

**Proceedings of the Ninth (9<sup>th</sup>) Meeting of Institutional Biosafety Committee (IBSC), C.V.Sc., AAU held on 25<sup>th</sup> May, 2026 under the Chairmanship of Dr. B.N. Saikia, Dean, Faculty of Veterinary Science, AVFU, Khanapara, Guwahati 781022, Assam**

Members Present:

1. Dr. P. Borah, Director of Research, Member IBSC
2. Dr. N.N. Barman, Professor & Head, Member Secretary IBSC
3. Dr. M. R. Khan, Professor, DBT Nominee IBSC
4. Dr. Utpal Bora, Professor, External Member IBSC (Attended Online)
5. Dr. R.A. Hazarika, Professor & Head, Member IBSC
6. Dr. P. Mohan, Professor, Member IBSC
7. Dr. J. Das, SMO, Biosafety Officer IBSC
8. Dr. J.D. Mahanta, Rtd. Professor & Head, Special Invitee
9. Dr. Rita Nath, Professor & i/c Academic Cell (PG), Special Invitee
10. Dr. L. Buragohain, Scientist, Member IBSC

The meeting started with welcome address from the Member Secretary, Dr. N. N Barman along with briefing about the agenda of the meeting. Then the Chairman cum Dean, Dr. B.N. Saikia gave his opening remarked to the house. After opening remarks from the Chairman, the house deliberated upon the following issues:

**1. Approval of proceeding of 8<sup>th</sup> IBSC meeting held on 19<sup>th</sup> June, 2025**

The Member Secretary, Dr. N. N. Barman, briefed the house on the proceedings of the previous meeting, which were subsequently accepted and approved. Dr. Barman also presented the Action Taken Report on the recommendations made by the Institutional Biosafety Committee (IBSC) during its last meeting held on 19.06.2025.

Dr. Barman informed the house that an awareness and sensitization programme on biosafety issues for postgraduate students and faculty members was organized on 24<sup>th</sup> March 2026, in which a total of 130 faculty members and PG students participated. For the proper disposal of biomedical waste, display boards along with five sets of colour-coded waste disposal containers were distributed and installed at the Medicine Block, ABT & LPT Block, Departments of Veterinary Pathology, Parasitology and Pharmacology, and the Veterinary Clinical Complex (VCC). In addition, central disposal containers were installed at the VCC gate and the main entrance gate to facilitate easy collection by the Fresh Air Agency.

Dr. Barman also appraised the house regarding the renewal/reformation and renaming of the IBSC from AAU to AVFU, particularly in view of the impending retirement of several internal members. In this regard, Dr. P. Borah suggested exploring the possibility of renaming and renewing the committee through the online IBKP portal, as well as constituting separate IBSCs for different colleges under AVFU.

**Project proposal approval:**

Total 61 nos. of applications were received by IBSC for clearance and out of which 05 nos. were from PIs and remaining 56 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.


2. Dr. M. R. Khan, DBT Nominee proposed the house to conduct more sensitization programme related to Biosafety issues for the PG students and faculty members and also he thanked all the members for smooth conduction of the meeting.
3. Dr. P. Borah, Director of Research (Veterinary), requested the PIs, Major advisors and students to follow the DBT Regulations & Guidelines on Biosafety while working in the laboratory for their own safety as well as for the other researchers working in the same laboratory. Dr. Borah also requested the authority to create BSL-2 facilities in departments where repeated experiments related to pathogens handling are carried out.
4. The Chairman, IBSC, Dr. B.N. Saikia gave his conclusion remarks, in which he agreed that BSL-2 facilities in certain departments is essential for which he will look for fund from the authority of University. Dr. Saikia also requested all the Major guides, HoDs and PIs to follow the recommendation given by the IBSC in this meeting related to their respective thesis and research works. Moreover, Dr. Saikia also emphasised on organization of one more awareness programme in this year.

