

চট্টগ্রাম ভেটেরিনারি ও এনিম্যাল সাইন্সেস বিশ্ববিদ্যালয়ের ২০১৬ - ২০১৭ অর্থ বছরের গবেষণা প্রকল্প সমূহের বিস্তারিত বিবরণী :-

A) Completed Research Project during the period of 2016-17 (UGC ,HEQEP & Others)

ক্র.নং	প্রকল্পের নাম	প্রকল্প সাহায্য দাতার নাম	প্রকল্প পরিচালকের নাম	প্রকল্পের অগ্রগতি
1	Antimicrobial Susceptibility testing of <i>Staphylococcus aureus</i> isolated from subclinical mastitis milk sample in cattle and genotyping of MRSA to identify clonal lineage	UGC Through CVASU	Professor Dr. Md. Masuduzzaman Department of Pathology & Parasitology, CVASU	Completed
2	Molecular epidemiological investigation in to the large chicken nematode ' <i>Ascaridia galli</i> ' in Greater Chittagong Region, Bangladesh.	”	Dr. Tania Ferdushy, Associate Professor Department of Pathology & Parasitology, CVASU	Completed
3	Comparative Studies of Various Common Methods and Evolutionary Adaption of Appropriate Technique for the Treatment of Small Ruminants in Bangladesh.	”	Prof. Dr. Bibek Chandra Sutradhar Dept. of Medicine & Surgery, CVASU	Completed
4	Study on incidence and evaluation of long bone fracture management in ruminant.	”	Professor Dr. Bhajan Chandra Das Dept. of Medicine & Surgery, CVASU	Completed
5	Field trial on neem and garlic extract against aspergillosis in broiler	”	Professor Dr. A.K.M Saifuddin Dept. of Physiology, Biochemistry and Pharmacology, CVASU	Completed
6	Association of $\beta$ -lacto globulin Gene Polymorphism with some Biochemical Blood Indicators in Red Chittagong Cattle (RCC)	”	DR. Md. Shohel Al Faruk, Assistant Professor, Dept. of Physiology, Biochemistry and Pharmacology, CVASU	Completed
7	Retinal ganglion cell density and spatial resolving power of Native Chicken ( <i>Gallus domesticus</i> ) of Bangladesh	”	Professor Dr. Kh. Nurul Islam Dept. of Anatomy and Histology, CVASU	Completed
8	The Productivity of broiler chickens fed low-protein vegetable diet supplemented with organic acid.	”	Dr. Mohammad Abul Hossain, Associate Professor Dept. of Dairy and Poultry Science, CVASU	Completed
9	Impact of bovine mastitis on milk production and economy of farmers	”	DR. Md. Saiful Bari, Assistant Professor, Dept. of Dairy and Poultry Science, CVASU	Completed
10	Train and Tail feather study of Indian Blue Peacock in Bangladesh National Zoo	”	Dr. Omar Faruk Miazi, Associate Professor, Dept. of Genetics and Animal Breeding, CVASU	Completed
11	Effect of garlic powder on growth performance, serum lipid profile and carcass characteristic of broilers	”	DR. Mukti Barua, Lecturer Dept. of Animal Science and Nutrition, CVASU	Completed
12	Effect of Processing Conditions on Proximate and Selected Mineral Composition of Cereal and Legume flours.	”	Mrs. Shireen Akther, Assistant Professor, Dept. of Food Processing and Engineering, CVASU	Completed
13	Transportation of Arsenic & other heavy metals in the food chain and management of these bearing solid wastes.	”	Suvanker Saha, Lecturer, Dept. of Applied Chemistry and Chemical Technology, CVASU	Completed
14	Innovation of low cost “Auto feeder” for effective feed management in fish farm.	”	Dr. Sk. Ahmad-Al-Nahid, Dept. of Fisheries Resources Management, CVASU	Completed
15	Status and impact of Aqua Drugs on Fish Health in Coastal Zone	”	Joyshri Sarker, Dept. of Aquaculture, CVASU	Completed
16	Development of Culture System of Green Mussel ( <i>Perna viridis</i> ) in Coastal Areas of Bangladesh: A Feasibility Study.	”	Dr. Md. Asaduzzaman, Assistant Professor, Dept. of Fish Biology and Biotechnology, CVASU	Completed
17	Manipulation of growth and gonadal development of Koi, <i>Anabas testudineus</i> through different level of vitamin E supplementation	”	Md. Moudud Islam, Lecturer Dept. of Fish Biology and Biotechnology, CVASU	Completed
18	Establishment of a Low-cost Improved Fish Dryer and Comparative Study on Quality of Dried Fish in Traditional and Improved Fish Dryer	”	Subrata Kumar Ghosh, Lecturer, Dept. of Fishing & Post-Harvest Technology, CVASU	Completed

19	Epidemiology and Molecular Characterization of Zoonotic Parasite Echinococcus granulosus From Domestic goat and Sheep in Chittagong	MoST	Prof. Dr. Mohammad Alamgir Hossain Dept. of Pathology & Parasitology, CVASU	Completed
20	Diagnosis of ketosis in high yielding dairy cattle and it's management using traditional herbs.	”	Professor Dr. A.K.M Saifuddin Dept. of Physiology, Biochemistry and Pharmacology, CVASU	Completed
21	Prenatal and postnatal growth and development of Lymphoid Organs in Deshi Chicken (Gallus domesticus) of Bangladesh	”	Prof. Dr. Mohammad Lutfur Rahman, Dept. of Anatomy & Histology, CVASU	Completed
22	“Ultrasonography guided reproductive management to improve fertility in goat in Chittagong	MoST	Prof. Dr. Azizunnesa Dept. of Medicine & Surgery, CVASU	Completed
23	Comparative Studies of Various Common Methods and Evolutionary Adaption of Appropriate Technique for the Treatment of Urolithiasis of Small Ruminants in Bangladesh”	MoST	Prof. Dr. Bibek Chandra Sutradhar Dept. of Medicine & Surgery, CVASU	Completed
24	Development of functional feed additives using different estrus free leaves & their effects on broilers.	”	Prof. Dr. Md. Manirul Islam Dept. of Animal Science and Nutrition, CVASU	Completed

