

Proceedings of the 8th Research Council meeting held on 18.05.2026 and 19.05.2026 at 10:00 AM onwards in hybrid mode at BVC, Hall-II, BVC, Patna.

Proceedings of 8th Research council meeting was held under the chairmanship of Dr. Inderjeet Singh, Hon'ble Vice-Chancellor, of Bihar Animal Sciences University, Patna.

The following members were present in the meeting in physical as well as in hybrid mode:

1.	Dr. Inderjeet Singh Hon'ble Vice Chancellor, BASU, Patna	Chairman
2.	Dr. N. K. Singh Director Research, BASU, Patna,	Member Secretary
3.	Shri Tushar Singla Director Fisheries, Govt. Of Bihar (Attended by Representative)	Member (Present online)
4.	Dr. Pankaj Kumar Singh DRI-cum-Dean PGS, BASU, Patna	Member
5.	Dr. N.S. Dahiya Director Extension Education, BASU, Patna,	Member
6.	Dr. Pallav Shekhar Dean, Bihar Veterinary College.	Member
7.	Dr. V.P. Saini Dean, College of Fisheries, Kishanganj	Member (Present online)
8.	Dr. Chandrahas Prajapati Dean, COVAS, Kishanganj	Member (Present online)
9.	Managing Director, COMFED (Attended by Representative)	Member
10.	Dr. Y. S. Malik Joint Director, ICAR-IVRI, Mukteshwar	Member (Eminent Scientist) (Present online)
11.	Dr. Ashok K. Balhara Principal Scientist(APR), ICAR-CIRB, Hissar	Member (Eminent Scientist)
12.	Kumar Astitva, Priyamvada Farms, Reotith Darbar, Gopalganj, Bihar	Co-opted Member (Present online)
13.	Dr. Jitendra Verma President, WVPA, India	Co-opted Member
14.	Shri Pawan Kumar Managing Director, Hitech Nutrisol Pvt.Ltd., Hajipur	Co-opted Member
15.	Mr.Hari Mohan Singh Fisheries Sector, Madhubani, Bihar	Co-opted Member
16.	All HoDs / University Professors of BVC, Patna	Members
17.	All HoDs / University Professors of SGIDT, Patna	Members
18.	All HoDs / University Professors of CoVAS and CoF, Kishanganj	Members(Present online)
19.	PIs and Co-PIs of the project	Invited

All members of research council attended the meeting in physical mode except Shri Tushar Singla, Director, Fisheries, Govt. of Bihar; Dr.Y.S.Malik, Joint Director, ICAR-IVRI, Mukteshwar; Co-opted member, Kumar Astitva, Priyamvada Farms, Gopalganj, Bihar; Dean, College of Veterinary and Animal Sciences; Dean, College of Fisheries; HoDs of different departments of CoF and COVAS, Kishanganj Campus. At the outset, Dr. N. K. Singh, Director Research-cum-Member Secretary of the Research Council, welcomed Hon'ble Vice-Chancellor and all the

dignitaries present in the Council meeting, which was followed by the presidential address delivered by Dr. Inderjeet Singh, Hon'ble Vice-Chancellor, BASU, Patna. The Hon'ble Vice-Chancellor greeted all the members of the Research Council, following which the members presented their opening remarks.

The Hon'ble Vice-Chancellor emphasized for the need-based and outcome-oriented research addressing the key issues faced by livestock farmers. Referring to Bihar as a densely populated state with a large proportion of landless and marginal farmers, he stressed that such families can be economically uplifted through livestock farming, be it dairy, goat and sheep rearing, piggery, poultry, fishery, or value addition of dairy and meat products, thereby improving their livelihoods and enhancing the income of their families. He also highlighted the need for interdisciplinary and collaborative research, adoption of emerging technologies such as Artificial Intelligence and machine learning, and effective translation of research outcomes for the socio-economic upliftment of farmers. The research-related activities for the period 2024–26 were compiled and released in the form of "Research Highlights 2024–26" in the presence of all members of the Research Council.

The Member Secretary-Cum-Director Research presented the highlights of the research achievements made since the last meeting of the Research Council. Thereafter, different agenda items were presented by the Member Secretary-Cum-Director Research for discussion, as listed below:

Agenda No.	Agenda Details	Action	Recommendations
Agenda 1a.	Presentation of Action taken report (ATR) on the proceedings of the 7 th Research Council Meeting held on 10.07.2023 and 27.07.2023	Action taken report on the proceedings of the 7 th Research Council Meeting was presented by the Member Secretary-Cum-Director Research.	Noted and approved
Agenda 1b.	Research Highlights of Ongoing and Completed Research Projects (both externally funded and Institutional funded Projects) during the period 2023-2024 and 2024-2026.	A detailed presentation on the salient achievements of the completed projects and the progress of the ongoing projects was made by the Member Secretary-cum-Director Research	Noted and approved
Externally Funded Projects			
	Logical and need-based research efforts were actively encouraged across the faculties of the constituent colleges. These sustained initiatives led to the development of new research programmes and the securing of nine additional research projects from various funding agencies since the 7 th Research Council meeting. Furthermore, one project proposal was prepared and submitted to the Department of Dairy, Fisheries and Animal Resources, Government of Bihar. In addition, a collaborative research proposal titled "Characterization of Stem Cells and Platelet-Rich Plasma (PRP) in Sciatic Nerve Injury", developed jointly with Aryabhatta Knowledge University, Patna, has been approved for further execution and implementation.		The house expressed satisfaction over the efforts made towards the pursuit of new research projects.

Sl.	Projects details	Recommendations
I.	Title: Establishment of One Health Project Funding Agency: 4 th KRM, Dairy, Fisheries and Animal Resources Department, Govt. of Bihar. Leading PI: Dr. P. Kaushik, Professor, VPHE, BVC	Noted*
II.	Title: Study of Lutein Supplementation in Poultry and Its Residual profile in Eggs. Funding Agency: CSIR-CIMAP, Lucknow. PI: Dr. G. K. Chaudhary, Associate Professor, VPT, BVC	Noted*
III.	Title: Network Project on Sheep Improvement (NWPSI; Shahabadi sheep unit) Funding Agency: ICAR-CSWRI, Avikanagar PI: Dr. Pramod Kumar, Assistant Professor, LFC, BVC	Noted*
IV.	Title: Molecular Epidemiology of Cryptosporidium Species in Livestock and Animal Handlers of Bihar. Funding Agency: CSIR, HRDG, New Delhi PI : Dr. Sonam Bhatt, Assistant Professor, VMD, BVC	Noted*
V.	Title: Documentation and testing of ITKs used in Animal Husbandry Sector by Tribals and Non-Tribals community in Bihar. Funding Agency: Bihar State Biodiversity Board, Govt. of Bihar PI : : Dr. S. K. Rajak, Associate Professor, VAHEE, BVC	Noted*
VI.	Title: A comparative study on Purnea Cattle Co-habitat Cattles in Kosi and Mahananda Agro ecological region of Bihar Funding Agency: Bihar State Biodiversity Board, Govt. of Bihar PI : : Dr. Pushendra Kumar, Assistant Professor, VAHEE, BVC	Noted*
VII.	Title: DR Unit of Sahiwal Cattle breed under All India Coordinated Research Project on Cattle (AICRP on Sahiwal, BASU, Patna) Funding Agency: ICAR-CIRC, Meerut. PI : Dr. Sri Prasad Sahu, Professor, LPM, BVC	Noted*
VIII.	Title: All India Network Project on Antimicrobial Resistance (AINP-AMR) in Fisheries and Livestock centre code: BASU (AS-13) Funding Agency: ICAR-National Bureau of Fish Genetic Resources (NBFGR) PI : Dr. P. Kaushik, Professor, VPHE, BVC	Noted*
IX.	Title: Poultry Research and Training Centre, BASU, Patna Funding Agency: 4 th KRM, Dairy, Fisheries and Animal Resources Department, Govt. of Bihar. PI : Dr. Kaushalendra Kumar, Associate Professor, ANN, BVC	Noted*
X.	Title : National Centre for Veterinary Type Cultures (NCVTC) Funding Agency: ICAR-NRCE, Hisar PI : : Dr. Pankaj Kumar, Professor, VMC, BVC	Noted*
XI.	Title : Network project on Animal Genetic Resources Funding Agency: ICAR-NBAGR, Karnal, Haryana PI : Dr. J. P. Gupta, Associate Professor, AGB, BVC	Noted*