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

  
(B.N. Saikia)  
Chairman  
Dean  
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**Annexure I: Student's Research Proposals (Synopsis) submitted for IBSC approval**


M.V.Sc								
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
<b>ANIMAL NUTRITION (ANN)</b>								
1.	Dr. Akankhya Dutta	2025-VMK-17	Growth Performance and Gut Health of Post Weaned Piglets Supplemented with Fermented Bamboo Shoot (Bambusa balcooa)	Dr. Papori Talukdar	NA	II	2	Approved, microbial analysis to be carried out in BSL-2 Lab with proper disposal by autoclaving
2.	Dr. Buchi Reddygari Veera Hemanth Reddy	2025-VMK-19	Effect of Supplementation of Cinnamon Powder on production performance of Commercial Broiler Chicken	Dr. Robin Bhuyan	NA	NA	NA	Approved
3.	Dr. Dimple Dutta	2025-VMK-20	Effect of Feeding Distillers Dried Grain with Solubles (DDGS) on Productive Performance of Crossbred Cows	Dr. Lakhyajyoti Borah	NA	NA	NA	Approved
4.	Dr. Semina Choudhury	2025-VMK-24	Effect of Feeding Aloe Vera(Aloe barbadensis) Gel Powder on Lactation Performance and Hemato-Biochemical Activity in Milch Cow	Dr. Mamata Joysowal	NA	NA	NA	Approved
<b>ANIMAL REPROD., GYNAE. AND OBSTETRICS (ARGO)</b>								
5.	Dr. Bandita Sarma	2025-VMK-28	Augmenting fertility in Delayed Pubertal Lakhimi Heifer Through Nutritional and Hormonal Interventions	Dr. Lakshya Jyoti Dutta	I	NA	NA	Approved
6.	Dr. Hunmili Ronghangpi	2025-VMK-29	Effect of Autologous Platelet-Rich Plasma Supplementation in Tris Extender on Post-Thaw Quality of Beetal Buck Semen	Dr. Mitali Dutta	I	NA	NA	Approved
7.	Dr. Parishmita Das	2025-VMK-30	Therapeutic Efficacy of Intrauterine Ozone Therapy and Turmeric Extract in Subclinical Endometritis in Crossbred Cattle	Dr. Mitali Dutta	I	II	2	Approved, handling of bacteria and antibiotic sensitivity test is

  
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									to be carried out in BSL-2 Lab with proper disposal by autoclaving
8.	Dr. Pochmi Basumatary	2025-VMK-31	Effect of Sericin on Antioxidative Gene Expression and Enzyme Activity in Assam Hill Goat Frozen Semen	Dr. Maradona Nath	I	I	I		Approved
9.	Dr. Pori Bora	2025-VMK-32	Assessment of quality and microbial load in extended boar liquid semen under different storage conditions	Dr. Mohua Das Gupta	I	II	2		Approved, microbial analysis to be carried out in BSL-2 Lab with proper disposal by autoclaving
10.	Dr. Ripun Bora	2025-VMK-33	Effect of Recombinant Human FSH (r-FSH) Prior to Ovum Pick Up on Quality of <i>In Vitro</i> Embryo Production in Indigenous VS Crossbred Cattle	Dr. Manjyoti Bhuyan	NA	NA	NA		Approved
11.	Dr. Liza Bora	2025-VMK-38	Assessment of artificial insemination techniques and conception rate using sex-sorted semen in crossbred cattle	Dr. Pranjal Borah	NA	NA	NA		Approved
12.	Dr. Jini Ghosh	2025-VMK-49	Synergistic Effects of P-Coumaric Acid and ZnO Nanoparticles on the Quality of Cryopreserved Beetal Goat Semen	Dr. Mohua Das Gupta	I	NA	NA		Approved
<b>LIVESTOCK PRODUCTION AND MANAGEMENT (LPM)</b>									
13.	Dr. Azizur Rahman	2025-VMK-12	Study on Management Practices of working elephant in Assam with Special Emphasis on the Roles of Mahouts	Dr. Jakir Hussain	NA	NA	NA		Approved
14.	Dr. Nihamoni Ahmed	2025-VMK-13	Effect of Cold Water Sprinkling on Sahiwal Cows During Peak Summer Season	Dr. Adib Haque	NA	NA	NA		Approved
15.	Dr. Sarforaj Ahmed	2025-VMK-60	Effect of Stocking Density on Growth Performance of Assam Hill Goat	Dr. Prasanta Boro	NA	NA	NA		Approved
<b>LIVESTOCK PRODUCTS TECHNOLOGY (LPT)</b>									
16.	Dr. LK Saniam Kamei	2025-VMK-51	Quality Evaluation of Grilled Chicken Breast Marinated with Local Phyto-Ingredients of North	Dr. S. Choudhury	NA	II	2		Approved, microbial analysis

