundance of spider mites and their predators on winter vegetables	Prof. Dr. Hasan Fuad El Taj Dept. of Entomology	01 year	97,000/-	
15.	Biopotency of novel formulated	Prof. Dr. Md. Alamgir Hossain	01 year	1,05,000/-	



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	insecticides against the <i>Maruca vitrata</i> F. (lepidoptera: crambidae) on yard long bean	Dept. of Entomology			
16.	Management of litchi fruit borer using different bagging materials in an organic system	Prof. Dr. Md. Abdul Alim Dept. of Entomology	01 year	97,000/-	
17.	Evaluation of insecticidal potency of six indigenous weed extracts against cucurbit fruit fly, <i>Bactrocera cucurbitae</i> (Coquillett) (Diptera: tephritidae)	Prof. Dr. Md. Adnan Al Bachchu Dept. of Entomology	01 year	1,05,000/-	
18.	Evaluation of some selective pesticides against <i>Tetranychus urticae</i> koch (acari: tetranychidae) and their side effects on its predator <i>Coccinella septempunctata</i> (L.)	Prof. Dr. Md. Nizam Uddin Dept. of Entomology	01 year	97,000/-	
19.	Efficacy of five spices extracts against rice weevil, <i>Sitophilus oryzae</i> L. (Coleoptera: curculionidae)	Prof. Dr. Mohammad Mosharof Hossain Bhuyain Dept. of Entomology	01 year	1,05,000/-	
20.	Relation between leaf and neck blast intensity in some model rice genotypes (<i>Oryza sativa</i> L.) in Dinajpur	Prof. Dr. Md. Mamunur Rashid Dept. of Plant Pathology	01 year	1,05,000/-	
21.	Integrated management of late blight disease of tomato caused by <i>Phytophthora infestans</i>	Prof. Dr. SK. Md. Mobarak Hossain Dept. of Plant Pathology	01 year	1,05,000/-	
22.	Biological control of meloidogyne javanica against root-knot of tomato	Prof. Dr. S.M. Emdadul Hassan Dept. of Plant Pathology	01 year	97,000/-	
23.	Molecular identification of beneficial bacteria showing antibacterial efficacy against <i>Ralstonia solanacearum</i> responsible for wilt disease of brinjal	Prof. Dr. Md. Mohidul Hasan Dept. of Plant Pathology	01 year	92,000/-	
24.	Estimation of proline and amylose content in native land races of fine rice to identify superior cultivars	Prof. Dr. Bhabendra Kumar Biswas Dept. of Genetics and Plant Breeding	01 year	97,000/-	
25.	Assessment of genetic variability in advance breeding lines of wheat (<i>Triticum aestivum</i> L.) under heat stress	Prof. Dr. Md. Hasanuzzaman Dept. of Genetics and Plant Breeding	01 year	1,05,000/-	
26.	Maintaining and improving the characteristics of maize inbred lines	Prof. Dr. Md. Abul kalam Azad Dept. of Genetics and Plant Breeding	01 year	97,000/-	
27.	Detection of nutrient and antioxidant rich Boro rice genotypes using microsatellite (SSR) markers	Prof. Dr. Md. Arifuzzaman Dept. of Genetics and Plant Breeding	01 year	97,000/-	
28.	Effect of growth stage-based irrigation schedules on biomass accumulation, water use and yield of wheat	Prof. Dr. Md. Maniruzzaman Bahadur Dept. of Crop Physiology and Ecology	01 year	97,000/-	
29.	Improvement of drought tolerance in wheat through exogenous application of potassium	Prof. Dr. Sripati Sikder Dept. of Crop Physiology and Ecology	01 year	97,000/-	
30.	Supplemental irrigation and fertilization to ameliorate the adverse effect of terminal drought stress on transplanted Aman rice	Prof. Dr. Md. Abu Hasan Dept. of Crop Physiology and Ecology	01 year	1,05,000/-	
31.	Application of biochar and poultry litter based compost to mitigate the effects of water stress on Boro rice cultivation	Prof. Dr. Abu Khayer Md. Muktaadirul Bari Chowdhury Dept. of Crop Physiology and Ecology	01 year	92,000/-	
32.	Evaluation of germination, seedling growth and physiological attributes of giant milkweed as influenced by habitat and seed	Dr. Md. Rabiul Islam Associate Professor Dept. of Crop Physiology and Ecology	01 year	1,05,000/-	