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A) Completed Research Project during the period of 2017-18 (UGC ,HEQEP & Others)

ক্র.নং	প্রকল্পের নাম	প্রকল্প সাহায্য দাতার নাম	প্রকল্প পরিচালকের নাম	প্রকল্পের অগ্রগতি
25	Complete genome analysis of bovine rotavirus A from faeces of neonatal diarrheic calves in Chittagong, Bangladesh	UGC Through CVASU	Professor Dr. Sharmin Chowdhury Department of Pathology & Parasitology, CVASU	Completed
26	Detection of specific types of uroliths commonly found in small ruminants at SAQ teaching veterinary hospital, CVASU	”	Prof. Dr. Bibek Chandra Sutradhar Dept. of Medicine & Surgery, CVASU	Completed
27	Determination of the level of resistance and strategic plan of using common antibiotic in different species in SAQTVH, CVASU	”	Professor Dr. Mohammad Yousuf Elahi Chowdhury Dept. of Medicine & Surgery, CVASU	Completed
28	Sterilization of male stray dogs with calcium chloride to control dog population in Chittagong at Bangladesh.	”	Dr. Pankaj Chakraborty, Associate Professor, Dept. of Medicine & Surgery, CVASU	Completed
29	Molecular characterization and risk factors associate with abortions caused by Toxoplasma gondii in goats in Chittagong.	”	DR Tanjila Hasan, Lecturer, Dept. of Medicine & Surgery, CVASU	Completed
30	Studies of the welfare and food safety issues of birds slaughtered at kitchen markets.	”	Professor Dr. Mohammad Rashedul Alam Dept. of Physiology, Biochemistry and Pharmacology, CVASU	Completed
31	Sero-and viral prevalence of avian influenza in ducks-chicken interface of Hakaluki Haor area.	”	Dr. Mohammd Mahmudul Hassan, Associate Professor, Dept. of Physiology, Biochemistry and Pharmacology, CVASU	Completed
32	Postnatal Changes of Intestinal Peyer's Patches (PPs) in Scavenger Chicken (Gallus domestic us)	”	Professor Dr. Mohammad Lutfur Rahman Dept. of Anatomy and Histology, CVASU	Completed
33	Establishment of reliable diagnostic technique (s) for canine diabetes and its histopathological effect on organs.	”	Professor Dr. Mohammad Mejbah Uddin Dept. of Anatomy and Histology, CVASU	Completed
34	Determination of critical THI for different crossbred dairy cattle rearing in commercial dairy farms of Chittagong.	”	Professor Goutam Kumar Debnath Dept. of Dairy and Poultry Science, CVASU	Completed
35	The Efficacy of feed grade L-methionine on the productivity of broiler chickens fed conventional diet.	”	Dr. Mohammad Abul Hossain Associate Professor Dept. of Dairy and Poultry Science, CVASU	Completed
36	Day long activities of Indian blue peafowl in Bangladesh National Zoo	”	Dr. Omar Faruk Miazi Associate Professor Dept. of Genetics and Animal Breeding, CVASU	Completed
37	Development of chickens suitable for meat and egg production under semi-scavenging systems using reciprocal crossing between hilly and Fayoumin chickens.	”	Professor Dr. Md. Kabirul Islam Khan Dept. of Genetics and Animal Breeding, CVASU	Completed
38	Household duck rearing as a tool to combat malnutrition and poverty among rural communities in Bangladesh.	”	Md. Emran Hossain, Associate Professor Dept. of Animal Science and Nutrition, CVASU	Completed
39	Effects of Lemon Juice By-products Probiotics in Growth Performance. Meat Quality and Fecal Noxious Gas Emission in Broilers.	”	Professor Dr. Md. Manirul Islam, Dept. of Animal Science and Nutrition, CVASU	Completed
40	Assessing the profitability and marketing efficiency of the marginal backyard dairy farmers of the peri-urban villages of Chittagong metro area.	”	S.M. Mokaddes Ahmed Dipu, Lecturer, Dept. of Agricultural Economics & Social Sciences, CVASU	Completed
41	Effect of spray drying, freeze drying and vacuum drying methods on the proximate composition, physicochemical properties, water sorption and glass transition phenomenon of mango juice powder and determination of degradation kinetics and storage stability of prepared mango juice powder.	”	Mrs. Shireen Akther, Assistant Professor, Dept. of Food Processing and Engineering, CVASU	Completed

