

W B U A F S NEWS



LETTER

WEST BENGAL UNIVERSITY OF ANIMAL & FISHERY SCIENCES ● Vol. 11 No. 1, April, 2018 - March, 2019



FROM VICE CHANCELLOR'S DESK



It is a moment of pride and accomplishment to complete the 25 years of our journey as a newly established University. It is satisfying to note that over these years, the University has grown in size and stature. Our University has carved a niche in livestock and fishery sector of the state through quality education, need-based research and farmer-centric outreach programmes. It is needless to mention the love of fish and meat in the diet of every Bengali family. With population growth, higher GDP and more disposable income; the demand for fish, milk, meat, egg and other

animal products has grown exponentially. Further, while employment opportunity in traditional agriculture sector is shrinking, the Animal Husbandry, Dairy and Fishery sector is offering great scope for employment, especially for rural youths and women. This has given us huge responsibilities to meet the expectations of the Government and the people. The University is relentlessly working towards increase in the production and productivity of all types of animal products through dissemination of our research outputs.

Apart from the academic activities, lots of externally funded research projects are being carried out in the University. We are increasing our outreach to the farmers with location-specific technologies and problem-solving strategies. The present issue of Newsletter is the reflection of some of these activities happened during the period. I heartily congratulate the editorial team for its commendable efforts for bringing out this publication.

Prof. Purnendu Biswas
Vice Chancellor

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12th CONVOCATION




12th Convocation of West Bengal University of Animal and Fishery Sciences was held on 14th June, 2018 at Belgachia campus of the University. Hon'ble Chancellor of the University and Governor of West Bengal His Excellency Sri Keshrinath Tripathy presided over the occasion. The Director General of ICAR, Dr. Trilochan Mahapatra

was the chief guest. Sri Swapan Debnath, Hon'ble Minister of State (Independent Charge), Animal Resource Development, Govt. of West Bengal was also present. In

FROM EDITOR'S DESK

The responsibility of bringing out the University Newsletter is entrusted with the Directorate of Research, Extension and Farms. For outside stakeholders, Newsletter is the face and voice of the University. Therefore, an honest attempt has been made to represent the activities of the University in right prospective. A part from the routine academic activities, the University takes up various other activities pertaining to basic and applied research, training and capacity building, workshops and seminars, frontline demonstrations, on-farm trials, field days, etc. The University is very much aware of the challenges faced by the farmers and always takes lead role in solving them. The key focus of the University is to reach out the livestock and fish farmers with sustainable and innovative technologies for higher production and better income. I humbly acknowledge the guidance and encouragement received from Hon'ble Vice Chancellor, Prof. Purnendu Biswas for publication of this Newsletter. I also appreciate the efforts made by the members of the editorial board.



*Prof. Arunasis Goswami
Director of Research, Extension &
Farms (Actg.)*

this auspicious occasion, 75 students received Undergraduate Degrees and 53 students acquired Master Degrees from three faculties of the University. 13 students were awarded Ph.D. degree. 22 students received Gold Medals for their academic excellence. Hon'ble Chancellor emphasised on the role of the students in the development of respective fields. Hon'ble Vice-Chancellor of the University Prof. Purnendu Biswas delivered the welcome address. In his speech he mentioned that WBUAFS has received the status of best Agricultural University of the State. He also stated that in last two decades University has played an important role in disseminating the research outcome in the animal husbandry, dairy and fishery sector to the farming community of West Bengal. DG of ICAR said that the students of this University are holding different posts in the country and abroad and are working successfully. Hon'ble Minister informed that this University is playing a vital role in the development of our state.

