

# NEWS-BULLETIN

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## UVAS, Chinese institute sign agreement to establish Sino-Pakistan Buffalo Research Centre

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The Guangxi Buffalo Research Institute (GXBRI), Nanning, China, and University of Veterinary and Animal Science Lahore signed an agreement to establish a 'Sino-Pakistan Joint Buffalo Research Centre' with the aim to build a scientific platform for joint research and long-term development in the field of buffalo science between China and Pakistan. UVAS Vice-Chancellor Meritorious Prof DrTalatNaseer Pasha and GXBRI Director signed the agreement at the Guangxi Buffalo Research Institute Nanning. Prof Pasha paid a 5-day visit to the Guangxi Buffalo Research Institute from July 14 to 18, 2018, to promote cooperation in the field of buffalo science.

Other partners of the agreement from Pakistan are Cholistan University of Veterinary and Animal Sciences, Bahawalpur, COMSATS Institute of Information Technology, Sahiwal, Buffalo Research Institute, Pattoki, and Buffalo Breeders Association, Punjab. The Sino-Pakistan Joint Buffalo Research Centre will be based at GXBRI, Nanning, in China and also at any location of the Party B in Pakistan. Under the agreement, the two parties will exchange students, academic experts and related entrepreneurs and conduct joint projects in animal breeding, genetics/reproduction, feeding/nutrition, dairy science and technology transfer. Both the parties will nominate two

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## Six UVAS faculty members attend ADSA meeting



Six UVAS faculty members attended 2018 annual meeting of the American Dairy Science Association (ADSA) in Knoxville, Tennessee (USA), on June 24-27. The faculty members included Prof Dr Nasim Ahmad (Department of Theriogenology), Dr. Muhammad Ijaz (Department of Clinical Medicine & Surgery), Dr Afzal Rasheed (Department of Animal Nutrition), Dr Abid Hussain Shahzad (Department of Clinical Science-Jhang), Dr Ghazanfar Ali Chishti (Department of Clinical Medicine & Surgery) and Dr Ali Husnain (Department of Theriogenology).

The meeting attracted over 1,900 dairy foods and production specialists with common but diverse interests in the future of dairy science. Professionals from over 60 countries participated in the meeting featuring 25 symposia and workshops.

## AI and ET training in Germany

Mr Mubbashar Hassan, lecturer Department of Clinical Sciences CVAS Jhang, got hands-on training in AI and ET in mares from Lewitz Stud Germany.



Mr Mubbashar Hassan is currently working as Research Fellow at University of Zurich Switzerland and a PhD scholar at Department of Theriogenology, UVAS, under supervision of Prof Dr Nasim Ahmad.

## ORIC holds awareness seminar on 'Technology Development Fund'



The Office of Research, Innovation and Commercialization (ORIC) of UVAS in collaboration with Higher Education Commission (HEC) Islamabad organised an awareness seminar on "Technology Development Fund". Speakers gave presentations highlighting development of linkages between academia and industry for HEC-funded TDF projects. The aim of the seminar was to train faculty members on preparing proposals for TDF grants from HEC, enhancing university-industry linkages and interaction between industry and researchers. ORIC Director Dr Imran Rashid spoke about the seminar objectives. Project/Field Coordinator Mr Ghulam Sarwar was also present on the occasion. Vice-

Chancellor Prof Dr Talat Naseer Pasha chaired the concluding session of seminar and said UVAS is working closely with livestock, dairy and poultry industry for the development of national economy. A large number of representatives from industry and faculty members from 15 public and private sector universities, including University of Agriculture Faisalabad, GC University Faisalabad, GC University Lahore, COMSATS, University of Lahore, University of Sargodha, University of Gujrat, Lahore Collage for Woman University, UET Lahore, GC Women University Faisalabad, University of Central Punjab, University of Swat, Institute of Space Technology and LUMS attended the seminar.

## UVAS, Chinese institute sign agreement



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permanent members each to set up a 4-member scientific committee which will act as liaison and help in the provision of required material, set up project proposals on buffalo development and arrangement of academic and project meetings. Speaking at the agreement signing ceremony, Prof Pasha said that buffalo is an important animal in the third

world and a source of livelihood for millions of landless poor. He said that buffalo makes an important contribution to the economy and overall social development of Pakistan by producing milk, meat, hides and draught power, etc. He said that Pakistan is rich in buffalo genetics while China in technology and synergy of the two will work wonders for buffalo development in the two countries.