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	size				
33.	Constraints faced by the farmers in management of banana cultivation in Bogura district	Prof. Dr. Abu Sayed Mondol Dept. of Agricultural Extension	01 year	92,000/-	
34.	Effect of COVID 19 in vegetable production under Dinajpur district	Prof. Dr. Saiful Huda Dept. of Agricultural Extension	01 year	97,000/-	
35.	Farm families' resilience strategies against COVID-19	Prof. Dr. Md. Faruq Hasan Dept. of Agricultural Extension	01 year	97,000/-	
36.	Investigation of chemical properties and nutrient composition of two dragon fruit cultivars in Bangladesh	Prof. Dr. Bikash Chandra Sarker Dept. of Agricultural Chemistry	01 year	97,000/-	
37.	Manufacturing biscuits for diabetic patients from moringa leaves and assessing their biochemical properties	Prof. Dr. Md. Jahidul Islam Dept. of Agricultural Chemistry	01 year	97,000/-	
38.	Effect of salinity on growth, biochemical and nutritional attributes of stevia grown in Bangladesh	Prof. Dr. Md. Abdul Hakim Dept. of Agricultural Chemistry	01 year	97,000/-	
39.	Varietal performance evaluation of garlic production influenced by different fertilizer applications under moringa based agroforestry systems	Prof. Dr. Md. Shafiqul Bari Dept. of Agroforestry and Environment	01 year	1,05,000/-	
40.	Study on the biodiversity and regeneration status of Singra sal forest and its sustainable restoration plan	Prof. Dr. Md. Shoaibur Rahman Dept. of Agroforestry and Environment	01 year	1,05,000/-	
41.	Exploring carbon stock and its regulators in sal tree dominated Singra national park of northern Bangladesh	Dr. Md. Abu Hanif Assistant Professor Dept. of Agroforestry and Environment	01 year	92,000/-	
42.	Effect of sodium fluoride (NaF) induced toxicity on morpho-physiology, antioxidant enzymes activity, growth and yield of wheat in Bangladesh	Dr. Md. Abu Sayed Associate Professor Dept. of Biochemistry and Molecular Biology	01 year	97,000/-	
43.	Investigating salt stress-induced changes of osmoprotectants and antioxidant enzymes activities in purple rice and green rice	Dr. Mst. Nur-E-Nazmun Nahar Associate Professor Dept. of Biochemistry and Molecular Biology	01 year	1,05,000/-	
44.	Quality assessment of stevioside-supplemented diabetic biscuit by analyzing its effects on liver functions and histomorphology of rabbit	Dr. Md. Yeasin Prodhan Associate Professor Dept. of Biochemistry and Molecular Biology	01 year	97,000/-	
45.	Exploring of plant-growth-promoting and organophosphorus insecticides degrading traits of <i>serratia</i> , <i>citrobacter</i> and <i>acinetobacter</i> species through its whole genome sequence to <i>insilico</i> analysis	Dr. Md. Azizul Haque Assistant Professor Dept. of Biochemistry and Molecular Biology	01 year	1,05,000/-	
46.	Agricultural crop cultivation and production rate prediction in Bangladesh using deep learning	Md. Fazle Rabbi Associate Professor Dept. of Computer Science and Engineering	01 year	1,05,000/-	
47.	Land use and land cover change estimation from 1971 to 2021 in the northern area of Bangladesh by using landsat satellite data	Masud Ibn Afjal Assistant Professor Dept. of Computer Science and Engineering	01 year	1,05,000/-	
48.	Transfer learning based tomato leaf disease detection using cnn combined with BI-LSTM	Hasi Saha Assistant Professor Dept. of Computer Science and	01 year	1,05,000/-	