SILVER JUBILEE FOUNDATION DAY CELEBRATION

25th Foundation Day of West Bengal University of Animal and Fishery Sciences was celebrated on 2nd January, 2019 in the University Community Hall at Belgachia campus. In this auspicious occasion Swami Atmapriyananda, Hon'ble Vice-Chancellor, Ramkrishna Mission Vivekananda Educational and Research Institute, Belur Math was the Chief Guest. Prof. Gaya Prasad, Hon'ble Vice-Chancellor, Sardar Vallabh Bhai Patel University of Agriculture & Technology, Meerut, U.P. delivered the Silver Jubilee Lecture. On this occasion, University Flag was hoisted by Hon'ble Vice-Chancellor, Prof. P Biswas followed by award distribution and cultural programme.



Awards were distributed to the following teachers, staff, students and farmers for their performance in respective fields. Dr. Paresh Nath Chatterjee, Best Teacher of the University & Best Teacher-Faculty of Veterinary & Animal Science; Dr. Shib Kinkar Das, Best Teacher-Faculty of Fishery Science; Dr. Achinta Mahato, Best Student of the University and Best Student-Faculty of Veterinary & Animal Science; Mr. Nur Mohammed Mollah, Best Student-Faculty of Fishery Science; Mr. Tamal Sarkar, Best Student-Faculty of Dairy Technology; Mr. Ramesh Chandra Baskey, Best Employee of the University; Mr. Sudhangsu Biswas, Best Progressive Farmer- Jalpaiguri KVK; Md. Abdul Kalam, Best Progressive Farmer- Murshidabad KVK; and Mr. Harinarayan Biswas, Best Progressive Farmer- North 24 Parganas KVK.

8th Conference of Indian Meat Science Association (IMSACON-VIII)



The Department of Livestock Products Technology, Faculty of Veterinary and Animal Sciences, WBUAFS, Kolkata organized an International Symposium and the 8th Conference of Indian Meat Science Association (IMSACON-VIII) on "Technological innovations in muscle food processing for nutritional security, quality

and safety” during November 22-24, 2018. The conference provided a platform for interaction and linkage amongst the scientists, academicians, processors and entrepreneurs from different parts of India and from Australia, Bangladesh and few other countries. They shared their opinion and experience on the present national scenario and offered suggestions for further accelerated growth in the muscle food industry. The conference stressed on strategies with multispectral approach for enhancing state-of-art technologies and innovations for processing of muscle food from livestock, poultry and fish. Besides, the conference proposed some tangible hints to the policy makers for creation of required infrastructure and enabling environment to boost muscle food industry in global perspectives. Indian Meat Science Association proposed a Gold Medal in the name of IMSACON-8 for the student of Livestock Products Technology ranking first in the Master’s Degree programme. Same has been approved in the 100th Executive Council Meeting of the University for implementation from ensuing year.



ISEE National Seminar- 2018

West Bengal University of Animal & Fishery Sciences in collaboration with Indian Society of Extension Education (ISEE), IARI, New Delhi organized the ISEE National Seminar-2018 on ‘Integrated Farming System for Enhancing Farmers’ Income and Nutritional Security’ from 5th - 7th December, 2018 at Belgachia campus of WBUAFS. The inaugural programme of the Seminar was graced by Sri Swapan Debnath, Minister of State, Department of Animal Resources Development, West



Bengal; Sri Pradip Mazumdar, Advisor Agriculture to CM, West Bengal; Prof. Purnendu Biswas, Hon’ble Vice-Chancellor, WBUAFS; Dr. Baldeo Singh, President, ISEE and Ex-Joint Director Extension, IARI; and Prof. S S Dana, Local Organising Secretary and Registrar, WBUAFS along with others dignitaries. More than 300 delegates from 14 states of India as well as abroad including scientists, academicians, extension functionaries, NGO professionals, and farmers related to agriculture, fisheries and animal husbandry participated in the Seminar. The Seminar concluded with useful recommendations in the plenary session followed by valedictory programme.



