

**Annexure II: Student's Research Proposals submitted for IBSC approval**

<b>Sl. No.</b>	<b>Name of the Student, Regn No. &amp; Department</b>	<b>Name of the Major Guide</b>	<b>Title of Research</b>	<b>Degree Programme (MVSc/PhD)</b>	<b>Proposed Category of Experiment</b>	<b>Verified Category of Experiment</b>	<b>BSL level required</b>	<b>Remarks</b>
1	Dr. Sangeeta Das (Microbiology)	Dr. Pankaj Deka	Thermoadaptation of Newcastle disease virus isolate from duck and immunogenic potential	MVSc	II	II	2	Approved
2	Dr. Monuj Kr. Doley (Microbiology)	Dr. (Mrs) S. Das	"Phenotypic & Molecular Characterization of <i>Riemerella anatipestifer</i> Isolates from Ducks"	PhD	II	II	2	Approved
3	Dr. Bhriku Kr. Neog (Microbiology)	Dr. Dilip Kr. Sarma	Molecular detection and characterization of Newcastle disease virus strains from poultry	PhD Scholar	II	II	2	Approved
4	Dr. Adwitiya Das (Microbiology)	Dr. D.K Sarma	"Isolation & characterization of bacteriophages & their lytic effects on multidrug resistant Escherichia coli strains from pig"	MVSc Scholar	II	II	2	Approved
5	Dr. Mrinmoyee Sarma (Veterinary Public Health)	Dr. A.G Barua	Prevalence of Cysticercosis in Jorhat district of Assam	MVSc	II	II	2	Approved
6	Dr. Bantiya Mohan Tripura ( Veterinary Public Health)	Dr. P. Hussain	Sero-prevalence and risk factor analysis of Leptospirosis among cattle population in west district of Tripura state	MVSc	II	II	2	Approved
7	Dr. Phunu Talukdar (Veterinary Public Health)	Dr. R.A Hazarika	Mosquito-borne Flavi viruses in livestock & poultry farms in urban setting of Guwahati: Mosquito identification & molecular detection of virus.	MVSc	II	II, III	2	Provisionally approved (Restricted to Risk Group 2 organisms only)

8	Dr. Namitha A (Pharmacology & Toxicology)	Dr. Jadav Sarma	Evaluation of in-vitro antiviral activity of Nanocurcumin & Nanoeugenol against goat pox	MVSc	II	II	2	Approved
9	Dr. Lukumoni Buragohain (Animal Biotechnology)	Dr. Sohini Dey	Development of a DNA vaccine against Porcine Circovirus type 2 and evaluation of its immuno- potential in mice model.	PhD	II	II	2	Approved
10	Dr. Dipankar Hazarika (Dept. of Veterinary Biochemistry)	Dr. Shantanu Tamuly	Toxicological analysis of Nanoparticles used as oral vaccine delivery system for poultry	PhD Scholar	I	N/R	1	Approved
11	Dr. Anisha Sultana (Dept. Of Veterinary Biochemistry)	Dr. Shantanu Tamuly	Effect of to1R deletion mutation on release of OMV of <i>Salmonella</i> Typhimurium & evaluation of nano- and micro-particles conjugated vaccines.	MVSc Scholar	II	II	2	Approved
12	Dr. Pooja Marwaha (Veterinary clinical medicine, ethis & Jurisprudence)	Dr. T. C Dutta	Haemoprotzoal disease of cat & its Therapeutic management	MVSc Scholar	II	II	2	Approved
13	Dr. Arpana Barua (Veterinary clinical medicine, ethis & Jurisprudence)	Dr. D. barman	Otitis in dog & its Therapeutic management	MVSc Scholar	II	II	2	Approved
14	Dr. Gunajit Barman (Veterinary clinical medicine, ethis & Jurisprudence)	Dr. B C Baishya	Osteomalacia: its diagnosis & management in dairy cows	MVSc Scholar	NA	N/R	1	Approved
15	Dr. Pratik Bhowmik (Dept. of Parasitology)	Dr R Neog	Tick & Mite infestation in dog in and around Guwahati, Assam	MVSc Scholar	I, II	II	2	Approved