*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects

XII.	<p>Title : Rapid Techniques For Differentiation Of Slaughtered Versus Dead On Arrival Food Animal Meat</p> <p>Funding Agency: Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India.</p> <p>PI : : Dr. Rohit Kumar Jaiswal, Assistant Professor, LPT, BVC</p>	Noted*
XIII.	<p>Title: The combined effect of Quercetin and Platelet Rich Plasma in semen extender for improved antibacterial efficacy and membranes repairing potential of cryopreserved buck semen.</p> <p>Funding Agency: Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India.</p> <p>PI: Dr. Alok Kumar, Assistant Professor, VGO, BVC</p>	Noted*
XIV.	<p>Title: Bio-fabricated Gold Nano-particle based Improved Semen Extender to Augment the post-thaw quality of Goat semen.</p> <p>Funding Agency: National Livestock Mission (NLM), Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying. Govt. of India.</p> <p>PI: Dr. Alok Kumar, Assistant Professor, VGO, BVC</p>	Noted*
XV.	<p>Title: ICAR Project- All India Network Programme on "Livestock and Poultry Products Safety</p> <p>Funding Agency: I.C.A.R., New Delhi</p> <p>PI: Dr. Nirbhay Kumar, Professor, VPT, BVC</p>	Noted*
XVI.	<p>Title: National Animal Disease Epidemiological Network (NADEN),</p> <p>Funding Agency: ICAR- NIVEDI, Bengaluru</p> <p>PI : Dr. Pankaj Kumar, Professor, VMC, BVC.</p>	Noted*
XVII.	<p>Title: FMD Centre, BASU, Patna</p> <p>Funding Agency: I.C.A.R., New Delhi</p> <p>PI :Dr. Manoj Kumar, Professor, VMC, BVC</p>	Noted*
XVIII.	<p>Title: Establishment of Embryo Transfer Technology Centre</p> <p>Funding Agency: D.A.H. D., Govt. of India</p> <p>PI :Dr. Dushyant Yadav, Assistant Professor, LFC</p>	Noted*
XIX.	<p>Title: AICRP on Poultry Breeding</p> <p>Funding Agency: ICAR-D.P.R., Hyderabad</p> <p>PI:Dr. J.P. Gupta, Associate Professor, AGB, BVC</p>	Noted*
Ongoing Institutional Research Projects		
Clinics Related Research Projects		
1.	<p>Title: Development of device for diagnosis and prevention to access metallic foreign body and Surgical management of Traumatic Pericarditis in Bovine.</p> <p>Duration: 04.10.2023 to 03.10.2026</p> <p>PI: Dr. Ramesh Tiwary, Associate Professor, VSR, BVC</p>	Noted*
<p><i>*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects</i></p>		

Service Projects		
2.	<p>Title: Preparation of permanent histological slide of all major organs of domestic animals and bird: Indispensable resource in Anatomy education" (Service project).</p> <p>Duration: 04.09.2023 to 03.09.2025 (extended till 15th March, 2026)</p> <p>PI: Dr. A. K. Gautam, Associate Professor, VAN, BVC</p>	Noted*
3.	<p>Title: Preservation of organs of domestic animals by plastination technique to improve teaching of anatomy and preparation of eco-friendly museum specimens</p> <p>Duration: 04.09.2023 to 03.09.2025 (extended till 15th March, 2026)</p> <p>PI: Dr. R. K. Choudhary, Associate Professor, VAN, BVC.</p>	Noted*
4.	<p>Title: Preparation of Osteological Museum of Domestic Animals including Birds.</p> <p>Duration: 04.09.2023 to 03.09.2025 (extended till 15th March, 2026)</p> <p>PI: Dr. Sanjay Kr. Bharti, Professor, Veterinary Anatomy, BVC</p>	Noted*
5.	<p>Title: Development of Parasitological Museum</p> <p>Duration: 01.09.2023 to 31.08.2026</p> <p>PI: Dr. Pankaj Kumar, Professor, VPA, BVC</p>	Noted*
6.	<p>Title: Development of Pathological Museum for gross-changes in organs in different disease condition</p> <p>Duration: 05.09.2023 to 04.09.2026</p> <p>PI: Dr. Imran Ali, Professor, Veterinary Pathology, BVC</p>	Noted*
Farm Related Research Projects		
7.	<p>Title: Effect of feeding non-conventional green fodder (<i>Dimeria ornithopoda</i>) and <i>Saccharum munj</i> on productive performance of Goat</p> <p>Duration: 01.09.2023 to 31.08.2025 (Extended till 15th March, 2026)</p> <p>PI: Dr. Dharmendra Kumar, Associate Professor, ANN, BVC</p>	Noted*
8.	<p>Title: Model for farming system integrating poultry, fish, worms, mushroom, seasonal vegetables and fruits.</p> <p>Duration: 05.12.2024 to 04.12.2026</p> <p>PI: Dr. Ravikant Nirala, Associate Professor, LPM, BVC</p>	Noted*
9.	<p>Title: Study on status of acaricide resistance in tick population of Bihar.</p> <p>Duration: 01.09.2023 to 31.08.2026</p> <p>PI: Dr. Shyma K.P., Associate Professor, VPA, BVC</p>	Noted*
10.	<p>Title: Comparative global gene expression profile of interaction of host against natural infection of theileria in crossbred and indigenous cattle</p> <p>Duration: 01.09.2023 to 31.08.2026</p> <p>PI: Dr. J. P. Gupta, Associate Professor, AGB, BVC</p>	Noted*
<p><i>*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects</i></p>		