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		Engineering			
49.	Extracting Agriculture Lands from Satellite Remote Sensing Hyperspectral Imagery Using Deep Convolutional Neural Network	Md. Rashedul Islam Assistant Professor Dept. of Computer Science and Engineering	01 year	1,05,000/-	
50.	Teesta river shape and land cover change monitoring from landsat imagery: a remote sensing and GIS approach on north-western districts of Bangladesh	Md. Nahid Sultan Assistant Professor Dept. of Computer Science and Engineering	01 year	97,000/-	
51.	Incorporation of deep learning classifier for identification of lysine phosphoglycerylation in protein using multiple sequence-based features	Md. Sohrawordi Assistant Professor Dept. of Computer Science and Engineering	01 year	1,05,000/-	
52.	Computer aided diagnosis of heart disease using machine learning algorithms	Md. Safiqul Islam Assistant Professor Dept. of Electrical and Electronic Engineering	01 year	1,05,000/-	
53.	Detection of diabetic retinopathy from retinal fundus images using multilayered convolutional neural network	Md. Ferdous Wahid Assistant Professor Dept. of Electrical and Electronic Engineering	01 year	1,05,000/-	
54.	Development of a smart integrated system for the detection of drowsiness and warning to the driver for the application of safe vehicle driving	Prof. Dr. Md. Mahabub Hossain Dept. of Electronics and Communication Engineering	01 year	1,05,000/-	
55.	IoT based smart reporting on atmospheric condition for irrigation	Md. Mehedi Islam Associate Professor Dept. of Electronics and Communication Engineering	01 year	92,000/-	
56.	Development of nitride based deep ultra-violet light emitting diode for high light extraction efficiency	Dr. Md. Dulal Haque Associate Professor Dept. of Electronics and Communication Engineering	01 year	97,000/-	
57.	High-speed dispersion measurement using optical frequency comb	Dr. Nasrin Sultana Assistant Professor Dept. of Electronics and Communication Engineering	01 year	1,05,000/-	
58.	Implementation of a noise cancellation scheme for underwater acoustic communication combining kalman filter with adaptive FxNLMS and phase spectrum compensation	Sumonto Sarker Assistant Professor Dept. of Electronics and Communication Engineering	01 year	92,000/-	
59.	Design a fair channel access time (F-CAT) based grouping for heterogeneous traffic condition of stations in dynamic and dense IEEE 802.11 AH IoT networks	Md. Abubakar Siddik Assistant Professor Dept. of Electronics and Communication Engineering	01 year	1,05,000/-	
60.	Modeling and performance evaluation of solar paraboloidal dish receiver system	Md. Kamal Hossain Assistant Professor Dept. of Electronics and Communication Engineering	01 year	92,000/-	
61.	Assessing the tax payer's perceptions towards existing taxing policy in Bangladesh: evidence from personal tax	Prof. Md. Mamunar Rashid Dept. of Accounting	01 year	1,05,000/-	