16	Dr. Gautam Ramjibhai Parikh (Dept. of Veterinary Epidemiology & preventive Medicine)	Dr Mrinal Kr. Nath	<i>Escherichia coli</i> associated diarrhoea in calves and its management	MVSc Scholar	II	II	2	Approved
17	Dr Bishal DebBarma (Dept. of Veterinary Epidemiology & preventive Medicine)	Dr Jyoti B. Dutta	Epidemiology & economic impact of Rabies in animals of Kamrup Metro District of Assam	MVSc Scholar	No experiment required	III	3	Provisionally approved (Need further clarification in respect sampling and methodology)
18	Dr. Ashit Chakraborty (Dept. of Veterinary Epidemiology & preventive Medicine)	Dr. G. Mahato	Management of Clostridial infection in elephants ( <i>Elephas maximus</i> ) with special reference to <i>Clostridium perfringens</i> .	MVSc Scholar	II	II	2	Approved
19	Dr. Dhritismita Boruah (Dept. of Veterinary Epidemiology & preventive Medicine)	Dr Deepa Lahkar	Tick infestation in dogs: its epidemiology & therapeutic management	MVSc Scholar	II	II	2	Approved
20	Dr. Puranpurna Goswami (Dept. of Animal Biotechnology)	Dr. Deep Prakash Saikia	Evaluation of P <sub>agN</sub> -based peptide(S) in combination with Vi-capsular antigen as vaccine candidate for <i>Salmonella</i> Typhi.	MVSc Scholar	II	II	2	Approved
21	Dr. Upasana Baruah (Dept. of Animal Genetics and Breeding)	Dr. Purabi Kaushik	Certain productive & reproductive performance of Sahiwal cattle under organized farm condition of Assam	MVSc Scholar	NA	N/R	-	Approved

22	Dr. Eyanshuman Das (Dept. of Animal Genetics and Breeding)	Dr. Dhireswar Kalita	Performance of HD-K75 in the original Nucleus Herd vis a vis public & private sectors of organized Pig farm	MVSc Scholar	NA	N/R	-	Approved
23	Dr. Dimpri Khanikar (Dept. of Animal Genetics and Breeding)	Dr. Arundhati Phookan	Performance evaluation & Polymorphism profiling of the fecundity genes in Indigenous sheep of Meghalaya	MVSc Scholar	NA	N/R	1	Approved
24	Dr. Pinky Saikia (Dept. of Animal Genetics and Breeding)	Dr. Farzin Akhtar	Performance of Indigenous sheep of Assam	MVSc Scholar	NA	N/R	1	Approved
25	Dr. Sushmita Moirangthem (Dept of LPT)	Dr. S K Laskar	Effects of soy protein & insulin on certain quality characteristics of low-fat duck meat sausages.	MVSc Scholar	I	II	2	Approved
26	Dr. Ekramul Hoque (Dept. Animal Nutrition)	Dr. Robin Bhuyan	Nutritional & feeding management strategies on performance, nutrient utilization & gut health in weaned crossbred pigs	PhD Scholar	No	II	2	Approved
27	Dr. Timothy Lalmalsawma (Dept. of Animal Genetics and Breeding)	Dr. Arpana Das	Isolation, characterization & Morpho-Biometric Evaluations of Prepubertal Porcine Spermatogonial Stem cells in different culture Media	PhD scholar	NA	N/R	2	Approved
28	Dr. Gagan Bhuyan (Dept. of Animal Nutrition)	Dr. Runjun Dowarah	Inclusion of different varieties of dietary nano iron particles for better performance of growing pig	MVSc Scholar	NO	N/R		Approved
29	Dr. Pinku Talukdar (Dept. of Surgery & Radiology)	Dr. Bitupona Deuri	Dental Affections & their Management in Dogs	MVSc Scholar	II	II	2	Approved