42	Accumulation of heavy metals in different organs of commercially important fish species captured from Bay of Bengal.	”	Md. Fahad Bin Quader, Assistant Professor Dept. of Applied Chemistry and Chemical Technology, CVASU	Completed
43	Effects of ripening agent on nutritional value of mango ( <i>Mangifera indica</i> ) and tomato ( <i>Lycopersicon esculentum</i> ).	”	Ayesha Begum, Assistant Professor Dept. of Applied Food Science and Nutrition, CVASU	Completed
44	Obtaining lipases from plant sources and determine its acid stability	”	Kazi Nazira Sharmin, Assistant Professor, Dept. of Applied Food Science and Nutrition, CVASU	Completed
45	Development of Rooftop Aquaculture model for Urban Household	”	Dr. Sk. Ahmad-Al-Nahid Dept. of Fisheries Resources Management, CVASU	Completed
46	Abundance, distribution and population dynamics of edible oyster <i>Crassostrea</i> sp. along the coastal region of Bangladesh.	”	Dr. Md. Asaduzzaman, Assistant Professor Dept. of Fish Biology and Biotechnology, CVASU	Completed
47	Effects of exogenous dietary supplementation of protease enzyme (Pepsin) on the growth performance, hematology and feed utilization in pangus ( <i>Pangasius hypophthalmus</i> ).	”	Md. Moudud Islam, Lecturer Dept. of Fish Biology and Biotechnology, CVASU	Completed
48	Establishment of a Low-cost improved fish dryer and comparative study on quality of dried fish in traditional and improved fish dryer (On-going)	”	Subrata Kumar Ghosh, Lecturer, Dept. of Fishing & Post-Harvest Technology, CVASU	Completed
49	Increasing Fertility by establishment of semen bank and adopting artificial insemination in goat	CVASU	Prof. Dr. Azizunnesa Dept. of Medicine & Surgery, CVASU	Completed
50	To Design a Cost Effective and Highly Efficient Cd <sup>2+</sup> Te Thin Film Solar Cell with Light Trapping Structures	”	Rokeya Jahan Mukti, Lecturer Dept. of Physical & Mathematical Science	Completed
51	Prevalence, risk factors and scoring of Udder Cleft Dermatitis and its association with sub clinical mastitis in dairy cows	”	Dr. Md. Saiful Bari, Assistant Professor Dept. of Dairy & Poultry Science, CVASU	Completed
52	Bioactive Compounds and Antioxidant Activity of Common Vegetables Available in Bangladesh	”	Nazmul Sarwar, Lecturer Dept. of Food Processing & Engineering, CVASU	Completed
53	Determination of Monosodium Glutamate (Tasting Salt) Level in Different Baby Food Products and Response of Broiler Chicks to Dietary Monosodium Glutamate	”	Md. Altaf Hossain, Assistant Professor Dept. of Applied Food Science & Nutrition, CVASU	Completed
54	Screening of genetic markers for fecundity in Black Bengal goat: a savings account for marker assisted selection in Black Bengal goat	”	Associate Prof. Dr. Ashutosh Das Dept. of Genetics & Animal Breeding, CVASU	Completed
55	The synthesis of calcium carbonate from cockle shell ( <i>Anadara granosa</i> ) I for the development of bone paste.	”	Prof. Dr. Kh. Nurul Islam Dept. of Anatomy & Histology, CVASU	Completed
56	Determination of physicochemical properties, nutritional parameters and heavy metal contents of different types of tropical fruits in Bangladesh	”	Md. Ashraf Islam, Asst. Prof. Dept. of Applied Chemistry & Chemical Technology, CVASU	Completed
57	Multiplex PCR System for Rapid Identification of Bacterial Pathogens from Goats Presumed with fever and diarrhoea	”	Dr. Pranab Paul, Lecturer Dept. of Medicine & Surgery, CVASU	Completed
58	Study on the effect of genes for the expression of coat color of Red Chittagong Cattle and relationship between coat color and growth	”	Asst. Prof. DR. Md. Moksedul Momin Dept. of Genetics & Animal Breeding, CVASU	Completed
59	Capacity building of the newly established ..... producing competent graduates	HEQEP	Prof. Dr. M. Nurul Absar Khan Dean, Faculty of Fisheries, CVASU	Completed
60	Capacity Enhancement for Postgraduate Research and Training at Poultry Research and Training Center of CVASU	”	Prof. Dr. AMAM Zonaed Siddiki Dept. of Pathology & Parasitology, CVASU	Completed

61	Establishment of Veterinary clinical Pathology laboratory at the Chittagong Veterinary and Animal Sciences University (CVASU) CP-3220	”	Prof. Dr. Sharmin Chowdhury, Dept. of Pathology & Parasitology, CVASU	Completed
62	Epidemiology and Molecular Characterization of Zoonotic Parasite Echinococcus granulosus From Domestic goat and Sheep in Chittagong	Most	Prof. Dr. Mohammad Alamgir Hossain Dept. of Pathology & Parasitology, CVASU	Completed
63	CPSF: 2180, Transformation of HEQEP supported laboratory infrastructures at CVASU into a National Reference Laboratory for Zoonoses Research	HEQEP	Prof. Dr. Mohammad Alamgir Hossain Dept. of Pathology & Parasitology, CVASU	Completed
64	Diagnosis of ketosis in high yielding dairy cattle and it's management using traditional herbs.	UGC	Professor Dr. A.K.M Saifuddin Dept. of Physiology, Biochemistry and Pharmacology, CVASU	Completed
65	Enrichment of anatomy museum .....at CVASU	HEQEP	Prof. Dr. Mohammad Lutfur Rahman, Dept. of Anatomy & Histology, CVASU	Completed
66	Prenatal and postnatal growth and development of Lymphoid Organs in Deshi Chicken (Gallus domesticus) of Bangladesh	UGC	Prof. Dr. Mohammad Lutfur Rahman, Dept. of Anatomy & Histology, CVASU	Completed
67	“Ultrasonography guided reproductive management to improve fertility in goat in Chittagong	Most	Prof. Dr. Azizunnesa Dept. of Medicine & Surgery, CVASU	Completed
68	Comparative Studies of Various Common Methods and Evolutionary Adaption of Appropriate Technique for the Treatment of Urolithiasis of Small Ruminants in Bangladesh”	”	Prof. Dr. Bibek Chandra Sutradhar Dept. of Medicine & Surgery, CVASU	Completed
69	Development of chickens suitable for meat and egg production under semi-seavengmg systems using reciprocal crossing between hilly and fayoumi chickens	”	Prof. Dr. Md. Kabirul Islam Khan Dept. of Genetics and Animal Breeding, CVASU	Completed
70	Enhancement of Research and diagnostic facilities in Teaching veterinary Hospital and satellite clinics for the improvement of research and conic services to the student and communities.	HEQEP	Prof. Dr. Mohammad Yousuf Elahi Chowdhury Dept. of Medicine & Surgery, CVASU	Completed
71	Development of functional feed additives using different estrus free leaves & their effects on broilers.	UGC	Prof. Dr. Md. Manirul Islam Dept. of Animal Science and Nutrition, CVASU	Completed
72	Comparative Studies of Various Common Methods and Evolutionary Adaption of Appropriate Technique for the Treatment of Urolithiasis of Small Ruminants in Bangladesh	NST	Prof. Dr. Bibek Chandra Sutradhar Dept. of Medicine & Surgery, CVASU	Completed
73	Development of green mussel perna viridis farming system in coastal area for boosting blue economy of Bangladesh	BARC NATP	Dr. Md. Asaduzzaman, Assitant Prof. Dept. of Marine Bio-Resources Science, CVASU	Completed
74	Molecular characterization and riks factors associated with abortions caused by Toxoplasma gondii in goats in Chittagong	NST	Dr. Azizunnesa, Associate Prof. Dept. of Medicine and Surgery, CVASU	Completed
75	Molecular epidemiology and genotyping of bovine rotavirus A isolated from faeces of neonatal calves in Rangamati district	”	Prof. Dr. Sharmin Chowdhury Dept. of Pathology and Parasitology, CVASU	Completed
76	Establishment of suitable fracture management techniques in different animals cattle, goat, dog, cat at Sahidul Alam Quadery Teaching Veterinary Hospital (SAQTVH) in Chittagong	BARC NATP	Prof. Dr. Bhajan Chandra Das Dept. of Medicine and Surgery, CVASU	Completed
77	Monitoring and surveillance of duck disease in Hakaluki and Tanguar Haor and development of Suitable Vaccinate models and other preventive strategies	”	Prof. Dr. Md. Masudzzaman Dept. of Pathology and Parasitology, CVASU	Completed

