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VICE CHANCELLOR'S DESK



It is a great pleasure to place before you the 2nd issue of our Newsletter. The university is marching ahead charting the course of action. The University organized its first convocation on 15th October 2019. Hon'ble Governor of Bihar, Sh. Phagu Chauhan presided over the function and Dr. Mangala Rai, former Director General, ICAR delivered the Convocation Address. Degrees and medals were conferred on students from Bihar Veterinary College and Sanjay Gandhi Institute of Dairy Technology.

New batches of students have joined the University in different programs. I welcome and appreciate them for choosing Bihar Animal Sciences University and reposing their trust in different programs. I convey my best wishes to each student and hope the University will be able to guide and help these students in fulfilling their aspirations and realising their goals in academics.

We are in the process of creating new infrastructure. The new Library Building has become operational. The library has ample space for readers and for holding of books and journals and computer terminals for the cyber-library section. The cyber-library section is also equipped with modern language learning software and will double up as language lab and cyber-library. I thank the Building Construction Department, Govt. of Bihar for completing the building work and officials from Estate & Library at BASU, who made the building operational on priority.

New space has been provided to the Finance Wing on the top floor of the newly constructed library building. The finance wing has approximately 3500 sq ft. floor area. All the units under Comptroller have been placed under one roof, for efficient management of financial matters. The payroll for all staff of university has been computerised and all pension cases are being dealt with in time. Procurement of equipment and other goods is being done through government e-portal (Gem).

Financial powers have been delegated to officials at different levels for decentralization of activities of different units to facilitate smooth functioning. To make transactions hassle free and cashless, fees from students are being received online through SBI Collect.

Academic Management System called "Chanakya" by National Informatics Center (NIC), Bihar has been implemented. It is a Web enabled, role based & work flow based ICT solution to accomplish enrollment, registrations and examinations task. All B.V.Sc., B.Tech. (DT), and B.F.Sc are managed through Chanakya.

The University is following the academic calendar right from admissions to declaration of results. The teaching and examination systems have been fully transformed and regulated with zero tolerance to absenteeism and ills of unfair means in the examinations. I am thankful to the student's community and the faculty of BASU for implementing the new regulations in letter and spirit.



(Rameshwar Singh)

Vice Chancellor

Bihar Animal Sciences University, Patna

Second Foundation Day of Bihar Animal Sciences University

Bihar Animal Sciences University celebrated its Second Foundation Day on 29th of August 2019 at the University premises. Dr. Prem Kumar, Minister for Agriculture-cum-Animal and Fisheries Resources graced the occasion as the Chief Guest.



Dr. Harsh Kumar Bhanwala, Chairman NABARD was present on this occasion to deliver the foundation day lecture, Mrs. Shikha Srivastava, Managing Director, COMFED, Dr. N.R. Biswas, Director, Indira Gandhi Institute of Medical Sciences and Sri Mahachandra Prasad Singh, former Animal Husbandry Minister, Bihar were also present as the special guests. Dr. Rameshwar Singh, Vice Chancellor, BASU and Dr. P.K. Kapoor, Registrar of The University welcomed the guests and presented them a collection of books published by the University. The program was formally inaugurated by lighting the lamp by the guests.

At the outset, Dr. Rameshwar Singh, apprised the Hon'ble Minister and other dignitaries about the activities and achievements of BASU during the last two years. He emphasised the role of the University in successfully executing several projects for the upliftment of the



economically deprived people of the state for their livelihood promotion and steering the responsibility of Embryo Transfer Technology Project sponsored by the Government of India. The Vice-Chancellor, BASU also categorically mentioned about various training's and workshops, conducted by the University to help develop human resources and for up-gradation of skills in different relevant areas.