30	Dr. Gyandeep Choudhury (Dept. of Surgery & Radiology)	Dr. Bhupen Sarma	Effects of certain anaesthetic combinations in goat.	MVSc Scholar	Nil	N/R		Approved
31	Dr. Milton Engti (Dept. of Surgery & Radiology)	Dr. Kushal Konwar Sarma	Comparative study of surgical affections of Lakhimi & cross-bred cattle of Assam with their Therapeutic management	MVSc Scholar	II	II	2	Approved
32	Dr. Baishali Shil (Dept. of Animal Nutrition)	Dr. A. K. Gohain	A comparative study on the performance of broiler chickens on feeding diets containing essential oil, antibiotic & probiotic	MVSc Scholar	NO	I	1	Approved
33	Dr. Sunita Kalita (Dept. of Animal Nutrition)	Dr. Lakhyajyoti Borah	Effect of partial replacement of concentrate by feeding dried <i>Azolla</i> on growth performance of crossbred calves.	MVSc Scholar	NO	N/R	-	Approved
34	Dr. Lakhyajyoti Saikia (Dept of Pharmacology & Toxicology)	Dr. Dulal Chandra Roy	Toxic potential of Acephate on Rainbow rooster chicken	MVSc Scholar	NO	N/R	1	Approved
35	Dr. Khumtya Debbarma (Dept of Pharmacology & Toxicology)	Dr. R K Roy	Role of Nanocurcumin on experimentally induced $\alpha$ -Amanitin toxicity in rats	MVSc Scholar	NA	N/R	1	Approved
36	Dr. Navya L. N (Dept of Pharmacology & Toxicology)	Dr. Dilip Kr Deka	Elucidating intracellular signaling mechanism in nitric oxide mediated effects on goat detrusor muscle.	MVSc Scholar	NO	N/R		Approved
37	Dr. Racy Rongpi (Dept. of Animal Genetics and Breeding)	Dr. A.M Ferdoci	Genetic studies on growth performance of crossbred Pigs	MVSc Scholar	NA	N/R		Approved

38	Dr. Shrabanee Nayak (Dept. of Animal Genetics and Breeding)	Dr. G.C Das	Performance of Binjharpuri cattle in its breeding tract	MVSc Scholar	NA	N/R		Approved
39	Dr. Suman Kalita (Dept. of Surgery & Radiology)	Dr. Parsha Jyoti Nath	Platelet rich plasma (PRP) with $\beta$ -Tricalcium phosphate ( $\beta$ -TCP) & Demineralised bone matrix (DBM) in healing of bone tissue in rabbits	MVSc Scholar	NA	N/R	-	Approved
40	Dr. Farhin Aktar Choudhury (Dept. of Veterinary Pathology)	Dr. S. A Begum	Etiopathology of bacterial Diarrhoea in dogs with special reference to <i>Escherichia coli</i>	MVSc Scholar	II	II	2	Approved
41	Dr. Krishna Kalita (Dept. of Veterinary Pathology)	Dr. B Dutta	Pathomorphology & molecular detection of Duck virus Enteritis virus (DVEv) infection in Assam	MVSc Scholar	II	II	2	Approved
42	Dr. Taufique Ansari (Dept. of Veterinary Pathology)	Dr. S. M Tamuli	Pathomorphology & molecular diagnosis of Newcastle disease virus infection in poultry in and around Guwahati	MVSc Scholar	II	II	2	Approved
43	Dr. Karthikan Sadhasivam (Dept. of Veterinary Pathology)	Dr. Biswajit Dutta	Pathology & molecular detection of classical swine fever (CSF) & its association with porcine reproductive & respiratory syndrome (PRRS) & porcine circovirus associated disease (PCVAD) in pig	MVSc Scholar	II	III	3	Not approved

44	Dr. Mousumi Namasudra (Dept. of Veterinary Pathology)	Dr. C.V Phangcho	Etiopathology of mortality in captive wild animals in and around Guwahati	MVSc Scholar	NA	II	2	Approved
45	Dr. Kongkon Jyoti Dutta (Dept. of Veterinary Pathology)	Dr. S. M Tamuli	Pathology & molecular Diagnosis of <i>Helicobacter</i> infection in pig.	PhD	Does not arise	II	2	Approved
46	Dr. Pallab Borah (dept. of Animal Nutrition)	Dr. Gunaram Saikia	Growth performance of Beetal goat feeding on high plan of nutrition under stall Fed condition.	MVSc Scholar	No	N/R		Approved
47	Dr. Samiso Kramsapi (Dept. of Animal Biotechnology)	Dr. Rupam Dutta	Molecular characterization of Lactobacilli isolated from indigenous Ducks of Assam & in-vitro assessment of their probiotic activity	MVSc Student	I	I	1	Approved
48	Dr. Manoj Kr. Kalita (Dept. of Argo)	Dr. P.M. Barua	Optimizing cryopreservation of semen & artificial insemination in pigs	PhD Scholar	I	N/R	1	Approved
49	Dr. Bhubaneswar Sahoo (Dept. of Argo)	Dr. S. Sinha	Effect of commercial extender & curcumin as additive on quality of frozen beetal buck semen	MVSc Scholar	NA	N/R	1	Approved
50	Dr. Mitali Dutta (Dept. of Argo)	Dr. Sudip Sinha	Characterization of membrane proteins in fresh & frozen spermatozoa in Assam hill goat	PhD	NA	N/R	1	Approved
51	Dr. Prasanta Kr Das (Dept. of Argo)	Dr. S. Sinha	Effect of Cryopreservation on semen biochemical parameters including lipid profile in beetal & Assam hill goat	PhD Scholar	NA	N/R	1	Approved