11.	<p>Title: Prevalence of common MDR bacterial pathogens responsible for infertility (metritis, pyometra, repeat breeding & silent heat), abortion and mastitis in dairy animals of Kishanganj region</p> <p>Duration: 09.05.2024 to 08.05.2026</p> <p>PI: Dr. Shiv Varan Singh, Assistant Professor, VMC, CoVAS</p>	Noted*
12.	<p>Title: Status of gastro-intestinal parasitic burden in ruminants in North eastern region of Bihar.</p> <p>Duration: 09.05.2024 to 08.05.2026</p> <p>PI: Dr. Kaushlendra Singh, Assistant Professor, VPA, CoVAS</p>	Noted*
13.	<p>Title: Standardizing Goat Transportation for Improved Welfare in Seemanchal district of Bihar</p> <p>Duration: 09.05.2024 to 08.05.2026</p> <p>PI: Dr. Chandrahas, Dean, COVAS</p>	Noted*
14.	<p>Title: Prevailing Marketing Practices for poultry meat and its Quality Evaluation in Kishanganj district of Bihar</p> <p>Duration: 09.05.2024 to 08.05.2026.</p> <p>PI : Dr. Sadhna Ojha, Assistant Professor, LPT CoVAS</p> <p>Co-PI: Dr. Mukesh Gangwar, Assistant Professor, LPT, CoVAS</p>	Noted*
Diagnostics Related Research Projects		
15.	<p>Title: Evaluation of Trefoil Factor (TFF1 & TFF3) as a biomarker in canine mammary tumour and development of ELISA for its estimation in serum.</p> <p>Duration : 21.08.2023 to 20.08.2026</p> <p>PI : Dr. Himalaya Bhardwaj, Assistant Professor, VBC, BVC</p>	Noted*
16.	<p>Title : Development of Staining Protocol for Co-Localizing Zn and Ag in Nucleolar organizing regions as a tool for assessing aggressiveness of superficial tumours in animals.</p> <p>Duration : 02.09.2023 to 01.09.2026</p> <p>PI : Dr. Sanjiv Kumar, Professor, VPP, BVC</p>	Noted*
17.	<p>Title: Molecular detection and characterization of ticks and tick-borne haemoprotozoans in cattle and goats in north eastern region of Bihar</p> <p>Duration: 09.05.2024 to 08.05.2026</p> <p>PI : Dr. Binod Kumar, Associate Professor, VPA, CoVAS</p>	Noted*
Dairy Related Research Projects		
18.	<p>Title : Value Chain Analysis of Goat Farming Practices in Bihar</p> <p>Duration : 01.09.2023 to 31.08.2026</p> <p>PI : Dr. Y.S. Jadoun, Associate Professor, Dairy Extension Education, SGIDT</p>	Noted*
19.	<p>Title : Process optimization of low fat long life herbal vaccum packaged paneer/ soft cheese.</p> <p>Duration: 01.09.2023 to 31.08.2025 (extended till 15th March, 2026)</p> <p>PI: Mrs. Rashmi Kumari, , Assistant Professor, DE, SGIDT</p>	Noted*
<p><i>*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects</i></p>		

Fish Feed/ Nutraceuticals Related Projects		
20.	Title: Development of Herbal feed supplement to Achieve Enhanced Production of <i>Clarias magur</i> (Hamilton,1822) Duration: 20.09.2023 to 19.09.2026 PI: Dr. Sangeeta Kumari, Assistant Professor, Aquaculture, CoF	Noted*
Fish Health Related Research Projects		
21.	Title : Prevalence and Existence of Pathogenic strain of <i>E. coli</i> in fish from fish market of Seemanchal region. Duration : 20.09.2023 to 19.09.2026 PI : Dr. Abhishek Thakur, Assistant Professor, FRM , Harvest and Post-Harvest Technology, CoF	Noted*
Fish Environment & Toxicology Related Research Projects		
22.	Title : Toxicological effect of Iron on Indian Major carps and Its Removal through Column Filtration Unit. Duration : 20.09.2023 to 19.09.2026 PI : Mr. Ashutosh Kr. Singh, Assistant Professor, AEAHM, CoF	Noted*
Fish Economics Related Research Projects		
23.	Title : Study on Fish Marketing System: Evidence from Fish Markets of Seemanchal Region Bihar. Duration : 20.09.2023 to 19.09.2026 PI : Mr. Ravi Shankar Kumar Assistant Professor, Fisheries Economics, Extension and statistics, CoF	Noted*
Fish Genetics Related Research Projects		
24.	Title : Development of genetic lines for appearance traits via artificial selection in <i>Colisa fasciata</i> Duration : 20.09.2023 to 19.09.2028 PI : Ms. Aishwarya Sharma, Assistant Professor, Fish Genetics and Biotechnology, CoF	Noted*
25.	Title : Inventorization, cataloguing and development of live gene bank of native ornamental fishes of Seemanchal region of Bihar. Duration : 20.09.2023 to 19.09.2026 PI : Dr. Rupam Samanta, Assistant Professor, Fisheries Resources Management Harvest and Post Harvest Technology, COF	Noted*
Completed Projects		
Clinics Related Research Projects		
1	Title: Evaluation of autologous and heterologous platelet-rich fibrin application on cutaneous wound healing in dogs Duration: 01.02.2022 to 01.02.2024 PI: Dr. Gyan Dev Singh, Associate Professor, VCC, BVC	Noted*
2	Title: Impact of physiotherapy in rehabilitation of clinical cases of neuro-muscular disorders in animals. Duration: 02.09.2023 to 04.02.2024 (Extended to 5.08.2024) PI : Dr. Archana Kumari, Professor, VSR, BVC	Noted*
*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects		

3	<p>Title: Evaluation of bubaline and caprine acellular matrix in repair of abdominal wall defects in animals.</p> <p>Duration: 02.09.2023 to 01.09.2025 (Extended till 15.03.2026)</p> <p>PI : Dr. Rajesh Kumar, Associate Professor, VSR, BVC</p>	Noted*
4	<p>Title: Augmenting fertility and oocyte recovery rate in bovine by feeding Omega-3 rich fatty acid (flax seed) enriched diet.</p> <p>Duration: 02.09.2023 to 01.09.2025 (extended till 15.03.2026)</p> <p>PI : Dr. Dushyant Yadav, Assistant Professor, LFC, BVC</p>	Noted*
5	<p>Title : Strategies for improving the IVF embryo production and assessment of subsequent pregnancy development in bovine</p> <p>Duration: 20.12.2023 to 19.12.2025 (Extended till 15.03.2026)</p> <p>PI: Dr. Sumit Singhal, Professor, VGO, BVC</p>	Noted*
Farm Animal related Research Projects		
6	<p>Title: Molecular prevalence of Haemoprotzoal and rickettsial disease of bovine</p> <p>Duration: 04.02.2022 to 03.02.2024</p> <p>PI: Dr. Pankaj Kumar, Professor, VMC, BVC</p>	Noted*
7	<p>Title: Phenotypic and Genetic Characterization of Goats of West Champaran, Bihar</p> <p>Duration : 01.09.2023 to 31.08.2025 (Extended till 15.03.2026)</p> <p>PI: Dr. Ramesh Kumar Singh, Associate Professor, AGB, BVC</p>	Noted*
8	<p>Title: Detection of polymorphism in MHC class II genes and their association with theileriosis in cattle</p> <p>Duration : 01.09.2023 to 31.08.2025 (Extended till 15.03.2026)</p> <p>PI: Dr. Soni Kumari, Assistant Professor, AGB, BVC</p>	Noted*
9	<p>Title: Improvement of Conception in Repeat Breeder Cows Following Hormonal Treatment and Development of Accessory Corpus Luteum</p> <p>Duration: 02.09.2023 to 01.03.2025 (Extended till 15.03.2026)</p> <p>PI: Dr. S. K. Sheetal, Assistant Professor, VGO, BVC</p>	Noted*
10	<p>Title: Molecular detection and assessment of oxidative stress in bovine Theileriosis carrier cattle encompassing Patna District of Bihar</p> <p>Duration: 01.09.2023 to 31.08.2026 (Project duration was reduced in the review meeting held on 15.09.2025 and the project was permitted till 15th March, 2026)</p> <p>PI: Dr. Anil Kumar, Associate Professor, VMD, BVC</p>	Noted*
11	<p>Title: Pilot study on Anthelmintic Resistance in Gastro-intestinal Nematodes in Cattle</p> <p>Duration: 01.09.2023 to 31.08.2025 (Extended till 15.03.2026)</p> <p>PI: Dr. Raj Kishore Sharma, Associate Professor, VPA, BVC</p>	Noted*
Diagnosis Related Research Projects		
12	<p>Title: Colorimetric detection of <i>E. coli</i>, <i>Streptococcus</i> spp. and <i>Staphylococcus aureus</i> isolated from mastitis milk samples by optical biosensing using oligonucleotide- Gold Nanoparticles.</p> <p>Duration: 30.10.2019 to 27.08.2023</p> <p>PI: Dr. Ajeet Kumar, Associate Professor, VBC, BVC.</p>	Noted*
*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects		

