

Proceedings of the Eighth Meeting of Institutional Biosafety Committee (IBSC),
C.V.Sc., AAU held on 19th June, 2025 under the Chairmanship of
Dr. B.N. Saikia, Dean, Faculty of Veterinary Science, AAU

Members Present:

1. Dr. P. Borah, DRV, Member
2. Dr. N.N. Barman, Member Secretary
3. Dr. U. Bora, External Member
4. Dr. M. R. Khan, DBT Nominee
5. Dr. R.A. Hazarika, Member
6. Dr. P. Mohan, Member
7. Dr. J. Das, Biosafety Officer
8. Dr. J.D. Mahanta, Special Invitee
9. Dr. L. Buragohain, Member

The meeting started with welcome address from the Member Secretary, Dr. N.N. Barman and briefed about the agenda of the meeting. Then the Chairman cum Dean, Dr. B.N. Saikia gave his opening remarks to the house. It was followed by the business as per the set agenda:

1. Approval of proceeding of 7th IBSC meeting held on 11th November, 2024:

The Member Secretary, Dr. N. N. Barman briefed about the proceeding of last meeting which was accepted and approved by the house. Also Dr. Barman presented the action taken report on recommendations made by IBSC during the last meeting held on 21/11/2024. Dr. Barman informed the house that awareness and sensitization programme related to Biosafety issues for the PG students was conducted on 01.02.2025 as well as apprised the house that Head, Department of the Pathology is working on preparation of new proposal for carcass disposal system.

2. Project proposal approval:

Total 61 nos. of applications were received by IBSC for clearance and out of which 6 nos. were from PIs and remaining 55 nos. were from PG and Ph. D students. Each proposal was discussed in detail by the members particularly on the biosafety aspects in the light of *Regulations & Guidelines on Biosafety of rDNA Research & Biocontainment, 2017* and appropriate decisions were taken on approval/disapproval of the same. Detailed list of the proposals placed before the committee along with the final remarks of the committee is appended in Annexures I & II.


3. The house decided to hold awareness programmes for the faculty members of CVSc, Khanapara w.r.t Biosafety issues for research works. The programme will be held block wise constituting a few departments which will be decided by the internal members in consultation with Chairman, IBSC cum Dean, FVSc.
4. Dr. N.N. Barman apprised the house regarding constraints in maintaining the BSL-3 lab located in the DBT-ADMaC Building, particularly fund involve in AMC of the BSL-3. After discussion it was decided to submit a proposal to ICAR through DR (Vety.) for financial support.
5. Dr. Utpal Bora proposed the house to explore the possibilities for establishment of a crematory for pets which could be a safe disposal of carcass as well as an earning source for the institute.

The meeting ended with vote of thanks from Dr. Lukumoni Buragohain, Member, IBSC who thanked all the members for their active participation in the meeting and for their constructive suggestions.



(B.N. Saikia) Dean
Chairman, Faculty of Vety. Science
Assam Agril. University,
Khanapara, Guwahati

Annexure I: Student's Research Proposals submitted for IBSC approval

M.V.Sc. Student Proposals							
Sl. No	Name of the student & Roll No.	Title of the research Problem	Name of the Guide	Proposed Category of Experiment	Verified Category of Experiment	BSL level required	Remarks
ANIMAL GENETICS AND BREEDING (AGB)							
1.	Dr. Aakriti Sharma 2024-VMK-07	Genetic Polymorphism of <i>GH</i> , <i>GHR</i> and <i>IGF-1</i> Genes in Relation to Growth Traits of HD-K75 Pigs	Dr. Bula Das	NA	NA	NA	Approved
2.	Dr. Bhargab Talukdar 2024-VMK-08	Performance Studies on Indigenous Goats of Assam	Dr. Farzine Akhtar	NA	NA	NA	Approved
ANIMAL NUTRITION (ANN)							
3.	Dr. Krishna Mahanta 2024-VMK-41	Effect of Dietary Supplementation of Xylanase and Xylo-Oligosaccharide Prebiotic for Enhancing the Performance of Crossbred Pigs	Dr. Robin Bhuyan	NA	NA	NA	Approved
4.	Dr. Narwate Omprakash Mashnaji 2024-VMK-43	Effect of Feeding Herbal Mixture of Giloy (<i>Tinospora cordifolia</i>) and Fenugreek (<i>Trigonella foenum-graecum</i>) on Productive Performances of Crossbred Milch Cows	Dr. Lakhyajyoti Borah	NA	NA	NA	Approved
5.	Dr. Mayur Goswami 2024-VMK-42	Effect of Ajwain (<i>Trachyspermum ammi</i>) supplementation on Growth Performance and nutrient utilisation of rainbow rooster chicken	Dr. Kanak Chandra Barman	NA	NA	NA	Approved
ANIMAL REPROD. GYNAE. AND OBSTETRICS (ARGO)							
6.	Dr. Sajid Ahmed 2024-VMK-06	Effect of Sericin as Additive on Freezability of Beetal Buck Semen	Dr. Sudip Sinha	I	NA	NA	Approved