## Pictorial coverage of university activities



The Vice-Chancellor presents a souvenir to Livestock Minister Punjab Mian Nauman Kabir during his visit to Ravi Campus.



The Vice-Chancellor in a meeting with Livestock Secretary Capt (retd) Muhammad Mehmood.



A consultative workshop on Evaluation of Nutritive Profile Data of Ruminant Feedstuff in Pakistan arranged by USAID.



The Vice-Chancellor in a meeting with a delegation from the Pirbright Institute, UK.



A consultative meeting on investment opportunities by the Hungarian Govt in Livestock & Poultry Sector of Pakistan.



The Vice-Chancellor in a group photo with the scientists of Guangxi Buffalo Research Institute, China.



Mr Ghulam Mustafa of the Theriogenology Department gets a warm send off on retirement.



The Vice-Chancellor in a meeting with a delegation from Australia in connection with AVCCR Project.



## Industry Liaison Working Group on Fisheries meets at UVAS



The University of Veterinary & Animal Sciences Lahore organised a stakeholders' meeting of Industry Liaison Working Group of Fisheries and Aquaculture for the promotion of fisheries and aquaculture sector in Punjab. Vice-Chancellor Prof Dr Talat Naseer Pasha chaired the meeting and reviewed preparations/arrangements for

the upcoming International Fisheries & Aquaculture Conference and Expo scheduled for 30-31st January, 2019. Director General, Department of Fisheries Punjab Dr Sikander Hayyat, Chief Operating Officer, Fisheries Development Board, Islamabad Junaid Wattoo, Mr RSN Janjua and professionals, fish farmers,

representative from fish feed industries, UVAS faculty members and officials from Fisheries Department were present.

Speaking on the occasion, the Vice-Chancellor said that UVAS is planning to make this conference result oriented for the benefit of fish farming community, fish feed industry, professionals from aquaculture sector, etc. Prof Pasha also briefed the members on salient points regarding development of Pakistan Fisheries & Aquaculture policies. The members appreciated this idea and assured their full support.

Earlier Chairman Department of Fisheries & Aquaculture Dr Noor Khan gave a detailed presentation on International Fisheries & Aquaculture Conference and Expo especially on its preparations.

## UVAS students get training in Turkey

Two M.Phil students Miss Tehmina Yaqoob and Miss Dania Anees from Department of Fisheries and Aquaculture, UVAS, got training at the Faculty of Fisheries, Ataturk University, Turkey, under Mevlana Exchange Program for five months. The students enrolled a course titled "Use of Oils and Fats in Fish Nutrition" conducted by Prof Dr Murat Arslan (Dean Faculty of Fisheries). Both the students participated in a seminar and presented papers. They also conducted trials for research as part of their M.Phil studies under supervision of Prof Dr Murat Arslan. They successfully performed lab work for their thesis.



## Training on 'Dairy Animal Clinical Examination and Equine Lameness' under IVPD project



A hands-on training on "Dairy Animal Clinical Examination and Equine Lameness" was organised at Ravi Campus Pattoki under the project titled In-service Training Facility of Advance Veterinary Education and Professional Development for Veterinary Professionals (IVPD) funded by the Punjab government. Dr Hafsa Zenab is director of the IVPD project.

Dr Kamran Jahangir, director of Bank Street Animal Hospital Ottawa, Canada, and also Partner of Emergency Hospital OCEVH, was the trainer/resource

person. The objective was to practically equip trainees with the most recent hands-on clinical skills in dairy, equine and small animals. The trainer practically demonstrated the procedure of clinical examination of equines and dairy animals, anesthesia and its complications, critical care of animals, practical demonstration of CPR, various nerve blocks and equine lameness. Many UVAS faculty members, postgraduate students and representatives of private training institutes participated in the training.

