

**Bangladesh Livestock Research Institute**  
Savar, Dhaka

**Approved Research Project (2015-16)**

**Discipline: Livestock & poultry disease and health biotechnology**

Sl. No	Project Title	Name of PI
<b>(A) Animal Health Research Division:</b>		
1.	Prevalence of emerging and re-emerging foodborne pathogens and drug resistant gene in poultry value chain	Dr. Mohammed Abdus Samad Senior Scientific Officer
2.	Immune escape avian influenza virus shedding and genetic evolution with the advent of HPAI H5N1 vaccination in poultry in Bangladesh	Dr. Mohammed Abdus Samad Senior Scientific Officer
3.	Modulation of antiviral activity against Infectious bursal disease virus through activation of Toll-Like Receptor (TLR) signaling pathway	Dr. Mohammed Abdus Samad Senior Scientific Officer
4.	Development of Peste des Petits Ruminants (PPR) free zone in selected areas of Bangladesh to meet global control strategy	Dr. Md. Rafiqul Islam Principle Scientific Officer
5.	Development of biologics for the diagnosis of Peste des Petits Ruminants (PPR)	Dr. Md. Rafiqul Islam Principle Scientific Officer
<b>(B) Poultry Production Research Division</b>		
6.	Prevalence study and Molecular characterization of Duck plague virus in selected areas of Bangladesh	Dr. Md. Giasuddin Principle Scientific Officer
<b>(C) Baghabari Regional Station</b>		
7.	Prevalence, Diagnosis and Mastitis control package for cows at BLRI regional station	Dr. Md. Ersaduzzaman Principle Scientific Officer
<b>(D) Research on FMD and PPR in Bangladesh Project</b>		
8.	Efficacy trail of BLRI Developed inactivated trivalent FMD vaccine (O,A,Asia1) in cattle at selected areas of Bangladesh.	Dr. Md. Giasuddin Principle Scientific Officer
9.	Develop a FMD control strategy- “ FMD free zone in a FMD infected country” with physical and geographical	Dr. Md. Giasuddin Principle Scientific Officer
<b>(E) Conservation and Improvement of native sheep through community farming &amp; commercial farming (2<sup>nd</sup> Phase)</b>		
10.	Development of herbal anthelentic for the control of internal parasites of sheep	Dr. Md. Nuruzzamam munsu Senior Scientific Officer

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**Discipline: Genetics, breeding and animal biotechnology**

Sl. No	Project Title	Name of PI
<b>(A) Animal Production Research Division:</b>		
1.	Study of strategic development of beef animals and their qualities	Dr. M.P. Mostari Senior Scientific Officer
<b>(B) Poultry Production Research Division:</b>		
2.	Conservation and improvement of Native chicken	Shakila Faruque Senior Scientific Officer
3.	Conservation and improvement of native duck germplasm	Dr. Md. Sazedul Karim Sarker Senior Scientific Officer
4.	Conservation and improvement Quail.	Shakila Faruque Senior Scientific Officer
5.	Maintenance and conservation of pure lines and nutrition requirements of BLRI developed layer strains	Dr. Md. Rakibul Hassan Senior Scientific Officer
<b>(C) Goat and Sheep Production Research Division:</b>		
6.	Evaluation of performances of Boer and Jamunapari goat at BLRI	Dr. Md. Azharul Islam Talukder Chief Scientific Officer
7.	Conservation of farm animal genetic resources (FAnGR) at hilly regional Naikhongchari	Dr. Md. Azharul Islam Talukder, Chief Scientific Officer
8.	Improvement of Black Bengal goat through community breeding	Dr. Md. Abdul Jalil, Principal Scientific Officer
<b>(D) Biotechnology Division:</b>		
9.	Conservation and improvement of Munshiganj cattle	Dr. S.M Jahangir Hossain Principal Scientific Officer
10.	Production of calves through transfer of in vitro cattle embryos	Dr. Gautam kumar Deb Senior Scientific Officer
11.	Screening and development of different coat color variants goat stock at BLRI	Dr. S.M Jahangir Hossain Principal Scientific Officer
<b>(E) Baghabari Regional Station</b>		
12.	Identification of repeat breeding problems and measures in dairy cows at Baghabari milk shed areas	Mohammed Sirajul Islam, Senior Scientific Officer
<b>(F) Buffalo Development Project (Component-B)</b>		
13.	Phenotypic and Molecular Characterization of buffalo genetic resources in selected regions of Bangladesh	Dr. T. N. Nahar Chief Scientific Officer
14.	Performance evaluation of Murrah x Local F <sub>1</sub> crossbred and production of Nili-Ravi x Local F <sub>1</sub> crossbred buffaloes in Bangladesh-G	Dr. T. N. Nahar Chief Scientific Officer
15.	Establishment of bovine fibroblast cell line for somatic cell nuclear transfer.	Most. Farhana Afroz Scientific Officer
<b>(G) Fodder Research and Development Project</b>		
16.	Collection, conservation, multiplication of high yielding fodder and evaluation their production performances under different climatic conditions	Dr. N.R. Sarker Principal Scientific Officer
17.	Development of new quality forage through inter-specific hybridization between <i>Penisetum glaucum</i> x <i>Penisetum purpureum</i> in Bangladesh	Dr. N.R. Sarker Principal Scientific Officer
18.	Development of salt tolerant Napier cultivar for coastal area through genetic engineering	Dr. N.R. Sarker Principal Scientific Officer
<b>(H) Native Chicken Conservation and Development Project</b>		
19.	Evaluation of genetic potentials of BLRI improved indigenous chicken varieties under farmer's condition.	Shakila Faruque, Senior Scientific Officer