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62.	Impact of environmental tax and country governance system on carbon emission and climate change mitigation	Mohammad Mazibar Rahman Assistant Professor Dept. of Accounting	01 year	1,05,000/-	
63.	Analysis of sustainability reporting practiced by the banks Operating in Bangladesh in accordance with global reporting Initiatives towards achieving sustainable development goals	Mohammad Main Uddin Assistant Professor Dept. of Accounting	01 year	1,05,000/-	
64.	Impact of climate vulnerability index in economic status of farmers: a case study from Kurigram and Lalmonirhat	Dr. Mohammad Zoynul Abedin Associate Professor Dept. of Finance and Banking	01 year	1,05,000/-	
65.	Impact of non green factors on irr and girr: a study on paddy, wheat and potato	Md. Jahangir Alam Siddiquee Assistant professor Dept. of Finance and Banking	01 year	1,05,000/-	
66.	Impact of environmental cost on the production cost of crops. a study on three crops in Dinajpur and Thakurgaon district of Bangladesh	Rony Kumar Datta Assistant professor Dept. of Finance and Banking	01 year	1,05,000/-	
67.	The impact of corporate social responsibility on financial stability and financial inclusion in the banking sector of Bangladesh	Mahbuba Aktar Assistant Professor Dept. of Finance and Banking	01 year	1,05,000/-	
68.	The COVID-19 crisis and microcredit repayment in Bangladesh	Jesmin Ara Assistant professor Dept. of Finance and Banking	01 year	1,05,000/-	
69.	The impact of COVID-19 on the banking system of state owned commercial banks in Bangladesh	Ayrin Sultana Assistant professor Dept. of Finance and Banking	01 year	1,05,000/-	
70.	Effect of liquidity on profitability of private and state-owned commercial banks of Bangladesh: revisited panel data analysis	Humaira Begum Assistant professor Dept. of Finance and Banking	01 year	1,05,000/-	
71.	Country political risk and economic complexity effects on renewable energy investment and climate changes	Prof. Md. Kutub Uddin Dept. of Management	01 year	1,05,000/-	
72.	Entrepreneurial intentions and entrepreneurial success: does educational and social support matter?	Dr. Md. Alamgir Hossain Associate Professor Dept. of Management	01 year	1,05,000/-	
73.	Role of social media in tourism development: a multimodal mediation analysis in an emerging economy	Abul Kalam Associate Professor Dept. of Marketing	01 year	1,05,000/-	
74.	Sentiment analysis and review rating prediction of the users of Bangladeshi shopping apps	Dr. Md. Shamim Hossain Associate Professor Dept. of Marketing	01 year	1,05,000/-	
75.	Production of tubicid worm, <i>Tubifex tubifex</i> in cemented tanks and assess its impacts on growth and survival on catfish fry (<i>Ompok pabda</i>)	Prof. Dr. Imran Parvez Dept. of Fisheries Biology and Genetics	01 year	97,000/-	
76.	Potentiality of deep-processing and industrialization of major commercial fishes in Bangladesh	Dr. Md. Rashidul Islam Assistant Professor Dept. of Fisheries Biology and Genetics	01 year	97,000/-	
77.	Morphometric variation of Asiatic snakehead <i>Channa orientalis</i> between wild open and captive sources of northwestern	Imran Hoshan Assistant Professor Dept. of Fisheries Biology and Genetics	01 year	92,000/-	

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	Bangladesh				
78.	Understanding the consumer choices toward fish consumption and its relationship with influencing factors: A comparative study of Dinajpur and Rangpur district	Prof. Dr. Zannatul Ferdoushi Dept. of Fisheries Management	01 year	97,000/-	
79.	Effect of black cumin oil (<i>Nigella sativa</i> L.) on the shelf life and quality of Bata (<i>Labeo bata</i>) fish fillets stored in refrigerated storage	Dr. Md. Reazul Islam Associate Professor Dept. of Fisheries Technology	01 year	97,000/-	
80.	Extraction of chitosan from shrimp shell and its physicochemical and antioxidant properties	Jasmin Naher Assistant Professor Dept. of Fisheries Technology	01 year	97,000/-	
81.	Effect of dietary prebiotic <i>Mannan oligosaccharide</i> on growth performance and health status of pabda catfish (<i>Ompok pabda</i>) juveniles	Prof. Dr. Mst. Nahid Akter Dept. of Aquaculture	01 year	97,000/-	
82.	An experiment on growth performances of tilapia in aquaponic systems	Prof. Dr. A. S. M. Kibria Dept. of Aquaculture	01 year	97,000/-	
83.	Effect of rearing density on growth, stress responses, digestive enzyme activity, proximate composition and hematological parameters of Nile Tilapia (<i>Oreochromis niloticus</i>) in recirculating aquaculture system	Md. Abu Zafar Assistant Professor Dept. of Aquaculture	01 year	97,000/-	
84.	Comparative study of water quality parameters and planktonic populations among carp and catfish culture ponds in Haripur upazilla in Thakurgaon district	Mst. Masuma khatun Assistant Professor Dept. of Aquaculture	01 year	97,000/-	
85.	Optimization of biofloc technology (BFT) of catfish, <i>Clarius batrachus</i> for three different life stages in terms of feeding and water quality	Sheik Istiak Md. Shahriar Assistant Professor Dept. of Aquaculture	01 year	1,05,000/-	
86.	Study of sludge remover set working in fish pond	Prof. Dr. Mohammad Shiddiqui Rahman Dept. of Agricultural and Industrial Engineering	01 year	97,000/-	
87.	Study of dairy-farm wastewater constituents' and its impact on environment	Prof. Dr. Md. Mofizul Islam Dept. of Agricultural and Industrial Engineering	01 year	92,000/-	
88.	Lab-scale prototype design and testing of a corn picker	Dr. Md. Shaha Nur Kabir Associate Professor Dept. of Agricultural and Industrial Engineering	01 year	97,000/-	
89.	Isolation and characterization of probiotic bacteria from fermented rice and application in the food system	Prof. Dr. Maruf Ahmed Dept. of Food Processing and Preservation	01 year	1,05,000/-	
90.	Effect of freeze-drying on physico-chemical properties and bioactive compounds of dried papaya fruit puree	Dr. S.M. Kamrul Hasan Associate Professor Dept. of Food Processing and Preservation	01 year	97,000/-	
91.	Evaluation of bioactive compounds, antioxidant activity and capsaicinoid compounds at different varieties of chilli	Most. Jesmin Akhter Assistant Professor Dept. of Food Processing and	01 year	1,05,000/-	