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A) Completed Research Project during the period of 2018-19 (UGC ,HEQEP & Others)

ক্র.নং	প্রকল্পের নাম	প্রকল্প সাহায্য দাতার নাম	প্রকল্প পরিচালকের নাম	প্রকল্পের অগ্রগতি
78	Manufacture of Dog Biscuit in Bangladesh	UGC Through CVASU	Prof. Dr. Goutam Buddha Das Dept. of Animal Science and Nutrition, CVASU	Completed
79	Development of Rooftop Aquaculture Model for Urban Houshold	”	Dr. Sk. Ahmed-Al-Nahid, Assistant Professor Dept. of Fisheries Resource Management, CVASU	Completed
80	Determination of breeding season of Black Pomfret, ( <i>Parastromateus niger</i> ) from the Bay of Bengal, Bangladesh	”	Md. Moudud Islam, Assistant prof. Dept. of Fish Biology and Biotechnology, CVASU	Completed
81	Production process, nutritional composition, microbiology and quality issues of semi fermented fish products, Shidhal	”	Tahsin Sultana, Lecturer Dept. of Fishing and Post Harvest Technology, CVASU	Completed
82	Seasonal variation of nutritional profile and heavy metal content of edible oyster <i>Crassostrea</i> sp. Along the coastal region of Bangladesh	”	Dr. Md. Asaduzzaman, Assistant Professor, Dept. of Marine Bioresource Science, CVASU	Completed
83	Study on the effects of different nitrogen concentrations on the growth and proximate composition of marine microalgae <i>Tetraselmis chuii</i>	”	Dr. Helena Khatoun, Assistant Professor, Dept. of Fisheries Resource Management, CVASU	Completed
84	Bio-economic evolution of snakeheads culture as a replacement of IMCs in traditional Intergrated Multi-trophic Auaculture (IMTA) system	”	Joyshri Sarker, Assistant Professor, Dept. of Aquaculture, Faculty of Fisheries, CVASU	Completed
85	Ecological and socio-economic challenges of small scale fisherman in coastal region of Bangladesh	”	Abrar Shakil, Lecturer, Dept. of Marine Bioresource Science, CVASU	Completed
86	Acrylamide Quantitation of lacally available Potato Chips in Chattogram and development of a manufacturing procedure to reduce Acrylamide in finished Potato Chips	”	Mrs. Shireen Akther, Assistant Professor, Dept. of Food Processing and Engineering, CVASU	Completed
87	Evaluation the effect of germination and the processing conditions of the developed malted milk hot drinks	”	Abdul Matin, Assistant Prof. Dept. of Food Processing and Engineering, CVASU	Completed
88	Anatomical determination of blocking sites of radial, medial and ulnar nerves for regional anaesthesia in Black Bengal goat	”	Prof. Dr. Mejbah Uddin Dept. of Anatomy & Histology, CVASU	Completed
89	Effect of Anticaogulants and Storage Time on Morphometry of Red Blood Cells in Common Domestic and Pet Animal Species	”	Dr. Snnet Poddar, Lecturer, Dept. of Anatomy & Histology, CVASU	Completed
90	Sero-prevalence of simian tuberculosis in captive monkeys and its publichealth significance in Bangladesh	”	Dr. Pranab Paul, Lecturer, Dept. of Medicine & Surgery, CVASU	Completed
91	Isolation and characterization of antibiotic-resistant bacteria and strategic plan of using common antibiotics in goat at SAQTVH, CVASU	”	Professor Dr. Mohammad Yousuf Elahi Chowdhury Dept. of Medicine & Surgery, CVASU	Completed
92	Establishment of non-invasive DNA sexing facility for exotic and pet bird species in Chittagong Veterinary and Animal Sciences University (CVASU)	”	Dr. Shubhagata Das, Associate Prof. Dept. of Pathology & Parasitology, CVASU	Completed
93	Exploring farmer and stockperson attitudes and behavior to improve the welfare and productivity of dairy cow in Bangladesh	”	Professor Dr. Mohammad Rashedul Alam Dept. of Physiology, Biochemistry and Pharmacology, CVASU	Completed
94	Molecular Detection of <i>Staphylococcus aureus</i> from Small Ruminants and Their Virulence and Antimicrobial Sensitivity Profiling	”	Avijit Dutta, Lecturer, Dept. of Microbiology and Veterinary Public Health, CVASU	Completed
95	Increasing fertility by establishment of semen bank and adopting artificial insemination in goat	CVASU	Prof. Dr. Azizunnesa Dept. of Medicine and Surgery, CVASU	Completed
96	Development of whole genome sequence database of Black Bengal Goat to accelerate genetic upgradation.	”	Prof. Dr. AMAM Zonaed Siddiki Dept. of Pathology and Parasitology, CVASU	Completed