  
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			Eastern Region of India					is to be carried out in BSL-2 Lab with proper disposal by autoclaving
<b>POULTRY SCIENCE</b>								
17.	Dr. Masoom Khan	2025-VMK-01	Effect of Certain Herbal Extracts on Performance, Gut Health and Mitigating Antimicrobial Resistance in Broiler Chicken	Dr. Mihir Sarma	NA	II	2	Approved, microbial analysis is to be carried out in BSL-2 Lab with proper disposal by autoclaving
18.	Dr. Promila Brahma	2025-VMK-02	Effect of Supplementation of Dried Fermented Bamboo Shoot Powder on performance and Intestinal Health of Broiler Chicken	Dr. Dimpi Choudhury	NA	II	2	Approved, microbial analysis is to be carried out in BSL-2 Lab with proper disposal by autoclaving
19.	Dr. Bhuma Sumanth Reddy	2025-VMK-18	Effect of Dietary Supplementation of Licorice ( <i>Glycyrrhiza glabra</i> ) Root Powder on performance of Broiler Chicken	Dr. Rafiqul Islam	NA	NA	NA	
20.	Dr. B K Keerthi Reddy	2025-VMK-46	Effect of Feeding Powdered Form of Mung Bean ( <i>Vigna radiata</i> ) Sprouts and Onion ( <i>Allium cepa</i> ) on Growth and Semen Quality of Kamrupa Cockerels	Dr. Reema Saikia	NA	II	2	Approved, microbial analysis to be carried out in BSL-2 Lab with proper disposal by autoclaving
<b>ANATOMY &amp; HISTOLOGY</b>								
21.	Dr. Sutosmita Karmakar	2025-VMK-55	Functional Anatomy of the Proventriculus, Gizzard and Caeca of Rajdigheli Geese ( <i>Anser anser</i> ) of Assam	Dr. Munmun Sarma	-	II	2	Approved, microbial analysis to be carried out in BSL-2 Lab with proper disposal by autoclaving

  
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								disposal by autoclaving
<b>VET. MEDICINE</b>								
22.	Dr. Pronob Pegu	2025-VMK-14	Prevalence of Gastro-Intestinal Parasitism in Pigs and Its Therapeutic Management	Dr. Deepa Lahkar	NA	II	2	Approved, experiment to be carried out in BSL-2 Lab with proper disposal by autoclaving
23.	Dr. Rubul Dewan	2025-VMK-15	Diagnosis and Management of Distal Limb Lameness in Horses	Dr. Ditul Barman	NA	NA	NA	Approved
24.	Dr. Shasanka Sandilya	2025-VMK-16	Efficacy of Herbal Ethosomal Formulation for Control of Bovine Subclinical Mastitis	Dr. Mrinal Kr. Nath	NA	II	2	Microbial analysis (MIC) is to be carried out in BSL-2 Lab with proper disposal by autoclaving
25.	Dr. Harshit Singh	2025-VMK-54	Evaluation of Cardiac Function in Hypothyroid Dogs	Dr. Bendangla Changkija	NA	NA	NA	Approved
<b>VET. EXTENSION EDUCATION</b>								
26.	Dr. Mrigashree Barman	2025-VMK-03	Extension-led Participatory Development and Validation of <i>Prunus persica</i> based Anti-maggot Cream for Livestock in Assam	Dr. Biju Borah	NA	I	I	Approved
27.	Dr. Tribeni Buragohain	2025-VMK-35	Consumer Behaviour towards Milk Safety among Different Generations in Guwahati City, Assam	Dr. Monosri Johari	NA	NA	NA	Approved
<b>VET. MICROBIOLOGY</b>								
28.	Dr. Jahangir Alam	2025-VMK-22	Serological and Molecular Detection of Hepatitis E Virus (HEV) in Pig Population of Assam	Dr. Anjan Jyoti Nath	II	II	2	Approved
29.	Dr. Ujjal Das	2025-VMK-25	Isolation and Molecular Characterization of African Swine Fever Virus from Assam, India	Dr. Durlav Prasad Bora	III	III	3	Provisionally approved, subject to approval of RCGM
30.	Dr. Shamshad	2025-VMK-27	Molecular Characterization of Egg Drop Syndrome 76	Dr. Sutopa Das	II	II	2	Approved