19th Indian Veterinary Congress & XXVI Annual Conference of IAAVR

The 19th Indian Veterinary Congress, XXVI Annual Conference of IAAVR and National Symposium 2019 on “Innovative progress in animal health and production for Safe and Secure Food under one health program perspective” was held on February 1 - 2, 2019 at West Bengal University of Animal & Fishery Sciences, Kolkata. The Conference was jointly organized by West Bengal University of Animal & Fishery Sciences and Indian Association for the Advancement of Veterinary Research (IAAVR). The Conference was inaugurated by Prof. Purnendu Biswas, Hon’ble Vice Chancellor, WBUAFS, Dr. B. B. Mallick, Former Hon’ble Vice Chancellor, WBUAFS, Major Gen. (Dr.) Shri Kant, Former Hon’ble Vice Chancellor, LUVAS, Dr. C. Balachandran, Hon’ble Vice Chancellor, TANUVAS, Dr. H. D. Narayanaswamy, Hon’ble Vice Chancellor, KAVAFSU, Dr. Y Hari Babu, Hon’ble Vice Chancellor, Sri Venkateswara Veterinary University, Tirupati, Dr. N. H. Kelawala, Hon’ble Vice Chancellor, Kamdhenu University,



Gujrat, Dr. S.N. Singh, President, IAAVR, Dr. Rishendra Verma, Founder Secretary, IAAVR, Prof. A. Goswami, DREF & President Organizing Committee and Prof. S. Batabyal, DSW & Organizing Secretary. Around 300 delegates including Principle Scientists, Senior Scientists, Scientists, Professors, Associate Professors, Assistant Professors, field veterinarians and PhD Scholars participated in the conference.

Faculty News

Visit of Scientists from Royal Veterinary College and Institute of Development Studies, UK.

A multi institutional project is initiated by Dr. Indranil Samanta, Assistant Professor of Veterinary Microbiology under the advisory of Prof. P. Biswas, Hon'ble VC with London School of Hygiene and Tropical Medicine, Royal Veterinary College (RVC), Institute of Development Studies (IDS), UK; Liver Foundation and Centre for Public Health and Development, India on value chain analysis of antibiotic usage in human and animals. A project start-up meeting was conducted in Kolkata and field visit to the study villages was arranged during February 27-28, 2019. During this period Dr. Pablo Alarcon (RVC) and Dr Ayako Ibata



(IDS) visited Belgachia Campus of the University on march 1, 2019 and met Hon'ble VC to apprise the progress of the work. Prof. S. N. Joardar received **IAAVR Merit Award (2019)**, conferred by Indian Association for the Advancement of Veterinary Research (IAAVR), during 19th Indian Veterinary Congress & IAAVR conference held on 1st February, 2019 at WBUAFS, Kolkata. On the occasion, a text book entitled "**Veterinary Immunology for the beginners**" written by him was released by Prof. P. Biswas, Hon'ble Vice Chancellor. He was also elected as **Member, National Academy of Veterinary Sciences (India)** in 17th Annual Convocation of NAVS (I) on 19th December, 2019 at OUAT, Bhubaneswar.

Dr. K. Batabyal received **2nd Best Oral Presentation Award** at the National Symposium in the 19th Indian Veterinary



Congress and XXVI Annual Conference of Indian Association for the Advancement of Veterinary Research (IAAVR), held at WBUAFS, Kolkata on February 1-2, 2019. He also received **3rd Best Oral Presentation Award** at the International Symposium in 8th Conference of Indian Meat Science Association (IMSACON – VIII), held at WBUAFS, Kolkata on November 22-24, 2018.

