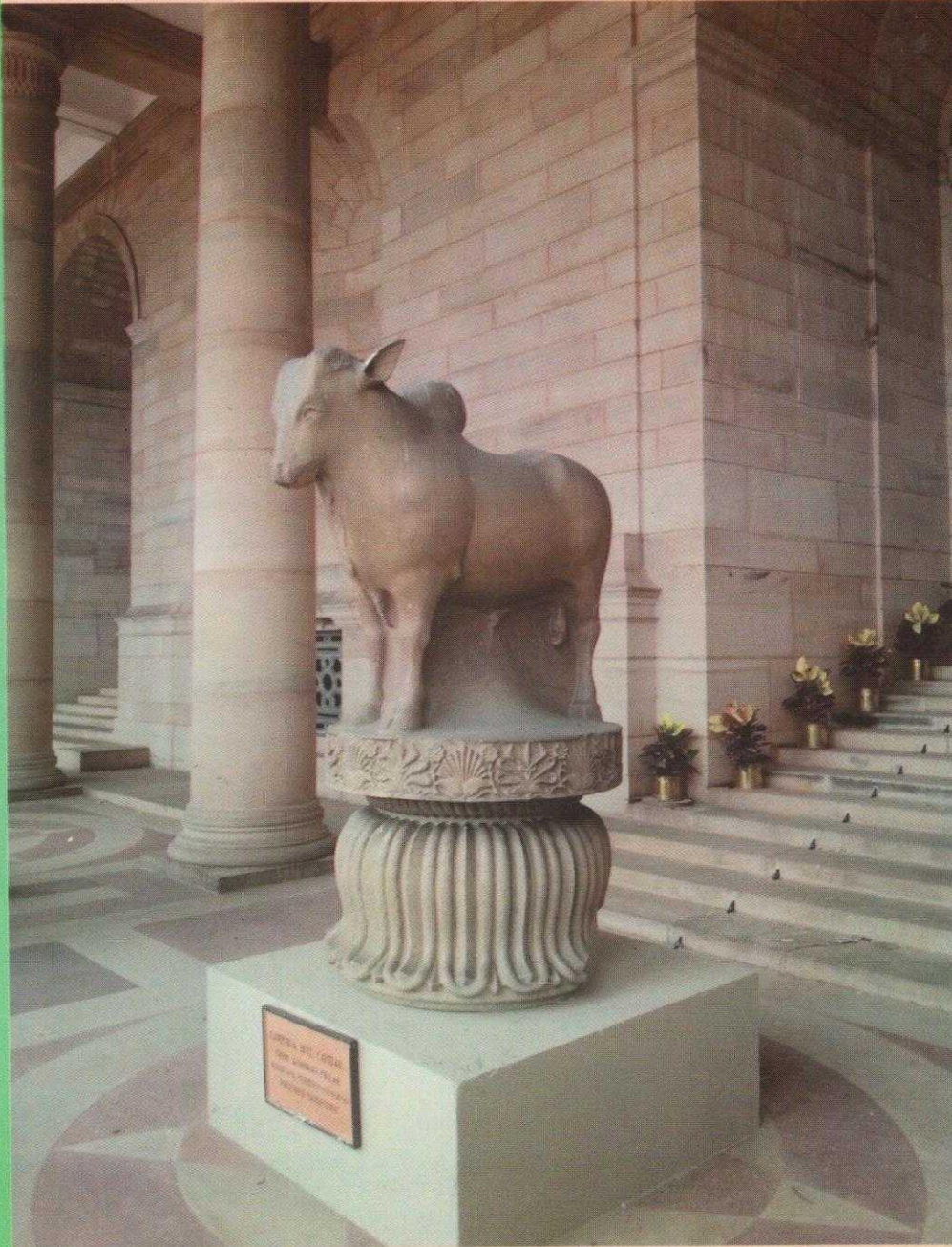


Annual वार्षिक प्रतिवेदन  
Report 2017-2018



**2018**

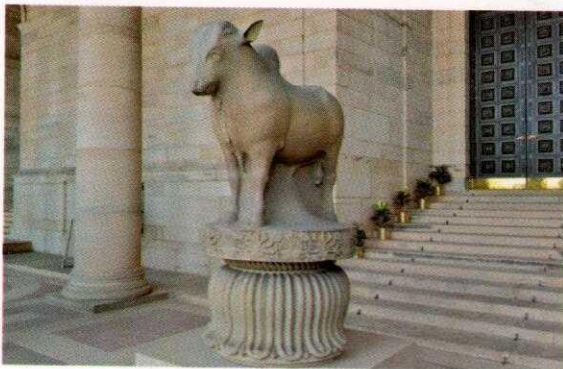
बिहार पशु विज्ञान विश्वविद्यालय  
पटना -800 014 (बिहार)



## About the logo of BASU: The Rampurva Bull

Ashokan Pillars are the most celebrated example of Mauryan Art. Rashtrapati Bhavan houses the magnificent third century B.C. sandstone capital of the Ashokan Pillar known as the Rampurva Bull. The Rampurva Bull is mounted on a pedestal between the central pillars at the Forecourt entrance of the Rashtrapati Bhavan. The Rampurva capitals are the capital of a pair of Ashoka Pillars discovered in c.1876 by A.C.L. Carlleyle. The archaeological site Rampurva is located in the West Champaran district of Bihar.

The Rampurva bull capital is noted as one of the seven remaining animal capitals from the Pillars of Ashoka. It is composed of a lotiform base, with an abacus decorated with floral designs, and the realistic depiction of a zebu bull. The abacus in particular displays a strong influence of Greek art: it is composed of honey suckles alternated with stylized palmettos and small rosettes. The Rampurva Bull is noted for its delicately sculpted model demonstrating superior representation of soft flesh, sensitive nostrils, alert ears and strong legs. It is a mixture of Indian and Persian elements. The bull capital is a masterpiece of Indian craftsmanship. The Rampurva Bull sculpture is said to have a velvet touch.



Weighing up to five tonnes, this invaluable artifact became a part of Rashtrapati Bhavan in the year 1948 after it came back from Burlington House, London where it had gone to take part in a grand exhibition of Indian art. The Rampurva Bull was kept for display at the Rashtrapati Bhavan at the initiative of Dr. Rajendra Prasad and Pandit Nehru who took keen interest in this priceless piece of history and decided that it would remain at the Rashtrapati Bhavan. It was the wish of Indian President and Prime Minister that The Rampurva Bull be placed at a "*conspicuous location*" at the Rashtrapati Bhavan. Pandit Nehru wrote in a letter about this piece of history and art that "*It is too valuable and precious.*"

# **ANNUAL REPORT**

**2017 - 2018**

**Bihar Animal Sciences University, Patna**



# Annual Report 2017-2018

## **Bihar Animal Sciences University, Patna**

### **PUBLISHED BY**

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(Registrar)

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**Dr. Rameshwar Singh**  
Vice-chancellor



## PREFACE

Bihar Animal Sciences University (BASU) was carved out of Bihar Agricultural University through the BASU Act notified in the Gazette on 29<sup>th</sup> August, 2016. In a short span of one year, the university has made rapid strides in all dimensions and has been ranked by ICAR at 62<sup>nd</sup> position among all the agriculture and veterinary universities of the country. A self-study report has been prepared and submitted to the ICAR for accreditation of the BASU headquarter. Bihar Veterinary College and Sanjay Gandhi Institute of Dairy Technology have already been accredited by the ICAR.

While ensuring fairness and highest academic standards in teaching and motivating students for hard work, facilities and amenities for students and faculty have been upgraded. Attempts to revive the academic standards have started bearing fruits and rekindled the hope for upliftment of academic environment and image of BASU in the country. Entrance examination for PG admissions at BASU was also successfully conducted recently.

The university has added sizeable infrastructure in the form of new buildings and reclaimed a significant portion of land from encroachment. The Exotic Cattle Breeding Farm at Patna has been transferred to BASU. The Central Poultry Farm and Institute of Animal Health and Production are also being transferred to BASU by the Department of Animal Husbandry & Fisheries Resources.

Recruitment of senior officers and other officials has strengthened the human resources in BASU. The new College of Fisheries at Kishanganj is about to take off on its journey to self reliance of the state in food and nutrition security and is poised to play a vital role in ushering blue revolution in the state. Extension camps in villages and trainings of farmers by university experts have provided the much needed help to the animal owners to help strengthen the animal husbandry sector in the state.

Students and faculty of BASU continued to strive hard to bring laurels to the university and touch new vistas in academic and professional domains. Both have won several awards at regional and national level. The faculty members participated in various trainings and presented papers at conferences and symposia. A large number of extension trainings and animal welfare camps were organized. Some faculty members were also invited to deliver expert lectures at trainings and lead papers at workshops and seminars in various parts of the country.

The fledgling university is up on its feet and has started on its long march to ensure prosperity of the state by improving animal production and livestock health.



**(Rameshwar Singh)**



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# ABOUT THE UNIVERSITY

## **ABOUT THE UNIVERSITY**

Bihar Animal Sciences University(BASU) was established at Bihar Veterinary College Campus, Patna through the Bihar Animal Sciences University Act No. 15 of 2016 notified in the Bihar Gazette on August 29, 2016 and it started functioning w.e.f. June 13, 2017 for the development of Veterinary Sciences, Dairy Technology and Fisheries Sciences in Bihar state. BASU has three constituent colleges viz. Bihar Veterinary College, Patna, Sanjay Gandhi Institute of Dairy Technology, Patna, and Dr. APJ Abdul Kalam College of Fisheries, Kishanganj, along with several research stations namely, the Institute of Animal Health and Production, Patna, Exotic Cattle Breeding Farm, Patna, Central Poultry Farm, Patna, Government Goat Breeding Farm, Purnia, Government Cattle Farm, Gaya, and Government Buffalo Farm, Sipaya (Goplaganj) for the promotion of livestock production, health and prevention of the diseases through integrated teaching, research and extension programs.

The university has been established with the following goals and objectives:

1. To make arrangement for giving education in different branches, particularly Veterinary Science and Animal Husbandry, Poultry, Fisheries, Dairy and other allied branches of learning and scholarship;
2. To further the advancement of learning and conducting of research, particularly in Veterinary and Animal Sciences and other allied sciences;
3. To undertake the extension of education of such sciences and technologies that are relevant for the rural people of the state;
4. To facilitate and ensure qualitative improvement in teaching and learning processes and methodology;
5. To facilitate and ensure quality research in the contemporary and frontier areas of animal science and technologies;
6. To facilitate an organized process of life long learning;
7. To disseminate knowledge and findings emerging in the university, its colleges, and institutions;
8. To establish partnerships with the industries and other entities working in animal science and technology and agriculture manufacturing.
9. To establish hospital for treatment/ research role of the university.
10. Other such purposes as the university or government may from time to time determine.



## ADMINISTRATION

### Board of Management

*to be constituted*

### Academic Council

#### *Chairman*

Dr. Rameshwar Singh, Vice-Chancellor, Bihar Animal Sciences University, Patna

#### *Member Secretary*

Dr. P. K. Kapoor, Registrar, Bihar Animal Sciences University, Patna

#### *Members*

Dr. H. M. Saxena, DRI cum Dean PGS

Dr. Ravindra Kumar, Director of Research

Dr. A. K. Thakur, Director of Extension Education

Dr. S. Samantaray, Dean, Bihar Veterinary College

Dr. M. N. Singh, Dean, Sanjay Gandhi Institute of Dairy Technology

Dr. K.G. Mandal, Head (Member nominated by VC)

Dr. Sanjeev Kumar, Associate Professor (Member nominated by VC)

Dr. Ashok Kumar, ADG (Animal Health) ICAR

### *Research Council*

#### *Chairman*

Dr. Rameshwar Singh, Vice-Chancellor, Bihar Animal Sciences University, Patna

#### *Member Secretary*

Dr. Ravindra Kumar, Director Research, Bihar Animal Sciences University, Patna

#### *Members*

Dr. H. M. Saxena, DRI cum Dean PGS

Dr. A K. Thakur, Director of Extension Education

Director of Animal Husbandry, Govt. of Bihar (*Ex-Officio* Member)  
Director of Dairy, Govt. of Bihar (*Ex-Officio* Member)  
Director of Fisheries, Govt. of Bihar (*Ex-Officio* Member)  
Director of Agriculture, Govt. of Bihar (*Ex-Officio* Member)  
Dr. S. Samantaray, Dean, Bihar Veterinary College  
Dr. M. N. Singh, Dean, Sanjay Gandhi Institute of Dairy Technology  
Dean of Fisheries Sciences (*Ex-Officio* Member)  
Heads of Departments and Units of BASU  
All University Professors  
Dr. N. S. Sharma, Controller of Examinations, GADVASU (Member nominated by VC)  
Dr. Indrajeet Singh, Director CIRB, Hisar, Haryana (Member nominated by VC)

Co-opted members:

Sri Vivekanand Singh, Dairy Farmer, Darbhanga  
Sri Abhay Kumar Singh, Poultry Farmer, Siwan  
Sri Satyendra Singh, Director, M/s Anuj Dairy, Nala Road, Patna  
Sri Arun Kartik, Managing Director, M/s Suguna Feed, Patna

***Extension Council***

***Chairman***

Dr. Rameshwar Singh, Vice-Chancellor, Bihar Animal Sciences University, Patna

***Members Secretary***

Dr. A. K. Thakur, Director, Extension Education, Bihar Animal Sciences University

***Members***

Dr. H. M. Saxena, DRI cum Dean PGS  
Dr. Ravindra Kumar, Director of Research  
Director of Animal Husbandry, Govt. of Bihar (*Ex-officio* member)  
Director of Dairy, Govt. of Bihar (*Ex-officio* member)



Director of Fisheries, Govt. of Bihar (*Ex-officio* member)

Director of Agriculture, Govt. of Bihar (*Ex-officio* member)

Dr. S. Samantaray, Dean, Bihar Veterinary College

Dr. M. N. Singh, Dean, Sanjay Gandhi Institute of Dairy Technology

Dean, College of Fisheries Sciences (*Ex-officio* member)

Head of Departments and Units of BASU

All University Professors

Dr. H. K. Verma, Director of Extension Education, GADVASU (Special Invitee)

Dr. R. K. Jat, Incharge, BISA, Pusa, Bihar

Three Progressive Farmers (Special Invitee Members)

Mr Abhay Kumar, Distt -Siwan, Bihar – Progressive Poultry Farmer

Mr Vivekanand Singh, Distt Darbhanga, Bihar – Progressive Dairy Farmer

Mr Rakesh Kumar Kashyap, Distt Muzaffarpur – Progressive Fisheries Farmer

One representative each from these organizations:

- Rural Development Department, Bihar
- Vaishali Patliputra Dugdh Utpadak Sahkari Sangh, Bihar
- Project Directorate, BLDA, Patna, Govt. of Bihar

## Officers of the University

Vice-Chancellor:	Dr. Rameshwar Singh
DRI-cum Dean PGS:	Dr. H. M.Saxena
Director Research:	Dr. Ravindra Kumar
Director Extension Education:	Dr. A. K. Thakur
Director Student's Welfare:	Dr. Raman Trivedi
Dean of Bihar Veterinary College:	Dr. S. Samantaray
Dean of the Dairy College:	Dr. M. N. Singh
Registrar:	Dr. P. K. Kapoor
Finance Comptroller:	Sri G C Prasad
University Librarian cum Information Officer:	Dr. Deepak Kumar