## 2.4kg foreign material removed from ostrich's proventriculus



A surgical team of the Surgery Teaching Hospital, UVAS Ravi Campus, successfully removed 2.4kg foreign material from an ostrich's proventriculus under gas anesthesia.

The surgical team comprised of Dr Ayesha Safdar (Assistant Professor) as surgeon, Dr Nasir Iqbal (Teaching Assistant) as assistant surgeon and Dr Abdul Mateen (Teaching Assistant) as anesthetist. The removed foreign material included metallic pebbles, five rupees coin, contacts of electric plug, electric wire, hairpin, threads, rubber

band, strips of clothes, polythene bag, plastic toy-car, human hair, etc. The bird was administered fluid therapy for five days and post-operative treatment by anti-inflammatory, antibiotics and nerve tonics for a week was prescribed. The owner Mr Abdul Khaliq from Malanwala village again brought the bird to Surgery Hospital and it has fully recovered. The surgery was planned and pre-operative preparation was made after seeking advice and guidance from Prof Dr Muhammad Arif Khan (Chairman, CMS).

## Novel chemo-immunotherapy developed to treat bovine brucellosis



Researchers at the University of Veterinary & Animal Sciences have developed a novel chemo-immunotherapy to successfully treat brucellosis in bovines.

The results of the study have been published in an open access journal "Biomedical Letters" (Volume 4 Issue 1, 2018). The therapy is revolutionary for the control of brucellosis in developing countries like Pakistan where test and slaughter policy is economically not feasible.

This breakthrough has been made

possible through the innovative idea of Prof Dr Khushi Muhammad at Department of Microbiology and successfully executed by Mr Haisem-ur-Rasool, an MPhil student in Clinical Medicine, supervised by Dr Muhammad Avais and Prof Dr Masood Rabbani.

This novel chemo-immunotherapy uses combinations of antibiotics, NSAIDs, Vitamin E+ Selenium and oil based RB-51 brucella+FMD vaccines. This novel treatment protocol has been successfully implemented on large numbers of dairy farms across the country.

## Dairy students win honour for UVAS

Students of Department of Dairy Technology won third position and cash prize in "1st international workshop and competition of Food Product Development". The competition was held in the Superior University in which 32 universities of Punjab participated. The products were evaluated on sensory scale by a panel of senior personnel of the industry. The products presented were Stall No 1 Rabri and Flavour milk; Stall No 2 Camel milk, Nuts Samosa and Date Shakes; Stall No 3 Ice-cream made from camel, cow and buffalo milk.

## Dr Tayyab attends congress in Dubai



Dr Muhammad Tayyab, Assistant Professor, Institute of Biochemistry and Biotechnology, UVAS, won a travel grant from HEC for presenting his research findings titled "Reduction and Characterization of Recombinant Enzymes for Poultry Feed Industry" as resource person at 2nd World Congress and Expo on Biotechnology and Bioengineering 2018 in Dubai. BioCore Group Virginia, organised the event.

## Attends conference in Thailand

Muhammad Asif Ali, lecturer of Food Science and Human Nutrition Department, attended the



International Conference on Public Health at Bangkok, Thailand. Asif delivered a presentation on "Association of Lifestyle and Dietary Habits with Blood Choline and Cardiovascular Outcome" and highlighted UVAS efforts in health sector.