The Hon'ble Minister, Dr. Prem Kumar said that the establishment of BASU affirmed the commitment of Government of Bihar to develop livestock sector, produce

adequate number of veterinarians and researchers to strengthen the veterinary services in the state. Considering the importance of livestock sector in the state of Bihar, a need was felt to establish an Animal Sciences University, which was first depicted in the 3rd agricultural road map. He mentioned that in view of shortage of veterinarians in the state, a new Veterinary College will be established at Kishanganj. The Hon'ble Minister further added that the University has been found to be progressing rapidly in all spheres of activities after its establishment. "Animal husbandry, dairy and fisheries provide opportunities for poverty alleviation and provide employment opportunity to workers and women from the marginal section of the society the University will cater to the needs of the rural poor."



Dr. Harsh Kumar Bhanwala, Chairman NABARD delivered the Foundation Day lecture and said that Animal Resources contributed to about 40% of the global agricultural GDP. Underscoring the importance of animal resources in agriculture he asserted that these would always remain important in rural agrarian economy, particularly in India where contribution of agriculture in GDP of the country was 14.5% and about 27% of it was contributed by the livestock sector. Dr. Bhanwala also highlighted that all good protein sources come either from meat, eggs or milk and milk products. If the country wants to convert the potential of its youth into the possibility in the area of sports or making a healthier nation, animal resources and the livestock

sector would make a huge contribution in these areas. He further said that there had been a larger possibility in animal resources and it needs to be taken forward emphatically.

On this occasion following students and teachers were honoured for their outstanding contributions.

1. **Dr. Sanjana:** Student of Master of Veterinary Science selected for admission in Ph.D at IVRI, Izatnagar.
2. **Dr. Aakriti Anna:** Student of Bachelor of Veterinary Science and Animal Husbandry scored highest marks in her batch and secured 18th rank in JRF of ICAR.
3. **Dr. Shruti Mishra:** Student of Bachelor of Veterinary Science and Animal Husbandry ranked second in the 2014–19 batch and secured 19th rank in JRF examination of ICAR.



4. **Dr. Kaushalendra Kumar**, Assistant Professor (Animal Nutrition), was awarded for his excellent performance in procurement through the GeM portal for financial year 2018-19.
5. **Dr. Ajit Kumar**, Assistant Professor (Animal Biochemistry), awarded for outstanding contribution in the FIST project sponsored by the Department of Science and Technology, Government of India.
6. **Dr. Pankaj Kumar**, Assistant Professor (Veterinary and Animal Husbandry Extension Education) awarded for his excellent contribution in organizing and conducting training program on "Management of Animals during Disaster".



Dr. Rameshwar Singh, Vice Chancellor, while addressing the students told that by joining the field of Veterinary you are committing yourself to one of the most humane professions. It is full of possibilities and is a very prestigious profession in society. He assured the students of all help and encouragement from the faculty in the pursuit of their career and addressing their problems. He asked the students to observe discipline on the campus and to participate actively in co-curricular activities. Dean of Bihar Veterinary College, Dr. J.K. Prasad threw light on the history of Bihar Veterinary College. Clinical facilities in the veterinary clinical complex and profile of students from previous batches.

The program was hosted by the second-year students to welcome and give a message of camaraderie to the new students.

FIRST CONVOCATION



The first convocation of the University was organized at Adhiveshan Bhawan, Patna on 15th of October 2019. In the convocation, ninety-five student were awarded degrees of B.Tech (Dairy Technology), B.V.Sc & AH and M.V.Sc. Twenty-seven students got degree in B.Tech (Dairy Technology), fifty four students received the B.V.Sc & AH degree and fourteen students in M.V.Sc. Four students were awarded with Gold Medals for securing highest marks in their batches.

being established. The establishment of Bihar Animal Sciences University is one of the very ambitious projects of the state. He heartily congratulated the Vice-Chancellor, University officials, teachers and all the students who received their degrees and medal.

His excellency told the students that the 'convocation' should not be considered the end of education, rather it should be considered as a motivator in the growth of your knowledge. Today's era is the age of knowledge. Always keep your curiosity awake. Students must work with full devotion and concentration to achieve the goal they have chosen.



