

فرار خواب سی دنیا دکھائی دیتی ہے
جو لوگ جاں جہاں تھے ہوئے فسانہ وہ

ڈاکٹر ظفر الطاف مرحوم

بکسان نظام تعلیم کا ادھورا خواب۔ کئی طرح کی مہمیں لڑنے کے باوجود تعلیم کی جدوجہد کرتے چلا گیا۔ اس سے پہلے وہ پری پری صاحب کیم کالج میں تھے۔ ان کے بچے کو بچوں کے لئے کھانا دینا اور بچوں میں کھانا دینا دیکھ کر وہ تعلیم کے بارے میں سوچنے لگے۔ ان کے بچے کو بچوں کے لئے کھانا دینا دیکھ کر وہ تعلیم کے بارے میں سوچنے لگے۔ ان کے بچے کو بچوں کے لئے کھانا دینا دیکھ کر وہ تعلیم کے بارے میں سوچنے لگے۔



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ایڈیٹر: ڈاکٹر خالد محمود شوق
ایڈیٹر: ڈاکٹر محمد جاسر آفتاب
ایڈیٹر: ڈاکٹر فیصل آباد

جلد نمبر 03 15 اکتوبر 2018 صفحات 12 قیمت 150 روپے شمار نمبر 46 ABC تصدیق شدہ

11، 12 دسمبر 2018ء کو اولپنڈی میں نیشنل پولٹری سمپوزیم برائے ہیلتھ اینڈ ویلفیئر کی تیاریاں جاری ہیں

ڈی ورلڈ پولٹری سائنس ایسوسی ایشن پاکستان برانچ کے نائب صدر ڈاکٹر ناصر علی کی زیر اہتمام کیڑا اینڈ ویوز کے نمائندہ سے بات چیت ڈی ورلڈ پولٹری سائنس ایسوسی ایشن کی بین الاقوامی تنظیم کی طرف سے ٹریڈ گرانٹ کی فراہمی کا منصوبہ کوئل پینڈی میں 11 آف ویٹرنری میڈیسن امریکہ کے ایڈمنسٹریٹو پروگرام کے سیکریٹ برائے ایڈمنسٹریٹو ڈاکٹر چارو جی، شیکھائی ویٹرنری ریسرچ انسٹی ٹیوٹ چین میں این ڈی (رانی قیمت) کی بیماری کے بین الاقوامی ماہر پروفیسر ڈاکٹر چانگ ڈنگ اور ویٹرنری سائنس کے ماہر ڈی ویٹرنری سائنس کے



ان سیشن میں ریفرنسز پیش کیا کریں گے۔ ڈاکٹر چانگ ڈنگ کی تقریر کے بارے میں ڈاکٹر ناصر علی نے بتایا کہ پولٹری سائنس ایسوسی ایشن پاکستان برانچ کے نائب صدر ڈاکٹر ناصر علی کی زیر اہتمام کیڑا اینڈ ویوز کے نمائندہ سے بات چیت ڈی ورلڈ پولٹری سائنس ایسوسی ایشن کی بین الاقوامی تنظیم کی طرف سے ٹریڈ گرانٹ کی فراہمی کا منصوبہ کوئل پینڈی میں 11 آف ویٹرنری میڈیسن امریکہ کے ایڈمنسٹریٹو پروگرام کے سیکریٹ برائے ایڈمنسٹریٹو ڈاکٹر چارو جی، شیکھائی ویٹرنری ریسرچ انسٹی ٹیوٹ چین میں این ڈی (رانی قیمت) کی بیماری کے بین الاقوامی ماہر پروفیسر ڈاکٹر چانگ ڈنگ اور ویٹرنری سائنس کے ماہر ڈی ویٹرنری سائنس کے

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MINISTER LIVESTOCK SARDAR HUSNAIN BAHADUR DARESHAK VISITS UVAS RAVI CAMPUS PATTOKI

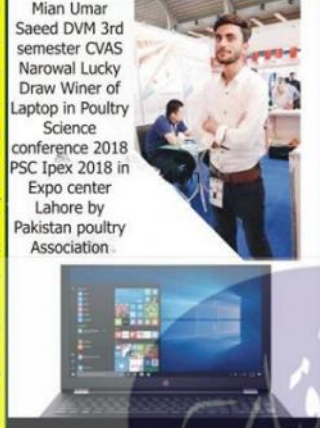
Visited along with Former Federal Minister for Privatization/President WWF Pakistan Altaf M Saleem and UVAS Vice-Chancellor Meritorious Prof Dr Talat Naseer Pasha in various departments of Ravi Campus Pattoki including Dairy Training and Research Center, Sheep & Goat Research Center, Zoological Museum and Fish Hatchery, Ostrich Farms, Clinics (clinical Centrum) and Foreign Faculty Hostels.

