

ONGOING EXTERNALLY FUNDED RESEARCH PROJECTS UNDER THE DIRECTORATE OF RESEARCH (VETERINARY), AAU, KHANAPARA

Sl. No.	Name of the Project	Principal Investigator	Name of the Department	Name of the Funding Agency	Date of Implementation	Duration of the Project	Total Grant Sanctioned	Projected date of Completion
1	Promoting advance research and capacity building in biotechnology & allied disciplines through manpower training, mentoring and sharing of infrastructure developed under the Advanced-Level State Biotech Hub	Dr. Dipak Deka, Associate Professor & Head i/c	Animal Biotechnology, CVSc, AAU, Khanapara	DBT-New Delhi	23.03.2022	3 Years	4,31,79,680.00	23.03.2025
2	'Epidemiological Survey on Haemoprolozoon Parasites and Mycoplasma suis in Pigs of Lakhimpur and Dhemaji district of Assam'	Dr. Gautam Bardoloi, Associate Professor	Veterinary Parasitology, LCVSc, AAU, North Lakhimpur	NLM, Govt. of India	27.02.2023	3 Years	38,80,000.00	27.02.2026
3	"Implementation of IVF technology under RGM at CVSc, AAU, Khanapara, Guwahati and Establishment of professional training institute at LCVSc, AAU, North Lakhimpur"	Dr. Manjyoti Bhuyan, Associate Professor, Dept. of Animal Reproduction, Gynaecology & Obstetrics, CVSC, AAU, Khanapara	Directorate of Research (Veterinary), AAU, Khanapara	Rashtriya Gokul Mission, Govt. of India	30.03.2023	3 Years	28,93,00,000.00	30.03.2026
4	Setting up of animal feed production unit	Director of Research (Veterinary), AAU, Khanapara	Directorate of Research (Veterinary), AAU, Khanapara	NEC, Ministry of DONER, GoI	01.04.2023	3 Years	1,85,00,000.00	31.03.2026
5	Exploration of biological fluid protome in lakhimi cows for identification of estrus biomarkers	Dr. Lakshya Jyoti Dutta, Associate Professor, Dept. of Animal Reproduction, Gynaecology & Obstetrics, CVSC, AAU, Khanapara	Animal Reproduction, Gynaecology & Obstetrics, CVSC, AAU, Khanapara	DBT, New Delhi	21.09.2023	3 Years	29,70,280.00	21.09.2026

6	Generation and Evaluation of a live vectored vaccine against porcine Circovirus infection of swine.	Dr. N.N. Barman, Professor & Head, Dept. of Veterinary Microbiology, CVSc, AAU, Khanapara	Veterinary Microbiology, CVSc, AAU, Khanapara	DBT, New Delhi	18.01.2021	3 Years 6 Months	27,55,448.00	17.07.2024
7	Validation and field testing of DIVA tests developed in ADMaC Phase-1 project for surveillance of Brucellosis in North Eastern region of India.	Dr. Durlav Prasad Bora, Asst. Professor	Veterinary Microbiology, CVSc, AAU, Khanapara	DBT, New Delhi	31.03.2021	4 Years	27,19,840.00	31.03.2025
8	Validation, regulatory compliance and translation of Vaccine and Molecular Diagnostics for Duck Plague	Dr. Durlav Prasad Bora, Asst. Professor	Veterinary Microbiology, CVSc, AAU, Khanapara	DBT, New Delhi	31.03.2021	4 Years	67,82,560.00	31.03.2025
9	Upgradation and Implementation of knowledge based system (KBS) in NER of India (An extended activity of Advance Animal Disease Diagnosis and Management Consortium (ADMaC))	Dr. N.N. Barman. Professor	Veterinary Microbiology, CVSc, AAU, Khanapara	DBT, New Delhi	31.03.2021	4 Years	37,20,640.00	31.03.2025
10	SWINOSTICS : A platform for development and validation of diagnostics of important pig pathogens in NE Region of India for commercial exploration.	Dr. Pankaj Deka, Asst. Professor	Veterinary Microbiology, CVSc, AAU, Khanapara	DBT, New Delhi	31.03.2021	4 Years	60,04,350.00	31.03.2025
11	Establishment of a Consortium for one health to Zoonotic and Transboundary Diseases in India, including the Northeast Region	Dr. N.N. Barman. Professor	Veterinary Microbiology, CVSc, AAU, Khanapara	DBT, New Delhi	06.08.2021	3 Years	27,80,956.00	06.08.2024