His Excellency the Governor-cum-Chancellor presided over the function. He mentioned in his address that the land of Bihar has been playing a leading role in the field of education since ancient times. Thousands of years ago, students from India and abroad used to study at prestigious Nalanda University. We are committed to restore the dignity of higher education in the state as new Universities and higher educational institutions are



Dr. Prem Kumar, Hon'ble Minister of Agriculture-cum-Animal Husbandry and fisheries resources, Government of Bihar said that training of farmers and extension are most important for the development of agriculture and animal

husbandry in the state. He emphasized that the university scientists and students should establish close linkages with the villagers to understand the needs of livestock keepers and develop entrepreneurship. A comprehensive program has been set for this in the 3rd Agriculture Road Map of Bihar. Establishing this University is prominently featured in the goals of our third agricultural road map.



Dr. Mangala Rai, former Director General ICAR delivered the Convocation Address. He stated in his address "it emanated that

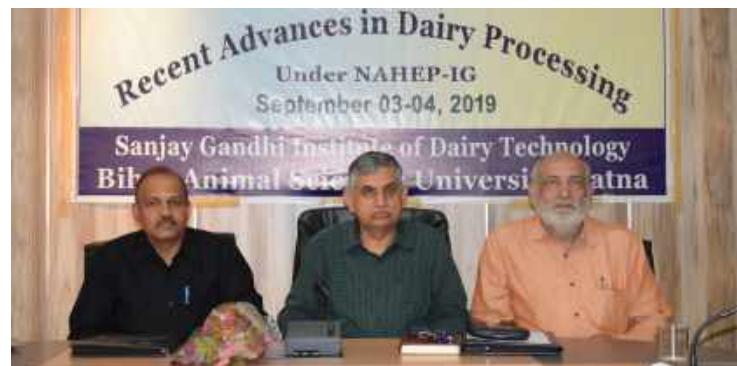
students here are eager to accept all the new challenges and look forward to leaving the indelible mark in the new world beyond the limits of this University".

He further said that there is a confluence of three eras during the student's lifetime. Accomplishments, beliefs and beliefs of the past descend into his life. Problems of the present look towards him for solution and pictures of the hopes and aspirations of family and society float in his eyes as dreams. The older person can give some knowledge based on experience, but his era of creation is often over. Boys and girls are themselves the order of creation, so the generation between the two - the younger generation, can give real momentum to nation building said Dr. Rai. He also highlighted some of the major research and development requirements of today i.e. Development of integrated farming and animal husbandry-fishery based production and consumption system. The state has to face drought and floods year after year, therefore, development of resilient species of fodder, feed block manufacturing for development of feed banks, and appropriate health care systems will have to be developed and implemented with a contemporary policy formulation.



Workshop on recent advances in dairy processing

A two days' workshop on recent advances in dairy processing and possibilities was organized at Sanjay Gandhi Institute of Dairy Technology on 3-4 September, 2019. The workshop was organized under the National Agricultural Higher Education Project (Innovation Grant) of the Indian Council of Agricultural Research. Leading dairy technologists from many reputed institutes of the country addressed the students and teachers of the college. This workshop was inaugurated by Dr. Rameshwar Singh, Vice Chancellor of the University.



Dr. Balbir Singh Beniwal, Dean of Sanjay Gandhi Institute of Dairy Technology delivered the welcome address and mentioned that the workshop was intended to educate students, teachers and young entrepreneurs about recent advances in dairy processing and innovative changes in dairy technology.

The Vice Chancellor, Dr. Rameshwar Singh in his address said that milk production and its associated processing technologies could play an important role in the livelihood of a large segment of population in India. India holds the highest position in milk production in the world, "the sector offers opportunities for employment generation, livelihood security and export earnings, and thus the sector potentially contribute in making people employment oriented" he said. The industry is witnessing continuous growth and realization of huge number of manpower as processing, logistics chain, supply chain, packaging chain, distribution chain and many of its fields are in demand for skilled people. He also said that this kind of workshop would be helpful in understanding the advancements and technical innovation in this field.