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**Discipline: Nutrition, feeds & feeding bio-technology**

Sl. No	Project Title	Name of PI
<b>(A) Animal Production Research Division:</b>		
1.	Study on nutrient utilization and biometrical ranking of available roughages in Bangladesh	Dr. Biplob Kumar Roy, Senior Scientific Officer
2.	Study of quantification and nutritional evaluation of available feeds and nutrient requirement of farm animals	Dr. Nasrin Sultana, Principal Scientific Officer
3.	System modeling for food waste to feed (F2F) production	Dr. Khan Shahidul Huque, Chief Scientific Officer
4.	Study of Livestock Manure Management and clean air production	Dr. S. M. Amanullah, Senior Scientific Officer
5.	Study on fattening of buffaloes and comparison of their production performances and meat quality with cattle	Dr. Biplob Kumar Roy, Senior Scientific Officer
<b>(B) Poultry Production Research Division:</b>		
6.	Development of vitamin mineral premix for commercial meat type chicken with available resources and proper processing of poultry	Dr. Md. Sazedul Karim Sarker, Senior Scientific Officer
<b>Development Project</b>		
<b>(D) Buffalo Development Project (Component-B)</b>		
7.	Development of feeding system and least-cost balanced ration with locally available feed ingredients for different selected regions	Dr. T. N. Nahar Chief Scientific Officer
<b>(E) Conservation and Improvement of native sheep through community farming &amp; commercial farming (2<sup>nd</sup> Phase)</b>		
8.	Development of effective lamb production system in Bangladesh	Dr. Sadek Ahmed, Senior Scientific Officer
<b>(F) Fodder Research and Development Project</b>		
9.	Developing the fodder production model coastal and river basin regions of Bangladesh	Dr. N.R Sarker Principle Scientific Officer
10.	Development of cost effective crop residues based complete feeds (TMR) for ruminants	Dr. N.R Sarker Principle Scientific Officer
11.	Varietal demonstration of HYV fodder and development of existing feed resources based feeding system	Dr. N.R Sarker Principle Scientific Officer
12.	Taxonomical and molecular characterization and micro propagation of available <i>Moringa Oleifera</i> cultivars through tissue culture in Bangladesh	Dr. Khan Shahidul Huque Chief Scientific Officer
13.	Study on Moringa plant fodder agronomy and its feeding to ruminants	Dr. Khan Shahidul Huque Chief Scientific Officer
<b>(G) Native Chicken Conservation and Development Project</b>		
14.	Study on nutrient requirement and development of feeding management guidelines of BLRI improved native chicken	Shakila Faruque Senior Scientific Officer

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**Discipline: Socio-Economic and farming system research**

<b>Sl. No</b>	<b>Project Title</b>	<b>Name of PI</b>
<b>(A) Socioeconomic Research Division:</b>		
1.	Value chain analysis of milk and comparative advantages of milk production in some selected areas of Bangladesh	Md. Saiful Islam Scientific Officer
<b>(B) Training Planning &amp; Technology Testing Division:</b>		
2.	Development of livestock community through intervention of BLRI developed suitable technologies in some selected areas of Sylhet region	Dr. Razia Khatun, Senior Scientific Officer
3.	Livelihood Improvement of Rural Farmers through Suitable Livestock and Poultry Technology Dissemination in Selected Hilly Areas of Bangladesh	Dr. Razia Khatun, Senior Scientific Officer
4.	Field application of livestock technology of preservation of green forage as dol in different locations in Bangladesh	Dr. Md. Zillur Rahman Senior Scientific Officer
<b>(C) Buffalo Development Project (Component-B)</b>		
5.	Economic evaluation of buffalo production in some selected regions of Bangladesh	Dr. T. N. Nahar Chief Scientific Officer
<b>(D) Conservation and Improvement of native sheep through community farming &amp; commercial farming (2<sup>nd</sup> Phase)</b>		
6.	Development of blended yarns and fabric from jute, cotton and native sheep wool	Dr. Md. Ershaduzzaman Principal Scientific Officer
7.	Community based sheep production in hilly area at Naikhongchari	Dr. Md. Azharul Islam Talukder, Chief Scientific Officer