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	(<i>Capsicum</i> sp.)	Preservation			
92.	Quality determination of naturally and induced fermented virgin coconut oil (vco) by <i>saccharomyces cerevisiae</i> : a combined method approach	Md. Murtuza kamal Assistant Professor Dept. of Food Processing and Preservation	01 year	92,000/-	
93.	Physico-chemical and nutritional analysis of green banana flour and utilization in biscuit as a source of antioxidant	Dr. Md. Sultan Mahomud Associate Professor Department of Food Engineering and Technology	01 year	1,05,000/-	
94.	Effect of blanching and osmotic dehydration on drying kinetics and physico-chemical properties of microwave dried jujubes	Joysree Roy Assistant Professor Dept. of Food Engineering and Technology	01 year	97,000/-	
95.	Development of biodegradable cellulose film from banana pseudo stem	Sabina Yasmin Assistant Professor Dept. of Food Engineering and Technology	01 year	1,05,000/-	
96.	Comparative studies on nutritional quality of selected local varieties brown (unpolished) and white (polished) rice in Dinajpur district	Md. Abdul Momin Sheikh Assistant Professor Department of Food Engineering and Technology	01 year	1,05,000/-	
97.	Impact of abamectin pesticide exposure on tea-leaf metabolome and tea quality: a metabolomics approach using lc-ms and ¹ h nmr spectroscopy	Dr. N. H. M. Rubel Mozumder Associate Professor Dept. of Food Science and Nutrition	01 year	1,05,000/-	
98.	Pretreatment of aggregate obtained by concrete recycling to produce environment-friendly green concrete	Md. Roknuzzaman Assistant Professor Dept. of Civil Engineering	01 year	1,05,000/-	
99.	Investigation on fowl adenovirus circulating in Bangladesh with development of effective vaccination program against identified isolates (continuation)	Prof. Dr. Md. Mostafizer Rahman Dept. of Microbiology	01 year	1,05,000/-	
100.	Molecular characterization of antibiotic resistant bacteria causing diseases in goat at Dinajpur district	Prof. Dr. Md. Khaled Hossain Dept. of Microbiology	01 year	1,05,000/-	
101.	Isolation, identification characterization of vibrio colerae from human stool with antibiogram study	Prof. Dr. Mir Rowshan Akter Dept. of Microbiology	01 year	1,05,000/-	
102.	Identification of food borne bacteria from Ready-to-Eat (RTE) foods sold in Dinajpur Sadar Upazila and determination of antimicrobial susceptibility patterns of the isolated bacteria	Dr. Md. Fakhruzzaman Associate Professor Dept. of Microbiology	01 year	1,05,000/-	
103.	Molecular characterization of diarrhea causing gram negative enteric bacteria isolated from environmental waste sources (soil and water) and study of their antibiotic resistance profiles	Dr. Nazmi Ara Rumi Assistant Professor Dept. of Microbiology	01 year	97,000/-	
104.	Effectivity of different commercial vaccines against challenges of local isolate of VVIBDV in broiler chickens	Prof. Dr. Md. Nazrul Islam Dept. of Pathology & Parasitology	01 year	97,000/-	
105.	Prevalence and pathology of chlamydia psittaci infection in chicken	Dr. Md. Mominul Islam Assistant Professor Dept. of Pathology and Parasitology	01 year	1,05,000/-	



ইনস্টিটিউট অব রিসার্চ এন্ড ট্রেনিং (আইআরটি)
হাজী মোহাম্মদ দানেশ বিজ্ঞান ও প্রযুক্তি বিশ্ববিদ্যালয়
দিনাজপুর-৫২০০