The speakers included Dr. S.K. Kanaujia from NDRI, Karnal, Dr. Balbir Singh Beniwal, Dean, SGIDT, Dr. Sitaram Prasad, Retired professor of Rajendra Agricultural University, Pusa and Dr. Anindita Animal and Fisheries University, West Bengal. Dr. Beniwal focused on the prospects and future of dairy processing in India. Dr. S. S. Kanaujia, dealt with the technological Advances in Cheese Making. Dr. Sitaram Prasad dealt with Development in milk processing.

Seminar on supplementation of Pro-biotics through fermented Dairy Products



A seminar on supplementation of Pro-biotics through fermented Dairy Products was organised by Sanjay Gandhi Institute of Dairy Technology, Patna on November 30, 2019. The Seminar witnessed a large number of students and faculties from the college. Dr. Prakash M Halami, Microbiology & Fermentation Technology Department, CSIR- Central food technological Research Institute, Mysore was the lead speaker. Seminar was organised under ICAR's National Agricultural Higher Education Project (Innovation Grant).

Seminar on the use of bacteriophages in milk and dairy sector



A one-day seminar on the use of bacteriophages in the milk and dairy sector was organized at Sanjay Gandhi Institute of Dairy Technology on December 10, 2019, in which a presentation on current and potential applications of bacteriophages in the milk and dairy sector was presented by renowned dairy scientist of Ireland Olivia Mac Auliffe on "Application of phages in the milk and dairy sector: the future for control and detection of pathogens". She spoke about research, development and innovation in the food sector and emphasized on the possible applications of bacteriophages in dairy processing.

Dr. Pradeep Behre, (Scientist, NDRI, Karnal) gave his lecture on the health properties and role of exopolysaccharide of lactic acid bacteria in developing low fat fermented milks and functional foods.

Workshop on Financial Management



Workshop on GeM, Bihar Financial Rule 131C, 131D and GFR Rule 154,155 was organized by the Office of Finance Comptroller, Bihar Animal Sciences University on 16 September, 2019. The workshop was inaugurated by Dr. Rameshwar Singh, Vice Chancellor of the University. In the workshop, the Finance Comptroller, Mr. G.C. Prasad discussed the important points pertaining to use and application of GeM, shopping from market sources, tender rules, management of income, formation of committee for shopping, payment process etc. This workshop was organized under the National Agricultural Higher Education Project (Innovation Grant) of the Indian Council of Agricultural Research. Workshop witnessed participation by University faculty and officials, delegates from COMFED and Indira Gandhi Institute of Medical Sciences, Patna.

"DIKSHARAMBH KARYAKRAM" Induction program for newly admitted students organized at Bihar Veterinary College

An induction program for newly admitted students of Bachelor of Veterinary Science and Animal Husbandry at Bihar Veterinary College was organized to orient the students about the academic activities and resident instructions. The program was inaugurated by the Vice Chancellor of the University, Dr. Rameshwar Singh, Dean Dr. J.K. Prasad, Director Research Dr. Ravindra Kumar, OSD (Fisheries College, Kishanganj) Dr. K.G. Mandal and Director Student Welfare Dr. Raman Trivedi by lighting the lamp.

A total of 58 students were admitted to this course. Counseling for enrollment in this course was conducted by Bihar Combined Entrance Competitive Examination Board based on the merit obtained by the students in national Eligibility cum Entrance Test.

On this occasion, the students were introduced to the Academic Rules Regulations, use and rules of the library, various facilities on the campus Hostel rules.