## Award of M. Phil Degrees During Month of July 2018

Name of Student	Department	Supervisor	Title of Thesis
Amna Yaqub	Microbiology	Dr. Imran Altaf	Antibiotic Susceptibility of Different Isolates from Ophthalmic Patients
Zeeshan Fatima	Epidemiology and Public Health	Dr. Muhammad Hassan Mushtaq	Study of Periodontal Infections as a Risk Factor in Developing Cardiovascular Diseases in Tertiary Care Hospitals District Lahore
Ayesha Nosheen	Epidemiology and Public Health	Prof. Dr Mansur ud Din Ahmad	Identification of Risk Factors in Causing Head and Neck Cancers in Tertiary Care Hospital District Lahore
Rizwan Ahmed	Pathology	Dr. Gulbeena Saleem	Comparative Efficacy of two Commercially Available Toxin Binders Against Experimental Aflatoxin Infection of Broiler Chickens
Hafiza Sadaf Razzaq	Molecular Biology and Biotechnology	Dr. Ali Raza Awan	Codon Optimization of Capsid Proteins Genes of Fmdv Strains from Pakistan for Enhancement of Gene Expression in <i>Pichia Pastoris</i>
Hina Maqsood	Biochemistry	Mr. Shahid Abbas	Meta-Analysis of Prevalence of Hepatitis C Virus in Punjab and Comparative Homology in Other Mammalian Species
Sehrish Saleem	Clinical Medicine	Dr. Muhammad Ijaz	Prevalence, Molecular Diagnosis and Therapeutic Trial of Equine Granulocytic Anaplasmosis
Muhammad Mohsin Ali	Clinical Medicine	Dr. Jawaria Ali Khan	Efficacy of Trisodium Citrate, Zinc and Acidified Copper Sulphate for the Treatment of <i>Staphylococcus Aureus</i> Subclinical Mastitis in Lactating Cattle
Muhammad Asif	Clinical Medicine	Dr. Muhammad Avais	Identification of the Effect of Mastitis on Productive and Reproductive Efficiency in Dairy Buffaloes
Abdul Qadeer	Clinical Medicine	Dr. Muhammad Avais	Evaluation of <i>In-Vitro</i> and <i>In-Vivo</i> Efficacy of <i>Hedera Helix</i> Extracts Against <i>Haemonchus Contortus</i> in Sheep
Painda Bakht	Clinical Medicine	Dr. Muhammad Ijaz	Seroprevalence, Associated Risk Factors and Chemotherapy of Bovine Leptospirosis at Rajanpur District
Muhammad Ahmed Aleem Khadim	Veterinary Surgery	Dr. Naveed Hussain	Comparative Efficacy of Single Layer and Double Layer Suturing With Stapling Technique for end-to-end Anastomosis of Esophagus in Dog
Tariq Mehmood	Veterinary Surgery	Prof. Dr. Muhammad Arif Khan	Effects of Variable Degrees of Jejunal Resection on Clinico-Biochemical Parameters in Cats
Tayyaba Zahra	Pet Animal Practices	Dr. Shehla Gul Bokhari	Comparative Efficacy of Fluralaner and Ivermectin (Oral Preparation) against Tick Infestation in Dogs
Zaeem Sarwar	Theriogenology	Prof. Dr. Nasim Ahmad	Effect of Follicular Size on Oocytes Recovery Rate, Quality and <i>In-Vitro</i> Developmental Competency in <i>Bos Indicus</i> Cows
Muhammad Tayyab Khan	Theriogenology	Dr. Amjad Riaz	Effect of Ginseng on Reproductive Performance of Aged Balb/C Mice

Muhammad Saad	Theriogenology	Prof. Dr. Nasim Ahmad	Effect of Corpus Luteum (Cl) on Recovery Rate, Quality and <i>In-Vitro</i> Developmental Competence of Oocytes in <i>Bos Indicus</i> Cows
Jafer Nawaz	Parasitology	Prof. Dr. Imran Rashid	<i>In Vitro</i> Optimization for Cultivation of <i>Babesia Spp.</i> in three Different Media; a Pre- requisite for Preparation of Vaccine
Imtiaz Raheem	Parasitology	Prof. Dr. Imran Rashid	<i>In Vivo</i> Cultivation of <i>Babesia</i> Species in Calves; a Pre-Requisite for Development of Live Attenuated Vaccines Against <i>Babesia</i> Species
Adeel Ahmad	Wildlife and Ecology	Dr. Ali Hussain	Biosorption of Toxic Metals from Wastewaters Using Chicken Feathers as Novel Biosorbents
Muhammad Idrees Khan	Wildlife and Ecology	Dr. Arshad Javid	Distribution and Current Status of Markhor in Suleiman Mountain Range, Pakistan
Hira Rafiq	Zoology	Dr. Arshad Javid	Morphology of Some Chiropteran Species and Assessment of their Foraging Patterns
Nida Irshad	Zoology	Dr. Sidra Safdar	Urban Air Pollution and Bioaccumulation of Heavy Metals in the Body Tissues of Some Common Avian Species
Nabila Shehzadi	Zoology	Dr. Ali Hussain	Distribution and Diversity of Fresh Water Fish in Kalabagh Game Reserve, District Mianwali, Punjab, Pakistan
Rafia Bakht Ali	Zoology	Dr. Shahzad Ali	Seroepidemiology and Molecular Detection of Brucellosis in Child Bearing Age Women of Selected Districts of Punjab, Pakistan