ক্রমিক নং	গবেষণার শিরোনাম	প্রকল্প পরিচালকের নাম ও ঠিকানা	প্রকল্পের মেয়াদ	অর্থ বরাদ্দের পরিমাণ	মন্তব্য
106.	Dietary supplementation of different protein source feed ingredients on production performance, egg quality and gut micro flora of laying hens	Prof. Dr. Mst. Afroza Khatun Dept. of Dairy & Poultry Science	01 year	97,000/-	
107.	Serum biochemical profile and performance of broiler chickens fed ration enriched with star gooseberry (<i>Phyllanthus acidus</i> L.)	Prof. Dr. Tahera Yeasmin Dept. of Dairy & Poultry Science	01 year	92,000/-	
108.	Study on postnatal development of squab and egg morphometry of different breeds of pigeon available at northern Dinajpur district in Bangladesh	Prof. Dr. Md. Najmul Hassan Parvez Dept. of Anatomy & Histology	01 year	92,000/-	
109.	Effect of low dose exposure to endosulfan (an organochlorine pesticide) on morphological and hormonal aspect of female reproductive system of rabbit	Prof. Dr. Md. Tohedar Rahman Dept. of Anatomy & Histology	01 year	1,05,000/-	
110.	Effects of 2G, 3G and 4G mobile radiation on the development of chicken embryo	Dr. Md. Sadequl Islam Assistant Professor Dept. of Anatomy & Histology	01 year	97,000/-	
111.	Histomorphological characteristics of pre and postmilking teats and their associations with risk of clinical mastitis in dairy cows in northern part of Bangladesh	Dr. Khadija Al Ferdous Assistant Professor Dept. of Anatomy & Histology	01 year	97,000/-	
112.	Organic and inorganic minerals in Sonali chicken diets: Effect on production performance and meat quality	Md. Nurul Amin Assistant professor Animal Science and Nutrition	01 year	97,000/-	
113.	Toxic effects of inorganic arsenic on body growth and different organs of adult female mice	Dr. Md. Rashedul Islam Associate Professor Dept. of Genetics and Animal Breeding	01 year	97,000/-	
114.	Growth performance, testicular morphometric traits and semen quality of rabbit buck supplemented with dietary zinc	Prof. Dr. Begum Fatema Zohara Dept. of Medicine, Surgery and Obstetrics	01 year	1,05,000/-	
115.	Comparative efficacy of anaesthetic drugs for cornual nerve block in Black Bengal goats	Prof. Dr. Umme Kulsum Rima Dept. of Medicine, Surgery and Obstetrics	01 year	1,05,000/-	
116.	Radiographic evaluation of iohexolumum as contrast agent in rabbit urinary system model	Prof. Dr. Mohammad Saiful Islam Dept. of Medicine, Surgery and Obstetrics	01 year	1,05,000/-	
117.	Effects of honey supplementation into tris-based extender on Black Bengal buck semen preservation	Prof. Dr. Md. Faruk Islam Dept. of Medicine, Surgery and Obstetrics	01 year	1,05,000/-	
118.	Biosynthesis of zinc oxide nanoparticles (ZnO nps) for burn wound treatment in rabbit model	Prof. Dr. Rakibul Islam Dept. of Physiology and Pharmacology	01 year	97,000/-	
119.	Determination and optimization of ovary status through chemical analysis of urine, milk and blood in dairy cattle	Dr. Md. Bazlar Rashid (PhD) Associate Professor Dept. of Physiology and Pharmacology	01 year	97,000/-	
120.	Efficacy of bitter melon extract and zinc oxide nano particles against drug induced diabetic nephropathy in mice	Dr. Mst. Misrat Masuma Parvez Assistant Professor Dept. of Physiology and Pharmacology	01 year	97,000/-	
121.	Synthesis and characterization of ZnO/TiO ₂ /BiOBr nanocomposite by hydrothermal process for visible light	Prof. Dr. Md. Shamsuzzoha Dept. of Chemistry	01 year	97,000/-	

(Signature)