## FINANCIAL REPORT

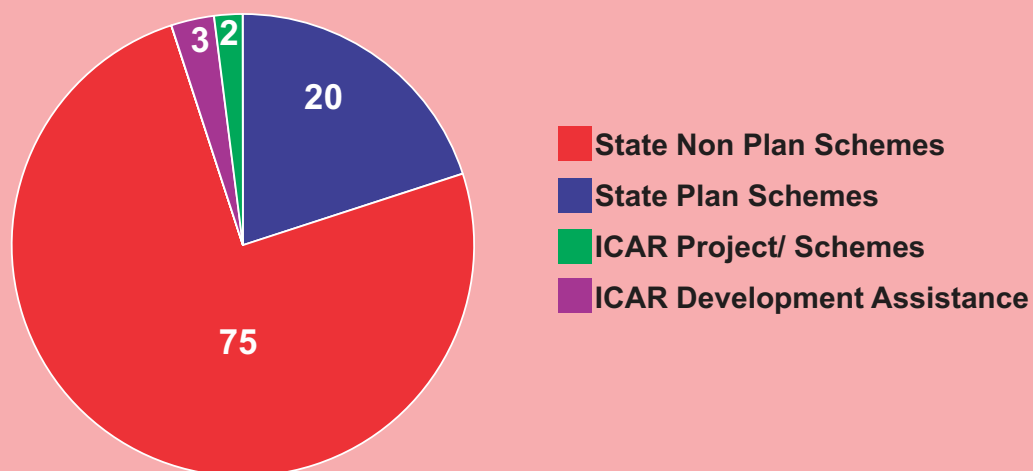
## Budget allocated and amount spent under various schemes / projects during 2017- 18

Schemes		Budget (Rs. in lacs)	Expenditure (Rs. in lacs)			
			Pay	Contingencies	Construction	Total
State Non Plan Schemes*	BVC, Patna	2815.96163	2546.84628	231.04008	38.07526	2815.96163
	SGIDT, Patna	1047.46037	944.63721	89.90477	12.91839	1047.46037
	<b>Total</b>	<b>3863.42199</b>	<b>3491.48349</b>	<b>320.94485</b>	<b>50.99365</b>	<b>3863.42199</b>
State Plan Schemes	BASU, Patna	1000.00	50.00	950.00	0.00	<b>1000.00</b>
ICAR Projects/ Schemes*	BVC, Patna	26.58382	26.58382			26.58382
	SGIDT, Patna	0.00	0.00			0.00
	<b>Total</b>	<b>26.58382</b>	<b>26.58382</b>			<b>26.58382</b>
ICAR Dev. Assistance*	BVC, Patna	80.50	80.5			<b>80.5</b>
	SGIDT, Patna	57.00	57.00			<b>57.00</b>
	<b>Total</b>	<b>137.50</b>	<b>137.5</b>			<b>137.5</b>
Other Schemes	DST-FIST Program, BVC, Patna	92.50	0.00 (to be expended till Oct., 2018)			<b>0.00</b>
	Aga Khan Foundation* BVC, Patna	1.35	1.35			<b>1.35</b>
	<b>Total</b>	<b>93.85</b>	<b>1.35</b>			<b>1.35</b>
<b>Total</b>		<b>9000.86163</b>	<b>8908.36163</b>			<b>8908.36163</b>

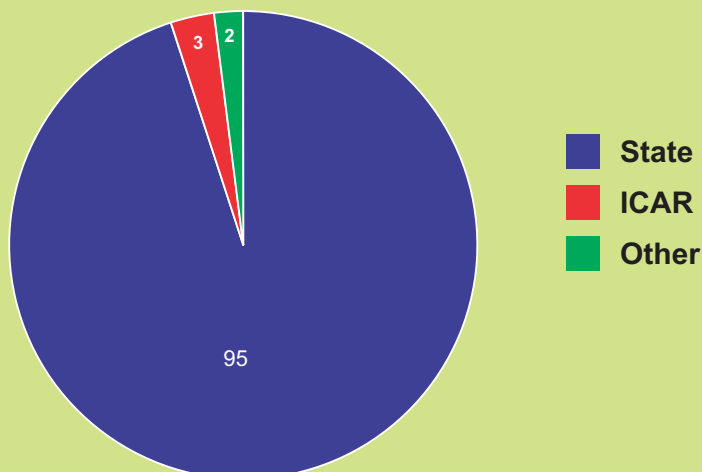
\* Budget allocated to BAU, Sabour for expenditure under various heads and subsequently transferred to BASU, Patna for Bihar Veterinary College, Patna and SGIDT, Patna.



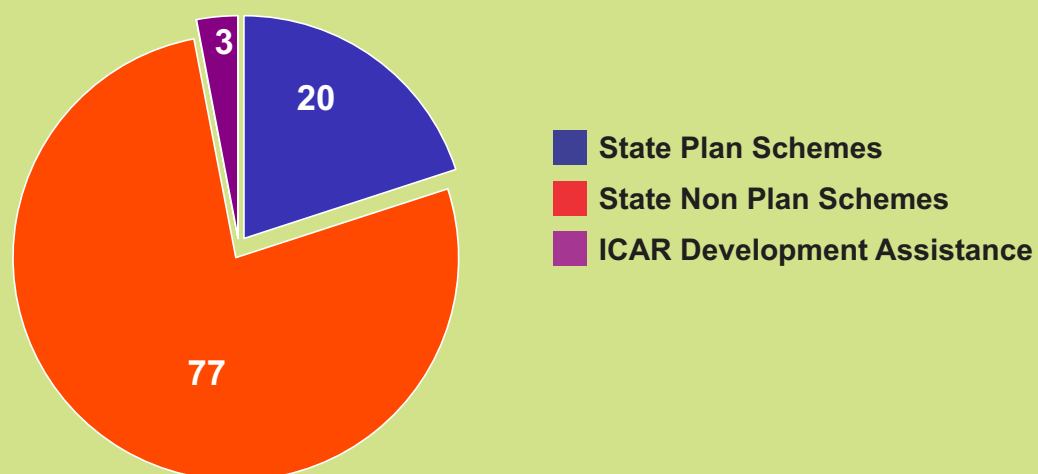
**Budget allocated (%) under various schemes / project during F.Y. 2017-18**



**Contribution (%) of different funding agencies during F.Y. 2017-18**



**Scheme wise expenditure (%) during F.Y. 2017-18**

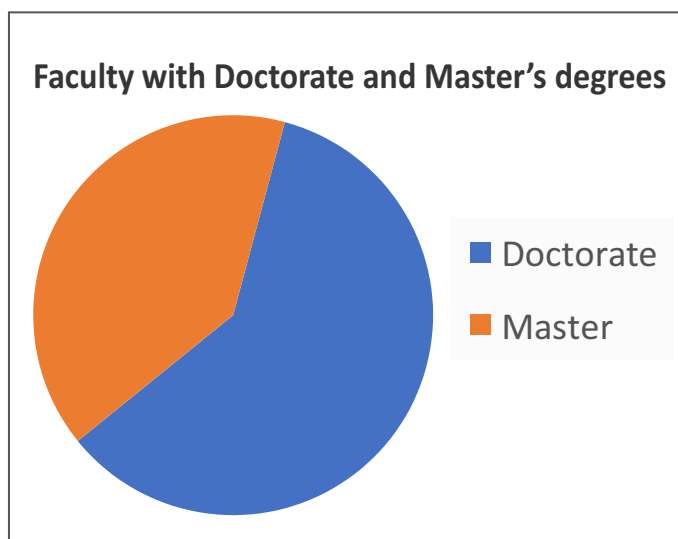
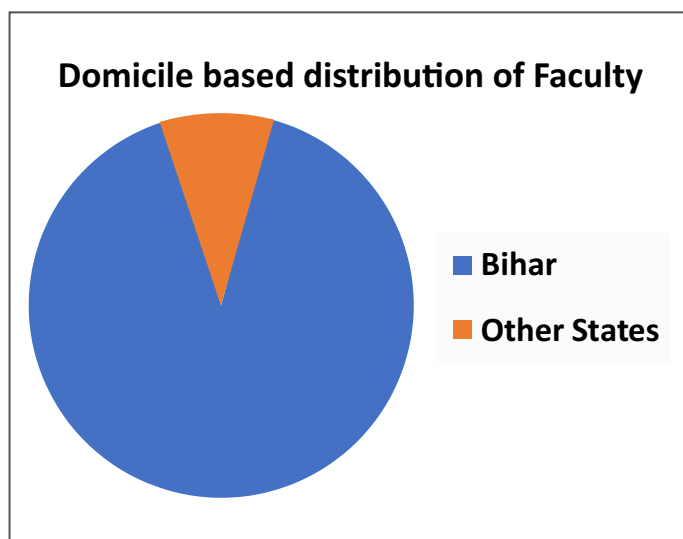
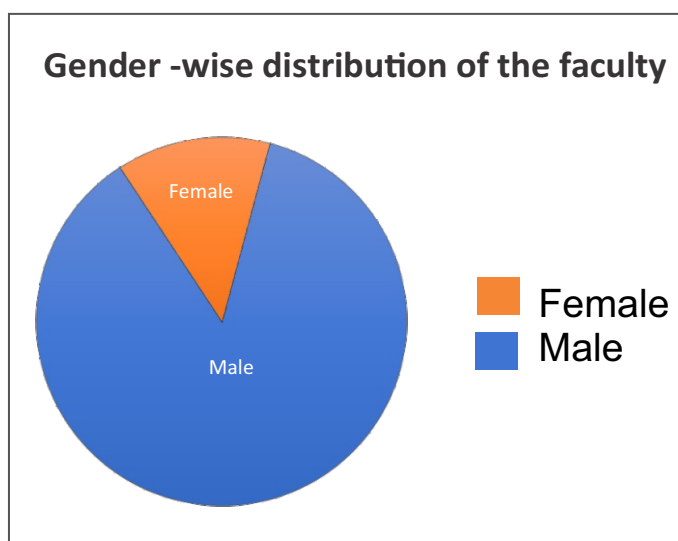
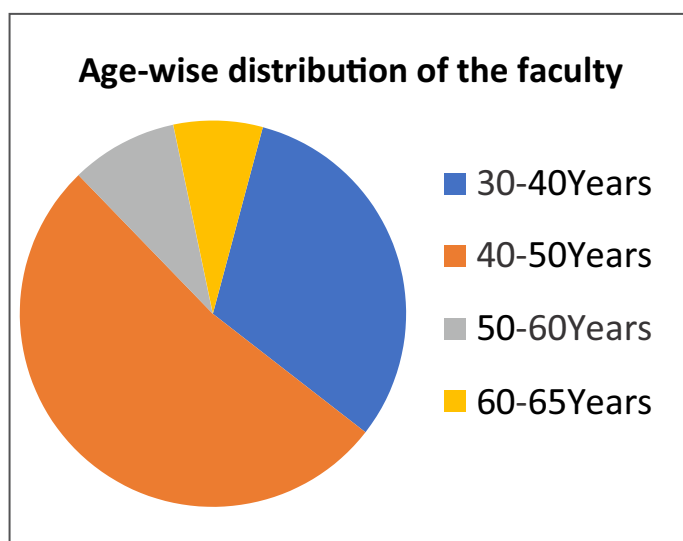
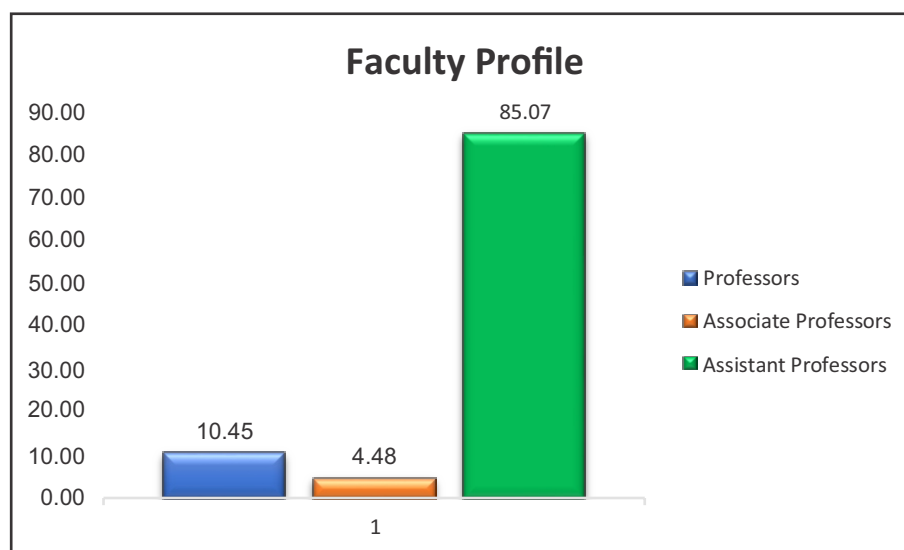


# Faculty Profile



Bihar Animal Sciences University (BASU), Patna, Bihar was carved out of Bihar Agricultural University recently by subsuming its two existing colleges namely Bihar Veterinary College (BVC), Patna and Sanjay Gandhi Institute of Dairy Technology (SGIDT), Patna. The total faculty strength in both the constituent colleges of BASU is 67, out of which 7 are Professors, 3 Associate Professors and 57 Assistant Professors. All the faculty members of the university in different ranks are actively involved in teaching, research and extension. The university has a good chunk of young faculty members. Their numbers in different age groups namely 30-40 Years, 40-50 Years, 50-60 Years and 60-65 Years are 31%, 52%, 9% and 8%, respectively. The representation of female and male faculty members is 13% and 87%, respectively in the university. The faculty members of the university belong to Bihar (91%) as well as other states (9%) of India. Of all the faculty members, 60% are Doctorate degree holders whereas only 40% are Master's degree holders. The Master's degree holder faculty members are already in different years of their Doctorate degree studies and are likely to complete Ph.D. degree shortly.

Institution	Professors	Associate Professors	Assistant Professors	Total
Bihar Veterinary College, Patna	4	0	52	56
Sanjay Gandhi Institute of Dairy Technology, Patna	3	3	5	11
<b>Total</b>	<b>7</b>	<b>3</b>	<b>57</b>	<b>67</b>





## STUDENTS' PROFILE

The Bihar Animal Sciences University, Patna is imparting quality education and practical skills to the undergraduate and postgraduate students through its two constituent colleges. A College of Fisheries Sciences is being established at Kishanganj. Presently, a total of 352 students are enrolled with the University under the faculties of Veterinary Sciences and Dairy Sciences in UG, PG and Ph.D programs including 23 students under the certificate course in AI. Out of 352 students, a total of 202 students are enrolled for B.V.Sc. & A.H. degree, which includes 54 girl students, while 73 students are enrolled in B.Tech. (Dairy Technology) at S.G.I.D.T which includes 19 girl students. In post graduate courses, a total of 39 students are currently enrolled in Master's programme and 15 students in PhD program that include 4 girls each in both the programs. Post graduate program has been started from this year in the Department of Dairy Technology with two seats and presently one girl student is on roll.