97	Development of chickens suitable for meat and egg production under semi-scavenging systems using reciprocal crossing between hilly and Fayoumi chickens	”	DR. Md. Mokedul Momin, Asst. Prof. Dept. of Genetics and Animal Breeding, CVASU	Completed
98	A Veterinary Education Twinning Project between Tufts Cummings School of Veterinary Medicine (TCSVM), USA and CVASU	USA	Professor Dr. Md. Ahasanul Hoque Dept. of Medicine & Surgery, CVASU	Completed
99	Household duck rearing as a tool to combat malnutrition and poverty among rural communities in Bangladesh, Chittagong Veterinary & Animal Sciences University, Bangladesh	UK	Professor Dr. Md. Ahasanul Hoque Dept. of Medicine & Surgery, CVASU	Completed
100	Establishment of institutional Quality Assurance Cell (IQAC)	HEQEP	Professor Dr. A.K.M Saifuddin Dept. of Physiology, Biochemistry and Pharmacology, CVASU	Completed
101	Controlling and Monitoring emerging zoonoses in the poultry farming and tracing system in Bangladesh: an interplay between pathogens, people policy	UK	Professor Dr. Md. Ahasanul Hoque Dept. of Medicine & Surgery, CVASU	Completed

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A) Completed Research Project during the period of 2019-20 (UGC ,HEQEP & Others)

ক্র.নং	প্রকল্পের নাম	প্রকল্প সাহায্য দাতার নাম	প্রকল্প পরিচালকের নাম	প্রকল্পের অগ্রগতি
102	Determination of Anatomical morphology in turkey spp. (Meleagris gallopavo) for post mortem diagnosis with histomorphological characteristics of liver	UGC Through CVASU	DR. Abdulla Al Fauq, Asst. Prof. Dept. of Anatomy and Histology, CVASU	Completed
103	Effective control of dog population in Chattogram Veterinary and Animal Sciences University campus	”	Prof. Dr. Mohammad Rashedul Alam Dept. of Physiology, Biochemistry & Pharmacology, CVASU	Completed
104	Understanding the effect of endocrine disrupting chemicals (EDCs) on ovarian function in rabbit	”	Dr. Amir Hossan Shaikat, Asso. Prof. Dept. of Physiology, Biochemistry & Pharmacology, CVASU	Completed
105	Understanding the relationship of serum biochemical profile and hormonal level in repeat breeder cow	”	Dr. Jabin Sultana, Assistant prof. Dept. of Physiology, Biochemistry & Pharmacology, CVASU	Completed
106	Dietary supplementation of Halquinol and its effects on growth performance, biochemical parameters and oxidative stability of meat in broiler	”	Prof. Dr. Manirul Islam Dept. of Animal Science and Nutrition	Completed
107	Phenotypical and molecular typing of Clostridium perfringens isolated from necrotic enteritis infected broiler chickens	”	DR. Eaftekhar Ahmed Rana, Lecturer Dept. of Microbiology and Veterinary Health, CVASU	Completed
108	Screening of Bruceellosis in dairy cows through Milk Ring test, Rose Bengal Dye test, Indirect ELISA and PCR in Chattogram Metropolitan area	”	Prof. Dr. Sharmin Chowdhury Dept. of Pathology and Parasitology, CVASU	Completed
109	Establishment of non-invasive DNA sexing facility for exotic and pet bird species in Chattogram Veterinary and Animal Sciences University (CVASU)	”	Prof. Dr. Md. Masuduzzaman Dept. of Pathology and Parasitology, CVASU	Completed
110	Endoparasitic infections and antibiotic resistance patterns in pet birds in Chattogram	”	Dr. Abdul Alim, Asso. Prof. Dept. of Pathology and Parasitology , CVASU	Completed
111	Investigating of litter size trait associated genes and their association in Bangladeshi goat	”	Prof. Dr. Gous Miah Dept. of Genetics and Animal Breeding, CVASU	Completed
112	Training of dairy farmers, development and distribution of fodder calendar and flip chart for TMR, Hay, Silage, UMS and UMMB preparation round the year	”	Prof. Dr. Goutam Kumar Debnath Dept. of Dairy & Poultry Science, CVASU	Completed
113	Effect of xylo-oligosaccharides on growth performance, blood biochemistry, and gut microbial profile of broiler chickens	”	Dr. Marjina Akter, Asso. Prof. Dept. of Dairy and Poultry Science, CVASU	Completed
114	Innovation of Noble Quality Broiler Meat by optimization of dietary energy, protein and herbal supplementation in Commercial Broiler	”	Dr. Nasima Akter, Asst. Prof. Dept. of Dairy and Poultry Science, CVASU	Completed
115	Assessing the profitability and marketing efficiency of the marginal backyard dairy farmers of the peri-urban villages of Chattogram Metro area- Part 2	”	S.M. Mokaddes Ahmed Dipu, Asst. Prof./Prof. Dr. Shahnaz Sultana Dept. of Agricultural Economics & Social Sciences, CVASU	Completed
116	Comparative study on the performances between Intra Medullary Pinning(IMP) and Plate screw for long bone fracture management techniques in Dogs and Cats in Bangladesh	”	Prof. Dr. Bhajan Chandra Das Dept. of Medicine and Surgery, CVASU	Completed