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7.	Dr. Humakhi Tasa 2024-VMK-47	Effect of Sericin Supplementation in Egg Yolk Free Extender on Freezability of Assam Hill Goat Semen	Dr. Maradona Nath	I	NA	NA	Approved
8.	Dr. Khan Iqbal Farid 2024-VMK-48	Infrared Digital Thermography for Determination of Surface Body Temperature Changes During Different Stages of Estrous Cycle in Lakhimi Cows	Dr. L. J. Dutta	I	NA	NA	Approved
9.	Dr. Kushal Ray 2024-VMK-49	Potential of a Diagnostic Kit for Detection of Uterine Infection in Bovine	Dr. Manjyoti Bhuyan	NA	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
10.	Dr. Mithun M D 2024-VMK-50	Comparative Efficacy of Lycopene and Quercetin Supplementation in Semen Extender on Liquid and Frozen-Thawed Boar Semen Quality	Dr. Mitali Dutta	NA	NA	NA	Approved
11.	Dr. Vartika Sanghi 2024-VMK-51	Comparative Efficacy of Different Chemical Sterilizing Agents for Castration in Rat Model	Dr. Mitali Dutta	NA	NA	NA	Approved
12.	Dr. Aziza Sabira Parvin 2024-VMK-53	Therapeutic Management of Silent Oestrus in Lakhimi Cows	Dr. Jitu Moni Das	I	NA	NA	Approved
LIVESTOCK PRODUCTION AND MANAGEMENT (LPM)							
13.	Dr. Bhaskar Jyoti Chutia 2024-VMK-10	Study on carbon footprint under different pig production systems	Dr. Jakir Hussain	NA	NA	NA	Approved


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14.	Dr. Manish Borah 2024-VMK-11	Study on the Status of Management Practices of Pet Birds in the Brahmaputra Valley of Assam	Dr. Raj Jyoti Deka	NA	NA	NA	Approved
15.	Dr. Marvella Philabet Warbah 2024-VMK-12	Effect of Sponging on the Performance of Sahiwal Cows During Summer	Dr. Adib Haque	I	NA	NA	Approved
POULTRY SCIENCE							
16.	Dr. Rishov Bharali 2024-VMK-35	Effects of Manganese Supplementation on Oxidative Stress Markers and Welfare of Chicks During Transportation in Summer Season	Dr. Siddhartha Shankar Pathak	NA	NA	NA	Approved
VET. MEDICINE							
17.	Dr. Chayanka Sekhar Laskar 2024-VMK-01	Prevalence and Therapeutic Management of Parasitic Diarrhea in Calf	Dr. Ditul Barman	NA	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
18.	Dr. Amita G 2024-VMK-20	Immunogenic Potential of Inactivated Preparation of Newcastle Disease Virus Genotype XIII	Dr. Mrimal Kumar Nath	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works.
19.	Dr. Inzamamul Haque Laskar 2024-VMK-21	Occurrence of Haemoparasites in Dog with Special Reference to <i>Babesia gibsoni</i>	Dr. Pallabi Thakuria	-	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
20.	Dr. Kh. Monita Singha 2024-VMK-23	Molecular Detection and Therapeutic Management of Feline Calicivirus and Feline Herpesvirus-1 Infection in cats	Dr. Ditul Barman	NA	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols.

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							The IBSC approves initiation of the research works
21.	Dr. Sunil Kumar 2024-VMK-25	Prevalence of Amphistome and <i>Fasciola</i> Species in Goats and Its Therapeutic Management	Dr. Prasanta Kumar Boro	NA	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
22.	Dr. Taheen Teronpi 2024-VMK-26	Blood Transfusion in Anaemic Goats	Dr. Juripriya Brahma	NA	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
23.	Dr. Manuj Kumar Nath 2024-VMK-44	Epidemiology of Animal Rabies in Kamrup Metro: One Health Approach	Dr. Jyoti B. Dutta	NA	NA	NA	Approved
24.	Dr. Abhisek Anand 2024-VMK-45	Affections of the Canine Prostate with special Reference to the Management of Benign Prostatic Hyperplasia	Dr. Arabinda Phukan	NA	NA	NA	Approved
VETY. EXTENSION EDUCATION							
25.	Dr. Nayandeep Kalita 2024-VMK-09	Role of Digital Literacy in Livestock Farmers' Access to Information and Entrepreneurship in Kamrup District of Assam	Dr. Leema Bora	NA	NA	NA	Approved
26.	Dr. Kukil Saikia 2024-VMK-29	Farmers' Awareness Towards Parasitic Diseases Affecting Dairy Industry in Central Assam	Dr. M. N. Ray	NA	NA	NA	Approved
27.	Dr. Richamoni Deuri 2024-VMK-30	Impact of Poultry Diseases on Tribal Farmers in Kamrup (M) District of Assam	Dr. Sadananda Payeng	NA	NA	NA	Approved