### Students on roll during 2017-18

#### Scholarships and stipends to students

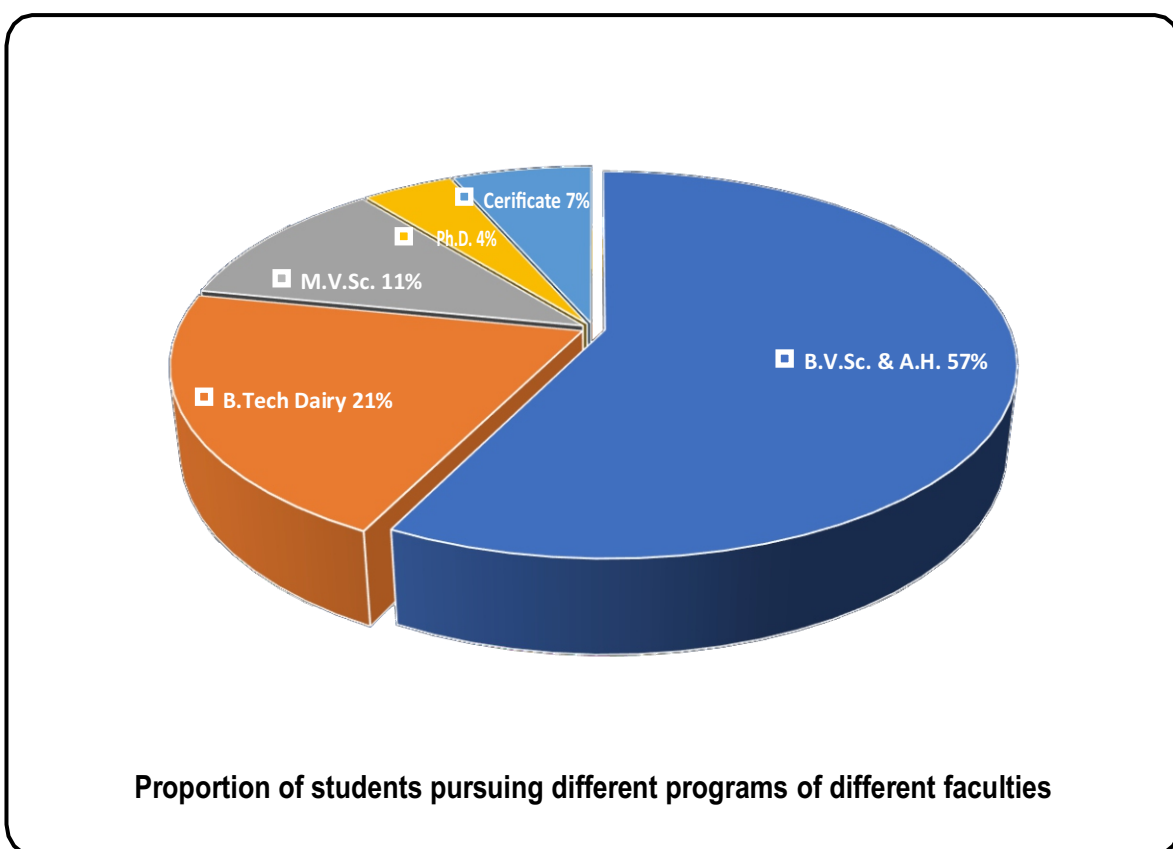
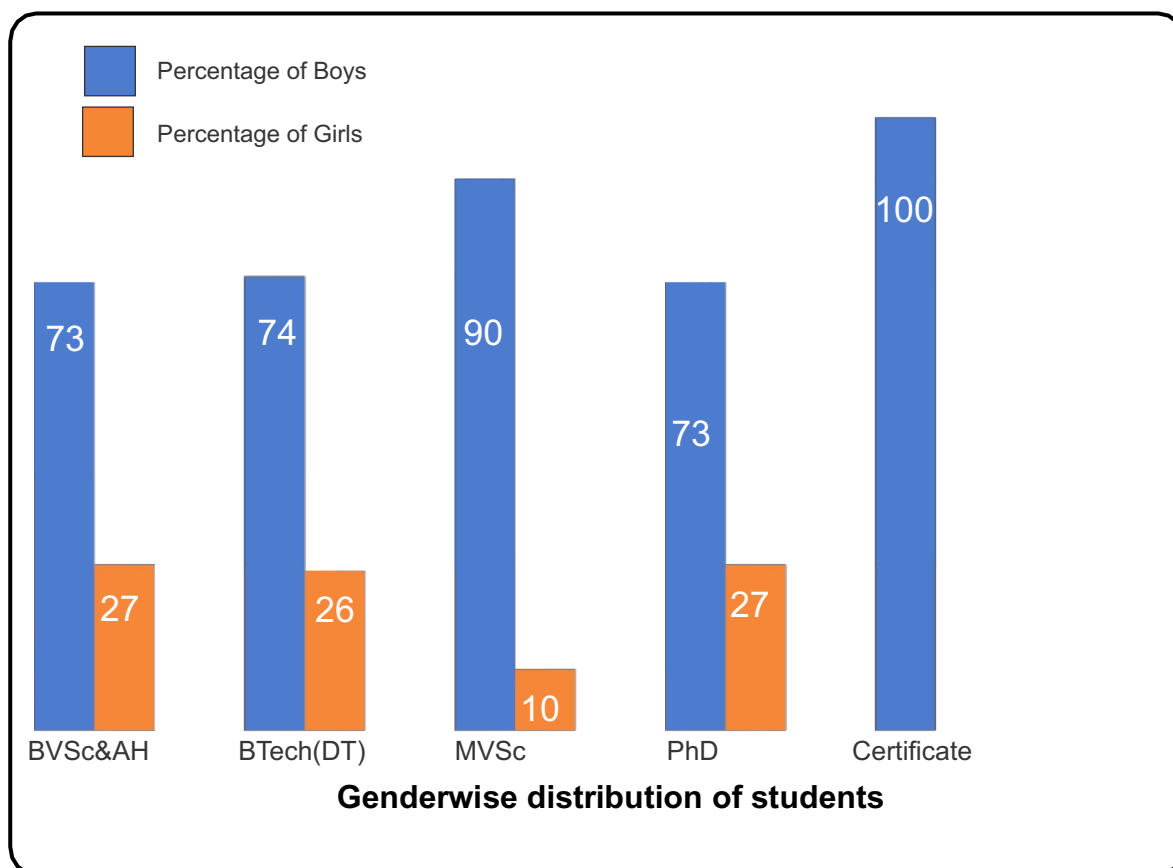
Students' Profile			
Program	Boys	Girls	Total
B.V.Sc. & A.H.	148	54	202
B.Tech. Dairy Technology	54	19	73
M.V.Sc.	35	4	39
Ph.D.	11	4	15
Certificate Course in AI	23	0	23

### Gender Wise (%) Distribution of Students

Program	Percentage	
	Boys	Girls
B.V.Sc. & A.H.	73%	27%
B.Tech. Dairy Tech.	74%	26%
M.V.Sc.	90%	10%
Ph.D.	73%	27%
Certificate Course in AI	100%	0%

All B.V.Sc. & A.H. students are getting scholarship offered by the Govt. of Bihar.

VCI/NTS scholarship (12 students in 2017-18) for U.G. students, ICAR/ NTS scholarship (7 students in 2017-18) for P.G. students, and Ph.D. scholarship (2 students in 2017-18) are being offered.



## ACADEMIC UNITS OF BASU

### A. Teaching Units of BASU

1. Bihar Veterinary College, Patna
2. Sanjay Gandhi Institute of Dairy Technology, Patna
3. College of Fisheries, Kishanganj

### B. Research Institutes /Stations/Sub-stations

1. Institute of Animal Health and Production, Patna
2. Exotic Cattle Breeding Farm, Patna
3. Central Poultry Farm, Patna
4. State Goat Breeding Farm, Purnea
5. State Animal Farm, Gaya
6. State Buffalo Farm, Sipaya, Gopalganj

## A. Teaching Institutions of BASU

### 1. Bihar Veterinary College, Patna

The Bihar Veterinary College was established on 2<sup>nd</sup> April 1927 by Sir Henry Wheeler. From 2017, it is under BASU. This college is the only veterinary college in Bihar. It caters to the needs of Bihar by carrying out teaching, research and extension education programs pertaining to livestock production and health problems. Presently, the college has 17 departments. All these departments have experienced faculty and laboratory facilities with adequate infrastructure for undergraduate and postgraduate teaching and research. A well-equipped veterinary clinical complex is available to cater to the demands of large and small animal health care. In addition, the college has an elite dairy herd and a poultry farm which provide adequate facilities for teaching and research.

The College of Veterinary Science offers the following programs of study:

1. B.V.Sc. and A.H.
2. M.V.Sc.
3. Ph.D.

### Departments of Bihar Veterinary College, Patna

#### Names of the Departments

1. Department of Animal Breeding and Genetics
2. Department of Animal Nutrition
3. Department of Animal Reproduction, Gynecology and Obstetrics
4. Department of Clinical Veterinary Medicine, Ethics and Jurisprudence
5. Department of Epidemiology and Preventive Veterinary Medicine
6. Department of Livestock Production Management
7. Department of Livestock Products Technology
8. Department of Veterinary Anatomy and Histology
9. Department of Veterinary and Animal Husbandry Extension

10. Department of Teaching Veterinary Clinical Complex
11. Department of Veterinary Microbiology
12. Department of Veterinary Parasitology
13. Department of Veterinary Pathology
14. Department of Veterinary Pharmacology and Toxicology
15. Department of Veterinary Physiology and Biochemistry
16. Department of Veterinary Public Health
17. Department of Veterinary Surgery and Radiology.

## 2. Sanjay Gandhi Institute of Dairy Technology (SGIDT), Patna

Sanjay Gandhi Institute of Dairy Technology, Patna is a constituent college of Bihar Animal Sciences University, Patna. The institute conducts teaching, research and extension in the area of dairy technology and runs a four - year degree program called Bachelor of Dairy Technology (B. Tech. D.T.). From the year 2017, post graduate program has also been started in the Department of Dairy Technology. The institute has adopted the course curricula as per the recommendation of the Deans' Committee constituted by the ICAR, New Delhi and presently the courses are offered as per the 5<sup>th</sup> Deans' Committee of ICAR.

### Mandate:

- To train personnel in dairy technology and dairy husbandry in order to handle dairy development programs in the state of Bihar.
- To provide short term training to dairy farmers, dairy entrepreneurs and dairy technicians as and when required.
- To conduct under graduate and post graduate programs in the selected areas of dairy science as per the requirement of the state.
- To carry out research in collaboration with related disciplines on various aspects of dairy science and technology.
- To disseminate the scientific knowledge in relation to milk and milk products through extension education programs.

### Departments of SGIDT, Patna

#### Names of the Departments

- 1 Department of Dairy Chemistry
- 2 Department of Dairy Economics and Business Management
- 3 Department of Dairy Engineering
- 4 Department of Dairy Microbiology
- 5 Department of Dairy Technology
- 6 Department of Dairy Extension
- 7 Department of Dairy Animal Husbandry



### **3. College of Fisheries, Kishanganj**

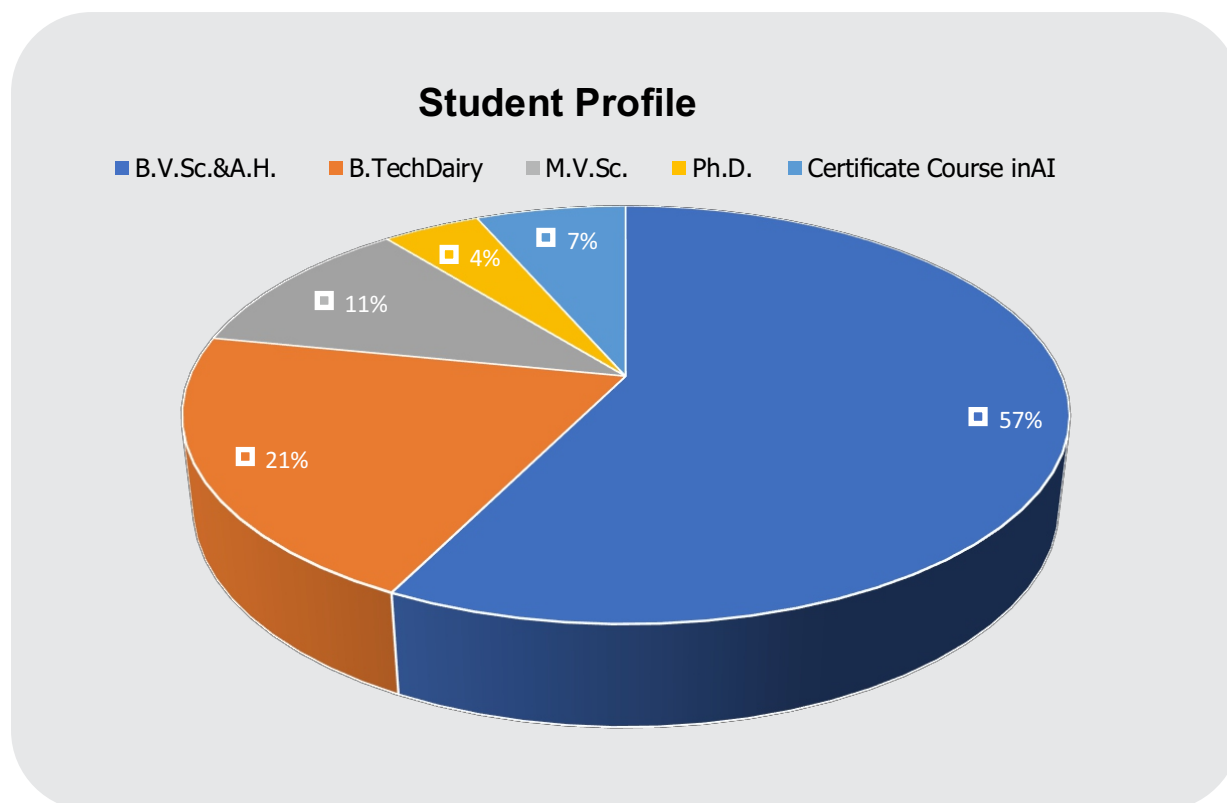
A new College of Fisheries is being established in Kishanganj and it will start functioning from July 2018. MOUs have been signed with some ICAR fisheries institutes to strengthen academics and research capabilities of the college.

1. An MOU with ICAR Central Inland Fisheries Research Institute ( ICAR-CIFRI ) was signed at BVC Patna on 6<sup>th</sup> of April 2018. Dr. Basant Kumar Das, Director, ICAR- CIFRI and Dr. S. Samanta ray, Dean BVC cum Registrar signed the MOU on behalf of CIFRI and BASU, respectively.
2. Another MOU was signed between BASU and ICAR Central Institute of Freshwater Aquaculture (ICAR- CIFA) at Bhubaneswar on 16 April 2018. Dr. J. Sundaray, Director, ICAR-CIFA and Dr. S. Samantaray Dean cum Registrar signed the MOU on behalf of ICAR- CIFA and BASU, respectively.
3. An MOU between ICAR Central Institute of Fisheries Education (ICAR-CIFE) and BASU was signed in June 2018.

## TEACHING

At present there are 241 students pursuing their studies in Bihar Veterinary College, out of which 183 are male and 58 are female; where as in SGIDT, 73 students are registered, out of which 54 are males and 19 are females. The gender-wise distribution of male and female students admitted in different programs of Bihar Veterinary College is shown below:

Student Profile			
Programme	Boys	Girls	Total
B.V.Sc. & A.H.	148	54	202
B.Tech Dairy	54	19	73
M.V.Sc.	35	4	39
Ph.D.	11	4	15
Certificate Course in AI	23	0	23



Genderwise Distribution of Students		
Program	Percentage	
	Boys	Girls
B.V.Sc. & A.H.	73%	27%
B.Tech. Dairy Tech.	74%	26%
M.V.Sc.	90%	10%
Ph.D.	73%	27%
Certificate Course in AI	100%	0%

### Bihar Veterinary College

BVSc and AH courses and credit hrs as per the new VCI syllabus (MSVE 2016)

Names of the courses	Cr Hrs	Duration
First professional		
Veterinary Anatomy	4+3	One Year
Livestock Production Management	4+2	
Veterinary Physiology	4+1	
Second professional		
Veterinary Biochemistry	2+1	One Year
Animal Nutrition	3+1	
Animal Genetics and Breeding	3+1	
Veterinary Pathology	4+2	
Veterinary Microbiology	3+2	
Third professional		
Livestock Farm Practices	0+2	One Year
Veterinary Clinical Practices I	0+1	
Veterinary and Animal Husbandry Extension Education	3+1	
Livestock Products Technology	2+1	
Veterinary Parasitology	3+2	
Veterinary Public Health and Epidemiology	3+1	
Veterinary Pharmacology and Toxicology	4+1	
Fourth professional		
Veterinary Surgery and Radiology	2+1	One and Half Year
Veterinary Medicine	4+1	
Veterinary Gynaecology and Obstetrics	2+1	
Veterinary Clinical PracticesII	0+6	
Fifth professional		
Internship		One Year

Postgraduate courses are being taught as per the syllabus prescribed by the ICAR BSMA.