ইনস্টিটিউট অব রিসার্চ এন্ড ট্রেনিং (আইআরটি)
হাজী মোহাম্মদ দানেশ বিজ্ঞান ও প্রযুক্তি বিশ্ববিদ্যালয়
দিনাজপুর-৫২০০



ক্রমিক নং	গবেষণার শিরোনাম	প্রকল্প পরিচালকের নাম ও ঠিকানা	প্রকল্পের মেয়াদ	অর্থ বরাদ্দের পরিমাণ	মন্তব্য
	induced photocatalysis				
122.	Synthesis of some schiff bases and mannich bases from various acetylated derivatives of isatin as cytotoxic agent	Dr. Uttam Kumar Sarker Assistant professor Dept. of Chemistry	01 year	1,05,000/-	
123.	Synthesis and characterization of zinc supported hydroxyapatite and cobalt ferrite nanocomposite to degrade catalytic organic dye effectively	Prof. Dr. Md. Mominul Islam Dept. of Physics	01 year	1,05,000/-	
124.	Analysis of $^{12}\text{C}+^{12}\text{C}$ elastic scattering cross-section and fusion at low energies	Md. Sujan Islam Assistant Professor Dept. of Physics	01 year	97,000/-	
125.	A study on exact and solitary wave solutions of non linier evolution equations in mathematical physics	Prof. Dr. Md. Mamunur Rashid Dept. of Mathematics	01 year	97,000/-	
126.	A diophantine equation related to a lattice cubic	Prof. Dr. S. M. Shahidul Islam Dept. of Mathematics	01 year	97,000/-	
127.	Further innovative optical solitons of fractional nonlinear quadratic-qubic schrodinger equation via two techniques	Md. Tarikul Islam Associate Professor Dept. of Mathematics	01 year	1,05,000/-	
128.	A mathematical eco-friendly sustainable green inventory model for agricultural products	Abu Hashan Md. Mashud Assistant Professor Dept. of Mathematics	01 year	97,000/-	
129.	Estimation of technical change and efficiency of wheat production in Bangladesh using stochastic frontier models	Prof. Dr. Md. Earfan Ali Khondaker Dept. of Statistics	01 year	97,000/-	
130.	A comparative study of victorian era in the writings of Robert Browning and Dinabandhu Mitra	Dipak Kumar Sarkar Assistant Professor Dept. of English	01 year	1,05,000/-	
131.	Effectiveness of using online assessment platform (edmodo) for testing students' performance at Hajee Mohammad Danesh Science and Technology University	Md. Faisal Haque Assistant Professor Dept. of English	01 year	1,05,000/-	
132.	Relationship between teachers' immediacy behavior and students motivation in online classes	Rizwan Ahmed Assistant Professor Dept. of English	01 year	1,05,000/-	
133.	Verisimilitude: A comparative study of Mark Twain's the adventures of Huckleberry Finn and Paulo Coelho's the alchemist	A.S.M. Mahbubur Rahman Assistant Professor Dept. of English	01 year	92,000/-	
134.	Effect of mobile phone ownership on productivity of rice farmers in selected areas of Dinajpur district	Prof. Dr. Fahima Khanam Dept. of Economics	01 year	1,05,000/-	
135.	Livelihood diversification and household welfare of tribal people living in Dinajpur district	Prof. Dr. Md. Golam Rabbani Dept. of Economics	01 year	97,000/-	
136.	Comparative analysis between wheat and maize cultivation on the basis of profitability and technical efficiency	Prof. Rozina Yeasmin (Lucky) Dept. of Economics	01 year	97,000/-	
137.	A study on the livelihood challenges experienced by the transgender community in Bangladesh	Md. Abdur Rashid Associate Professor Dept. of Sociology	01 year	97,000/-	
138.	Livelihood adaptation strategy to climate change in coastal region of Bangladesh	Hasan Jamil Assistant Professor Dept. of Sociology	01 year	1,05,000/-	



ইনস্টিটিউট অব রিসার্চ এন্ড ট্রেনিং (আইআরটি)
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দিনাজপুর-৫২০০