  
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	Shayrin S Mazumder		Virus Circulating in Assam and Evaluation of Immunogenic Potential of Selected Isolate					
<b>VETY. PARASITOLOGY</b>								
31.	Dr. Anisur Rahman	2025-VMK-04	Prevalence of Haemoparasites of cattle in Lakhimpur and Dhemaji Districts of Assam	Dr. Gautam Bordoloi	NA	II	2	Approved, experiment to be carried out in BSL-2 Lab with proper disposal by autoclaving
32.	Dr. Dhanisha Sargam	2025-VMK-05	Tick Born Haemoparasites of Goat in Central Brahmaputra Valley Zone of Assam	Dr. Pallabi Devi	NA	II	2	Approved, experiment to be carried out in BSL-2 Lab with proper disposal by autoclaving
33.	Dr. Kankan Nath	2025-VMK-06	<i>In vivo</i> acaricidal efficacy of a polyherbal formulation in tick infested goats	Dr. Kanta Bhattacharjee	NA	I	I	Approved
34.	Dr. Nallagatla Sarvari	2025-VMK-41	Studies on Prevalence and Molecular Characterization of <i>Culicoides</i> spp. in Assam	Dr. Kuntola Roy	II	I	I	Approved
35.	Dr. Nisha Deka	2025-VMK-43	Prevalence of helminths in mithun ( <i>Bos frontalis</i> ) and molecular characterization of gastrointestinal nematodes	Dr. Pallabi Pathak	NA	II	2	Approved, experiment to be carried out in BSL-2 Lab with proper disposal by autoclaving
36.	Dr. Ankita Dutta	2025-VMK-59	Characterization of lice in domestic fowl ( <i>Gallus gallus domesticus</i> ) and <i>in vitro</i> evaluation of Garlic ( <i>Allium sativum</i> ) extract against them	Dr. Kanta Bhattacharjee	NA	I	I	Approved
<b>VETY. PATHOLOGY (VPL)</b>								
37.	Dr. Rozina Parveen	2025-VMK-07	Etiopathological Studies on Female Reproductive System of Chicken with Special Reference to EDS-76	Dr. Monjula Regon	III	II	2	To be carried out in BSL-2 Lab with proper disposal by autoclaving
38.	Dr. Priyanki	2025-VMK-26	African Swine Fever: Pathomorphology and	Dr. Nayanjyoti	III	III		Provisionally

  
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	Moyuri Priyam Borah		Molecular Detection	Pathak				approved, subject to approval of RCGM
39.	Dr. Dorin Sarma	2025-VMK-36	Pathomorphological Evaluation and Comparative Proteomic Profiling of Canine Cutaneous Tumor	Dr. Shameem Ara Begum	-	NA	NA	Approved
40.	Dr. Kangkana Sharma	2025-VMK-37	Comparative Evaluation of Pathological and Molecular Diagnostics for Detection of Rabies Virus	Dr. Biswajit Dutta	III	III	3	Provisionally approved, subject to approval of RCGM
41.	Dr. Saurav Mahesh Gulhane	2025-VMK-52	Pathology and Molecular Studies of Circulating Porcine Rotavirus and Hepatitis E Virus in the Pig Population of Assam	Dr. Biswajit Dutta	III	II	2	Approved, experiment to be carried out in BSL-2 Lab with proper disposal by autoclaving


#### VETY. PHARMACOLOGY

42.	Dr. Sasanka Kumar Sarmah	2025-VMK-08	Development of Polyherbal Drug Formulation Against Carbon tetrachloride Induced Hepatotoxicity in Rats	Dr. Pritam Mohan	NA	NA	NA	Approved
43.	Dr. Nilamadhab Saikia	2025-VMK-23	Anthelmintic Activity of Linalool, The Phyto-Constituent of <i>Zanthoxylum armatum</i> Seed Against <i>Haemonchus contortus</i> in Goats	Dr. Himangshu Baruah	NA	II	2	Approved, in-vitro experiment to be carried out in BSL-2 Lab with proper disposal by autoclaving
44.	Dr. Dhiman Kalita	2025-VMK-40	Anthelmintic Efficacy of Active Compound "Linalool" of <i>Zanthoxylum armatum</i> seed Against <i>Fasciola</i> in Goat	Dr. Sanjib Khagharia	NA	II	2	Approved, in-vitro experiment to be carried out in BSL-2 Lab with proper disposal by autoclaving
45.	Dr. Sanap Rushikesh Ramesh	2025-VMK-56	Wound Healing Activity of Hydro-Ethanollic Extract of <i>Nyctanthes arbor-tristis</i> Leaves, in Rats	Dr. Archana Hazarika	NA	NA	NA	Approved