13	<p>Title: Biofabrication of gold nanoparticles and its antiproliferative effect in cell line. Duration: 28.08.2018 to 27.08.2023 PI: Dr. Ajeet Kumar, Associate Professor, VBC, BVC</p>	Noted*
14	<p>Title: Evaluation of probiotic potential and antimicrobial efficacy of <i>Lactobacillus spp</i> isolates from gastrointestinal tract of animals and human Duration: 04.02.2022 to 04.02.2024 PI: Dr. Bhoomika, Assistant Professor, VPHE, BVC</p>	Noted*
15	<p>Title: Evaluation of Proliferative and apoptotic markers in Canine mammary tumour for diagnosis and prognosis. Duration : 14.11.2019 to 30.06.2024 PI: Dr. Kaushal Kumar, Professor, Veterinary Pathology, BVC</p>	Noted*
16	<p>Title: Isolation and characterization of bacteriophages targeting food borne pathogens from sewage samples of livestock farm. Duration: 29.05.2019 to 30.11.2023 PI: Dr. Anjay, Associate Professor, VPHE, BVC</p>	Noted*
17	<p>Title: Study on diagnosis of alopecia in dog with special reference to etiology, trichometry and histologic alteration undertaken as pilot study Duration: 12.09.2023 to 11.09.2024 PI: Dr. Bipin Kumar, Professor, VMD, BVC</p>	Noted*
18	<p>Title: Antibacterial and Wound Healing properties of Bioadhesives from biomass derived Carbon Dots Duration: 18.09.2023 to 17.09.2025 (Extended till 15.03.2026) PI: Dr. Manoj Kumar, Professor, VMC, BVC</p>	Noted*
Poultry Related Research Projects		
19	<p>Title: Preparation and evaluation of canine food prepared from using locally available feed resources and poultry by-products Duration : 21.10.2022 to 31.05.2025 PI: Dr. Pankaj Kumar Singh, Professor, Animal Nutrition, BVC</p>	Noted*
20	<p>Title: Dietary supplementation of phytase and xylanase on performance and egg quality of Vanraja layer bird feed on wheat bran-based diet. Duration: 01.09.2023 to 28.02.2025 PI: Dr. Kaushalendra Kumar, Associate Professor, ANN, BVC</p>	Noted*
21	<p>Title: Pilot study on standardisation of dietary supplementation of Litchi seed (<i>Litchi chinensis</i>) in Chicken feed Duration: 01.09.2023 to 31.08.2025 (Extended till 15.03.2026) PI: Dr. Pankaj Kumar Singh, Professor, ANN, BVC</p>	Noted*
22	<p>Title: Utilization of Poultry Waste for Organic Manure Production: Development of a Model Unit Duration: 01.09.2023 to 31.08.2025 (Extended till 15.03.2026) PI: Dr. Kaushalendra Kumar, Associate Professor, ANN, BVC</p>	Noted*
23	<p>Title: Assessment of Poultry Waste Management Practices at poultry farms and commercial hatcheries in Bihar Duration: 01.09.2023 to 31.08.2025 (Extended till 15.03.2026) PI: Dr. Puspendra Kr. Singh, Assistant Professor, VAHE, BVC</p>	Noted*
<p>*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects</p>		

24	<p>Title: Generation of Microbial resources and Prevalence study of pathogens of poultry origin in Bihar Duration: 05.09.2023 to 04.09.2025 (Extended till 15.03.2026) PI: Dr. S. K. Gupta, Professor, VMC, BVC</p>	Noted*
25	<p>Title: Pathological analysis of mortalities in higher body weight broiler chicken during transportation Duration: 17.05.2023 to 15.03.2026 PI: Dr Sanjiv Kumar, Professor, Veterinary Pathology, BVC</p>	Noted*
Dairy and other Livestock Related Research Projects		
26	<p>Title: Development and quality evaluation of flavoured Paneer Duration: 01.09.2023 to 05.08.2024 PI: Dr. Sushma Kumari, Professor, LPT, BVC</p>	Noted*
27	<p>Title: Spatial and Temporal Changes in Livestock Population in Bihar. Duration: 01.09.2023 to 31.08.2025 (Extended till 15.03.2026) PI: Dr. Bhola Nath, Assistant Professor, DBM, SGIDT</p>	Noted*
28	<p>Title: Technical and Economic Efficiency of Milk Producers in Different Agro-Climatic Zones of Bihar. Duration: 01.09.2023 to 31.08.2025 (Extended till 15.03.2026) PI: Dr. Awadhesh Kumar Jha, Professor, DBM, SGIDT</p>	Noted*
29	<p>Title: Structural Transformation during the National Dairy Plan Phase - I in Bihar Dairy Sector vis-à-vis Indian Dairy Sector. Duration : 01.09.2023 to 31.08.2025 (Extended till 15.03.2026) PI: Dr. Shiv Raj Singh, Associate Professor, DBM, SGIDT</p>	Noted*
30	<p>Title :Feeding Patterns and Economics of Milk Production in Different Agro-Climatic Zones of Bihar. Duration : 01.09.2023 to 31.08.2025 (Extended till 15.03.2026) PI: Dr. Rohit Kumar, Assistant Professor, DBM, SGIDT</p>	Noted*
31	<p>Title: Effect of Ohmic heating on rheological properties and sensory attributes of skimmed milk and whole milk. Duration:01.09.2023 to 31.08.2025 (Extended till 15.03.2026) PI: Mrs. Rashmi Kumari Assistant Professor, Dairy Engineering, SGIDT</p>	Noted*
32	<p>Title: Development of Educationally Interactive Exhibits (service project) Duration: 01.09.2023 to 31.08.2025 (Extended till 15.03.2026) PI: Ms. Sarvjeet Kaur, Assistant Professor, DEE, SGIDT</p>	Noted*
Poultry related research Projects		
33	<p>Title: Development and Evaluation of Improved Backyard Poultry Germplasm. Duration: 01.09.2023 to 15.03.2026 PI: Dr. Soni Kumari, Assistant Professor, AGB.</p>	Noted*
Fish Feed/ Nutraceuticals Related Projects		
34	<p>Title: Effect of Wolfia based diet on growth and colour enhancement of goldfish (<i>Carassius auratus</i>). Duration: 20.09.2023 to 19.09.2024 PI: Dr. Sagarika Swain, Assistant Professor, Fish Nutrition Biochemistry and Physiology, COF</p>	Noted*
<p><i>*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects</i></p>		