ক্রমিক নং	গবেষণার শিরোনাম	প্রকল্প পরিচালকের নাম ও ঠিকানা	প্রকল্পের মেয়াদ	অর্থ বরাদ্দের পরিমাণ	মন্তব্য
139.	Attachment to the place of heritage and its impacts on livelihood: A study on the community of Kantanagar mouza, Dinajpur	Asrafi Bintay Akram Assistant Professor Dept. of Sociology	01 year	1,05,000/-	
140.	Microcredit and women empowerment: A sociological analysis on Sreemongal upazilla under Moulvibazar district	Mohammad Saifuddin Durud Associate Professor Dept. of Sociology	01 year	92,000/-	
141.	What causes unemployment among educated youths in Bangladesh: demystifying the psycho-social and socio-economic narratives	Md. Juwel Ahmed Sarker Assistant Professor Dept. of Development Studies	01 year	92,000/-	

উপাচার্য মহোদয়ের অনুমোদনক্রমে

[Signature]
28/01/2022

প্রফেসর ড. এস. এম. হারুন-উর-রশীদ
পরিচালক (আইআরটি)

প্রকল্প পরিচালনার ক্ষেত্রে কিছু গুরুত্বপূর্ণ শর্তাবলী :

- প্রতিটি প্রকল্প সংশ্লিষ্ট অনুযায়ী টেকনিক্যাল কমিটির ০২ (দুই) জন Reviewer এর মূল্যায়নের ভিত্তিতে আইআরটি'র গভর্নিং বডির সিদ্ধান্ত মোতাবেক উপাচার্য মহোদয়ের অনুমোদন পূর্বক অর্থ বরাদ্দ দেওয়া হয়েছে।
- ২০২০-২০২১ অর্থ বছরের প্রকল্পের সমন্বয়সহ রিপোর্ট প্রদান সাপেক্ষে বরাদ্দকৃত অর্থ ছাড় করা হবে। আইআর টি'র বার্ষিক প্রতিবেদন ২০২০-২০২১ প্রকাশনার স্বার্থে সংশ্লিষ্ট প্রকল্পের চূড়ান্ত প্রতিবেদন আগামী অক্টোবর/২০২১ এর মধ্যে দাখিল করতে হবে।
- প্রকল্প পরিচালকের সম্মানী ভাতা (অর্থ বরাদ্দের ২০%) সেমিনার, চূড়ান্ত রিপোর্ট ও সমন্বয়ের পর প্রদান করা হবে।
- প্রকল্প পরিচালকগণকে নভেম্বর/২০২১ এর মধ্যে প্রকল্পের বরাদ্দকৃত অর্থের জন্য পরিচালক, আই আর টি বরাবরে নথি উপস্থাপন করার জন্য অনুরোধ করা হলো।
- গবেষণা প্রকল্পের অর্থ গ্রহণের ০৩ (তিন) মাসের মধ্যে কেউ শিক্ষা ছুটিতে গেলে রিপোর্টসহ তা সমন্বয় দিতে হবে অন্যথায় অর্থ ফেরত প্রদান সাপেক্ষে আইআরটি কর্তৃপক্ষ ছাড়পত্র প্রদান করবে।
- প্রকল্প চলাকালীন সংশ্লিষ্ট প্রকল্পের উপর আইআরটি-তে একটি অর্থবার্ষিকী সেমিনার এবং প্রকল্প সমাপ্তির পর চূড়ান্ত সেমিনার প্রদান করতে হবে।
- আইআরটি'র গভর্নিং বডির সিদ্ধান্ত মোতাবেক আইআরটি ও ইউজিসির অর্থায়নে ১%, দেশীয় সংস্থার ক্ষেত্রে ৫% এবং বিদেশী সংস্থার ক্ষেত্রে ৭.৫% Overhead Cost প্রদান করতে হবে।

সদয় অবগতির জন্য অনুলিপি প্রেরণ করা হলো:

- ১। রেজিস্ট্রার, হাবিপ্রবি, দিনাজপুর।
- ২। পরিচালক (হিসাব), হাবিপ্রবি, দিনাজপুর।
- ৩। পি এস টু ভিসি (ভিসি মহোদয়ের সদয় অবগতির জন্য), হাবিপ্রবি, দিনাজপুর।
- ৪। পি এ টু ট্রেজারার (ট্রেজারার মহোদয়ের সদয় অবগতির জন্য), হাবিপ্রবি, দিনাজপুর।
- ৫। অফিস কপি।