### Award of Ph.D Degrees During Month of July 2018

Muhammad Imran	Animal Nutrition	Prof. Dr. Talat Naseer Pasha	Evaluation of Different Strategies to Improve the Dietary Nitrogen Efficiency in Lactating Dairy Cows in Pakistan
Muhammad Zafar Ullah Khan	Animal Nutrition	Prof. Dr. Talat Naseer Pasha	Studies on Status of Calcium and Phosphorus in Cattle and Buffaloes of Canal Irrigated Zones of Punjab
Amjad Khan	Epidemiology and Public Health	Dr. Muhammad Hassan Mushtaq	Molecular Epidemiology, Seroprevalence and Risk Factors Analysis of Equine Influenza Viruses
Muhammad Nisar	Epidemiology and Public Health	Prof. Dr. Mansur-ud-Din Ahmad	Molecular Epidemiology of <i>Campylobacter</i> Species Isolated from Meat Sources in Lahore, Pakistan
Khalid Abdul Majeed	Physiology	Prof. Dr. Habib ur Rehman	Effects of Dibutyl Phthalate as an Endocrine Disruptor on Growth, Glucose Homeostasis, Lipid Metabolism and Redox Status in Laboratory Animals
Munawar Hussain	Poultry Production	Prof. Dr. Athar Mahmud	Effects of Lysine Levels with Digestible Amino Acids on Growth Performance, Carcass Evaluation, Productive and Reproductive Traits of Aseel Chicken

## Caretaker Minister for Livestock visits UVAS Ravi Campus Pattoki



Caretaker Minister for Livestock & Dairy Development Punjab Mian Nauman Kabir paid a visit to the University of Veterinary and Animal Sciences Lahore's Ravi Campus Pattoki.

Accompanied by Vice-Chancellor Prof Dr Talat Naseer Pasha and Pattoki Assistant Commissioner Muhammad Tayyeb Khan, the minister took a round of Information Technology Center, Central Laboratory Complex, Milk Plant & Mini Dairy Processing Unit (Camel Milk),

Dairy Animal Training & Research Center, clinics, zoological museum and fish hatchery. He also planted a sapling in front of Central Laboratory Complex.

The Vice-Chancellor briefed the minister on academic and research activities, dairy & advisory services, clinical & disease diagnostic facilities, various laboratories analysis/tests conducted in the Central Laboratory Complex, training programmes etc. The minister said that development of livestock sector was a

government priority. He appreciated state-of-the-art disease diagnostic labs, quality of education & research, dairy management trainings and clinical services of UVAS.

### Vision of UVAS

The university aspires to be the nation's leading public sector university with global recognition due to its quality in teaching and research, civic engagement and economic development.

## Extension training workshop on animal nutrition

The University of Veterinary & Animal Sciences (UVAS) Lahore in collaboration with Agriculture Value Chain Collaborative Research (AVCCR) Dairy Beef Project funded by the Australian government organised a 3-day 2nd extension training workshop on "Basic Principles of Animal Nutrition".

Vice-Chancellor Prof Dr Talat Naseer Pasha chaired the concluding session of the workshop and distributed certificates among participants. AVCCR Project Manager Dr Hassan Mahmood Warraich, Mr Peter Wynn and a number of livestock professionals, farmers and participants from 22 organisations throughout Pakistan were present.

In his address, Prof Pasha said that livestock is the source of livelihood of poor farmers and key to socio economic development. He said it is direly needed to provide basic facilities for extension services in terms of awareness



about animal health, treatment, nutrition, modern ideas of production, rural entrepreneurship for the profitability of poor farming community.

Earlier, Mr Peter Wynn spoke about the project and village based entrepreneur model. Dr Hassan spoke about extension material, whole family approach, innovative ways of extension, data collection working and model for capacity building of poor livestock farmers, etc.

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