### Sanjay Gandhi Institute of Dairy Technology

The institute carries out teaching in dairy technology, dairy engineering, dairy microbiology, dairy chemistry, dairy economics, dairy extension and dairy husbandry with a modest set-up and state of the art technical facilities. All the activities related to teaching, research and extension are organized through well-established departments with the help of well qualified faculties from within the institute and sister institutes. Besides, eminent resource persons are engaged to deliver guest lectures with intention to impart the best education to the students of B.Tech. (DT) program.

Presently, 147 credit hrs of courses are being offered to the students to complete the B.Tech. (DT) program as per the recommendations of 5<sup>th</sup> Deans' Committee. Looking at the trends in the job market, a number of modifications have been done in the course curriculum to make the students more skilled by incorporating Student Ready Program, Hands on Training, Experiential Learning and In - plant Training programs.

Discipline	No. of courses	Total credits
Dairy Engineering	13	38(24+14)
Dairy Technology	12	34(19+15)
Dairy Microbiology	06	18(12+6)
Dairy Chemistry	06	18(12+6)
Dairy Business Management	12	29(20+9)

### College of Fisheries

An Expert Consultation on Bachelor of Fisheries Science (B.F.Sc.) course revision was organized on 6<sup>th</sup> February, 2018 at Bihar Veterinary College, Patna with the following objectives:

- Fine tuning of the B.F.Sc. course to be offered by the College of Fisheries (BASU) by making it more relevant with due considerations to the availability of fisheries and aquaculture resources of Bihar, agro-ecological conditions, socio-cultural setting and economic needs.
- To ensure that passing out students would be fully work ready and responsive to confronting challenges, opportunities and meeting the expectations of the employers and client groups including farming and fishing communities, entrepreneurs, etc.

Directors / Deans/ Experts from ICAR Fisheries Institutes (ICAR-CIFA, ICAR- NBFGR, ICAR- CIFE, ICAR-CIFRI), CAU- College of Fisheries, Agartala, SAU- Pantnagar College of Fisheries), Department of Fisheries, Bihar, Patna and Representatives of various GO/NGO, agencies, Farmers' Associations, Traders, etc. participated. Final revised version of the B.F.Sc. course to be introduced in the College of Fisheries of BASU after making necessary revisions in the 5<sup>th</sup> Deans' Committee prescribed by the ICAR was approved by the Academic Council of BASU with a few minor changes.



## Details of M.V.Sc. Degrees awarded (2017-18)

Sl. No.	Name of the student	Degree awarded	Title of thesis	Name of major advisor	Department	Date of award of degree
1.	Dr. Sunil Kumar	M. V. Sc.	Epidemiological and microbiological studies on prevalence of Mastitis in dairy cattle and buffaloes	Dr. Manoj Kumar	Veterinary Microbiology	06-10-2017
2.	Dr. Md. Arman	M. V. Sc.	Isolation and identification of multidrug resistance in <i>Escherichia coli</i> from clinical samples	Dr. Pankaj Kumar	Veterinary Microbiology	25-09-2017
3.	Dr. Mrityunjay Kumar	M. V. Sc.	Study of helminthic parasites in buffalo with special reference to <i>Gigantocotyle explanatur</i>	Dr. Pankaj Kumar	Veterinary Parasitology	15-02-2018
4.	Dr. Archana	M. V. Sc.	Isolation, characterization and evaluation of <i>Staphylococcus aureus</i> bacteriophage(s) assurface sanitizer	Dr. P. Kaushik	Veterinary Public Health	23-08-2018
5.	Dr. Arun Kumar	M. V. Sc.	Studies on broiler farming practices adopted by the farmers of Bihar	Dr. S. P. Sahu	Livestock Product Management	to be notified
6.	Dr Sushma Suman	M. V. Sc.	Pathomorphological, clinicopathological and residual effect of induced levofloxacin toxicity of broiler birds	Dr Deepak Kumar	Veterinary Pathology	26-08-2017
7.	Dr Sikander Yadav	M. V. Sc.	Pathomorphological and clinicopathological alteration of induced chlorpyrifos toxicity in Vanraja birds	Dr Deepak Kumar	Veterinary Pathology	26-08-2017
8.	Dr Subhash Kumar Das	M. V. Sc.	Studies on incidence, cytopathology and histopathology of commonly occurring neoplasms in canine	Dr Kaushal Kumar	Veterinary Pathology	to be notified
9.	Dr. Anish Kumar	M. V. Sc.	Studies on demodectic mange in dogs and its therapeutic management with a herbal preparation	Dr. Arvind K.Das	Veterinary Medicine	26.12.2017
10.	Dr Shashi Prakash Singh	M. V. Sc.	Study on clinico-hemato-biochemical changes in chronic renal failure in dog and its amelioration by therapeutic management	Dr. Pallav Shekhar	Veterinary Medicine	15.01.2018



# RESEARCH

## RESEARCH

Working on need based research on different aspects related to production and health of various livestock species and poultry forms an integral part of the mandate of the university. During the year 2017-18, a total of 15 research schemes were operational. Many new project proposals were submitted to various funding agencies, viz. Indian Council of Agricultural Research, Department of Biotechnology, Department of Science and Technology and others.

Funding agency	Number of schemes
ICAR Schemes	6
DBT/DST and others	1
University funded	7
Directorate of Poultry Research	1

### List of Ongoing Externally Funded Research Projects

S.No.	Title of the Project	Funding Agency
1.	National Agricultural Higher Education Project (Innovation Grant)	World Bank & I.C.A.R., New Delhi
2.	FIST Program	D.S.T., New Delhi
3.	Poultry Seed Project	D.P.R., Hyderabad
4.	All India Coordinated Research Project on "Epidemiological Studies on Foot and Mouth Disease"	I.C.A.R., New Delhi
5.	All India Coordinated Research Project on "Animal Disease Monitoring and Surveillance"	I.C.A.R., New Delhi
6.	Outreach Program on "Monitoring of Drug Residues & Environmental Pollutants"	I.C.A.R., New Delhi
7.	Experiential Learning Unit (Critical Care Unit)	I.C.A.R., New Delhi
8.	Strengthening and Upgradation of TVCC as an Experiential Learning Unit for Pet Animals	I.C.A.R., New Delhi

### Intramural (university funded) projects

1.	Studies on Urohydropropulsion and Tube cystostomy for surgical management of Urolithiasis in goats
2.	Radiographic and Sonographic screening of cardiac, hepatic and urogenital diseases of canines
3.	Bio-fabrication of gold nano particles and its anti-proliferative effect in cell line
4.	Comparison and development of standard protocol for oestrous synchronization in anoestrous buffaloes
5.	Formulation and evaluation of Area Specific Mineral Mixture on the performance of dairy cattle and buffaloes
6.	Assessment of <i>Moringa oleifera</i> as a fodder
7.	Process standardization and optimization for shelf life enhancement of Paneer from milk of Bihar origin

### Completed projects

The University has completed 22 institutional and 6 externally funded projects. There are 8 ongoing externally funded projects.

#### List of completed extramural research projects

1. AICRP on "Improvement of feed resources and nutrient utilization in raising animal production" funded by ICAR, New Delhi.
2. NAIP project on "Understanding the mechanism of variation in status of a few nutritionally important micronutrients in some important food crops and the mechanism of micronutrients enrichment in plant parts" funded by ICAR, New Delhi.
3. Performance of Gram Priya and Van Raja fowl crossed with local /native breed of cock (from Patna /Hazipur region) funded by ICAR, New Delhi.
4. Development of integrated goat farming in Bihar funded under RKVY scheme.
5. Development of integrated poultry farming in Bihar funded under RKVY scheme.
6. Adoption and refinement of Artificial Insemination with frozen semen in cattle under Agro-climatic zones of Bihar funded by DAH & F, Bihar.
7. Provided consultancy services on Goat Disease Mapping to Agha Khan Foundation.



### Research achievements and activities

- The University has developed rice and wheat straw based complete feed block for livestock and Bypass Protein Technology for growing dairy animals.
- The Department of Animal Nutrition is actively associated with conducting research work in area of nutrient requirement of farm animals, evaluation of unconventional feed resources like *Moringa olifera*, Azolla, Jhunjhuna leaves, *Acacia nilotica* etc., improvement of feed and fodders for animals, study of anti-nutritional factors and feed formulation for different classes of farm animals. Newer techniques like bypass protein and plant secondary metabolite for better performance of animals is also being practiced. A complete feed block for sustainable animal production round the year has been developed. A variety of feed and fodder, conventional as well as unconventional, can be used in the complete feed block.
- Studies were conducted to assess the prevalence of multi drug resistant (MDR) *E. coli* in bovine clinical samples received at Veterinary Clinical Complex of the College.
- The faculty members are engaged in surveillance work in the state. The data generated is being used by ICAR- NIVEDI and published in "*Disease forewarning bulletin*".
- Scientists are presently working in the are as of food microbiology (*Clostridium*, *Salmonella*, *E.coli*), Bacteriophage and Methicillin resistant *Staphylococcus aureus*.
- The university has developed complete visual aids for leg conformation of a horse.

### Contribution to Drafting of National Inland Fisheries and Aquaculture Policy (NIFAP)

Dr. Dilip Kumar, Chairman of the Technical Committee for drafting the National Inland Fisheries and Aquaculture Policy has contributed significantly in drafting the NIFAP. He was invited by the Secretary, DAHDF to present the final version of the draft document on 4<sup>th</sup> May, 2018. Based on the observations made by the Secretary and his colleagues the draft was further revised and the final version of the policy document was presented by Dr Dilip Kumar on 31 May 2018 which was accepted for submission. The Secretary also requested to prepare an Action Plan for the implementation of the NIFAP.

The image features a central white hexagon. To its left is a solid blue vertical rectangle. To the right of the hexagon are two solid pink rectangular blocks, one above and one below the hexagon's horizontal span. The word "EXTENSION" is written in bold blue capital letters across the right side of the white hexagon.

**EXTENSION**

## EXTENSION ACTIVITIES

### Directorate of Extension Education

The 1<sup>st</sup> Meeting of the Extension Council of BASU was organized on 12.01.2018.

#### Exhibitions/Outreach Programs

A list of extension programs and activities undertaken by the Directorate of Extension Education, BASU, Patna on various occasions inside the campus and outside the university is given below. The faculty participated and put up university stalls at exhibitions, State Agriculture Fairs, Agri - Expo, International Agri-Tech, Bihar and other extension programs organized from time to time. The participation was appreciated and the university stall was given awards on several occasions.

S.No.	Name of the program	Duration	Place
1	ASCI-Training Program of Master Trainers for 10 job roles	20-22 Sept, 2017	BVC, Patna
2	Agri-Expo, 2018	11-13 Jan, 2018	ICAR-RCER, Patna
3	Exhibition on the occasion of 18 <sup>th</sup> Foundation Day of ICAR-RCER, Patna	20 Feb, 2018	ICAR-RCER, Patna
4	International Agri -Tech Bihar	09-11 Mar, 2018	Patna
5	Farmers'-Scientists' Interface	17 Mar, 2018	ICAR-RCER, Patna
6	Bihar Diwas Program	22-24 Mar, 2018	Patna
7	Animal Health Camp under Farmer First Project	28 Mar, 2018	Mehsi, East Champaran
8	State Agricultural Fair	13-15 April 2018	Motihari

BASU has adopted two villages in Muzaffarpur district as Poultry Gram. The university has supplied 1000 chicks and established a farmers' club. BASU is regularly transferring the technology to the farmers. Promotion of backyard poultry farming through PSP is running under the supervision of experts from the University. A Farmers Advisory Service is being carried out at the Department of Extension Education, Bihar Veterinary College, Patna. More than 150 persons have been given advice for livestock entrepreneurship development and 22 entrepreneurs have been developed so far.

A National Conference on Livelihood and Food Security (LFS -2018) was organized from 27-28 January, 2018 in collaboration with SAID, Ranchi. Around 580 participants from different parts of the country participated in the conference.

### 2. Participation in Animal Health Camp:

Faculty from Bihar Veterinary College actively participated in the Pashu Vikas Mela Held at Semuapur, Champaran, along with ICAR, RCER on 28-29 October, 2017. More than 380 cases were advised and treated in the mela. One Animal Health Camp cum Kisan Goshthi was organized at Manas Diara, Danapur on 01.04.2018.

An Animal Health Camp cum Kisan Goshthi was organized at Badipur, Patna on 01.04.2018, collectively 3560 animals were treated and advised.

## Agri Tech International Expo at Gandhi Maidan, Patna



Agriculture Production Commissioner, Bihar visiting BASU stall at the Agri-Tech expo



Faculty and students of BASU manning the university stall at the Agri-Tech expo.



## Animal Health Camp at Manas Village



Vice Chancellor, BASU Dr. Rameshwar Singh addressing the villagers at the camp



Veterinary experts available for free consultation at the animal health camp



Animal Gynecologist at work



## Animal Health Camp at village Badipur organized by BVC, BASU



Clinicians treating an injured dog at the camp



Diagnostic service by Veterinary experts offered at the doorstep to farmers at Badipur

## Bihar Veterinary College

### (1) Training Programs: (i) Trainings of Farmers/ Livestock Assistants

S. No.	Name of the training	Target group	Sponsoring department	Duration	No. of trainees
1	Refresher Course for Para vets	Livestock Assistants	DAHD, ADH, Bihar Govt	19.06.17 to 24.06.17	29
2	Advanced Animal Husbandry Management	Progressive Farmers	ATMA Muzaffarpur	17.08.17 to 21.08.17	26
3	Integrated Livestock Farming	Progressive Farmers	ATMA Nalanda	05.09.17 to 09.09.17	31
4	Integrated Livestock Farming	Progressive Farmers	ATMA Nalanda	16.09.17 to 20.09.17	31
5	Advanced Animal Husb. Management	Progressive Farmers	ATMA Muzaffarpur	04.10.17 to 08.10.17	39
6	Advanced Animal Husb. Management	Progressive Farmers	ATMA Jehanabad	09.10.17 to 13.10.17	27
7	Advanced Animal Husb. Management	Progressive Farmers	ATMA Arwal	11.12.17 to 15.12.17	34
8	Advanced Animal Husb. Management	Progressive Farmers	ATMA Muzaffarpur	17.12.17 to 22.12.17	35
9	Integrated Livestock Farming	Progressive Farmers	ATMA Nalanda	25.12.17 to 29.12.17	30
10	Commercial Poultry Farming	Progressive Farmers	ATMA Darbhanga	24.02.18 to 28.02.18	30
11	Advanced Integrated Animal Husbandry	Progressive Farmers	ATMA Gaya	05.03.18 to 08.03.18	35
12	Integrated Livestock Farming	Progressive Farmers	ATMA Darbhanga	09.03.18 to 13.03.18	30
13	Advanced Animal Husbandry	Progressive Farmers	ATMA Nalanda	14.03.18 to 18.03.18	38
14	Advanced Animal Husbandry	Progressive Farmers	ATMA Nalanda	19.03.18 to 23.03.18	30
15	Integrated Livestock Farming	Progressive Farmers	ATMA Darbhanga	23.03.18 to 27.03.18	35
<b>Total no. of trainings: = 15; Number of trainees benefitted: 480 Farmers and Livestock Assistants</b>					<b>480</b>

## 3. Television talks

Sl. No.	Name & Designation	Topic	Date of Telecast	Channel / Media
1	Dr. S. K. Rajak Asstt. Prof. Extension	Care and management of pregnant cow	24.07.17	Annadata E-TV Bihar
2	Dr. Pankaj Kumar Asstt. Prof. Extension	Bater Farming	28.07.17	DD Patna, Bihar
3	Dr. S. K. Rajak Asstt. Prof. Extension	Mastitis in dairy animals	03.08.17	Annadata E-TV Bihar
4	Dr. S. K. Rajak Asstt. Prof. Extension	Surra in cattle	05.10.17	Annadata E-TV Bihar
5	Dr. Pankaj Kumar Asstt. Prof. Extension	Care and management of heifer	11.10.17	Annadata E-TV Bihar
6	Dr. S. K. Rajak Asstt. Prof. Extension	Symptoms and prevention of H. S. & B.Q.	29.10.17	Annadata E-TV Bihar
7	Dr. Pankaj Kumar Asstt Prof. Extension	Repeat breeding in cattle	22.11.17	Annadata E-TV Bihar
8	Dr. Pankaj Kumar & Dr. S. K. Rajak, Asstt. Prof. Extension	Phone - in Live Program	25.11.17	DD PATNA
9	Dr. S. K. Rajak Asstt. Prof. Extension	Protection of calves from cold wave	11.12.17	Annadata E-TV Bihar

## Sanjay Gandhi Institute of Dairy Technology

The institute is actively engaged in dissemination of existing as well as developed technologies to the farmers for their upliftment and economic growth. The institute has also been extending consultancy services on an informal basis to dairy entrepreneurs in the state and has been instrumental in encouraging investment in fresh proposals and in up gradation of existing processing facilities in the dairy sector. The institute has planned to setup a consultancy service cell to render the services on a formal basis. Participation in extension programs in adopted villages, Krishi Melas, Agricultural Exhibitions, TV and Radio interviews are a routine affair of the scientists in the institute.