Bihar Animal Sciences University came forward for relief and rescue of animals in flood



Patna witnessed a flood like situation due to profuse water logging in many of its areas. People as well as animals were facing a huge crisis due to water logging situation in Patna and the problems arising out of it. Many domesticated and roadside animals were struggling with the problem of food and diseases. In such a situation, the Veterinary Emergency Response Unit (VERU) of Bihar Veterinary University Patna started relief and rescue of animals. VERU coordinator Dr Pankaj and Dr Saroj along with the officials of Animal Husbandry Department started relief and rescue operations in areas like Rajendra Nagar, Kankarbagh.

Removal of trapped animals from affected areas, vaccination of animals, treatment of sick animals and distribution of mineral mixture were taken up by the VERU team. Animals that were seriously ill were brought to the University hospital for treatment. Vaccination campaign was also be conducted to prevent infectious diseases in animals. Along with faculty large number of students joined in rescue work.



Workshop on the Goat Nutrition and Climate Change

A two-day workshop was organized under NAHEP during 14-15 November 2019 focusing on the importance of nutrition and health of goats in the scenario of climate change. Dr. Rameshwar Singh, Vice Chancellor inaugurated the workshop. He said that Bihar has immense potential in goat husbandry and there is need to encourage people for rearing goats.

He asked the organizers to discuss about how to take care of different species of goats, how to make them more productive and to decrease the mortality rate as well as suggest strategies for rearing small ruminants in less space with less capital.

Dr. Ravindra Kumar, Director (Research) said in his welcome address that goat keeping being a low-cost high-profit practice is considered as a good source of income for the underprivileged section of the society.

Dr. Surender Sankhyan, Principal Scientist of CSWRI, Avikanagar, elaborated about the different species of goats,

including milk, meat and pashmina breed. He spoke specifically on the food and nutrition for goats and emphasized that green fodder is highly nutritious food for goats, as it contains plenty of minerals, vitamins and the macro and micro nutrients. In his lecture, he spoke about the availability of feed and fodder in the present days and

explained the difference between sheep farming and goat farming.

Dr. Rasbihari Bhar, Principal Scientist of (IVRI, Izatnagar) deliberated on low-cost integrated model of goat rearing. Dr. N. Ramachandran, Senior Scientist (CIRG Makhdoom)

spoke on Shelter Management. He gave a presentation on length-width, height of the shelter, floor design, bedding, cleaning methods, and ventilation in shelter designing for goats, whereas Dr. Ashok Kumar Senior Scientist (CIRG, Makhdoom) dealt with health management of goats.



Workshop-cum-Training Program on Management of Wetland Fisheries of Bihar



A one-day workshop cum training program on "Management of wetland fisheries of Bihar" was organized by Bihar Animal Sciences University under the joint aegis of ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata on 20 November 2020. The program was inaugurated by Agriculture-cum-Animal Husbandry and Fisheries Resources Minister Dr. Prem Kumar. Other prominent guests included, Secretary, Animal Husbandry and Fisheries Resources, Dr. N. Vijayalakshmi, Dr. Rameshwar Singh, V.C, BASU, Patna Dr. Basant Kumar Das, Director, ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, West Bengal and Mr. Nishat Ahmed, Joint Director (Fisheries), Bihar.

On this occasion, Dr. Prem Kumar said that flooded watershed (Maun-Chaur) have immense possibilities of fisheries

production in the state. One of the goals in the agricultural road map is to develop 3000 hectares of wetlands, for which a provision of 75 crores has been made. In the *Jal Jeevan Hariyali* program work is being done through MNREGA under the Prime Minister Special package.

Secretary, Department of Animal Husbandry and Fisheries Resources Dr. N. Vijayalakshmi said that there had been a huge increase in fish production in the state. Bihar is now able to produce according to the requirement of fish in the state. Despite the possibilities in Bihar, fish was being brought from other states, which we accepted as a challenge. She further said that farmers should understand and avail the schemes of the government. We must move towards productivity rather than production, farmers understand the nuances of feeding practice, pond management and fisheries. Women need to join this field, so that they too can become self-reliant.