Dr. Samit Kumar Nandi, Professor and Head, Department of Veterinary Surgery and Radiology, WBUAFS was conferred with **Tata Innovation Fellowship (2018-19)** by Department of Biotechnology, Ministry of Science and Technology, Government of India in recognition of his significant contribution in Animal health and productivity. The "Tata Innovation Fellowship", is a highly competitive scheme instituted by the Department of Biotechnology, Govt. of India to recognize and reward scientists



with outstanding track record in biological sciences to find innovative solutions to major problems in healthcare, agriculture and other areas related to life sciences and biotechnology. The Award was conferred to Prof. Nandi by Dr. Harsh Vardhan, Hon'ble Minister of Science & Technology, Ministry of Environment, Forest and Climate Change and Ministry of Earth Sciences, Government of India in a function held at National Institute of Immunology, New Delhi during 33rd Foundation day of DBT on 26.2.2019. Prof. Nandi was conferred **Fellow, National Academy of Agricultural Sciences (NAAS)** and **Fellow, Indian Association for the Advancement of Veterinary Research (IAAVR)**.

Activities of Directorate of Research, Extension and Farms

Biotech-KISAN Hub brings smile on women of Sundarbans

Biotech-KISAN Hub, established with funding support of DBT, Govt. of India is providing livelihood security of the islander of Sundarbans through scientific rearing of Garole sheep and



Black Bengal goat. During 2018-19, 13 nos. of training were organized where 531 nos. of women got trained. For the benefit of the farmers, one extension book entitled “*Chagol-o-Vera Palan*” was published in local language. Under the project, a centre for Elite Germ plasm and a knowledge Hub comprising of ICT laboratory, and a dedicated website (<http://btkisanwbuaafs.com/>) are operating.

Fish Festival 2018



Directorate of Research, Extension & Farms (DREF), WBUAFS organized **Fish Festival 2018** at Belgachia campus between 22nd to 24th Nov, 2018. The programme was sponsored by National Fishery Development Board (NFDB), Hyderabad. The fish festival was inaugurated by Hon'ble Minister In-Charge, Sri Chandra Nath Sinha, Department of Fisheries, Government of West Bengal. Ms. I. Rani Kumudini, IAS, the Chief Executive, NFDB visited the festival on second day. The theme of the festival was “Pabda” fish and its different preparations. There were total 11 stalls from different restaurants, Self Help Groups and Govt. establishments who participated with their mouth-watering fish dishes and fishery products for display and sale. The visitors very much enjoyed the taste of traditional as well as commercial fish dishes. The festival aroused a good impetus for the SHGs and small entrepreneurs dealing with fish and fishery products.

Training Programmes



- Training programme on “**Aquaponics**” held during 4th - 5th April, 2018 for 25 participants at Mohanpur, WBUAFS
- **Skill Upgradation of Aquaculture Technicians** (200 hours), funded by NFDB, held at Farmers' Hostel, WBUAFS from 18.6.18 to 16.7.18.



- Three-day training program on **“Doubling Farmers’ Income through Animal Husbandry & Fishery Enterprise”** at Farmers’ Hostel, WBUAFS for PCs, SMSs and other technical staff of KVKs from 9th - 11th Oct, 2018.
- **Review Meetings** of PCs, SMSs and other technical staff of all three KVKs on 12.10.2018 and 28.01.2019 at Farmers’ Hostel, WBUAFS.
- Three-day training program on **“Societal Development through Animal Husbandry and Allied Sectors: Role of KVK”** at Farmers’ Hostel, WBUAFS for KVK functionaries of KVKs from 28th - 30th Jan, 2019.
- **Skill Development Programme of Fishery Extension Associates** (200 hours), funded by NFDB, held from 25.02.2019 to 16.03.2019 at Farmers’ Hostel, WBUAFS.
- **ASCI Skill Development Programme on Aquaculture Workers** (200 hours), funded by ICAR ATARI, held from 25.02.2019 to 16.03.2019 at Farmers’ Hostel, WBUAFS.
- **ASCI Skill Development Programme on Dairy Farmer Entrepreneur** (200 hours), funded by ICAR ATARI, held from 18.03.2019 to 30.03.2019 at Farmers’ Hostel, WBUAFS.