117	Development of new diluents for preservation of Jamunapari buck semen to improve the frozen semen quality and conception rate after AI in goats	”	Prof. Dr. Azizunnesa Dept. of Medicine and Surgery, CVASU	Completed
118	Training for Students on ENDOSCOPY MACHINE by foreign expert	”	Prof. Dr. Bibek Chandra Sutradhar Dept. of Medicine and Surgery , CVASU	Completed
119	Attempts to redesign Rabies Immunisation Schedule for Dogs and Cats in Bangladesh	”	Dr. Suchandan Sikder, Asso. Prof Dept. of Medicine and Surgery, CVASU	Completed
120	Monitoring and diagnosis of diabetes in pets, SAQTVH, CVASU	”	DR. Sharmin Akter, Asst. Prof. Dept. of Medicine and Surgery, CVASU	Completed
121	A Machine Learning Approach to Determine the Cow’s Delivery Date by Analyzing the Physical Activities	”	Md. Motiur Rahman, Asst. Prof. Dept. of Physical and Mathematical Sciences, CVASU	Completed
122	Optimization of product development using Response surface method from peel and flesh of pineapple	”	Mohammad Mozibul Hoque, Asst. Prof. Dept. of Applied Food Science and Nutrition, CVASU	Completed
123	Development of Biodegradable Food Packaging from Food Wastes	”	Md Altaf Hossain, Asst. Prof. Dept. of Applied Food Science and Nutrition, CVASU	Completed
124	Development of instant coconut water powder by spray drying and evaluation of physico-chemical properties and antioxidant activity	”	Dr. Jakia Sultana Jothi, Asst. Prof. Dept. of Food Processing and Engineering, CVASU	Completed
125	Development and quality evaluation of nutraceutical crackers biscuit with high antidiabetic properties from medicinal plants available in Bangladesh	”	Nazmul Sarwar, Asst. Prof. Dept. of Food Processing and Engineering, CVASU	Completed
126	Effects of ovulin Hormone on Breeding Performance of Oranda Goldfish (Carassius sp.)	”	Md. Main Uddin Mamun, Lecturer Dept. of Fish Biology and Biotechnology, CVASU	Completed
127	Effects of commonly used herbicide pretilachlor on reproduction, organ specific histopathology, haematological parameters, brain acetyl cholinesterase activity and plasma enzymes activity of common carp (Cyprinus carpio)	”	Fatema Akhter, Asst. Prof. Dept. of Fish Biology & Biotechnology, CVASU	Completed
128	Growth, survival and nutritional profile of marine larvae (seabass/shrimp) fed with selected microalgae	”	Mohammad Redwanur Rahman, Asst. Prof. Dept. of Aquaculture, CVASU	Completed
129	Determination of Phytoplankton sinking rate in Bay of Bengal for the measurement of carbon absorption with a comparative study between monsoon and winter season	”	Avijit Talukder, Asst. Prof. Dept. of Marine Bioresource Science, CVASU	Completed
130	Morphological Approach to the Identification, Distribution and Diversity of Fish Species under Clupeidae, Polynemidae and Gobiidae Family in the Chattogram Coast	”	Sumi Akter, Asst. Prof. Dept. of Marine Bioresource Science, CVASU	Completed
131	Color Enhancement of Indigenous Ornamental Fishes in Bangladesh	”	Dr. Sk. Ahmed Al Nahid, Asst. Prof. Dept. of Fisheries Resource Management, CVASU	Completed
132	Plastic Pollution: Sources and Effects of Aquatic Biodiversity of Karnaphuli River	”	Shahida Arfine Shimul, Asst. Prof. Dept. of Fisheries Resource Management, CVASU	Completed
133	Production of Chitin and Chitosan by Using Crustacean Waste and their Quality Evaluation	”	Nafisa Nawar Tamzi, Lecturer Dept. of Fish and Post-Harvest Technology, CVASU	Completed
134	Seasonal variation of the nutritional compositions of Tuna (Euthynnus affinis) and Pama croaker (Otolithoides pama) of the Bay of Bengal	”	Tahsin Sultana, Asst. Prof. Dept. of Fishing and Post-Harvest Technology, CVASU	Completed

135	Sexual Selection and adaptation during avian domestication in Bangladesh	Linkoping University, Sweden	Prof. Dr. Md. Kabirul Islam Khan Dept. of Genetics and Animal Breeding, CVASU	Completed
136	Detection and molecular characterization of highly pathogenic H5N1 and low pathogenic H9N2 avian influenza viruses and their relative impacts on commercial poultry farms	NMST	Prof. Dr. Paritosh Kumar Biswas Director (PRTC), CVASU	Completed
137	Molecular Characterization and Identification of important Zoonotic and infectious diseases of Livestock and poultry in Bangladesh	USDA	Prof. Dr. AMAM Zonaed Siddiki Dept. of Pathology & Parasitology, CVASU	Completed
138	Development of Udder Health Control Program in Dairy Cows in Bangladesh	Vetenska-psradet	Professor Dr. Md. Mizanur Rahman Dept. of Medicine & Surgery, CVASU	Completed
139	Molecular characterization of PPR virus and development of cross protective recombinant vaccine using conserved epitope against circulating lineages of PPR virus for goats in Bangladesh	BAN BEIS	Prof. Dr. Mohammed Yousuf Elahi Chowdhury Dept. of Medicine and Surgery, CVASU	Completed
140	Development of Community based aquaculture model for the hil region in Bangladesh	MST	Dr. Sk, Ahmad Al Nahid, Asst. Prof. Dept. of Fisheries Resource Management, CVASU	Completed
141	Exploring duck diseases in Hakaluki and Tanauar haor areas and developing suitable vaccination strategies	MST	Prof. Dr. Mohammad Alamgir Hossain Dept. of Pathology and Parasitology, CVASU	Completed
142	Establishment of standard cytological protocol including fine needle aspiration cytology (RNAC) at clinical pathology laboratory for the differentiation of cancers from other space occupying lesions	MST	Prof. Dr. Sharmin Chowdhury Dept. of Pathology and Parasitology, CVASU	Completed
143	Utilization of jackfruit by-products fermented with multi-probiotics as alternative to antibiotic for healthy chicken meat production	MST	Prof. Dr. Manirul Islam Dept. of Animal Science and Nutrition, CVASU	Completed
144	Characterization of Developed dual purpose chickens under semi-scavenging system	MST	Prof. Dr. Md. Kabirul Islam Khan Dept. of Genetics and Animal Breeding, CVASU	Completed