At present, the institute is undertaking extension activities in two adopted villages: (i) Sahalichak near Maner and (ii) Parsa near Naubatpur. A slum area of Phulwari Sharif has also been adopted for carrying out NSS programs of the institute. The students and staff of this institute are providing technical know-how for hygienic / sanitary milk production, animal nutrition and necessary scientific information pertaining to cattle management and improving the milk production. The extension department of the institute has been distributing extension literature and organizing meetings for the benefit of dairy farmers. As a result of these extension activities, milk production in the above mentioned village has increased considerably. The slum dwellers and villagers were encouraged to adopt dairying as an occupation for economic upliftment and improvement in standard of living.

The village Parsa has been adopted by the institute under the scheme 'Mera Gaon Mera Gaurav'. Two teams of scientists of the institute have been constituted to pursue various activities and provide technical assistance and information to the farmers/ dairy farmers of the village.

### Extension publications of the institute:

- (I) दुधार पशुओं का आवास प्रबन्धन ।
- (ii) दुधार पशुओं का आहार प्रबन्धन ।
- (iii) वैज्ञानिक डेरी व्यवसाय की व्यावहारिक जानकारी ।
- (iv) ग्रामीण अंचल में पशु पोषण समस्याएँ एवं समाधान ।
- (v) साल भर हरा चारा क्यों और कैसे पायें ।
- (vi) देशी दुग्ध पदार्थ ।
- (vii) गाँव में वैज्ञानिक तरीके से भैंस कैसे पालें ।
- (viii) स्वच्छ दुग्ध उत्पादन एवं मिलावट की जाँच ।
- (ix) छेना से बनने वाली मिठाइयाँ ।



## Participation of BASU in state level human chain against dowry and child marriage



Vice Chancellor BASU, faculty and students join the state level human chain formation event



Human chain formed by students of BASU to condemn and eradicate evils from the society



## State level training of women on animal husbandry practices and value addition of milk



**Dr. Rameshwar Singh, Vice Chancellor, BASU interacting with the trainees**



**Trainees at course organized by BVC, Patna in collaboration with ATMA, Muzaffarpur**



## Swachhta Abhiyan organized at BVC campus by the NSS Unit of BASU



Vice Chancellor, BASU Dr. Rameshwar Singh flagging off the cleanliness drive at campus



Students participating in the cleanliness campaign at BVC campus



Faculty members participating in the cleanliness drive at BVC campus



**Training of farmers at BVC, Patna in collaboration with ATMA, Nalanda**



## Trainings for farmers at BVC Patna in collaboration with ATMA, Darbhanga



Dr. Rameshwar Singh, Vice Chancellor, BASU addressing the farmers



Dr. Rameshwar Singh, Vice Chancellor, BASU giving a certificate to a trainee



## College of Fisheries

### Workshop

A day long workshop on “Stakeholders' perception on services expected from fisheries graduates” was organized on 5<sup>th</sup> February at Bihar Veterinary College, Patna. Participants drawn from potential employers (Government and non-government agencies); farmers and fishers including representatives of cooperatives and associations, entrepreneurs, fish farm and hatchery operators, civil society groups, retail and whole sale traders and institutions participated in the exercise. The Director, Department of Fisheries (DoF) and a few senior officers of the DOF also participated in the workshop. Needs and expectations about the range and quality of services to be delivered by the fisheries graduates passing out from the College of Fisheries of BASU were determined.

### Farmers' Training / Awareness camp

A day long Farmers' Training was organized at Muzaffarpur Botanical Research Institute (MBRI), Bhatauliya, Muzaffarpur on 16 February, 2018 in collaboration with Motipur Centre of ICAR-CIFE, MBRI and local KVK. A total of 56 farmers participated. An animated video showing various steps of aquaculture was used for the training. Dr. Dilip Kumar, Adviser (Fisheries) of BASU, Dr. Aklakur Rahman (Scientist of ICAR-CIFE) and Mr. Avinash Kumar, Founder of MBRI participated as resource persons. Interested farmers joined the WhatsApp group of aquaculture farmers created by Motipur Centre of ICAR-CIFE for receiving follow up advice.

### Expert consultations

1. Dr. Dilip Kumar, Adviser (Fisheries), BASU was invited as a Resource Person at the Mass awareness campaign on Canal Fisheries Development organized by ICAR-CIFRI under its Tribal sub plan programme in two villages of Sundarban region. The first programme was organized on 18 February 2018 in Amtoli village, Gosaba block of Sunderban, West Bengal. On the following day a similar programme was organized in Kalitala village located in Hingalganj Block of Sunderban.
2. Dr. Dilip Kumar, Adviser (Fisheries) participated in the stocking programme of selected ox-bow lakes of East Champaran District of Bihar by ICAR-CIFRI for technological intervention for development. He visited various sites with the Director ICAR-CIFRI and interacted with stakeholders. He visited the seed farm from where fingerlings were procured for stocking and also inspected the quality of fingerlings.

## **THE UNIVERSITY LIBRARY AND NETWORKING**

The University Library has been fulfilling the needs and requirements of scientists, teachers, extension specialists, students and staff of Bihar Veterinary College, SGIDT, and Livestock Research Station, Patna. The library allows open access to its collection and provides services to its users. A campus - wide Local Area Network has been developed and good connectivity is provided under Seven Nischay Yojana of Bihar Government and BSNL-Broadband. State of the art IT services have been utilized to provide a single point online access to various digital resources and other library services to its users. The library provides access to about 2400 journals in the broad spectrum of Agricultural Sciences including Veterinary Sciences, Animal Husbandry, Livestock Management and Poultry Sciences, Fisheries and Aquaculture, Dairy Technology, Biotechnology, Animal Nutrition and allied subjects through the Consortium for Electronic Resources in Agriculture (CeRA). In addition, links have been given to various open access electronic information resources. The library has CD-ROM Data bases like Beast CD, Parasite CD and Vet CD and integration of KOHA software.

The library had 21, 500 documents on 31<sup>st</sup> March 2018 which included 21, 200 books, 750 M. V. Sc. theses and 10 Ph. D. theses. During the year under report, 187 books were purchased and 15 Indian journals were subscribed. A total of 1579 readers registered with the library and 149 used E-Library. The following services were provided: Reference and information service, text book Book-Bank service, CD-ROM based bibliographical service, reprographic service, digitization of theses and important documents, users' education and internet service.

The SGIDT has a library located in the institute building. The library has a good collection of text books, reference books, a few journals, project reports and internet facility for reference purpose.

## SPORTS ACTIVITIES

Bihar Veterinary College (BVC), Patna and Sanjay Gandhi Institute of Dairy Technology (SGIDT), Patna organised intramural sports activities for outdoor and indoor games. The students of both the colleges participated in Annual Inter College Sports and Athletics meet held at BAU, Sabour, Bhagalpur from 18-20 February 2017. A total of 35 students participated in the meet out of which 25 boys and 10 girl students participated from BVC, Patna and 16 students were from SGIDT, Patna. Team BVC, Patna secured overall 2<sup>nd</sup> position with 4 Gold Medals, 9 Silver Medals and 5 Bronze Medals. Miss Saloni Kumari, a 3<sup>rd</sup> year student of BVC, Patna achieved the 2<sup>nd</sup> position in overall championship in girls' section in the sports meet. The students of SGIDT, Patna also secured 2 Gold, 4 Silver and 3 Bronze medals in the sports meet.

A contingent of 12 BVC, Patna students (7 boys and 5 girls) participated in All India Veterinary Colleges Badminton and Table-Tennis Tournament and All India Professional Quiz Competition held at G.B. Pant University of Agriculture and Technology, Pantnagar from 23<sup>rd</sup> -25<sup>th</sup> March 2017. On the occasion of Independence Day 2017, events like - Badminton, Table-Tennis and Musical Chair - were organised for students of BVC and SGIDT, whereas Tug-of-War was played between the students and faculty members.

### BVC, Patna: The List of Winners

Sl. No.	Name of the event	Winner
1.	Badminton Singles (Boys)	Sandeep Kumar Singh
2.	Badminton Doubles (Boys)	Sandeep Kumar Singh & Raushan Kumar Sharma
3.	Table-Tennis Singles (Boys)	Dr. Ranjan Parth Sarthi
4.	Table -Tennis Doubles (Boys)	Dr. Ranjan Parth Sarthi & Dr. Md. Armanullah
5.	Badminton Singles (Girls)	Saloni Kumari
6.	Badminton Doubles (Girls)	Saloni Kumari & Ankita Kumari
7.	Table-Tennis Singles (Girls)	Dr. Sushma Suman
8.	Table-Tennis Doubles (Girls)	Dr. Sushma Suman & Pinki Priya

### SGIDT, Patna: The List of Winners

Sl. No.	Name of Event	Winner
1.	Badminton Singles (Boys)	Avinash Chandra Gautam
2.	Badminton Doubles (Boys)	Avinash Chandra Gautam & Meerajuddin
3.	Table -Tennis Singles (Boys)	Avinash Chandra Gautam
4.	Table-Tennis Doubles (Boys)	Avinash Chandra Gautam & Meerajuddin
5.	Badminton Singles (Girls)	Shilpa Singh



1<sup>st</sup> – Saloni Kumari

2<sup>nd</sup> – Sonali Singh

3<sup>rd</sup> – Dezi Kumari

### **Tug of War:**

**Winner**

Faculty of BVC, Patna

**Runner**

Students

### **National Service Scheme**

The NSS unit of BVC conducted the 'Clean Campus Green Campus' program on January 17, 2017. NSS Students and faculties also participated in the world's largest human chain in support of prohibition and to make Bihar intoxicant-free on 21<sup>st</sup> January 2017. Students participated in "Swachhata Abhiyan" at BVC campus on 27<sup>th</sup> August 2017 in the college premises. NSS Students and faculties also participated in the human chain on 21<sup>st</sup> January 2018 to spread awareness against social evils like child marriage and dowry to build an atmosphere against these social evils. The NSS unit also organized the "Yoga shivir" for teachers, students and staff members.



**Students at the Annual Inter College Sports**



**Students receiving the prize at the Sports Meet**



**Team BVC with the trophy for their overall 2nd position**



**Students on the Victory Stand**



## ESTATE AND INFRASTRUCTURE DEVELOPMENT

### Infrastructure developed during the year 2017-18

Proposal for a separate University building is in process and funds have been allocated by the Department of Animal Husbandry, Bihar for construction of required infrastructure. The university has added two new buildings-One for library and the other for different departments of Veterinary faculty. One new Girls' Hostel for Sanjay Gandhi Institute of Dairy Technology has also been added. The university has planned to provide solar plant in college buildings such as in P. G. Hostel. The university has provided CCTV cameras in the university library and Girls' Hostel.

New equipment have been installed in TVCC, which will be helpful in diagnosis and treatment of animals. These include Veterinary pulse oxymeter, Intestinal clamp, Vertical autoclave, Hydraulic table for small animals, Electrocautery unit, Laminar flow work station, Oxygen cylinder, Air conditioner, Autoclave, Water bath with stirrer, 'V' top table for laparoscopy, Hopkins telescope, Theloresectoscope sheath, Trocar, Silicone tabling set, Autocon surgical unit set with pedal foot switch, Connecting table and Precision Gold Balance. A Dental Lab has been established in the TVCC for caring and treatment of teeth of animals.

### Strengthening of labs

For the strengthening of labs and smooth functioning of teaching and practical classes, the university has provided new equipment in different departments of the Veterinary and Dairy Science colleges.

### SGIDT

The SGIDT, Patna has the main building comprising three blocks of 3186 sq. meter floor area housing sections for different activities of the institute. Additionally, a lecture theater complex of 616 m<sup>2</sup> having one large auditorium like hall of 175 seating capacity on the ground floor and two lecture halls of 48 seating capacity each on first floor with all modern facilities are being constructed. The table shows availability of space, lecture theater, staff quarter and dairy plant.

Sl.No.	Building	Present status	Area (m <sup>2</sup> )
1.	Institute Building	Constructed	3186
2.	Boys' Hostel	Constructed	2214
3.	Girls' Hostel	Constructed	316
4.	Staff Quarters	Constructed	1580
5.	Lecture theatre complex	Under construction	616
6.	Dairy Plant Building	Under construction	935
<b>Total area</b>			<b>8847.0</b>

### Computer and Internet Facility

The Department of Dairy Business Management of the institute has a well-equipped computer lab with LAN and internet facilities. Staff rooms and various laboratories have also been provided with internet connection through LAN. The institute has a Wi-fi network covering the whole campus. Faculty members, students and staff use this laboratory for training/ teaching, computation, report preparation and surfing the net for academic activities. Most of the faculty members of the institute have been connected with the local area network (LAN) and Wi-fi Network of the institute to have broadband internet access and other services at their desktop.

### Language Lab

A language lab is also being established in the Department of Business Management to improve communication skills of the students who come from the schools where medium of instruction is Hindi.

### Class Rooms

The institute has three air conditioned class rooms having audio visual presentation equipment and modern facilities. A new lecture theatre complex is under construction that includes one large hall on ground floor of 175 seats that may be utilized as auditorium as well as for organizing seminars, meetings etc. Two 48 seater lecture halls on first floor with all modern audio visual facilities and acoustics are also coming up.

### Laboratories

The institute has well equipped laboratories to cater to the needs of the students for conducting practical classes and carrying out research projects by the scientists.