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28.	Dr. Lal Malsawmi Rokhum 2024-VMK-31	Study on Quality Evaluation of Ethnic Meat Products Among Tribal Communities of Tripura	Dr. Monosri Johari	NA	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
29.	Dr. Palash Dhoni Boro 2024-VMK-33	Impact of African Swine Fever (ASF) Among Pig Rearers in Lakhimpur District of Assam	Dr. L Sanathoi Khuman	NA	NA	NA	Approved
30.	Dr. Saurav Dutta 2024-VMK-34	Adaptation Strategies in Livestock Production and Productivity under Khuti Herding in Assam	Dr. Biju Borah	NA	NA	NA	Approved
VETY. MICROBIOLOGY							
31.	Dr. Suchanda Doloi 2024-VMK-13	Characterization of Prevalent Fowl Adenovirus Strains in Assam for Development of an Effective Immunogenic Formulation	Dr. Pankaj Deka	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
32.	Dr. Parag Jyoti Kalita 2024-VMK-14	Characterization and Antibigram of Non-Typhoidal <i>Salmonella</i> Serovars and <i>Listeria</i> spp. from Slaughter Points in Guwahati City	Dr. Arfan Ali	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
33.	Dr. Abdul Kasheef 2024-VMK-15	Development of Antibody Detection Elisa and Multiplex PCR for Differentiation of Predominant Fowl Adenovirus Serotypes	Dr. Sophia M. Gogoi	II	II	2	All the biological samples, glass/plastic ware, should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
34.	Dr. Sudipta Nath 2024-VMK-19	Molecular Characterization and Immunogenic Potential of <i>Pasteurella multocida</i> Isolates of Duck	Dr. Shiney George	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works

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VET. PARASITOLOGY

35.	Dr. Himashri Barman 2024-VMK-02	Genetic Analysis of Sodium Channel Gene of <i>Rhipicephalus microplus</i> with respect to Pyrethroid Resistance	Dr. Kuntola Roy	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
36.	Dr. Nikita Phukan 2024-VMK-03	A Study on the Occurrence of Helminth Infection in Captive Asian Elephants (<i>Elephas maximus</i>) in Assam	Dr. Pallabi Pathak	NA	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works

VET. PATHOLOGY (VPP)


37.	Dr. Rahul Nath 2024-VMK-17	Pathomorphological Studies on Goat Mortality	Dr. Biswajit Dutta	III	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
38.	Dr. Queen Bhuyan 2024-VMK-18	Etiopathology of Enteric Infections in Chicken	Dr. Shameem Ara Begum	III	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works

VET. PHARMACOLOGY

39.	Dr. Anupallavi Sarmah 2024-VMK-05	Evaluation of Renoprotective Effect of Syringic Acid in Gentamicin Induced Nephrotoxicity in Rats	Dr. Jadav Sarma	NA	NA	NA	Approved
40.	Dr. Ankit Das 2024-VMK-04	Benzimidazole Resistance Study in Clinical Caprine Haemonchosis in Assam with Reference to Involvement of β -Tubulin Gene	Dr. Snigdha Hazarika	I	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works


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VETY. PHYSIOLOGY							
41.	Dr. Gopal Yadav 2024-VMK-27	Effect of Green Synthesized Nano Zinc Supplementation on Growth and Development of Goat Kids	Dr. Nikhil Chandra Nath	NA	NA	NA	Approved
42.	Dr. Khulpuwa Wangkhaidun Charanga 2024-VMK-28	Effect of Ascorbic Acid Supplementation on Growth and Physiological Responses of Goat Kids During Summer Season	Dr. Champak Barman	NA	NA	NA	Approved
VETY. PUBLIC HEALTH & EPID							
43.	Dr. Riya Borah 2024-VMK-16	Isolation and Characterization of Bacteriophages from Pork and Evaluation of Their Lytic Effects Against <i>Salmonella</i> and <i>Klebsiella</i> spp.	Dr. Archana Talukdar	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
44.	Dr. Anshuman Konwar 2024-VMK-52	Seroprevalence and Molecular Identification of <i>Coxiella burnetii</i> in Cattle and Goats	Dr. Aditya Baruah	III	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works and handling of organism should be limited to diagnosis only
VETERINARY SURGERY & RADIOLOGY							
45.	Shyamal Deep Gogoi 2024-VMK-39	Surgico-medical management of canine urolithiasis	Dr. Dwijen Kalita	NA	NA	NA	Approved