চট্টগ্রাম ভেটেরিনারি ও এনিম্যাল সাইন্সেস বিশ্ববিদ্যালয়ের ২০২০ - ২০২১ অর্থ বছরের গবেষণা প্রকল্প সমূহের বিস্তারিত বিবরণী :-

A) Completed Research Project during the period of 2020-21 (UGC ,HEQEP & Others)

ক্র.নং	প্রকল্পের নাম	প্রকল্প সাহায্য দাতার নাম	প্রকল্প পরিচালকের নাম	প্রকল্পের অগ্রগতি
145	The development of bone paste from Bay of Bengal sea shell- based calcium carbonate for bone fracture healing in vivo study using goat model.	UGC Through CVASU	Prof. Dr. Kh. Nurul Islam, Dept. of Anatomy and Histology, CVASU	Completed
146	Study on effects of inorganic fertilizer and cutting interval on production performance and nutrient potentialities ased on chemical composition and rumen in vitro gas production of Moringa (Moringa oleifera) at hill tract area of Hathazari, Chittagong.	”	Prof. Dr. Jannatara Khatun, Dept.of Animal Science and Nutrition, CVASU	Completed
147	Meat composition, fatty acid profile and carcass characteristics of mutton supplemented with probiotics fermented molasses.	”	Prof. Dr. Md. Manirul Islam, Dept. Animal Science and Nutrition, CVASU	Completed
148	Effects of supplementing $\beta$ -glucomannan in mesh versus pelleted diets on gut histopathology, hemato-biochemical indices, amino acid profile, $\omega$ -6 fatty acid contents and lipid profile in commercial broiler.	”	Prof. Md. Emran Hossain, Dept. of Animal Science and Nutrition, CVASU	Completed
149	An in-vitro and in-vivo study of ruminal gas production,pH, microbiota and digestibility of concentrate rich sheep diet supplemented with ginger(Zingiberofficinale) and sodium bicarbonate.	”	DR.Priunka Bhowmik, Lecturer, Dept. of Animal Science and Nutrition, CVASU	Completed
150	Establishment of non-invasive DNA sexing facility for exotic and pet bird species at Chattogram Veterinary and Animal Sciences University.	”	Prof. Dr. Md. Masuduzzaman, Dept. of Pathology and Parasitology, CVASU	Completed
151	Comparative genomics and genome wide association studies (GWAS) of four Black Bengal goat	”	Prof. Dr. AMAM Zonaed Siddiki, Dept. of Pathology and Parasitology, CVASU	Completed
152	Management of free-roaming dogs at CVASU and its surrounding area of Chattogram city	”	Prof. Dr Mohammad Rashedul Alam, Dept. of Physiology, Biochemistry and pharmacology, CVASU	Completed
153	Assessing and addressing the welfare conditions of goats at backyard small scale farms.	”	Dr. Md Ridoan Pasha Lecturer, Dept. of Physiology, Biochemistry and Pharmacology, CVASU	Completed
154	Day long Training of dairy farms on improved management of dairy farms	”	Prof. Dr. Goutam Kumar Debnath Dept. of Dairy & Poultry Science, CVASU	Completed
155	Prolificacy and Its Relationship with Body linear traits and sequencing of identified genes related to litter size in Bangladeshi goat.	”	Prof. Dr. Gous Miah, Dept. of Genetics and Animal Breeding, CVASU	Completed
156	Evaluation of diagnostic and treatment protocol of gastritis and its associated risk factors in dogs and cats at the Chattogram Metropolitan Area (CMA) in Bangladesh.	”	Prof. Dr. Md. Rayhan Faruque, Dept. of Medicine and Surgery, CVASU	Completed
157	Clinical and Ultrasound Evaluation of the Mammary Gland during Mastitis in Ruminants	”	Prof. Dr. Bibek Chandra Sutradhar, Dept. of Medicine and Surgery, CVASU	Completed

158	Study on diabetes and its effect with isolation, identification and antibiotics sensitivity resistance of bacteria for long bone fracture management in Dogs and Cats at SAQTVH, Chattogram.	”	Prof. Dr. Bhajan Chandra Das, Dept. of Medicine and Surgery, CVASU	Completed
159	Development of new diluents for reservation of Jamunapari buck semen to improve the frozen semen quality and conception rate after AI in goats.	”	Prof. Dr. Azizunnesa Dept. of Medicine and Surgery, CVASU	Completed
160	Investigation of causes of case fatality in kitten	”	Asso. Prof. Dr Suchandan Sikder, Dept. of Medicine and Surgery, CVASU	Completed
161	Canine Parvovirus in Chattogram, Bangladesh: Detection of field and vaccine variants using ARMS-PCR.	”	DR. Sharmin Akter, Asst. Prof. Dept. of Medicine and Surgery, CVASU	Completed
162	Prevalence of corona virus in different captive wild animals: Looking for the possible reservoir and intermediate hosts.	”	DR. Pranab Paul, Asst. Prof. Dept of Medicine and Surgery, CVASU	Completed
163	Establishment of a clinical case library and pathological specimen museum at teaching and training pet hospital and research center, Dhaka: based on pictorial frame preparation and gross specimen preservation for future continuous enrichment	”	DR. Mohammad Bayazid Bostami, Lecturer, Teaching and training pet hospital and research center, CVASU, Purbachal, Dhaka	Completed
164	Development of a diagnostic and treatment protocol of urinary system diseases in small animals based on haemato-biochemical assay and imaging techniques (x-ray and USG)	”	DR. Aparna Datta, Lecturer, Teaching and training pet hospital and research center, CVASU, Purbachal, Dhaka	Completed
165	Implementation of haemato-biochemical assay and imaging techniques (x-ray and USG) to establish a diagnostic and treatment protocol of hepatic problems in dogs and cats	”	Dr. Mizanur Rahman, Lecturer, Teaching and training pet hospital and research center, CVASU, Purbachal, Dhaka	Completed
166	A Machine Learning Approach to Determine the Cow's Delivery Date by Analyzing the Physical Activities.	”	Md. Motiur Rahman, Asst. Prof. Dept. of Physical and Mathematical Sciences, CVASU	Completed
167	Effects of Dietary Supplementation of Pro-biotic Food, Vitamin C and Zinc on Influenza-like Illness Among Young Children: A Randomized Controlled Trial.	”	Md. Altaf Hossain, Asst. Prof. Dept. of Applied Food Science and Nutrition, FFST, CVASU	Completed
168	Effects of lockdown and social distancing on nutritional status and wellbeing of Bangladeshi during the Covid-19 pandemic.	”	Taslima Ahmed, Asst. Prof. Dept. of Applied Food Science and Nutrition, CVASU	Completed
169	Evaluation of antidiabetic properties of developed nutraceutical food product in Alloxan induced diabetic rats (In vivo test) and glycemic index of human (Clinical trial).	”	Nazmul Sarwar, Asst. Prof. Dept. of Food Processing and Engineering, CVASU	Completed
170	Formulation, quality evaluation and production of microcidal herbal hand sanitizer to protect skin pathogens	”	Monsur Ahmad, Asst. Prof. Dept. of Applied Chemistry & Chemical Technology, CVASU	Completed
171	Reproductive Biology of Indian Major Carp (Black Rohu, Labeo calbasu) from the Kaptai Lake of Bangladesh: A Study to Brood Stock Improvement.	”	Md. Moudud Islam, Asst. Prof. Dept. of Fish Biology & Biotechnology, CVASU	Completed