#### **The main laboratories of the institute are:-**

1. Central Fine Instruments Laboratory
2. Dairy Engineering Laboratory
3. Dairy Technology Laboratory
4. Dairy Chemistry Laboratory
5. Dairy Microbiology Laboratory
6. Dairy Business Management including Computer Laboratory and Language Lab (being established).
7. Dairy Extension Laboratory and Dairy Husbandry Lab.

## TRAINING PROGRAMS ATTENDED BY THE FACULTY

### BIHAR VETERINARY COLLEGE

Sl. no.	Name of the Scientist	Duration	Venue	Sponsor	Title
1.	Dr. C. S. Azad Assistant Professor, Veterinary Gynecology and Obstetrics	24 <sup>th</sup> Oct-13 <sup>th</sup> Nov, 2017	Guru Angad Dev Veterinary and Animal Science University, Ludhiana, Punjab	Center for Advanced Faculty Training (CAFT), ICAR	Selection of superior sires, prebreeding evaluation of quality semen production and fertility optimization in dairy animals: an update
2.	Dr. Amrendra Kishore Assistant Professor, Livestock Production Management	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Hatchery in-charge, small poultry farmer
3.	Dr. C. S. Azad Assistant Professor, Veterinary Gynecology and Obstetrics	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of A.I. Technician
4.	Dr. D. Sengupta Assistant Professor, Veterinary Gynecology and Obstetrics	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of A.I. Technician
5.	Dr. Pankaj Kumar Assistant Professor, Veterinary Extension Education	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Small Poultry Farmer

6.	Dr. S. P. Sahu Assistant Professor, Livestock Production Management	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Goat Farmer
7.	Dr. S. K. Rajak Assistant Professor, Veterinary Extension Education	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Layer Farm Worker
8.	Dr. Anil Kumar, Assistant Professor, Teaching Veterinary Clinical Complex	30 <sup>th</sup> Oct- 19 <sup>th</sup> Nov, 2017	Bihar Veterinary College, Patna	ICAR, New Delhi	New Initiative for Veterinary Extension, ARYA, Farmer First and MGMG
9.	Dr. P. Kaushik Assistant Professor, Veterinary Public Health	6 <sup>th</sup> -10 <sup>th</sup> Mar, 2018.	Nagpur Veterinary College, Nagpur	ICAR -Niche Area of Excellence Project on "Centre for Zoonoses"	National Training Program on Genomics and zoonoses research
10.	Dr. P. Kaushik Assistant Professor, Veterinary Public Health	13 <sup>th</sup> -15 <sup>th</sup> Nov, 2017.	Hyderabad	MANAGE, Hyderabad	Improving e-Governance in Agriculture
11.	Dr. P. Kaushik Assistant Professor, Veterinary Public Health	7 <sup>th</sup> to 27 <sup>th</sup> Feb, 2018.	Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar	Center for Advanced Faculty Training (CAFT), ICAR	Diagnosis and control of emerging and re - emerging trans-boundary diseases of poultry
12.	Dr. R. K. Nirala, Assistant Professor, Veterinary Pharmacology & Therapeutics	15 <sup>th</sup> -17 <sup>th</sup> Mar, 2018	Bihar Veterinary College, Patna	Indian Agricultural Statistics Research Institute, New Delhi	Basic Statistical Computing Procedures for Analysis of Experimental Data
13.	Dr. Sanjay Kumar, Assistant Professor,	30 <sup>th</sup> Oct. to 19 <sup>th</sup> Nov, 2017	Bihar Veterinary College, Patna	ICAR, New Delhi	New initiative for Veterinary extension



	Livestock Production Management					ARYA, Farmer First and MGMG
14.	Dr. Ravi Ranjan Kumar Sinha, Assistant Professor, Livestock Production Management	7 <sup>th</sup> to 27 <sup>th</sup> Feb, 2018.	Centre of Advanced Faculty Training in Avian Sciences, VCRI, Namakkal, Tamil Nadu	Center for Advanced Faculty Training (CAFT), ICAR	Advances in Poultry Production and its impact on changing global scenario	ARYA, Farmer First and MGMG
15.	Dr. Ravi Ranjan Kumar Sinha, Assistant Professor, Livestock Production Management	15 <sup>th</sup> - 17 <sup>th</sup> Mar, 2018	Bihar Veterinary College, Patna	Indian Agricultural Statistics Research Institute, New Delhi	Basic Statistical Computing Procedures for Analysis of Experimental Data	ARYA, Farmer First and MGMG
16.	Dr. Deepak Kumar Assistant Professor, Veterinary Pathology	15 <sup>th</sup> - 17 <sup>th</sup> Mar, 2018	Bihar Veterinary College, Patna	Indian Agricultural Statistics Research Institute, New Delhi	Basic Statistical Computing Procedures for Analysis of Experimental Data	ARYA, Farmer First and MGMG
17.	Dr. Deepak Kumar Assistant Professor, Veterinary Pathology	30 <sup>th</sup> Oct. to 19 <sup>th</sup> Nov, 2017	Bihar Veterinary College, Patna	ICAR, New Delhi	New initiative for Veterinary extension	ARYA, Farmer First and MGMG
18.	Dr. Ranveer Kumar Sinha Assistant Professor Veterinary Medicine	30 <sup>th</sup> Oct - 19 <sup>th</sup> Nov, 2017	Bihar Veterinary College, Patna.	ICAR, New Delhi	New initiative for Veterinary extension, ARYA, Farmer First and MGMG	ARYA, Farmer First and MGMG
19.	Dr. Anjay Assistant Professor Veterinary Public Health	7 <sup>th</sup> - 27 <sup>th</sup> Feb, 2018	Department of Veterinary Microbiology, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar	Center for Advanced Faculty Training (CAFT), ICAR	Diagnosis and control of emerging and re-emerging trans-boundary diseases of poultry	ARYA, Farmer First and MGMG

20.	Dr. P. Kaushik Assistant Professor Veterinary Public Health	6 <sup>th</sup> -10 <sup>th</sup> Mar, 2018	College of Veterinary Sciences, Nagpur	Center of Excellence for Zoonoses	National Training on Genomics and Zoonoses Research
21.	Dr. Anil Gattani Assistant Professor Animal Physiology	9 <sup>th</sup> - 29 <sup>th</sup> Jan, 2018	IVRI, Izatnagar, Bareilly (U.P.)	Center for Advanced Faculty Training (CAFT), ICAR	Recent advances in stress genomics for livestock production
22.	Dr. Saroj Rajak Assistant Professor Veterinary Extension Education	30 <sup>th</sup> - 19 <sup>th</sup> Nov. 2017	Bihar Veterinary College, Patna	ICAR sponsored winter school	New Initiative for Veterinary Extension, ARYA, Farmer First and MGMG
23.	Dr. Saroj Rajak Assistant Professor Veterinary Extension Education	4 <sup>th</sup> - 24 <sup>th</sup> July, 2017	Department of Extension Education, Bihar Agricultural College, Sabour	ICAR sponsored Summer School	Use of ICT in Agricultural Education for Accelerated Learning
24.	Dr. Sanjay Kumar Assistant Professor, Livestock Production Management	30 <sup>th</sup> Oct. - 19 <sup>th</sup> Nov. 2017	Bihar Veterinary College, Patna	ICAR sponsored Winter School	New initiative for Veterinary Extension, ARYA, Farmer First and MGMG
25.	Dr. S.P. Sahu Assistant Professor Livestock Production Management	6 <sup>th</sup> - 26 <sup>th</sup> March, 2017	National Dairy Research Institute, Karnal	Center for Advanced Faculty Training (CAFT), ICAR	Skill development for sustainable livestock productivity in the genomic era
26.	Dr. S.P. Sahu Assistant Professor Livestock Production Management	4 <sup>th</sup> - 24 <sup>th</sup> July, 2017	Bihar Agricultural University, Sabour (Bhagalpur)	ICAR Sponsored Summer School	Use of ICT in agricultural education for accelerated learning

27.	Dr. R. K. Sharma Assistant Professor Veterinary Parasitology	15 <sup>th</sup> -17 <sup>th</sup> Mar, 2018	Bihar Veterinary College, Patna	Indian Agricultural Statistics Research Institute, New Delhi	Basic Statistical Computing Procedures for Analysis of Experimental Data
28.	Dr. Sudha Kumari Assistant Professor Veterinary Microbiology	15 <sup>th</sup> -17 <sup>th</sup> Mar, 2018	Bihar Veterinary College, Patna	Indian Agricultural Statistics Research Institute, New Delhi	Basic Statistical Computing Procedures for Analysis of Experimental Data
29.	Dr. Savita Kumari Assistant Professor Veterinary Microbiology	15 <sup>th</sup> -17 <sup>th</sup> Mar, 2018	Bihar Veterinary College, Patna	Indian Agricultural Statistics Research Institute, New Delhi	Basic Statistical Computing Procedures for Analysis of Experimental Data
30.	Dr. Anjay Assistant Professor Veterinary Public Health	13 <sup>th</sup> -15 <sup>th</sup> Nov., 2017	Hyderabad	MANAGE, Hyderabad	Training cum workshop on Improving e-Governance in Agriculture

### Master Trainer program by ASCI at BVC, Patna



Dean, Bihar Veterinary College, Dr. S. Samantaray giving certificates to the Master Trainers



Trainees of the Master Trainer program with Vice Chancellor, BASU, Dr. Rameshwar Singh



### Disaster management course for Veterinary students



NDRF team training veterinary students in disaster management techniques



Veterinary students trained in disaster management at BVC, Patna with the Vice Chancellor



**National Conference on Livelihood and Food Security organized at  
BVC, BASU Patna**



**Sh. Prem Kumar, Minister of Agriculture, Bihar lighting a lamp at the inauguration**



**Sh. Prem Kumar, Minister of Agriculture, releasing a publication**



**Sh. Prem Kumar, Minister of Agriculture, Bihar addressing the national conference**



## **ICAR Winter School organized at Bihar Veterinary College, Patna**



**Participants and experts of the ICAR Winter School with the Vice Chancellor, BASU**

### Sanjay Gandhi Institute of Dairy Technology

S.N.	Name of the scientist	Duration	Venue	Sponsor	Title
1	Dr. J. Badshah University Professor, Dairy Engineering	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Chilling Plant Technician
2	Dr. J. Badshah University Professor, Dairy Engineering	21 <sup>st</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Bulk Milk Cooler
3	Dr. A. K. Jha Assistant Professor, Dairy Business Management	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Milk Collection Center In-charge
4	Dr. A. K. Jha Assistant Professor, Dairy Business Management	21 <sup>st</sup> to 22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Dairy Farmer/Entrepreneur
5	Dr. Rakesh Kumar Associate Professor, Dairy Microbiology	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Milk Collection Center In-charge
6	Dr. Rakesh Kumar Associate Professor, Dairy Microbiology	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Bulk Milk Cooler
7	Dr. Rakesh Kumar Associate Professor, Dairy Microbiology	20 <sup>th</sup> -22 <sup>nd</sup> Sept, 2017	Bihar Veterinary College, Patna	Agriculture Skill Council of India	Domain Skill and Platform Skill Training under Master Trainer Program for the job role of Dairy Farmer/Entrepreneur
8	Dr. A. K. Jha Assistant Professor, Dairy Business Management	13 <sup>th</sup> - 15 <sup>th</sup> Nov, 2017	Hyderabad	MANAGE, Hyderabad	Improving e Governance in Agriculture

9	Dr. A. K. Jha Assistant Professor, Dairy Business Management	15 <sup>th</sup> -17 <sup>th</sup> Mar, 2018	Bihar Veterinary College, Patna	Indian Agricultural Statistics Research Institute, New Delhi	Basic Statistical Computing Procedures for Analysis of Experimental Data
10	Dr. Rakesh Kumar Associate Professor, Dairy Microbiology	15 <sup>th</sup> -17 <sup>th</sup> Mar, 2018	Bihar Veterinary College, Patna	Indian Agricultural Statistics Research Institute, New Delhi	Basic Statistical Computing Procedures for Analysis of Experimental Data
11	Dr. Sanjeev Kumar Associate Professor, Dairy Technology	15 <sup>th</sup> -17 <sup>th</sup> Mar, 2018	Bihar Veterinary College, Patna	Indian Agricultural Statistics Research Institute, New Delhi	Basic Statistical Computing Procedures for Analysis of Experimental Data
12	Dr. Bipin Kumar Singh Assistant Professor, Dairy Technology	15 <sup>th</sup> -17 <sup>th</sup> Mar, 2018	Bihar Veterinary College, Patna	Indian Agricultural Statistics Research Institute, New Delhi	Basic Statistical Computing Procedures for Analysis of Experimental Data

# Trainings ORGANIZED

## **Training of Master Trainers**

A two days' training of master trainers was conducted through Agriculture Skill Council of India (ASCI). Training programs for different job roles was conducted at BVC, Patna from 20-22 September, 2017.

## **Certificate Course in Artificial Insemination**

Bihar Veterinary College, Patna has been organizing 6 months' Artificial Insemination (AI) certificate course for unemployed youths for self-employment and fulfilling the huge demand of AI Experts in rural Bihar. These courses are all full time residential courses.

## **ICAR sponsored Winter School**

The Department of Extension Education, Bihar Veterinary College, Patna organized a 21 days' Winter School entitled "*New Initiative for Veterinary Extension, ARYA, Farmer First and MGMG*" from 30<sup>th</sup> October, 2017 to 19<sup>th</sup> November, 2017.

## **Young Authors' Workshop**

A three days' Young Authors' Workshop for students was organized at Bihar Veterinary College, Patna from 12<sup>th</sup>-14<sup>th</sup> May, 2018.

## **Animal Disaster Management course**

Animal Disaster Management certificate course for students of Bihar Veterinary College, Patna was conducted from 03.05.2018 to 08.05.2018 by Veterinary Emergency Response Unit (VERU) of Bihar Animal Sciences University, Patna. Twenty-three students of 4<sup>th</sup> year of BVSc & AH completed the course successfully.

Under this program the students were exposed to five days' theory classes on animal disaster lecture module and one-day simulation exercise at 9<sup>th</sup> Bn, NDRF Bihta and got hands on training on management of wildlife animals in emergencies by experts of WWF. This program for specialized training on disaster management to Veterinary students is the first of its kind in India.

The VERU certificate course is organized regularly by VERU, BVC and World Animal Protection (WAP), India. The program was attended by the Hon'ble Vice-Chancellor, BASU, Director Extension and Dean, BVC, Patna.

## **CONFERENCE ORGANIZED**

A National Conference on Livelihood and Food Security was organized on 27-28 January, 2018 at BVC, Patna jointly with SAID, Ranchi. About 580 participants from all over the country participated in the conference.