Director, Central Institute of Interstitial Fisheries Research, Barrackpore, Kolkata, West Bengal Dr. Basant Kumar Das said that our five projects are going on in Bihar which has resulted in a three-fold increase in fisheries. Farmers associated with fisheries have found more work and increased their working day from 50 to 150 days in a year.

Dr. Nishat Ahmed, Joint Director (Fisheries), made the farmers aware of the schemes being run by the government on fisheries.

Workshop on the formulation of State Animal Disaster Management Plan

Draft plan has been prepared by the Bihar State Disaster Management Authority, Disaster management Department, Bihar Animal Sciences University, World Animal Protection & Policy Perspective Foundation. To review and finalize draft plan a workshop was held at Bihar Animal Sciences University on 13 November 2019.

The workshop was inaugurated by Vice Chairman of Bihar State Disaster Management Authority Shri. Vyas Ji, Dr. N. Vijayalakshmi, Secretary, Animal Husbandry and Fisheries Resources, Dr. Rameshwar Singh, Vice Chancellor of Bihar Animal Science University, Mr. A.K. Samaiyar, Senior Advisor to Bihar State Disaster Management Authority, Mr. K.M Singh, Mr. P.N. Rai, and Mr. U.K. Mishra.



FIRST CULTURAL AND LITERARY COMPETITION



The first Inter College Cultural and Literary Competition was organized from 12-13 November, 2019. The competition was inaugurated by lightening up of lamp by the Vice Chancellor of the University Dr. Rameshwar Singh, Registrar Dr. P.K Kapoor, Director Student Welfare Dr. Raman Trivedi, Prof. K.C. Bajpayee of BIT Patna, and Professor Atul Aditya Pandey of Patna University. Various competitions were held in this two-day event, in which students from all the colleges of BASU participated. The event comprised of Debate competition, Extempore, Mehndi Designing, Rangoli, Mime, Stand-up Comedy, On-Spot Painting Competition, Singing and Dancing

This two-day event concluded at BAMETI auditorium. Dr. Rameshwar Singh was present as the chief guest on the closing ceremony, while Patna University's Director Student Welfare Prof. Nagendra Kumar Jha was present as the guest of honor.





Celebrating 150 years of Mahatma

150th birth ceremony of Mahatama Gandhi was celebrated on 2 October 2019. The day started with performing yoga at the college premises in which students, teachers and staff performed yoga asanas. Before starting the programme Vice Chancellor, officials, students and staffs paid tributes to Bapu. Vice-Chancellor said that Gandhi Jayanti is a way of commemorating and remembering the teachings of Gandhi and spreading his message of peace and harmony. Gandhi Ji considered non-violence to be a philosophy, a principle and an experience based on

which it is possible to build a better society, he added. Vice Chancellor further said that the teachings and virtues of Gandhi have set the tone of values we share today. Life of Mahatma Gandhi motivates people for nonviolence and peaceful protests & movements for equality and justice all over the globe. Even after the 150th birth anniversary of Mahatma Gandhi, his stories are being narrated from generations to generations.

After the yoga a rally was also organized for creating awareness on cleanliness and plastic free campus. The rally was taken around important routes in the town. A debate and essay competition were also organized on the topic "Is Philosophy of Mahatma Gandhi still relevant in present days" and "Mahatma Gandhi Philosophy of Swadeshi and Non-Violence respectively".

APPRECIATION

University Appreciated for role in Van Mahotsav

An event was organized by the Department of Forest, Environment and Climate Change, Government of Bihar to commemorate World Rhinoceros Day. The Deputy Chief Minister of Bihar Sh. Sushil Kumar Modi was present as the chief guest of the program. On the occasion, institutes which did excellent work for the large tree plantation program across the state were honoured. The Vice-Chancellor of Bihar Animal Sciences University Dr. Rameshwar Singh was also honoured by the Deputy Chief Minister Mr. Sushil Kumar Modi by giving a certificate of excellence for the excellent work done by the University in this area. This state-wide plantation drive was launched by the Chief Minister of Bihar on 1st of August 2019 at sports complex of University with an aim to plant 1.5 cr. plants throughout the state in the span of 15 days. This plantation drive is an important component of the programme of the state on "*Jal Jeevan Hariyali*" focusing on water resources, green cover and biodiversity.