52	Dr. Ibalaiahun Kharlukhi (Dept. of Argo)	Dr. K. Ahmed	Effect of Additives on Ultrastructure of boar spermatozoa during preservation at 15°C	MVSc Scholar	NA	N/R	1	Approved
53	Dr. Mokhtar Hussain (Dept. of Argo)	Dr. K. Ahmed	Differential expression of certain fertility marker genes in Yak semen & their association with Yak embryo production	PhD Scholar	NA	N/R	1	Approved
54	Dr. Bhaskarjyoti Kalita (Dept. of Argo)	Dr. D.K Sarma	Fertility status in relation to the Physio-Biochemical properties of cervicovaginal mucus, serum minerals & hormonal profile in Lakhimi cattle	MVSc Scholar	NA	N/R	1	Approved
55	Dr. Chahidur Rahman (Dept. of Argo)	Dr. M Bhuyan	Induction of postpartum oestrus in Lakhimi cow through hormonal & nutritional interventions	MVSc Scholar	NA	N/R		Approved
56	Dr. Sabera Islam Chowdhury (Dept. of Argo)	Dr. K. Ahmed	Metagenomics of uterine bacteria of repeat breeder cows & therapeutic management of Endometritis	MVSc Scholar	NA	II	2	Approved
57	Dr. Nripendra Mahanta (Dept. of Argo)	Dr. K. Ahmed	Effect of preservation on morphological & physio-biochemical characteristics of boar semen.	PhD Scholar	NA	N/R	1	Approved
58	Dr. Sunita Thakuria (Dept. of Argo)	Dr. Dipak Bhuyan	Effect of different cryoprotectant on post thaw quality of porcine spermatogonial stem cell.	MVSc Scholar	NA	N/R	1	Approved
59	Dr. Surabhi Basumatary (Dept. of Argo)	Dr. P.M Barua	Effect of preservation on quality of HD-K75 boar semen & its molecular evaluation	MVSc Scholar	NA	N/R	1	Approved
60	Dr. Pracheer Budhwar (Dept. of Surgery & Radiology)	Dr. Dwijen Kalita	Diagnosis, treatment & rehabilitation of coxofemoral joint affections in dogs	MVSc Scholar	I	N/R	-	Approved



61	Dr. Migom Mili (Dept. of Extension Education)	Dr. Leena Bora	Assessment of Ethno Veterinary practices & its relevance for Livestock & Poultry in Majuli district of Assam	MVSc Scholar	Does not arise	N/R	-	Approved
62	Dr. Pompei Rani Boro (Dept. of LPT)	Dr. M. Hazarika	Effect of Rice beer & Phyto-ingredients on certain quality characteristics of Duck meat product	PhD	I	II	2	Approved
63	Dr. Santosh Upadhyay (Dept. of Veterinary Biochemistry)	Dr (Mrs) R. Nath	Development of chitosan based packaging film incorporated with zinc oxide nanoparticles & green tea extracts: it's effect on shelf life of meat & meat product (Chicken)	PhD Scholar	I & II	II	2	Approved
64	Dr. Kalpita Saikia (Dept. of LPT)	Dr. S. K. Laskar	Effect of black rice extract on quality characteristics of duck meat nuggets	PhD	I	II	2	Approved
65	Dr. Ferdinee Dhar (Dept. Of Poultry Science)	Dr. R. Saikia	Sustainable management of dead birds, poultry slaughter house & hatchery wastes through composting	MVSc	III	II	2	Approved
66	Dr. Chingchi N. Sangma (Dept. Of Poultry Science)	Dr. D. Sapkota	Utilization of chicken whole blood for the preparation of chicken meat balls	MVSc	III	II	2	Approved
67	Dr. Kanmoni Goyari (Dept. Of Poultry Science)	Dr. Reema Saikia	Utilization of chicken whole blood for preparation of chicken nuggets	MVSc	III	II	2	Approved
68.	Dr. Siddhanta Kar (Dept. of Microbiology)	Dr. D.P. Bora	Detection & Characterization of Picobirna virus from pigs in Assam	MVSc	II	II	2	Approved