Fish Health Related Research Projects			
35	<p>Title: Evaluation of wounds healing ability of <i>Mikania micrantha</i> individually and in combination with <i>Curcuma longa</i> in <i>Clarias magur</i>.</p> <p>Duration: 20.09.2023 to 19.09.2024 (Extended till 15.03.2026)</p> <p>PI: Dr. Naresh Raj Keer, Assistant Professor, Aquaculture, CoF</p>	Noted*	
36	<p>Title : Study on the antiparasitic effect of green synthesized Silver nanoparticles against common ectoparasites of goldfish <i>Carassius auratus</i>.</p> <p>Duration : 20.09.2023 to 19.09.2025 (Extended to 15.03.2026)</p> <p>PI : Ms. Pushpa Kumari, Assistant Professor, AEAHM, CoF</p>	Noted*	
Fish Environment & Toxicology Related Research Projects			
37	<p>Title : Study on Occurrence and Risk Assessment of Microplastics in Mahananda River, India.</p> <p>Duration : 20.09.2023 to 19.09.2025 (Extended till 15.03.2026)</p> <p>PI : Mr. Tapas Paul, Assistant Professor, AEAHM, CoF</p>	Noted*	
Fish Genetic Related Research Projects			
38	<p>Title : Inventorization and documentation of aquatic resources and Resource Users of Kishanganj district of Bihar.</p> <p>Duration : 20.09.2023 to 31.03.2025</p> <p>PI : Dr V P Saini, Dean CoF, Kishanganj</p>	Noted*	
39	<p>Title : Genetic Diversity Analysis of Different Stocks of Labeo rohita (Rohu) of Simanchal and Mithila Region of Bihar</p> <p>Duration : 20.09.2023 to 19.09.2024 (Extended till 15.03.2026)</p> <p>PI : Dr Mamta Singh, Assistant Professor, CoF Kishanganj</p>	Noted*	
Agenda 3.	<p>In-principle approved research project proposals</p>	<p>Member Secretary-Cum-Director Research made a detailed presentation on the <i>In-principle</i> approved research project proposals</p>	Noted and approved*
S. No.	Title of Project/Duration /Budget		
1.	<p>Title: Standardizing Goat Transportation for Improved Welfare in Seemanchal district of Bihar. Duration: 09.05.2024 to 08.05.2026</p> <p>Budget: 5.0 lakhs. PI: Dr. Chandrahas, Dean, CoVAS</p>		
2.	<p>Title: Molecular detection and characterization of ticks and tick-borne haemoprotozoans in cattle and goats in north eastern region of Bihar. Duration: 09.05.2024 to 08.05.2026. Budget: 16.2 lakhs</p> <p>PI: Dr. Binod Kumar, Associate Professor, VPA, CoVAS</p>		
3.	<p>Title: Status of gastro-intestinal parasitic burden in ruminants in North eastern region of Bihar. Duration: 09.05.2024 to 08.05.2026</p> <p>Budget: 5.0 lakhs, PI : Dr. Kaushlendra Singh, Assistant Professor, VPA, COVAS</p>		
*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects			

4.	Title: Prevalence of common MDR bacterial pathogens responsible for infertility (metritis, pyometra, repeat breeding & silent heat), abortion and mastitis in dairy animals of Kishanganj region. Duration: 09.05.2024 to 08.05.2026. Budget: 5.0 lakhs. PI : Dr. Shiv Varan Singh, Assistant Professor, VMC, CoVAS		
5.	Title: Prevailing Marketing Practices for poultry meat and its Quality Evaluation in Kishanganj district of Bihar. Duration: 09.05.2024 to 08.05.2026, Budget: 6.4 lakhs. PI : Dr. Sadhana Ojha, Assistant Professor, LPT, CoVAS		
6.	Title: Model for farming system integrating poultry, fish, worms, mushroom, seasonal vegetables and fruits, Duration: 05.12.2024 to 04.12.2026, Budget: 16.0 lakhs. PI: Dr. Ravikant Nirala, Associate Professor, LPM, BVC		
Agenda 4.	Extension of Duration in the Institutional Research Projects	Member Secretary-Cum-Director Research made a detailed presentation on the Extension of Duration in the Institutional Research Projects	Noted and approved*
Sl. No.	Title of Project/ Principal Investigator/budget	Date of Start	Date of Completion
1.	Title: Preparation of permanent histological slide of all major organs of domestic animals and bird: Indispensable resource in Anatomy education" (Service project) PI: Dr. A. K. Gautam Associate Professor, Vet. Anatomy, BVC Budget: 2.45 lakhs	04.09.2023 to 03.09.2025 & Extended further till 15.03.2026 vide F.No. 03/DR Cell//BASU/2483 dt. 22.09.2025	Extended till 31 st Dec, 2026*
2.	Title: Preservation of organs of domestic animals by plastination technique to improve teaching of anatomy and preparation of eco-friendly museum specimens PI: Dr. R. K. Choudhary, Associate Professor, Vet. Anatomy, BVC Budget: 2.25 lakhs	04.09.2023 to 03.09.2025 & Extended further till 15.03.2026 vide F.No. 03/DR Cell//BASU/2483 dt. 22.09.2025	Extended till 31 st Dec, 2026*
3.	Title: Preparation of Osteological Museum of Domestic Animals including Birds PI: Dr. S. K Bharti, Professor, Vet. Anatomy, BVC Budget: 2.5 lakhs	04.09.2023 to 03.09.2025 & Extended further till 15.03.2026 vide F.No. 03/DR Cell//BASU/2483 dt. 22.09.2025	Extended till 31 st Dec, 2026*
4.	Title: Development of Parasitological Museum (Service Project) PI: Dr. Pankaj Kumar, Professor, Vet. Parasitology, BVC Budget: 4.25 lakhs	01.09.2023 to 31.08.2026	Extended till 31 st Dec, 2026*
*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects			

5.	<p>Title: Evaluation of Trefoil Factor (TFF1 & TFF3) as a biomarker in canine mammary tumour and development of ELISA for its estimation in serum</p> <p>PI: Dr. Himalaya Bhardwaj, Assistant Professor, Vet. Biochemistry</p> <p>Budget: 4.0 lakhs</p>	21.08.2023 to 20.08.2026	Extended till 31 st Dec, 2026*
6.	<p>Title: Effect of feeding non-conventional green fodder (<i>Dimeria ornithopoda</i>) and <i>Saccharum munj</i> on productive performance of Goat</p> <p>PI: Dr. Dharmendra Kumar, Associate Professor, ANN, BVC</p> <p>Budget: 5.9 lakhs</p>	01.09.2023 to 31.08.2026	Extended till 31 st Dec, 2026*
7.	<p>Title: Process optimization of low-fat long life herbal vacuum packaged paneer/ soft cheese.</p> <p>PI: Mrs. Rashmi Kumari Assistant Professor, DE, SGIDT</p> <p>Budget: 3.7 lakhs</p>	01.09.2023 to 31.08.2025 & Extended further till 15.03.2026 vide F.No. 03/DR Cell//BASU/2483 dt. 22.09.2025	Extended till 31 st August, 2026*
8.	<p>Title: Prevailing Marketing Practices for poultry meat and its Quality Evaluation in Kishanganj district of Bihar.</p> <p>PI: Dr. Sadhna Ojha, Assistant Professor, LPT, COVAS</p> <p>Budget: 6.4 lakhs</p>	09.05.2024 to 08.05.2026	Extended till 31 st Dec, 2026*
9.	<p>Title: Prevalence of common MDR bacterial pathogens responsible for infertility (metritis, pyometra, repeat breeding & silent heat, abortion and mastitis) in dairy animals of Kishanganj region.</p> <p>PI: Dr. Shiv Varan Singh Assistant Professor, Veterinary Microbiology, COVAS</p> <p>Budget: 5.0 lakhs</p>	09.05.2024 to 08.05.2026	Extended till 31 st Dec, 2026*
10.	<p>Title: Molecular detection and characterization of ticks and tick-borne haemoprotozoans in cattle & goats in North Eastern region of Bihar.</p> <p>PI: Dr. Binod Kumar, Associate Professor, Vet. Parasitology, COVAS</p> <p>Budget: 16.2 lakhs</p>	09.05.2024 to 08.05.2026	Extended till 31 st Dec, 2026*
11.	<p>Title: Status of gastro-intestinal parasitic burden in ruminants in North Eastern region of Bihar.</p> <p>PI: Dr. Kaushlendra Singh Assistant Professor, Veterinary Parasitology, COVAS</p> <p>Budget: 5.0 lakhs</p>	09.05.2024 to 08.05.2026	Extended till 31 st Dec, 2026*