FIRST INTER-COLLEGE SPORTS COMPETITION

The first Inter College Sports Competition was organized at Bihar Animal Sciences University, Patna from 7th to 9th December 2019, at BASU Sports Complex and SGIDT. The three days event was inaugurated by chief guest Mr. Aamir Shubhani, Additional Chief Secretary (Home), Govt. of Bihar, in presence of Dr. Rameshwar Singh, Hon'ble Vice Chancellor, BASU, Patna and Dr. Karan Pal Singh, Professor, University of Texas, USA by hoisting the University flag, releasing balloons in the air and lighting the torch.

During the three-day competition 97 (61 boys and 36 girls) students of all the three colleges of university participated. The events conducted were 1500m race, 800m race, 400m race, 200m race, 100m race, 4x100m relay race, javelin throw, shotput throw, discus throw, long jump, high jump, volleyball, table tennis, kabaddi and badminton.

The event concluded at the sports complex of the university on 9th December 2019. Shri Ratan Sanjay (Inspector General of Police, Govt. of Bihar) graced the occasion as the chief guest and distributed the prizes and trophies to the winners. Total of 77 medals/trophies were awarded to the students who stood first, second and third in each event. Mr. Prince Kumar and Ms. Deepshikha students of Bihar Veterinary College were declared best sports persons in boys and girls categories respectively.



An interactive session with Dr. Inderjeet Singh

Dr. Inderjeet Singh, Director, Department of Animal Husbandry, Govt. of Punjab shared his views and experience on development of livestock, improvement in reproduction and productivity, dairy processing, conservation of indigenous cattle breeds and better use of technology to improve animal health with the faculty of Bihar Veterinary College and Sanjay Gandhi Institute of Dairy Technology.



Lecture by Mr. Amit Kumar, Director, Patna Zoo



Bihar Veterinary College organized a lecture of Shree Amit Kumar, Director of Sanjay Gandhi Biological Park, Patna. Shri Kumar delivered his talk "Wildlife Management under Captive Conditions". He focused on the topics of Feeding Nutrition, routine care of the zoo animals, their habitat and practices for health management of zoo animals.

Invitation to Contribute

Dear Readers,

Second issue of the Newsletter is in your hands.

This is your platform. We request you to send reports on major achievements, events and happenings in BASU. Articles, success stories and research based features are also invited. Please mail your contributions along with high resolutions pictures (.jpeg format) to:

probasupatna@gmail.com
pashuvigyan@gmail.com

-Editor

Hands on Training on Wildlife



Final year Students of Bihar Veterinary College, Patna on visit to Sanjay Gandhi Biological Park (Patna Zoo). They learnt how to feed the zoo animals, nutritional feeding management, maintaining hygiene while preparing foods for zoo animals. Feeding techniques and important measures to be taken while feeding was also discussed.

Lecture on Diabetes, Thyroid & Immunity by Dr. Shahnawaz Imam



A lecture on diabetes, thyroid and immunity was given by alumni of Bihar Veterinary College, Dr. Shahnawaz Imam, Assistant Professor Division of Endocrinology, Diabetes and Metabolism, Department of Medicine and center for Diabetes and Endocrine Research (CeDER), College of Medicine and Life Sciences, University of Toledo on 16 December 2019. Dr. Imam emphasized mainly on the topics of spontaneous autoimmune diabetes in human mice carrying human type 1 diabetes, beta-cell antigen specific chimeric antigen receptor Treg for type 1 diabetes prevention and treatment and immunoediting in thyroid cancer and thyroid autoimmunity.