**INVITED LECTURES DELIVERED BY THE FACULTY**

<b>Name of the faculty member</b>	<b>Title of the lecture</b>	<b>Place and date</b>	<b>Name of the inviting agency / organization</b>
Dr. Savita Kumari	Common anti-microbial agents effective against uterus specific bacteria	BVC, Patna 14.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr. Pankaj Kumar	General bacterial diseases affecting reproduction in cattle	BVC, Patna 12.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr Anil Kumar	Disease and health management in goats	Biskoman Bhawan, Patna, 1.07.2017	Jeevika, Patna
	Common diseases of livestock	BVC, Patna 5.12.2017	BVC in collaboration with ATMA
Dr. Rakesh Kumar	Present and future prospect of dairying business in Bihar	BAMETI, Patna 16.10., 2017	National Seminar on "Role of dairying in doubling farmer's income" Dairy Technocrats' Association, Patna, & SGIDT, Patna
	Role of dairying and animal husbandry in the socioeconomic development of rural area	KVK, Arwal 05-09-2017	KVK, Arwal
	Role of dairy co-operative societies in improving financial status of dairy farmers	Khaira village, Arwal 12-09-2017	Magadh Milk Union, Gaya
	Organized Dairy Farming business and its feasibility in rural economy	KVK, Arwal 10-11-2017	Jointly organized by KVK, Arwal, District Agriculture Office, Arwal and ICAR, New Delhi
	Technological Advancement and Techniques for Improving Dairy Farmers' Income	BVC, Patna 15.12.2017	ICAR Winter School at BVC, Patna
	Identification and maintenance of original germplasm of indigenous milch animals and its impact on dairy business	KVK, Ara 20.04.2018	KVK, Ara
Dr. Pankaj Kumar	Dairy Entrepreneurship Development	DNS, Patna, 14.05.2017	DNS-RICM, Patna
	Goat Farming	Harnaut, Nalanda 20.06.2017	Kshitiz Agrotech, Nalanda
	Goat farm practices	Biskoman Bhawan, Patna, 02.07.2017	Jeevika, Patna

	Organic Dairy Farming	DNS, Patna, 20.08.2017	DNS-RICM, Patna
	Quail Farming Practices	Damodarpur, Motihari 8.12.2017	ICAR-NRC-L Muzzafarpur
	Extension Teaching Learning Process	BVC, Patna 9.12.2017	BVC-ICAR Summer School
	Communication & Diffusion of Agriculture Innovation	BAMETI, Patna 12.09.2017	BAMETI-MANAGE, Hyderabad
	Market led extension	BAMETI, Patna 13.09.2017	BAMETI-MANAGE, Hyderabad
	Adoption and demonstration process	ATMA, Muzzaffarpur 18.02.2018	ATMA -Muzzaffarpur
	Extension approaches for sustainable livestock development	Barh, Patna 12.03.2018	Farmers Youth Foundation, Patna
	Planning and development for extension personnel	ATMA training Centre 20.03.2018	ATMA -Muzzaffarpur
Dr. Saroj Kumar Rajak	Importance of first aid for livestock	Department of Extension Education, BVC, Patna 20.06.2017	DAHD, Govt. of Bihar
	Water management for cattle and buffaloes	Department of Extension Education, BVC, Patna 17.08.2017	ATMA, Muzaffarpur
	Advantages of integrated livestock farming	Department of Extension Education, BVC, Patna 08.09.2017	ATMA, Nalanda
	Vaccination of large animals	Department of Extension Education, BVC, Patna 06.10.2017	ATMA, Muzaffarpur
	Signs and symptoms of Hemorrhagic Septicaemia in animals	Department of Extension Education, BVC, Patna 09.10.2017	ATMA, Jehanabad
	Signs and symptoms of Foot and Mouth Disease in animals	Department of Extension Education, BVC, Patna 14.12.2017	ATMA, Arwal
	Importance of vaccination in livestock	Department of Extension Education, BVC, Patna 18.12.2017	ATMA, Muzaffarpur
	Advantages of integrated livestock farming	AHEE, BVC, Patna 27.12.2017	ATMA, Nalanda

	Advantages of integrated livestock farming	Department of Extension Education, BVC, Patna, 07.03.2018	ATMA, Gaya
	Signs and symptoms of H.S. and B.Q. in animals	Department of Extension Education, BVC, Patna, 15.03.2018	ATMA, Nalanda
	Importance of vaccination in livestock	Department of Extension Education, BVC, Patna, 19.03.2018	ATMA, Nalanda
Dr. Ramesh Tiwary	Animal nutrition management in zoos	Sanjay Gandhi Biological Park 13.12.2017	Central Zoo Authority, Govt. of India
Dr. Nirbhay Kumar Singh	Pelvic bone and its relationship with female genitalia	BVC, Patna 4.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr. S. Bharti	Testes, its physiology and anatomy	BVC, Patna 8.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr. Manoj Singh	Male accessory organs	BVC, Patna 5.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr. Manoj Sinha	Mammary gland and its relation with reproduction	BVC, Patna 6.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr Kaushalendra	Ration for a heifer and lactating cow for resumption of estrus cycle	BVC, Patna 9.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr.Chandram oni	Types of animal feed-concept of TDN and DCP	BVC, Patna 6.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr. Ramesh Kumar	Cross breeding - its advantages and disadvantages	BVC, Patna 4.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr. K.G. Mondal	Different milch breeds of cow in India and abroad	BVC, Patna 5.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr. Manoj Kumar	General viral diseases affecting reproduction in cattle	BVC, Patna 11.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna
Dr. Sudha Kumari	Specific bacterial pathogens of bovine reproductive tract	BVC, Patna 13.12.2017	Certificate Course in AI, Department of ARGO, BVC, Patna

Dr. J. Badshah, Dr. A K Jha & Dr. Rakesh Kumar	Doubling farmers income: Role of dairy farming, value addition and marketing system	BAMETI, Patna 16.10.2017	National Seminar on "Role of dairying in doubling farmer's income" Dairy Technocrats' Association, Patna, & SGIDT, Patna
Dr. Sanjeev Kumar	Role of dairy processing for enhancing income from milk	BVC, Patna 23.10.2017	Workshop on animal husbandry intervention for doubling farmers income, BVC, Patna
	Knowledge level of women dairy farmers in operational area of KVK about scientific dairy farming practices	BAU, Sabour 5-6 August, 2017	National Convention on Women Empowerment: Challenges and Strategies, BAU, Sabour
	Technology of fresh cheeses	BAMETI, Patna 16-17 October, 2017	National Seminar on "Role of dairying in doubling farmers income" Dairy Technocrats' Association, Patna & SGIDT, Patna
	Comparative studies of compositional, sensory, biochemical and textural characteristics of cow and buffalo milk feta cheeses	Kochi, Kerala 8-10 <sup>th</sup> February 2018	46 <sup>th</sup> Dairy Industry Conference, ILDEX, Kochi, Kerala
	Recent Development of Dried Fermented Milk Products	Jan, 27-28, 2018, at BVC, Patna	National conference on Livelihood Food Security
Dr. Manoj Kumar	Important infectious diseases of goat and their prevention	Biskoman Bhawan, Patna, 1.07.2017	Jeevika, Patna
	Nodal Officers orientation programme on FMD vaccination and mass deworming	Institute of Animal Health and Production, B.V.C., Patna 8.04.2018	Department of Animal Husbandry, Bihar



**PARTICIPATION OF FACULTY IN CONFERENCES / SYMPOSIA****Bihar Veterinary College, Patna**

<b>S. No</b>	<b>Name of Faculty</b>	<b>Dates during which held</b>	<b>Name of the organizing agency and place</b>	<b>Name of the Training/ Conference / Symposium / Workshop /</b>
1.	Dr. Ranveer Kumar Assistant Professor Veterinary Medicine	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
2.	Dr. Amrendra Kishore Assistant Professor Livestock Production Management	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for agriculture innovation and development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
3.	Dr. Sudha Kumari Assistant Professor Veterinary Microbiology	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for agriculture innovation and development, Ranchi and Bihar Veterinary College, Patna	National conference on Livelihood & Food Security
4.	Dr. Savita Kumari Assistant Professor Veterinary Microbiology	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for agriculture innovation and development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
5.	Dr. P. Kaushik Assistant Professor Veterinary Public Health	11 <sup>th</sup> -13 <sup>th</sup> Oct, 2017	Indian Association of Veterinary Public Health specialist, CVS, SVVU, Tirupati	National Symposium on Intersectoral Approaches to Combat Zoonoses: Strategies and Challenges
6.	Dr Sushma Kumari Assistant Professor Livestock Product Technology	5-6 <sup>th</sup> Aug. 2017	BAU, Sabour, Bhagalpur	National Convention on Women Empowerment: Challenges and Strategies
7.	Dr Sushma Kumari Assistant Professor Livestock Product Technology	16.10.2017	SGIDT, Patna	Conference on Role of Dairying in Doubling Farmer's Income

8.	Dr Sushma Kumari Assistant Professor Livestock Product and Technology	27 <sup>th</sup> -28 <sup>th</sup> Jan. 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
9.	Dr. Mithilesh Kumar Assistant Professor Veterinary Surgery and Radiology	27 <sup>th</sup> -28 <sup>th</sup> Jan. 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
10.	Dr. S.P. Sahu Assistant Professor Livestock Production Management	27 <sup>th</sup> - 28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
11.	Dr. S.P. Sahu Assistant Professor Livestock Production Management	11 <sup>th</sup> -13 <sup>th</sup> April, 2018	S. K. Dantiwara Agricultural University, Sardar Krushinagar (Gujarat)	National Seminar on Smallholders Livestock Producers' in India: Opportunities and Challenges
12.	Dr. Pramod Kumar Assistant Professor Veterinary Physiology	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
13.	Dr. K.G. Mandal University Professor, Animal Genetics and Breeding	1 <sup>st</sup> -4 <sup>th</sup> Feb, 2018	CIRB, Hisar ( Haryana)	1X Asian Buffalo Congress, ICAR-Central Institute for Research on Buffalo
14.	Dr. Archana Assistant Professor Veterinary Pharmacology and Toxicology	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
15.	Dr. Archana Kumari Assistant Professor Veterinary Surgery and Radiology	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security

16.	Dr. Archana Kumari Assistant Professor Veterinary Surgery and Radiology	29 <sup>th</sup> -31 <sup>st</sup> Mar, 2018	Society for Agriculture Innovation and Development, Ranchi	International Conference on Food and Agriculture
17.	Dr. Anjana Assistant Professor Veterinary Pharmacology and Toxicology	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
18.	Dr. Rashmi Rekha Assistant Professor Veterinary Pharmacology and Toxicology	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
19.	Dr. R. K. Sharma Assistant Professor Parasitology	16 <sup>th</sup> - 17 <sup>th</sup> Oct, 2017	Dairy Technocrats Association, SGIDT atBAMETI, Patna	National Conference on Role of Dairying in Doubling farmers' Income
20.	Dr. R. K. Sharma Assistant Professor Veterinary Parasitology	27 <sup>th</sup> - 28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary Patna	National Conference on Livelihood & Food Security
21.	Dr. R. K. Sharma Assistant Professor Veterinary Parasitology	12 <sup>th</sup> -14 <sup>th</sup> Feb, 2018	College of Veterinary and Animal Science, Navania, Udaipur, Rajasthan	XXVII National Congress of Veterinary Parasitology and National Symposium on "Technologies for Sustainable Parasite Control and Redressal of Detection Methods Directed for Upliftment of Rural Economy"
22.	Dr. Manoj Kumar Assistant Professor Veterinary Microbiology	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security

### Sanjay Gandhi Institute of Dairy Technology

1.	Dr J. Badshah University Professor	October 16 -17, 2017	Dairy Technocrats Association, SGIDT, Patna (Bihar Animal Sciences University, Patna)	National Conference on Role of Dairying in Doubling Farmers' Income
2.	Dr J. Badshah University Professor	27 <sup>th</sup> - 28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
3.	Dr. Sanjeev Kumar Associate Professor, SGIDT, Patna	27 <sup>th</sup> - 28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
4.	Dr. Sanjeev Kumar Associate Professor, SGIDT, Patna	16 <sup>th</sup> -17 <sup>th</sup> Oct,	BAMETI, Patna	National Seminar on Role of Dairying in Doubling Farmers income
5.	Dr. Sanjeev Kumar Associate Professor	5 <sup>th</sup> - 6 <sup>th</sup> , Aug 2017	BAU, Sabour	National Convention on Women Empowerment: Challenges and Strategies
6.	Dr. Sanjeev Kumar Associate Professor, SGIDT, Patna	8 <sup>th</sup> - 10 <sup>th</sup> Feb., 2018	ILDEX, Kochi, Kerala	46 <sup>th</sup> Dairy Industry Conference
7.	DR. Binita Rani Associate Professor	14 <sup>th</sup> -15 <sup>th</sup> January, 2017	Samagra Vikas Welfare Society and Annapurna Life Organic Foods Pvt. Ltd.	International Seminar on Agriculture and Food for Inclusive Growth and Development at NBRI, Lucknow
8.	Dr. Binita Rani Associate Professor	25 <sup>th</sup> June, 2017	International Journal of Tropical Agriculture and Serials Publications Pvt. Ltd., New Delhi	International Conference on Agriculture, Horticulture and Plant Sciences at Rishikesh, Uttarakhand
9.	Dr. Binita Rani Associate Professor	5 <sup>th</sup> -6 <sup>th</sup> August, 2017	BAU, Sabour, Bhagalpur, Bihar	National Conference on Women Empowerment; Challenges and Strategies
10.	Dr. Binita Rani Associate Professor	28 <sup>th</sup> -30 <sup>th</sup> November, 2017	BAU, Sabour, Bhagalpur, Bihar	ISEE National Seminar- 2017 on Doubling Farmers Income and



				Farm Production through Skill Development and Technology Application
11.	Dr. Binita Rani Associate Professor	16 <sup>th</sup> -17 <sup>th</sup> October 2017	BAMETI, Patna	National Conference on Role of Dairying in Doubling Farmers Income
12.	Dr. Binita Rani Associate Professor	27 <sup>th</sup> - 28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security
13.	Dr. A.K. Jha Assistant Professor	16 - 17 October, 2017	Dairy Technocrats Association, SGIDT, Patna	National Conference Role of Dairying in Doubling Farmers Income
14.	Dr. A. K. Jha Assistant Professor	27 <sup>th</sup> -28 <sup>th</sup> Jan, 2018	Society for Agriculture Innovation and Development, Ranchi and Bihar Veterinary College, Patna	National Conference on Livelihood & Food Security

### Dr. Bhimrao Ambedkar Jayanti Celebrated at BASU



Floral tribute to Dr. Ambedkar by Dr. Rameshwar Singh, VC, BASU



Dr. Rameshwar Singh, VC, BASU addressing the students and faculty on the occasion



## Young Authors' Workshop organized by BASU



Vice Chancellor, BASU Dr. Rameshwar Singh giving his inaugural speech at the workshop



Dr. Rameshwar Singh, Vice Chancellor, BASU being interviewed by the students of BASU



## Celebration of World Veterinary Day at BASU, Patna



Awareness Rally by students and faculty of BASU organized on World Veterinary Day



Minister of Animal Husbandry, Dairying & Fisheries Mr. Pashupati Paras greets BASU vets



Human chain formed by veterinary students and faculty of BASU on World Veterinary Day



### **Dog show organized at Bihar Veterinary College, BASU**



**Inauguration of the dog show jointly by a distinguished veterinarian of Bihar and the Vice Chancellor of BASU**



**A trained dog of NDRF presenting a flower basket to the Vice Chancellor, BASU**



## Republic Day celebration at BASU, Patna



**Vice Chancellor, BASU Dr. Rameshwar Singh unfurling the national flag**



**BASU faculty and students attend national anthem after the flag hoisting ceremony**



**Faculty members and their families participated in the Republic Day celebrations**



### **Celebration of 91<sup>st</sup> Foundation Day of Bihar Veterinary College, Patna**



**Vice Chancellor, BASU Dr. Rameshwar Singh lighting the lamp on Foundation Day of BVC**



**Dr. Rameshwar Singh, Vice Chancellor, BASU felicitating the Agriculture Production Commissioner, Bihar Shri Sunil Kumar Singh on the Foundation Day of BVC**



1. Dr. Dilip Kumar, Adviser (Fisheries) delivered a Keynote lecture in the National Seminar on “Improving Income of Farmers through Agriculture and Aquaculture through Development Interventions” organized by the Association of Aquaculturists (AoA) and Director ICAR-CIFA, Bhubaneswar in collaboration with the Society of Krishi Vigyan, on 5-7 January 2017.
2. Dr. Dilip Kumar, Adviser (Fisheries), BASU was invited as the Guest of Honour and chaired the technical session in the National Workshop on “Antimicrobial Resistance and Alternatives to Antibiotic Use in Aquaculture” on 12-13 March 2018 at ICAR-CIFA, Bhubaneswar.
3. Dr. Dilip Kumar, Adviser (Fisheries) participated in the workshop on “Perspective of Fisheries through Business and Aqua-entrepreneurship led Development in Uttar Pradesh” organized by ICAR-CIFRI, Lucknow in collaboration with the Centre for Agriculture and Rural Development (CARD), New Delhi on 10 April, 2018. He delivered a lecture on the overall theme of the workshop.
4. National Stakeholders' Consultation on “National Inland Fisheries and Aquaculture Policy” (NIFAP) was organized by the DAHDF, Union Ministry of Agriculture and Farmers' Welfare at ICAR- CIFE, Mumbai on 26-27 April, 2018. The Adviser (Fisheries), BASU participated in the consultation as the Chairman of the Technical Committee for drafting the NIFAP. He introduced the extract of the Draft Policy for its threadbare discussions during the focused group discussions.
5. Dr. Rameshwar Singh, Vice Chancellor, BASU and Dr. Dilip Kumar, Adviser (Fisheries), BASU were invited at the Third International Symposium on “Aquaculture and Fisheries Education” held at CIFE on 16-18 May, 2018. Dr. Dilip Kumar presented a key note paper and also chaired and co-chaired technical sessions.
6. Dr Dilip Kumar, Adviser (Fisheries), BASU delivered a keynote speech entitled “Integration of aquaculture for enhancing family farm income and food diversification” at the National Conference on Intensification and Diversification in Agriculture for Livelihood and Rural Development” organized jointly by Martyr Lt. Amit Singh Foundation, CHAI and RPCAU, Pusa on 28 May, 2018.
7. AquaEx India 2018 and Knowledge Conclave was organized by SIFA at Hyderabad on 15-17 March, 2018. Dr. Dilip Kumar, Member of the Advisory Board of SIFA delivered an invited speech at the Knowledge Conclave.