*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects

12.	Title: Standardizing Goat Transportation for Improved Welfare in Seemanchal district of Bihar. PI: Dr. Chandrahas, Dean, COVAS Budget: 5.0 lakhs	09.05.2024 to 08.05.2026	Extended till 31 Dec, 2026*
*Recommendations of Pre-Research Council meeting is to be considered for further planning and execution of the respective projects			
Agenda 5.	Presentation of new institutional research proposals submitted during 2026-27.	New institutional research proposals submitted during 2026-27, was presented by respective PIs.	New institutional research proposals submitted during 2026-27, was presented by respective PIs and the recommendations of the house were noted and the details are listed below
Farm Animal Related Research Proposals			
Sl. No.	Title of Project/Budget/Duration/PI	Recommendations	
1.	Title: Development and evaluation of a herbal topical formulation containing <i>Vitex negundo</i> (Nirgundi) and <i>Azadirachta indica</i> (Neem) leaf extract for management of natural dermatitis in cattle. Budget: 2.0 lakhs. Duration: 01 yr. PI: Dr. Mritunjay Kumar, Associate Professor, Veterinary Medicine, BVC	Approved with recommendations: 1. Focus on interactive studies of herbs proposed. 2. Needs to specify the kind/type of dermatitis presented for treatment with proposed herbs.	
2.	Title: Effect of milk replacer and probiotics (curd) on growth and health performance of calves Budget: 3.0 lakhs. Duration: 2yr. PI : Dr. Ranjana Sinha, Assistant Professor, LFC, BVC.	Recommendations: 1. To submit the proposal as 'whey based milk replacer'. 2. Collaborate with Sudha Dairy as it would help in procurement of whey. 3. Salt could be added in order to tackle Ascariasis in calf population.	
3.	Title: Effect of feeding different levels of distillers dried grain with soluble (DDGS) on growth performance of goats. Budget: 6.7 lakhs. Duration: 1 yr. PI: Dr. Dharmendra Kumar, Associate Professor, Animal Nutrition, BVC	Approved with recommendations: 1. Replace Wheat bran with DORB. 2. Parameters to check immunoglobulins may be added.	
4.	Title: Assessment of effect on productive performance of large white Yorkshire pigs on partial and complete feeding of fresh food waste /kitchen waste in geographical conditions of Bihar Budget: 19.16 lakhs. Duration: 2 years. PI: Dr. Sanjay Kumar, Associate Professor, LPM, BVC.	Approved	
5.	Title: Scientific validation and implementation of ethno veterinary practices to improve livestock health in Bihar. Budget: 25.00 lakhs. Duration: 1.5 yr. PI : Dr. Ramesh Kumar Nirala, Associate Professor, Veterinary Pharmacology and Toxicology, BVC	Approved with recommendations: Proposal to be developed as Package of practice.	

6.	<p>Title: Performance Evaluation and Economic Viability of a Scientific (20+5) Unit Pig Farm.</p> <p>Budget: 55.50 lakhs. Duration: 2 yrs.</p> <p>PI : Dr. Manmohan Kumar, Assistant Professor, Livestock Farm Complex, BVC</p>	<p>Recommendations:</p> <p>Advised to team up with Dr. Sanjay's Project proposal as one of the Co-PI.</p>
7.	<p>Title : Effect of feeding hydroponic fodder on feed intake, growth performances and blood parameters of calves</p> <p>Budget: 1.99 lakhs. Duration: 1 yrs.</p> <p>PI: Dr. Tripti Kumari, Assistant Professor Livestock Production Management, COVAS.</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Remove the proposed Co-PIs. Instead, add one Co-PI from Animal Nutrition. 2. Make use of metabolic cages to study the effect of hydroponic fodder on animals.
8.	<p>Title: Placental morpho biometry via-a-vis kid's growth and behaviour in Black Bengal goats.</p> <p>Budget: 2.00lakhs. Duration: 2 yrs</p> <p>PI : Dr. T. K. S Rao, Associate Professor, Livestock Production Management, COVAS</p>	<p>Not approved</p>
9.	<p>Title: Effects of feeding Moringa leaves on growth and health performance of kids.</p> <p>Budget: 2.00 lakhs. Duration: 2 yrs.</p> <p>PI : Dr. Y. Rojita Devi, Assistant Professor, Animal Nutrition, COVAS</p>	<p>Not approved</p>
10.	<p>Title: Assessment of feeding practices and proximate composition of locally available feedstuffs for dairy animals in Kishanganj district of Bihar.</p> <p>Budget: 2.00lakhs. Duration: 2 yrs.</p> <p>PI: Dr. Anuj Singh, Assistant Professor, Animal Nutrition, COVAS</p>	<p>Not approved</p>
Poultry Related Research Proposals		
11.	<p>Title: Toxicological evaluation of microplastics in poultry with special reference to FCR, growth and production</p> <p>Budget: 3.30 lakhs. Duration: 06 months</p> <p>PI : Dr. G. K. Choudhary, Associate Professor, VTP, BVC</p>	<p>Not approved</p>
One Health Related Research Proposals		
12.	<p>Title: Studies on the occurrence of Aflatoxin B1 and M1 in animal origin foods and its association with human cancer risk.</p> <p>Budget: 7.5 lakhs. Duration: 2 yrs</p> <p>PI: Dr Seuli Saha Roy, Professor, VPHE, BVC</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Involve a scientist from NIPER as Co-PI. 2. Patients reporting positive for cancer, their relatives at respective house, urine samples shall be checked/tested for the presence of aflatoxins. Such patients will be treated as control. 3. Firstly, urine samples should be tested for Aflatoxin B1 and M1 and then traced back for the other associated information of cancer positive patients. 4. Sample size: minimum 50 positive sample

13.	<p>Title: Investigating the link between heavy metal exposure through animal products and cancer incidence in Bihar</p> <p>Budget: 8.5 lakhs. Duration: 1yr.</p> <p>PI: Dr. Sanjiv Kumar, Professor, Veterinary Pathology, BVC.</p>	<p>Recommendations:</p> <p>To be taken under broad category of "One health".</p>
14.	<p>Title: Study of bioaccumulation of arsenic in buffalo naturally exposed to geogenic groundwater contamination in the selected endemic area of the Indo-Gangetic plain of Bihar</p> <p>Budget: 2.0lakhs. Duration: 1.5 yrs.</p> <p>PI : Dr. Rashmi Rekha Kumari, Associate Professor, VPT, BVC.</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. The project should be taken under the category of one health 2. Advised to include 14 locations near Indo-Gangetic plains out of 30 locations considered under Dr. Ajit Ktmar, VPA, project proposal 3. Samples should include, Milk, soil, drinking water, feed and Hair. 4. Terminology like 'environmental' may be replaced with biotic and abiotic samples.
Diagnosis Related Research Proposals		
15.	<p>Title: Comparative Evaluation of blood component therapy and haemodialysis in haematological and renal disorders in dogs</p> <p>Budget: 43.33 lakhs. Duration: 3 yrs.</p> <p>PI: Dr. Mritunjay Kumar, Associate Professor, Veterinary Medicine, BVC</p>	Approved
16.	<p>Title: Epidemiological Survey of Parasitic Diseases in Livestock and Pets in Bihar.</p> <p>Budget: 99.00 lakhs</p> <p>Duration: 3 yrs.</p> <p>PI: Dr. Ajit Kumar, Professor, Veterinary Parasitology, BVC</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Include a faculty member from VPHE as an epidemiologist 2. Design the sample collection with the help of an epidemiologist. 3. Study on micro-biome of the parasites to be added to the technical programme and it is to be carried by Dr. Shyma K.P. 4. Project may be submitted to state Govt. for special funding.