#### VETY. PHYSIOLOGY

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46.	Dr. Vikash Gora	2025-VMK-58	Physiological Attributes and Milk Quality of Lactating Cattle under Agroclimatic Condition of Assam	Dr. Champak Barman	NA	NA	NA	Approved
<b>VETY. PUBLIC HEALTH &amp; EPID</b>								
47.	Dr. Iarisa Umdor	2025-VMK-44	Epidemiological Socio-Cultural, Economic and Nutritional Burden of African Swine Fever in the State of Meghalaya	Dr. Koushik Kakoty	NA	NA	NA	Approved
<b>VETY. SURGERY AND RADIOLOGY</b>								
48.	Dr. Abhinandan Roy	2025-VMK-09	Pati Duck Eggshell Powder in Healing of Critical-Size Bone Defect of Rabbit Model With or Without Autologous Bone Marrow Aspirate	Dr. Parsha Jyoti Nath	NA	NA	NA	Approved
49.	Dr. Prahar Jyoti Sarmah	2025-VMK-10	Indigenous rice husk derived nano-cellulose dressing in wound management in in-vivo model	Dr. Manav Sharma	NA	NA	NA	Approved
50.	Dr. Sampreet Saikia	2025-VMK-11	Medetomidine, Tiletamine, Zolazepam and Azaperone anaesthesia in Khuti Baffalos ( <i>Bubalus bubalis bubalis</i> )	Dr. Mridu Pavan Baishya	NA	NA	NA	Approved
51.	Dr. Garima Singh	2025-VMK-47	Long Bone Diaphyseal Fracture Management in Dogs Using Titanium Elastic Nail With or Without Autologous Platelet-Rich Plasma	Dr. Bitupona Deuri	NA	NA	NA	Approved
52.	Dr. Aayush Kumar Nagar	2025-VMK-48	Standardization of Echocardiographic Reference Values and Identification of Optimal Acoustic Windows in Cross-Bred Pigs	Dr. Chandan Kumar Singh	NA	NA	NA	Approved
<b>Ph.D</b>								
Sl. No.	Name of the student(s)	Roll No.	Title of the research Problem	Name of the Guide	Proposed Category of Experiment	Verified Category of Experiment	BSL level required	Remarks
<b>VETY. EXTENSION EDUCATION</b>								
1.	Dr. Akash Jyoti Moral	2024-VDK-01	Livelihood Vulnerability Assessment of Livestock and Poultry Farmers in Flood Prone Areas of Assam	Dr. Leema Bora	NA	NA	NA	Approved
2.	Dr. Khriengunuo Mepfhuo	2024-VDK-02	An Exploration of Key Dimensions and Challenges for Sustainable Yak Rearing in the Eastern Himalayas of India	Dr. Leema Bora	NA	NA	NA	Approved
<b>VETERINARY ANATOMY &amp; HISTOLOGY</b>								
3.	Dr. Dwipjyoti Mahanta	2024-VDK-04	Formulation of IgG enriched Colostrum Replacer and Impact on Passive Immunity & Gut Histomorphology	Dr. Kamal B. Dev Choudhury	NA	NA	NA	Approved

  
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			in Piglets					
<b>ANIMAL NUTRITION</b>								
4.	Dr. Asish Saikia	2024-VDK-03	Evaluation of Papaya (Carica papaya Linn.) Leaf Extract as a feed Additive for Pigs	Dr. Gunaram Saikia	NA	II	2	Approved, microbial analysis to be carried out in BSL-2 Lab with proper disposal by autoclaving

  
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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.	Directorate of Research (Vety.)	Project IndiSwamp: Reference Genome Assembly, Adaptive Immuno-Competence, and Development of Field-Ready Parentage Markers for Indian Swamp Buffalo	Dr. Lukumoni Buragohain	Submitted to DBT, Govt. of India	II	II	2	Approved
2.	Directorate of Research (Vety.)	Nucleic-acid Based Diagnostic Platforms for Genomic surveillance of Key Bovine Zoonotic Pathogens: Brucella, Leptospira, and Mycobacterium	Dr. Lukumoni Buragohain	Submitted to ICMR, Govt. of India	II	II	2	Approved
3.	Directorate of Research (Vety.)	Generation and immunogenic evaluation of protein cocktail vaccine candidates against African swine fever virus	Dr. Lukumoni Buragohain	Submitted to DBT, Govt of India	II	II	2	Approved
4.	Animal Biotechnology	Capacity Building and Skill Development in Animal Cell Culture and Stem Cell Technologies to Strengthen Biomedical Research in the North-East India	Dr. Biswajyoti Borah	DHR, Govt. of India	II	II	2	Approved
5.	Vety. Microbiology	Developing phage-based interventions for controlling Salmonella and Campylobacter in poultry and pigs, with implications for public health	Dr. Arfan Ali	DBT, Govt. of India	II	II	2	Approved

  
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