NEWS FROM KISHI VIGNAN KENDRAS

Murshidabad Krishi Vignan Kendra



World Veterinary Day was celebrated at KVK campus on 28th April, 2018. Scientific Advisory Committee (SAC) meeting was held on 22nd January, 2019. The KVK celebrated World Soil Day on 5th December, 2018 which was inaugurated by Md. Badaruddoza Khan, Hon’ble Member of Parliament. On the occasion, the Programme Coordinator spoke about soil health card & world soil day. From October to December, 2018, the KVK organized training programmes and distributed inputs under Krishi Kalyan Abhiyan, Phase-II. The KVK observed World Food Day on 16th October, 2018, Mahila Kisan Diwas on 15th October, 2018, District Kisan Mela from 20th to 21st February, 2019, and Rabi Sammelan on 22nd February, 2019. Under Swachhata Pakhwada-2018, the KVK organized activities like cleaning of street, drain and back alleys, development of compost pits; and arranged debates, discussion and awareness camps. Also took up “Safai Abhiyan” in KVK & surrounding villages under Swachhata Hi Seva initiative.

The KVK produced and sold true to the types seed of EFY var. Kovur, termaric var. Suranjana, grafted seedling of mango var. Himsagar, Langra, Amrapalli, Mallika, Laxman Bhog etc. The KVK cultivated green fodder (oats, maize and cow pea) and sold to livestock farmers. To boost the productivity of oilseed, the KVK involved progressive farmers in technology demonstration through introduction of improve variety, bio-fertilizer and micro nutrient. The KVK developed a Mobile Application namely Murshidabad Krishi for the benefit of farmers.

Jalpaiguri Krishi Vignan Kendra



18th SAC Meeting was held on 12th February, 2019 to review the progress of mandated activities of the year 2018-2019 and to finalize the Action plan for 2019-2020. Prof. P Biswas, Hon’ble Vice Chancellor chaired the meeting. Prof. A. Goswami, Director of Research, Extension & Farms, WBUAFS addressed the meeting.

Training and Exposure visit: To create awareness among the Input dealers under the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI), the KVK conducted training-cum-exposure visits for the participants of Jalpaiguri, Alipurduar, Coochbehar, Uttar Dinajpur & Malda districts. Under the programme of Agricultural Technology Management Agency (ATMA), the KVK organized training-



cum-exposure visits for the participants of Jalpaiguri, Alipurduar, Coochbehar, Kalimpong, Uttar Dinajpur, Malda and Murshidabad to create awareness on region-specific eco-friendly technologies. Similar activities were conducted under Integrated Watershed Management Programme (IWMP) for the members of Watershed clusters from Jalpaiguri, Alipurduar and Coochbehar districts.

Events: National Kisan Diwas was celebrated at KVK campus on 23rd Dec, 2018 to create awareness about different technologies and government intervention in agriculture among the Farmers. **World Food Day** was observed on 16th October, 2018 to create awareness and gather support to end village hunger and promote food and nutritional security. **Mahila Kisan Diwas** was organised in association with Sabujayan FPO and SHG of Dhupguri block on 15th October, 2018 at Dhupguri Mallickpara High school. The programme was inaugurated by Hon'ble MLA of Dhupguri, Mrs Mitali Roy. **World Environment Day** was celebrated on 5th June, 2018 in the presence District Magistrate of Jalpaiguri. **World Veterinary Day** was celebrated on 28th April, 2018 at Basilar Danga, Maynaguri in collaboration with Bagjan Progotishil FPO. National Fish Farmer's Day was celebrated 10th July, 2018 in presence of district officials from Department of Fishery and Agriculture. The programme was covered by Doordarshan Kendra, Jalpaiguri.

Field Experience Training (FET): The 21 day field experience training was executed from 19th February to 11th March, 2019 with village survey, seminar & interaction, institutional seminar along with other curriculum for skill and knowledge development in agriculture and allied sector.

Jalpaiguri KVK Mobile App was launched during the Celebration of University Foundation Day. This is an educational App providing all required information to farming community & extension workers. The App is available on Google Play Store for free.