172	Reproductive Biology of Ayre ( <i>Mystus aor</i> ) from Kaptai Lake of Bangladesh: A Study to Brood Stock Improvement.	”	Md. Main Uddin Mamun, Lecturer, Dept. of Fish Biology & Biotechnology, CVASU	Completed
173	Growth, survival and nutritional profile of marine larvae (seabass/shrimp) fed with selected microalgae	”	Mohammad Redwanur Rahman Asst. Prof. Dept. of Aquaculture, CVASU	Completed
174	Participatory green mussel farming in coastal water of Sahporir Dwip for livelihood supports of fishing communities.	”	Abrar Shakil, Asst. Prof. Dept. of Marine Bioresource Science, CVASU	Completed
175	Limnological study of Kaptai lake.	”	Dr. Sk. Ahmad Al Nahid, Asst. Prof. Dept. of Fisheries Resource Management, CVASU	Completed
176	COVID-19 & its Socio-economic Impacts on Fisheries Sector in Chattogram.	”	Shahida Arfine Shimul, Asst. Prof. Dept. of Fisheries Resource Management, CVASU	Completed
177	Analysis of Microbial Population Present in Fish, Water and Soil Sediments of Kaptai Lake.	”	Dr. Md. Faisal, Asst. Prof. Dept. of Fishing and Post-Harvest Technology, CVASU	Completed
178	Development of dual purpose chickens and characterize them genetically	”	Prof. Dr. Kabirul Islam Khan, Dept. of Genetics and Animal Breeding, CVASU	Completed
179	Preparation of dry egg powder and assessment of nutrient components of commercially available chicken eggs	”	Prof. Dr. SKM Azizul Islam, Dept. of Physiology, Biochemistry & Pharmacology, CVASU	Completed
180	Enrichment of Anatomy Museum for Enhancing Quality Education and Research at the Department of Anatomy and Histology	”	Prof. Dr. Mohammad Lutfur Rahman, Dept. of Anatomy & Histology, CVASU	Completed
181	Epidemiological investigation of Lumpy Skin Disease (LSD) outbreak in commercial dairy cattle of Chattogram, with special emphasis on identification and molecular confirmation of the available vectors carrying the LSD virus	”	Asso. Prof. Dr. Md. Abdul Alim, Dept. of Pathology and Parasitology, CVASU	Completed
182	Quality evaluation of yoghurt powder fortified with seasonal fruits pulp	”	Dr. Afroza Sultana, Asst. Prof. Dept. of Food Processing and Engineering, CVASU	Completed
183	Sero-prevalence of anti-SARS-CoV-2 antibody among the asymptomatic and confirmed COVID-19 Positive population of Chattogram Metropolitan Area	”	Prof. Dr. Sharmin Chowdhury, Dept. of Pathology and Parasitology, CVASU	Completed
184	Effects of fish oil supplementation on performance, cardio-morphometry, immunity, caecal-histopathology, amino acid and fatty acid profile of experimentally infected broiler birds	”	Prof. Dr. Goutam Buddha Das Dept. of Animal Science and Nutrition, CVASU	Completed
185	Severity assessment of single dose Oxford-astraZeneca Vaccinated individuals infected with SARS CoV-2 in the Southeast Bangladesh	”	Prof. Dr. Goutam Buddha Das CVASU COVID-19 Lab, CVASU	Completed
186	Severity assessment of double dose Oxford-astraZeneca Vaccinated individuals infected with SARS CoV-2 in the Southeast Bangladesh	”	Prof. Dr. Goutam Buddha Das CVASU COVID-19 Lab, CVASU	Completed
187	Performance, gut histopathology, gut histopathology, amino acid and lipid profile, hemato-biochemical indices and humoral immunity of broiler birds fed diet supplemented with blended fish protein	MST	Prof. Dr. Md. Emran Hossain, Dept. of Animal Science & Nutrition, CVASU	Completed
188	Utilization of lemon peel & olive leaves fermented with probiotics as alternative to antibiotics in broiler	UGC	Prof. Dr. Manirul Islam Dept. of Animal Science and Nutrition, CVASU	Completed
189	Determination of Antimicrobial Resistance and Residues in Livestock and Poultry Food Products and Feed in Bangladesh	BARC	Prof. Dr. Sharmin Chowdhury Dept. of Pathology & Parasitology, CVASU	Completed