17.	<p>Title: Isolation, identification and antimicrobial susceptibility pattern of bacterial pathogens associated with wound infections in animals presented at the Teaching Veterinary Clinical Complex (TVCC), COVAS, Kishanganj</p> <p>Budget: 2.0lakhs. Duration: 2 yrs.</p> <p>PI : Dr. Ajay Kumar Rai, VMC, CoVAS</p>	<p>Not approved</p>
Clinics Related Research Proposals		
18.	<p>Title: Integrated evaluation of lipid dysregulation, apolipoprotein alterations, and oxidative stress in hyperglycemic dogs for early metabolic disease insights</p> <p>Budget: 4.0lakhs. Duration: 1.5 yrs.</p> <p>PI : Dr. Amrita Behera, Assistant Professor, Veterinary Biochemistry, BVC.</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Monitor glucose changes alongwith apolipoprotein rhythm 2. Use Hb1Ac for grouping and further monitoring
19.	<p>Title: Assessment of anti-cancer potential of ferroptotic signalling pathway genes as therapeutic targets in breast cancer cell line.</p> <p>Budget: 4.75 lakhs. Duration: 1 yr.</p> <p>PI: Dr. Amrita Behera, Assistant Professor, Veterinary Biochemistry, BVC</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Add a clinician as Co-PI. 2. The project may be modified to meet out the justifiable outcome for reconsideration.
20.	<p>Title: Studies on culture and cryopreservation of canine amniotic mesenchymal stem cells (AM-MSCs) and their clinical application in canine hip dysplasia (CHD).</p> <p>Budget: 3.5lakhs. Duration: 2 yrs.</p> <p>PI: Dr. Ramesh Tiwary, Associate Professor, Veterinary Surgery and Radiology, BVC.</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Consult scientists at Division of Surgery at IVRI. 2. Modify the project accordingly before resubmission
21.	<p>Title: Evaluation of circular and modified external skeletal fixation systems for distal long bone fracture management in large ruminants.</p> <p>Budget: 3.5lakhs. Duration: 2 yrs.</p> <p>PI : Dr. Rajesh Kumar, Associate Professor, Veterinary Surgery and Radiology, BVC</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Special attention should be given to pressure sensor and double ring structure. 2. Propose an engineer as Co-PI.
22.	<p>Title: Evaluation of alternative and combined therapies for treatment of canine open pyometra</p> <p>Budget: 4.7 lakhs. Duration: 1.5 yrs.</p> <p>PI: Dr. Bhavna, Assistant Professor, Veterinary Clinical Complex, BVC</p>	<p>Approved</p>
23.	<p>Title: Preparation, evaluation and clinical application of canine amniotic membrane in corneal ulcer.</p> <p>Budget: 12.0 lakhs. Duration: 1.5 yrs.</p> <p>PI: Dr. Aakanksha, Assistant Professor, Veterinary Surgery and Radiology, BVC</p>	<p>Recommendations:</p> <ol style="list-style-type: none"> 1. The project may be resubmitted. 2. Amniotic membrane of both cattle and buffalo may be considered in the proposal.

24.	<p>Title: Development and clinical assessment of fish swim bladder derived biomaterial for wound healing in dogs.</p> <p>Budget: 2.0 lakhs. Duration: 2 yrs.</p> <p>PI: Dr. Vineet Kumar, Associate Professor, Veterinary Surgery and Radiology, COVAS</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Budget may be revised to 3-4 lakhs. 2. Take certificate from Biodiversity Board 3. On objective related to antibiotic sensitivity for various wounds may be included.
25.	<p>Title: Studies on serum and urine electrolytes changes in goat affected with urinary incontinence.</p> <p>Budget: 2.0 lakhs. Duration: 2 yrs.</p> <p>PI : Dr. Anand Mohan, Assistant Professor, Veterinary Clinical Complex (VMD), COVAS</p>	<p>Recommendations:</p> <p>The project may be revised/modified before resubmission.</p>
26.	<p>Title: Studies on the development of synbiotic food formulations with fruit pulp and millet flour.</p> <p>Budget: 1.9 lakhs. Duration: 1 yr.</p> <p>PI : Dr. Rakesh Kumar, Professor, Dairy Microbiology, SGIDT</p>	<p>Approved with recommendations:</p> <p>Culture should be obtained from NCDC</p>
27.	<p>Title: Optimization and storage study of Makhana Rabri.</p> <p>Budget: 1.2 lakhs. Duration: 1 yr.</p> <p>PI : Dr. Diwakar Mishra, Assistant Professor, Dairy Technology, SGIDT.</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Stevia may be incorporated. 2. A sugar free version of the product may be developed
28.	<p>Title: Development and stability evaluation of vitamin D fortified garlic butter.</p> <p>Budget: 2.0 lakhs. Duration: 1 yr.</p> <p>PI: Dr. Anupama Rani, Assistant Professor, Dairy Chemistry, SGIDT</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Prepare butter from both cow and buffalo milk and compare both the samples. 2. Adoption of small scale production unit may be encouraged
29.	<p>Title: Optimisation and studies on techno-functional characteristics of dietetic milk Nutribar and evaluation of its shelf life.</p> <p>Budget: 1.7 lakhs. Duration: 1 yr.</p> <p>PI: Dr. Jui Lodh, Assistant Professor, Dairy Technology, SGIDT</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Sugar free product may be developed. 2. Enhance the protein content to 1.5 times.
30.	<p>Title: Studies on standardization and quality evaluation of finger millet, chickpea and chia seeds based composite nutri-mix.</p> <p>Budget: 1.8 lakhs. Duration: 1 yr.</p> <p>PI: Dr. Binita Rani, Professor, Dairy Chemistry, SGIDT.</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Change the title and remove 'studies on' 2. Consider preparing the product in Iron 'Kadhai'/ utensil so as to increase the iron content. 3. Make a comparative analysis between the product made in iron kadhai and stainless steel utensil. 4. Use sesame seeds instead of Chia seed.