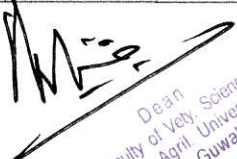

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Ph.D Student Proposals							
Sl. No.	Name of the student(s)	Title of the research Problem	Name of the Guide	Proposed Category of Experiment	Verified Category of Experiment	BSL level required	Remarks
A.R.G.O							
46.	Dr. Raju Deka 2023-VDK-02	Effect of Follicular Wave Synchronization Prior to Ovum Pick-Up on Quality of <i>in-vitro</i> Embryo Production in Lakhimi Cattle	Dr. Manjyoti Bhuyan	NA	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
47.	Dr. Manna Baruti 2022-VDK-07	Studies on the effect of different media on OPU derived in vitro embryo production in Crossbred cattle	Dr. Manjyoti Bhuyan	NA	II	II	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
LIVESTOCK PRODUCTS TECHNOLOGY							
48.	Dr. Kiran Moyee Handique 2023-VDK-06	Development of a Packaging Film Using Chicken Skin Gelatin, Starch and Essential Oils for Fresh Meat Packaging	Dr. Saurabh Kumar Laskar	NA	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
LIVESTOCK PRODUCTION MANEGEMENT							
49.	Dr. Karuna Saikia 2023-VDK-01	Effect of Colostrum Intake and Maternal Behaviour on Growth and Immunity of Piglets	Dr. Jogi Raj Bora	NA	NA	NA	Approved
VETY. MICROBIOLOGY							
50.	Dr. Jayashree Sarma 2023-VDK-08 (II)	Molecular snapshot of Zoonotic and Non Zoonotic viral pathogens detected in pig slaughter points by Genomic and Metagenomic approach	Dr. N.N. Barman	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works

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VETERINARY PATHOLOGY							
51.	Dr. Mridusmrita Buragohain 2023-VDK-04	Fowl Adenovirus Infection in Broiler Chicken: Pathomorphology, Pathogenicity and Molecular Studies	Dr. S. Goswami	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
VET. MEDICINE							
52.	Dr. Utpal Barman 2023-VDK-03	Integrated Diagnostic and Therapeutic Approaches for Pneumonia in Goats	Dr. Bendangla Changkija	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
53.	Dr. Shveta Singh 2023-VDK-07	Virus Associated Respiratory Tract Infection in Dogs and Their Therapeutic Management	Dr. Deepa Lahkar	NA	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
BIOCHEMISTRY AND AGRICULTURAL CHEMISTRY							
54.	Miss Deena Lyrisha Aranha 2022-ADJ-03	Biochemical functional and feeding qualities of processed rice bran	Dr. Priyanka Das	NA	II	2	Not considered, as it does not come under the purview of this IBSC.
VETERINARY SURGERY & RADIOLOGY							
55.	Dr. Arup Das 2023-VDK-07	Echocardiographic Values and Cardiac Health Assessment in Indigenous and Common Dog Breeds	Dr. Dwijen Kalita	NA	NA	NA	Approved



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

Sl. No.	Department	Title of Research Project	Name of the PI with designation	Funding Agency	Proposed Category of Experiment	Verified Category of Experiment	BSL level required	Remarks
1.	Animal Biotechnology	Development of a marketable probiotic consortium of lactic acid bacteria isolated from traditional rice beer Xaaj of Assam for pig.	Dr. Biswajyoti Borah	DBT, Govt of India	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
2.	Animal Biotechnology	Development of novel multiplex-based point of care (M_POC) diagnosis for Brucellosis, Leptopirosis, Scrub typhus and Coxiellosis(Q fever) and to unravel zoonotic diseases dynamics at human and animal interface in assam, North East India.	Dr. Luit Mani Barkalita	ICMR, Govt. of India	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
3.	Animal Biotechnology	Rabies and Anti-microbial Resistance (AMR) in Free-roaming Dogs.	Dr. Luit Mani Barkalita	CreIndia Foundation, India	II	II	2	Approved. PI should ensure the anti-rabies vaccination of workers and proper PPE kit should be used while collecting the samples.
4.	Veterinary Microbiology	Development of a cell culture adapted duck plague virus vaccine formula.	Dr. Manika Buragohain	DBT-BIRAC	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate


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								biosafety protocols. The IBSC approves initiation of the research works
5.	Veterinary Microbiology	Documentation of different livestock diseases in the border areas of Northeast India.	Dr. Pankaj Deka	DRDO	II	II	2	All the biological samples, glass/plastic ware should be handled and disposed following appropriate biosafety protocols. The IBSC approves initiation of the research works
6.	Animal Biotechnology	Capacity Building and Development of Skilled Human Resources in the field of Zoonotic Diseases under One Health Initiatives.	Dr. Dipak Deka	ICMR, Govt. of India	II	II	2	Approved


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