Technology Week-cum-District Kisan Mela was organized at KVK Campus during 18th - 20th February, 2019 for Jalpaiguri district and during 21st-22nd February, 2019 at Dalimpur, Falakata for

Alipurduar district. Shri Ananta Deb Adhikary, Hon'ble Member of Parliament, Maynaguri inaugurated the Jalpaiguri Kisan Mela.

North 24 Parganas Krishi Vignan Kendra

In the year 2018-19, the KVK conducted 13 nos. of On Farm Trial (OFT) covering 78 farmers, 19 nos. of Front Line Demonstration (FLD) covering 715 farmers, 112 nos. of training helping 2790 farmers and 439 nos. of different extension activities covering 3749 nos. of beneficiaries in North 24 Parganas District. The farm sector of the KVK produced total 38.99 q seed and 25000 different planting materials for distribution to farmers. KVK also cultivated rice varieties like GS1, Shatabdi (IET 4786), Gobindavog, Khitish etc. ; sesamum (Rama), tuber crops (Bidhan Kusum) , Grams (Prakash), Mustard (B54) in its instructional farm. Besides, sale of livestock and fish fingerling generated revenue of Rs. 3.013 lakh for the year. Under CFLD of Pulse and Oil seeds programme, Blackgram (Sulata), Lentil (Moitree WBL77) and Mustard (YSH0401) were successfully demonstrated on cluster basis at different blocks of district. The mobile advisory service (KMAS) delivered information on weather and other agriculture related events to farmers. Soil Health Cards were distributed regularly among the farmers after testing the soil samples in its own laboratory. Farmers were encouraged to take up new HYV of black gram, to rear *Vanaraja* birds in backyard poultry, to culture improved fish variety of *Jayanti Rohu* and *Chital* farming with *Tilapia* for better returns.



District Kisan Mela and Technology Week was observed in presence of Hon'ble MP, Mrs Mamata Thakur, Prof. P. Biswas, Hon'ble VC, WBUAFS and Mr. Surajit Biswas, Hon'ble MLA in Gaighata Block in which around 800 farmers attended. KVK organised the extension programme on 'Income generation through agriculture by women' with the school going *Kanyashrees* of local school. The activities under externally funded projects included demonstration by NFDB, STR (ATMA funded), DAESI (SAMETI guided and self financed), FOCT (CDB funded) and ASCI (NSCI funded). KVK facilitated quality fish seed distribution by developing the marketing network of WBADMIP-KVK-Farmers. With the help of KVK and District Agriculture office, a mini oil-mill was established through Farmers' club.

STUDENTS' ACTIVITIES



- Fifteen (15) numbers of students qualified ICAR-NET-2018.
- Four (04) numbers of Students awarded ICAR-JRF/SRF in 2018.
- Eight (08) numbers of UG students awarded ICAR-PG scholarship in 2018.
- Fourteen (14) numbers of students got admission in Master's

programme and one (01) student got admission in Ph.D. programme through ICAR entrance examination in 2018.

- International Yoga Day was observed on 21st June, 2018 at Mohanpur campus of the University.
- Students of the University participated in West Bengal State & District Student Youth Science Fair held from 12th to 14th September, 2018 at BITM & from 26th to 28th September, 2018 at Netaji Indoor Stadium, Kolkata.
- University students participated in mega sports event AGRIUNISPORTS at Punjab Agricultural University, Ludhiana from 2nd to 5th January, 2019 and at Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar, Gujarat from 3rd to 7th February, 2019.
- Students took part in National Integration camp 2019 at Rabindra Bharati University, Kolkata on 6th March, 2019.
- University Volleyball team defeated the team of IARI, New Delhi in 1st Round game.
- Central Annual Sports & Cultural Meet of WBUAFS was organized at Mohanpur campus from 19th to 20th March, 2019.

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