12	SAMRIDDHI POULTRY “An Innovative Approach for Economic Empowerment of Rural Women of Assam through Model Egg Village	Dr. Mihir Sarma, Scientist, Directorate of Research (Veterinary), AAU, Khanapara	Directorate of Research (Veterinary), AAU, Khanapara	SITA, Govt. of Assam	26.02.2021	4 Years	1,50,00,000.00	26.02.2025
13	Preparation of Oral photochemical formulation against respiratory and gut disease of poultry	Dr. Sanjib Khargharia, Asst. Professor, Dept. of Pharmacology & Toxicology, LCVSc, AAU, Khanapara	Pharmacology & Toxicology, LCVSc, AAU, Khanapara	ASTEC, Govt. of Assam	27.05.2022	2 Years	2,00,000.00	27.05.2024
14	Technology generation for value added geese meat products and awareness for entrepreneurship development in geese farming in Assam : an approach towards upgrading underestimated noble sector of poultry	Dr. Arundhati Phookan, Associate Professor, Department of Animal Genetics & Breeding, CVSc., AAU, Khanapara	Department of Animal Genetics & Breeding, CVSc., AAU, Khanapara	ASTEC, Govt. of Assam	12.05.2022	2 Years	2,90,000.00	12.05.2024
15	Application of Molecular, Microscopic and Untrastructural Techniques on study of body hair for Species Identification of Wild Animals of Assam	Dr. Munmun Sarma, Professor, Department of Anatomy & Histology, CVSc., AAU, Khanapara	Department of Anatomy & Histology, CVSc., AAU, Khanapara	ASTEC, Govt. of Assam	12.05.2022	2 Years	3,00,000.00	12.05.2024
16	Exploration of the pharmacological potential of <i>Myrica. esculenta</i> in the management of inflammation and myocardial infarction	Dr. Luit Moni Barkalita, Assistant Professor, Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	ALSBT Hub, Khanapara	31.10.2022	2 Years	1,40,000.00	31.10.2024
17	Therapeutic application of Canine Mesenchymal Stem Cells in clinical cases of spinal cord injury	Dr. Chandan Kumar Singh, Assistant Professor, College of Veterinary Science,	Dept. of Surgery & Radiology, CVSc, AAU, Khanapara	ALSBT Hub, Khanapara	31.10.2022	2 Years	4,50,000.00	31.10.2024

		Khanapara, Assam Agricultural University, Pin-781022						
18	Therapeutic application of Canine Mesenchymal Stem Cells in clinical cases of spinal cord injury	Dr. Biswajyoti Borah, Assistant Professor, Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	ALSBT Hub, Khanapara	31.10.2022	2 Years	1,50,000.00	31.10.2024
19	Evaluation of the dichlorophenol indophenol (DCIP) method and development of suitable DCIP-based testing algorithms for screening haemoglobin E carriers from Assam	Dr. Luit Moni Barkalita, Assistant Professor, Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	ALSBT Hub, Khanapara	31.10.2022	2 Years	1,40,000.00	31.10.2024
20	Development of an Autologous Endophytic Bacterial Consortium to Enhance Seed Germination and Growth Promotion of 'Kopou phul' (<i>Rynchosyilis retusa</i>), the State Flower of Assam.	Dr. Luit Moni Barkalita, Assistant Professor, Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	ALSBT Hub, Khanapara	31.10.2022	2 Years	1,40,000.00	31.10.2024
21	Development of earthworms-microbe formulations for management of refinery sludge	Dr. Luit Moni Barkalita, Assistant Professor, Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	ALSBT Hub, Khanapara	31.10.2022	2 Years	1,50,000.00	31.10.2024
22	Fortification and utilization of aquatic plants through suitable conservation methodology to encourage resource use efficiency	Dr. Papori Talukdar Assistant Professor Dept. of Animal Nutrition, College of Veterinary Science,	Dept. of Animal Nutrition, CVSc, AAU, Khanapara	ALSBT Hub, Khanapara	31.10.2022	2 Years	2,50,000.00	31.10.2024

		AAU, Khanapara, Guwahati-781022						
23	16S rRNA-based metagenomic analysis of the skin and gut microbiome of healthy and diseased catfish, <i>Clarias batrachus</i> (Linn.)	Dr. Rupam Dutta, Assistant Professor, Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	ALSBT Hub, Khanapara	31.10.2022	2 Years	1,51,250.00	31.10.2024
24	Integrated approaches for women empowerment adopting scientific organized goat farming for livelihood enhancement and establishment of model goat farm	Dr. Dipak Bhuyan, Chief Scientist, Goat Research Station, AAU, Bunihat	Goat Research Station, AAU, Bunihat in collaboration with Anajori Development Society, Nalbari	SITA, Govt of Assam	01.04.2022	3 Years	36,03,872.00	31.03.2025
25	“Development of a Nano Zinc fortified herbal mix for increased productivity in Goat”	Dr. Jumi Dutta, Asst. Professor, Department of Biochemistry, CVSc, AAU, Khanapara	Department of Biochemistry, CVSc, AAU, Khanapara	ASTEC, Govt of Assam	17.09.2022	3 Years	4,70,000.00	17.09.2025
26	“Development and Evaluation of multiple antigenic peptide-based diagnostic assay for detection of <i>Babesia gibsoni</i> in dog targeting GPI-anchored protein”	Dr. Rupam Dutta, Assistant Professor, Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	Dept. of Animal Biotechnology, CVSc, AAU, Khanapara	ASTEC, Govt. of Assam	17.09.2022	3 Years	4,60,000.00	17.09.2025
27	National Surveillance Programme for Aquatic Animal Diseases	Mr Hemanta Pokhrel, Asst. Prof, College of Fisheries	Deptt of Aquatic Animal Health Management, College of Fisheries	National Bureau of Fish Genetic Resources (NBFGR)	01.04.2013			
31	Transboundary Microplastic Contamination in Fish and Aquatic Food Chain along Brahmaputra River	Dr. Rajdeep Dutta, Asst. Professor	Aquatic Environment Management, CFSc, AAU, Raha	International with BAU	May, 2023	3 Years	10,92,000.00	May 2026