## **AWARDS AND HONORS TO FACULTY MEMBERS**

### AWARDS AND HONORS TO FACULTY MEMBERS

Name of faculty member	Details of the award/honour received	Year
<b>College of Veterinary Science</b>		
Dr. Pankaj Kumar Singh Department of Animal Nutrition	Young Scientist Award by Uttarakhand State Council of Science & Technology, Dehradun, Uttarakhand	2017
	Dr. S.K. Ranjhan Best Doctoral Thesis Award by Animal Nutrition Society of India, National Dairy Research Institute, Karnal	2018
	Excellence in Research Award by Society for Agriculture Innovation and Development, Ranchi	2018
Dr. Ajit Kumar Department of Veterinary Parasitology	Young Teacher Award from Society for Agriculture Innovation and Development at Kathmandu, Nepal	2017
Dr. Saroj Kumar Rajak Department of Animal Husbandry Extension Education	Young Scientist Award by Society for Agriculture Innovation and Development, Ranchi	2018
	Excellence in Extension Award by Society for Agriculture Innovation and Development, Ranchi	2018
<b>Sanjay Gandhi Institute of Dairy Technology</b>		
Dr Binita Rani	KVK Scientist Award for Outstanding Contribution in Field of Agriculture at International Seminar on Agriculture & Food for Inclusive Growth and Development at NBRI, Lucknow.	2017
	Outstanding Scientist Award at the 5 <sup>th</sup> International Conference on Agriculture, Horticulture and Plant Sciences at Rishikesh, Uttarakhand.	2017
Dr Sonia Kumari	Young Scientist Award at 5 <sup>th</sup> International Conference ICAHPS.	2017
	Excellence in Teaching Award. Samagra Vikas Welfare Society, Lucknow.	2017
	Young Scientist Award, IJTA & Science Publication	2017
	Excellence in Research Award. Society for Scientific Development in Agriculture & Technology.	2017
Dr Bipin Kumar Singh	Young Scientist Award, IJTA & Science Publication	2017

## **LINKAGES**

1. An MOU with ICAR Central Inland Fisheries Research Institute (ICAR-CIFRI) was signed at BVC Patna on 6<sup>th</sup> of April 2018. Dr. Basant Kumar Das, Director, ICAR-CIFRI and Dr. S. Samantaray Dean cum Registrar signed the MOU on behalf of CIFRI and BASU, respectively.
2. An MOU was signed between BASU and ICAR Central Institute of Freshwater Aquaculture (ICAR-CIFA) at Bhubaneswar on 16 April 2018. Dr. J. Sundaray, Director, ICAR-CIFA and Dr. S. Samantaray Dean cum Registrar signed the MOU on behalf of ICAR-CIFA and BASU, respectively.
3. An MOU was signed between ICAR Central Institute of Fisheries Education (ICAR-CIFE) and BASU in June 2018.
4. An MOU for collaboration in research and postgraduate students' research was signed between BASU and ICAR-CIRB at Hisar on 5<sup>th</sup> July 2018. Dr. Inderjeet Singh, Director, ICAR-CIRB and Dr. Rameshwar Singh, Vice Chancellor, signed the MOU on behalf of ICAR-CIRB and BASU, respectively.
5. The university has signed MOUs with premier Institutes like IVRI, NDRI, BHU, ICAR-RCER, etc.
6. The University has good liaison with many other agencies like NABARD, Animal Husbandry Department, JEEVIKA, NGOs, and other national and international institutes of repute.
7. An MOU of BASU was signed with the Agricultural Skill Council of India (ASCI).
8. An MOU was signed with the Bihar State Disaster Management Authority (BSDMA).

## EVENTS AND ACTIVITIES

### Inauguration of Kisan Call Centre

A Kisan Call Centre with Helpline Number 0612- 2227258 at Extension Department and Helpline Number 0612-2227257 at Clinical Complex was inaugurated jointly by Sri Sunil Kumar Singh Agriculture Production Commissioner and Dr. N. Vijyalakshami, Secretary Animal Husbandry on the occasion of college foundation day on 2<sup>nd</sup> April, 2018.

### Celebration of Dr. Bhimrao Ambedkar Jayanti

The 127<sup>th</sup> birth anniversary of Dr. Bhimrao Ambedkar was celebrated on 14<sup>th</sup> April, 2018 at Bihar Animal Sciences University, Patna. Dr. R. K. Sharma, Incharge Cultural and Literary Section, BVC welcomed the dignitaries and participants. The programme started with offering flowers and wreath and cutting birthday cake in the honor of Dr. B. R. Ambedkar by Dr. Rameshwar Singh, Vice- Chancellor, BASU and other dignitaries. Welcome speech was given by Dr. S. Samantaray, Dean, BVC. The contribution of Babasaheb Dr. Bhimrao Ambedkar towards the country and the life journey of Dr. Ambedkar were discussed in detail by various speakers. Dr. Saroj Rajak, Asstt. Professor, BVC told that Dr. Ambedkar not only struggled for the rights of the weaker sections of the society, he was also a social reformer and struggled for the rights of women and laborers in India. Hon'ble Vice- Chancellor, BASU in his concluding remarks discussed the ideology of Dr. Ambedkar and his contributions in framing of the great Indian Constitution. He told that still there is a need for empowering women as women are still deprived of many rights like the right in the parental property. The motivational books of Dr. Ambedkar should be made available for students in the college library, he added. Dr. H. M. Saxena, DRI-Cum Dean PGS, BASU and Dr. Ravik Nirala, Asst. Prof. also delivered speeches. Dr. Chandramoni, Director Research, BASU and Dr. Alka Sharan, Director, IAHP, Patna were also present along with the faculty and students of BVC and SGIDT and Scientists of IAHP. Dr. S K Bharti proposed the vote of thanks.

### Young Authors' Workshop organized at BASU

Bihar Animal Sciences University organized a three days Young Authors' Workshop from 12<sup>th</sup> -14<sup>th</sup> May, 2018, at Bihar Veterinary College, Patna. The workshop was inaugurated by Hon'ble Vice-Chancellor Dr. Rameshwar Singh.

The experts invited for conducting the workshop were Shri Hasan Javed Khan, Chief Scientist, CSIR and Editor of Science Reporter magazine, Shri Pradeep Sharma, former editor of Vigyan Pragati magazine and Dr. Jagdeep Saxena, former Editor of Kheti magazine. The Hon'ble Vice-Chancellor shared his experiences with the participants and motivated the students for scientific writing.



A total of 42 students from Bihar Veterinary College and Sanjay Gandhi Institute of Dairy Technology, Patna participated in the workshop. The motive of this workshop was to improve the writing skills of students for technical writing for the benefit of scientific community and livestock farmers. Shri Hasan Javed Khan, Shri Pradeep Sharma and Dr. Jagdeep Saxena highlighted the importance of nurturing writing skills among the youth.

In the three days' workshop, students learned the skills of scientific and technical writing. Some students interviewed Hon'ble Vice-Chancellor as a part of their exercise and learned the role of Bihar Animal Sciences University in the development of animal husbandry sector in the state and welfare of farming community of Bihar.

In the valedictory function, Dr. Hasan Javed Khan appreciated the enthusiasm of students during workshop and the way the students showed keen interest and interaction during the workshop. He informed that there are online resources available for updating knowledge about scientific writing and students should go through it. Dr. Jagdeep Saxena said that there was a good learning environment during the workshop and the students participated sincerely and helped them for the smooth conduct of the workshop.

Feedback of participating students were given by Ravi Kumar Gupta, Rupam Kumari and Shivani. They said it was a very good experience and they learned a lot about scientific and technical writing which they will incorporate in their day to day writing. They learned how to write articles with accuracy, brevity and clarity. Certificates of participation were distributed to all the participating students by the Hon'ble Vice-Chancellor who said that he was delighted to see the day to day progress of the workshop and zeal of the students towards learning. They availed this golden opportunity with both hands and he was satisfied with the first workshop of its kind in BASU. He thanked the resource persons who are reputed personalities in science communication.

### **Celebration of World Veterinary Day at BASU**

The World Veterinary Day was celebrated at BASU on 28<sup>th</sup> April, 2018. A rally was organized by the students for the awareness of lay public. A seminar on the role of Veterinary profession in livelihood and food security was organized. The seminar was inaugurated by the officers of the University by lighting the lamp and offering floral tributes to shalihotra-the first known Veterinarian and founder of Veterinary profession. Dr. H. M. Saxena, Dean PGS and Dr. R. K. Nirala, Controller of Exams addressed the gathering.

A Quiz and an E-Poster competition were organized to celebrate the World Veterinary Day. Students from U.G. and P.G. classes from BVC and SGIDT participated in both the competitions. Certificates were distributed to the winners and participants. Students also delivered speeches highlighting the significance of the World Veterinary Day. The event was sponsored by Natural Remedies.

### **Organization of Dog Show**

A Dog Show–cum-Competition was organized by Bihar Animal Sciences University on 25.02.2018 at the sports ground of Bihar Veterinary College, Patna. The show was inaugurated by Dr. Rameshwar Singh, Vice-Chancellor, BASU. A live show was performed by the Dog Squad of 9<sup>th</sup> Battalion. Demonstration of detection of explosives by dogs through sniffing and their obedience to the instructions of their handlers was appreciated by the spectators. The dog competition was categorized into three parts-Best Breed, Fancy Dress and Most Obedient Dog. The competition was judged by Dr. P. C. Chandran, Scientist, from ICAR-RCER, Dr. Ramesh Tiwary, Dr. Archana Kumari, and Dr. Nirbhay Kumar from Bihar Veterinary College. The Chief Guest at the prize distribution was Shri. Sunil Kumar Singh, Agriculture Production Commissioner, Govt. of Bihar. Around 105 pet owners registered their dogs in the dog show–cum-competition.

## VISITORS TO BASU

S. n.	Name of the visitor	Designation	Date of visit	Purpose of visit
1.	Sri Somprakash Singh	Ex. MLA, Bihar	6.10.17	Motivational speech
2.	Dr. N. S. Sharma	Prof. Deptt. of Veterinary Microbiology, GADVASU, Ludhiana	6.11.17	RCM Meeting
3.	Dr. Indrajeet Singh	Director, CIRB, Hisar	6.11.17	RCM Meeting
4.	Dr. Hema Tripathi	P.S. CIRB, Hisar	7.2.18	Motivational lecture
5.	Sri Somprakash Singh	Ex. MLA, Bihar	22.5.18	Motivational lecture
6.	Dr. Hasan Jawaaid Khan	Chief Scientist, CSIR & Editor, Science Reporter	12-14.5.18	Young Authors' Workshop
7.	Sri Pradeep Sharma	Ex Editor, Vigyan Pragati	12-14.5.18	Young Authors' Workshop
8.	Dr. Jagdeep Saxena	Editor, Kheti Magazine	12-14.5.18	Young Authors' Workshop
9.	Sh Sunil Kumar Singh	APC, Bihar Govt.	2.4.18.	Foundation Day of BVC
10.	Dr. N. VijayaLakshmi	Secretary, Animal & Fisheries Resources Dept. , Bihar Govt.	2.4.18.	Foundation Day of BVC
12.	Dr. Mangla Rai	Former D.G., I.C.A.R.	11.8.17	Motivational speech
13.	Dr. Ashok Kumar	A.D.G. (Animal Health), I.C.A.R.	23.9.17	Meeting of Academic Council
15.	Dr. Monika Gupta	Senior Officer, NDMA, New Delhi	4.8.17	Lecture
16.	Dr. Harish Verma	D.E.E., GADVASU, Ludhiana	12.1.18	Meeting of Extension Council
17.	Dr. Prem Kumar	Agriculture Minister, Bihar	27.1.18	Conference
18.	Dr. Indrajeet Singh	Director, CIRB, Hisar	30.10.17	Winter School
19.	Sh Sunil Kumar Singh	APC, Bihar Govt.	25.2.18	Dog Show
20.	Dr. A.S. Nanda	Vice Chancellor, GADVASU, Ludhiana	2.10.17	Visit to Animal Farm
21.	Dr. Devendra Swaroop	Director, CIRG, Makhdoom	19.3.18	Academic council
22.	Dr. B.S. Hansra	Ex. ADG(Extn), ICAR	30.10.17	Winter School
23.	Dr. S.S. Randhawa	Professor, GADVASU, Lud.	13.6.18	Academic council
24.	Dr. Ashok Kumar	ADG (Animal Health) ICAR	13.6.18	Academic council
25.	Dr. P.K. Uppal	Ex. Advisor to Punjab Govt.	13.6.18	Academic council



**Dr. Indrajeet Singh, Director, ICAR-CIRB, Hisar, inaugurating the ICAR Sponsored Winter School**



**Dr. Hema Tripathi, P.S. ICAR-CIRB, Hisar delivered a motivational lecture**





**Dr. N. Vijaya Lakshmi, Secretary, Animal and Fisheries Resources Deptt. and Shri Sunil Kumar Singh, APC, Govt. of Bihar on occasion of 91<sup>st</sup> Foundation Day of Bihar Veterinary College**



**Dr. Prem Kumar, Hon'ble Agriculture Minister, Govt. of Bihar at the inauguration of National conference on livelihood and food security**



Vice Chancellor addresses Dr. Hasan Javed Khan, Editor, Science Reporter, Sri. Pradeep Sharma, ex Editor Vigyan Pragati, Dr. Jagdeep Saxena, Editor, Kheti Magazine are on stage at Young Authors' Workshop



Shri Sunil Kumar Singh, APC, Govt. of Bihar, Chief Guest at the Dog Show



## RESEARCH PUBLICATIONS

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**Top: Bihar Veterinary College (BVC) Main Building; Middle: Postgraduate Block of BVC;  
Bottom: Guest House of BASU.**





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