**Annexure I: Externally funded Research Projects submitted by PIs for approval of IBSC**

<b>Sl. No.</b>	<b>Department</b>	<b>Title of Research Project</b>	<b>Name of the PI with designation</b>	<b>Funding Agency</b>	<b>Proposed Category of Experiment</b>	<b>Verified Category of Experiment</b>	<b>BSL level required</b>	<b>Remarks</b>
1.	Poultry Science	Development of iron-enriched spent hen meat products for boosting layer industry and entrepreneurship	Dr. Deben Sapkota: Professor & Head	NABARD	III	II	2	Approved
2.	Veterinary Biochemistry	An integrated approach to explore and exploit the innate and Adaptive Immune response in Indigenous Duck Breeds of North Eastern & South India	Dr. Dhruva Jyoti Kalita: Professor	Dept. of Biotechnology, Govt. of India	I & II	II & III	3	Pending (Need further clarification from PI regarding <i>Pasteurella</i> spp. involved)
3.	Parasitology	Molecular platform for epidemiology, disease mapping & development of diagnostics for economically important diseases of ducks	Dr. Sulekha Choudhury Phukan Professor	DBT,NER-BPMC, NewDelhi-110024	I, II	II	2	Provisionally approved (Restricted to studies related to Risk Group 2 organisms only)
4.	Animal Biotechnology	Generation of DNA vaccine with a mutated capsid gene of Porcine Circovirus type 2 & evaluation of its immune-potential	Dr. Lukumoni Buragohain Asst. Professor	NECBH TWINING PROJECT (DBT, GOI)	II	II	2	Approved
5.	Animal Biotechnology	<i>In-silico</i> characterization & biological validation of potential peptide vaccines for <i>Salmonella</i> Typhi using the outer membrane protein PagN as target	Dr. Deep Prakash Saikia Asst. Professor	DBT	II	II	2	Approved

6.	Dept. of Argo	Implementation of electronic resistance in vaginal mucus (ERVm) technology to improve reproductive performance of cross breed cow	Dr. Raju Deka Asst. Professor	NECBH-DBT Twining Project	NA	N/R	-	Approved
7.	Dept. of Argo	Utilization of Bio-Waste for wealth generation	Dr. Prithviraj Mazinder Barua Professor	RKVY, Assam Agriculture University	NA	N/R	-	Approved
8.	Dept. of Argo	Understanding the aetiology of infertility associated with prolonged follicle dominance in bovine & its therapeutic management	Dr. Manjyoti Bhuyan Asst. Professor	DBT, GOI	NA	N/R	1	Approved
9.	Dept. of Argo	Technology intervention in household piggeries for doubling farmers' income by setting up rural transformation clusters	Dr. Kutubuddin Ahmed Professor & Head, Dept. Of Argo	DBT, GOI	NA	N/R	-	Approved
10.	Dept. of Animal Genetics & Breeding	Molecular characterization & development of breed signatures for indigenous sheep of Northeast India	Dr. Arundhati Phookan Asstt. Professor	ICAR	Does not arise	N/R	1	Approved
11.	Dept. of ARGO	Assessment of male infertility using infrared digital thermography in livestock	Dr. Manna Baruti Asstt. Professor	NECBH-DBT Twining project	NA	N/R	-	Approved
12.	Dept. of ARGO	AICRP on Nutritional & Physiological interventions for enhancement reproductive performance in animals	Dr. Kutubuddin Ahmed, Professor & Head, Dept. Of Argo	ICAR	-	N/R	1	Approved
13.	Dept. of ILFS	Genetic up-breeding of duck production to strengthen livelihood security in NER of India by covering conventional & molecular techniques.	Dr. Purabi Kaushik Asstt. Professor	DBT	I	N/R	1	Approved

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