31.	<p>Title: Characterisation of thermophilic lactic acid bacteria from traditionally prepared dahi.</p> <p>Budget: 2.0 lakhs. Duration: 1 yr.</p> <p>PI: Dr. Sonia Kumari, Professor, Dairy Microbiology, SGIDT.</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Collect Curd samples from farmers with the help of Extension department. 2. Compare the parameters with NCDC culture and select the best ones. 3. Take culture from remote areas 4. Freeze dry the culture obtained from remote areas. 5. Remove salary component of staff. 6. Rename the project as "Characterisation of thermophilic lactic acid bacteria from traditionally prepared dahi from remote areas of Bihar." 7. Submit the project after revising the budget accordingly.
32.	<p>Title: Studies on development of anthocyanin-based colorimetric indicator for real-time monitoring of paneer quality.</p> <p>Budget: 1.0lakh. Duration: 1 yr.</p> <p>PI : Dr. Anamika Das, Associate Professor, Dairy Chemistry, SGIDT.</p>	<p>Approved with recommendations:</p> <ol style="list-style-type: none"> 1. Also consider beet root, turmeric as indicators. 2. Scope for incorporation of these indicators on PVC strips may be checked.
33.	<p>Title: Development of kit for the detection of common adulterants in the silver leaves used for decoration of Indian sweets.</p> <p>Budget: 2.0lakhs. Duration: 1.5 yrs.</p> <p>PI : Dr. Anuradha Kumari, Asst. Prof., DC, SGIDT.</p>	<p>Approved</p>
Fish Feed/ Nutraceuticals Related Research Proposals		
34.	<p>Title: Feed based Bivalent vaccine against Motile <i>Aeromonas septicemia</i> (MAS) in Koi carp employing Biofilm based approach.</p> <p>Budget: 2.0 lakhs. Duration: 1.5 yrs.</p> <p>PI: Dr. Abhiman, Assistant Professor, Aquaculture, COF.</p>	<p>Approved with recommendations:</p> <p>It was advised to review more of literature related to survival rate after immunisation.</p>
35.	<p>Title: Development of a Sustainable Fish Feed Nutraceutical Using Orange Peel Waste-Derived Selenium Nanoparticles</p> <p>Budget: 3.0lakhs, Duration: 1.0 yrs.</p> <p>PI: Dr. Showkat Ahmad Dar, Assistant Professor, Fish Nutrition Biochemistry & Physiology</p>	<p>Approved with recommendations:</p> <p>Studies on toxicity of Se nanoparticles should be considered</p>

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Fish Health Related Research Proposals		
36.	<p>Title: Development of captive breeding protocol for freshwater spiny eel, <i>Mastacembelus aculeatus</i></p> <p>Budget: 1.5 lakhs. Duration: 1 yr. 3 months.</p> <p>PI : Mr. Abhishek Kumar, Assistant Professor, Aquaculture, COF.</p>	Approved
37.	<p>Title: Development of plant based natural indicator on edible coating for fresh fish quality monitoring</p> <p>Budget: 1.6 lakhs. Duration: 1.5 yr.</p> <p>PI : Dr. Md. Aman Hassan, Assistant Professor, Fisheries Resources Management Harvest & Post harvest Technology, COF</p>	Approved
38.	<p>Title: Evaluation of herbs as a potential alternative for sex reversal in guppy (<i>Poecilia reticulata</i>).</p> <p>Budget: 3.0 lakhs. Duration: 1.0 yr.</p> <p>PI: Dr. Sachin Onkar Khairnar, Associate Professor, Fish Genetics and Biotechnology.</p>	Approved
Fish Environment & Toxicology Related Research Proposals		
39.	<p>Title: Effect of Abiotic Stressors on the Toxicokinetics and Bioconcentration of Microplastics in Fish.</p> <p>Budget: 2.0 lakhs. Duration: 1.0 yr.</p> <p>PI : Mr. Tapas Paul, Assistant Professor, Aquatic Environment And Animal Health Management, COF</p>	<p>Approved with recommendations: Take only two temperatures i.e. 26°C and 34°C and accordingly plan the technical programme</p>
40.	<p>Title: Study on occurrence and risk assessment of selected heavy metals in Mahananda river, India</p> <p>Budget: 2.0 lakhs. Duration: 1.5 yrs</p> <p>PI: Mrs. Madhu Kumari, Assistant Professor, Aquatic Environment and Animal Health Management, COF.</p>	Not approved
Fish Genetics Related Research Proposals		
41.	<p>Title: Development of Targeted knockout of Somatostatin and Myostatin gene in <i>Cyprinus Carpio</i> using CRISPR/Cas9 Technology</p> <p>Budget: 6.5 lakhs. Duration: 1.5 yrs.</p> <p>PI: Dr. Mamta Singh, Assistant Professor, Fish Genetics and Biotechnology, CoF.</p>	Approved
Agenda 7.	<p>Proposal for Inclusion of Director Research in APAR Review Mechanism and Incorporation of Research Performance Assessment in APAR of Faculty Members of Constituent Colleges under Bihar Animal Sciences University</p>	<p>Approved and recommended to route the agenda through Academic council as well.</p>
Agenda 8.	<p>Any other item with the permission of the Chair</p>	

Mr.

❖ **General Comments of the House about the research council meeting:**

Dr. Jitender Varma, President, World Veterinary Poultry Association reiterated that it is high time for academic institutions to undertake commercially oriented research in all sectors, including production and animal health. He emphasized that networking should be taught as well as practised, and that research should primarily adopt an interdisciplinary approach.

Dr. Pawan Kumar, MD, Hitech Nutrisol Pvt. Ltd. suggested giving priority to research work related to poultry and allied sectors with commercial orientation. He further emphasized that greater focus should be placed on resolving poultry disease-related problems and recommended the inclusion of interdisciplinary subjects such as microbiology, parasitology, biochemistry, physiology, pathology, medicine, etc. in future research activities.

Dr. Y. S. Malik, Joint Director, ICAR-IVRI, Mukteshwar appreciated the quality of the research proposals presented and suggested the inclusion of immunology- and epidemiology-related studies in future submissions, with greater emphasis on metagenomics and proteomics. He also noted the absence of Artificial Intelligence (AI)-based proposals and emphasized the need to strengthen inter-institutional collaborative research. Further, he recommended the inclusion of industry-oriented and small-scale projects, along with the establishment of an ethno-veterinary park focusing on medicinal and indigenous knowledge systems.

Mr. Hari Mohan Singh, Consultant, Fisheries Sector, Madhubani, Bihar emphasized the need to focus research on enhancing the productivity of fish species such as pangasius, and on the utilization of fish scales and river crustaceans for the development of nutraceuticals, which could attract funding support from the Government of Bihar. He further stressed the importance of promoting molasses-based research and increasing production capacity to support the nutritional needs of Bihar's 15 crore population.

Dr. Ashok Kumar Balhara, Principal Scientist, APR Division, ICAR-CIRB reiterated that basic research should not be the primary focus and that research activities must be need-based, considering the country's priority of ensuring nutrition and food security for its population.

He emphasized that research proposals should be developed through multidisciplinary collaboration, with concept notes being prepared and discussed with funding agencies before submission. He further stressed the need to focus on the dairy sector and remarked that "three productive cows are equivalent to one teacher's job" in terms of livelihood generation and economic sustainability.

The meeting ended with vote of thanks presented by Dr.N.K. Singh, Director Research - cum -Member Secretary, 8th Research Council, Bihar Animal Sciences University, Patna.

N.B:

- i. The recommendations of the pre-research council meeting held on 4-6th May 2026, were also noted and approved. **The recommendations/remarks made in the Pre-RC meeting is to be considered/referred for further planning and execution of the respective projects.**
- ii. The sanctions are provisional and subject to the availability of funds.

Vepl 19/05/2026
Member secretary-Cum-Director Research

Confirmed

3 Sh
24/6/26

Hon'ble Vice-Chancellor
Chairman