Lahore: The Minister for Livestock & Dairy Development Punjab Sardar Husnain Bahadur Dareshak paid a visit of the University of Veterinary and Animal Sciences (UVAS) Lahore's Ravi Campus Pattoki. Minister visited along with Former Federal Minister for Privatization/President WWF Pakistan Altaf M Saleem and UVAS Vice-Chancellor Meritorious Prof Dr Talat Naseer Pasha in various departments of Ravi Campus Pattoki including Dairy Training and Research Center, Sheep & Goat Research Center, Zoological Museum and Fish Hatchery, Ostrich Farms, Clinics (clinical Centrum) and Foreign Faculty Hostels. They visited different section of recently established Akram Complex comprising an auditorium hall, library, cafeteria and VC office with all facilities. During visit Minister Livestock planted a sapling in front of Akram Complex. Later, the Minister visited Central Laboratory Complex (CLC) which is comprising on different laboratories including Animal Nutrition Lab, Diagnostic Lab, Genetics and Genomics Lab, Leather and Fiber Lab, Feed Chemistry Lab, Meat Technology Lab, Feed Hygiene and Safety Lab, Food Micro-

structure lab, Sensory Evaluation lab and In-vitro Embryo production lab. All the heads of the laboratories briefed minister regarding the functioning, researches, semen, food & feed analysis and services for poultry, dairy and feed industries and also for livestock farm as well.

The aim of the Minister visit was to check the laboratories facilities and innovative research of UVAS regarding disease diagnosis, adulteration, reproduction of dairy animals, food, feed and semen analysis for the uplift of livestock sector in Punjab. He appreciated UVAS state-of-the-art disease diagnostic labs facilities, quality of education & research, dairy management training and providing clinical services for the benefit of poor farming community.

Speaking on the occasion, Vice-Chancellor Dr. Pasha said in future for the facilitation of farming community UVAS will establish a radio station. He also briefed the Minister on the UVAS academic research, dairy training & advisory services, clinical & diagnostic facilities, various laboratory facilities analysis test conducted in Central Laboratory Complex (CLC) and training programmes etc. He said UVAS laboratories are equipped with latest technology and highly trained human resource to provide the best training to university students and the latest clinical facilities to the poor farming community. During visit they also met the participants of dairy training and VC advised them to spread your knowledge among other professionals which learnt from this dairy training.



Mian Umar Saeed DVM 3rd semester CVAS Narowal Lucky Draw Winner of Laptop in Poultry Science conference 2018 PSC Ipex 2018 in Expo center Lahore by Pakistan poultry Association

SPACE WEEK CELEBRATION THEMED "EXPLORING NEW WORLDS IN SPACE"

It was arranged by UAF in collaboration with Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)

Faisalabad: It is the need of the hour to produce skilled manpower in space sciences to benefit the mankind and to compete with world advancements including Precision Agriculture, Information Technology, Global Positioning System (GPS), geographic information system (GIS), modern disaster management system, Information technology and others areas, said University of Agriculture Faisalabad (UAF) Vice Chancellor Dr Zafar Iqbal Randhawa. He chaired the Space Week celebration on Monday themed "exploring new worlds in space". It was arranged by UAF in collaboration with Pakistan Space and Upper Atmosphere Research Commission (SUPARCO). It featured the different programs including water rocket competition, an awareness walk, and a central function at the Iqbal Auditorium in which school students from 20 schools across the district participated. Un-declared World Space Week 2018 was themed at "Space Unites the World". The Vice Chancellor said the country dependence on space applications and information was boosting up to catch the speed of the technology and science advancement. The satellites are used to identifying, and forecasting the natural disaster, he said, adding that due to satellite, now we can identify rainfall, its impact on human as well as on agriculture and we can take precautionary measures. He said that the nations had proved their mettle on economic and defense grounds due to the technological and scientific advancement. He said that Muslim world was lagging behind in the modern technological uplift.



A beautiful Bouquet and a Plaque of Badshahi Mosque made of Wood and Petal was Presented to renowned Journalists MUJEEB UR REHMAN SHAMI, IRSHAD ARIF for their gracious presence in an Interactive Session with Media on Misconceptions about Poultry Products during International Poultry Expo-18 byraza khursand CO, khalceq arshad and chairman ppa NZ ch tahseen nusrat.

many researches relating to the space sciences to face up to the modern world. The world has become the global village because of technological advancement, he said, adding that it was the result of satellites and knowledge of space sciences. Principal Officer Laboratory School System Dr Haq Nawaz Bhatti said the celebrations would encourage students about science, technology and engineering and to foster cooperation in space sciences.

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6 اکتوبر کو ڈاکٹر احمد راشد چوٹی مرتبہ پی وی ایم سی کے بلا مقابلہ صدر منتخب ہو گئے
پی وی ایم سی کے صدر کا انتخاب ایک سال کے لیے کرتے ہیں۔ ان کے لیے ایک جڑاوردہ پی سی سال میں ایک بار کرتے ہوگی۔
ان کے لیے ایک سال کے لیے کرتے ہیں۔ ان کے لیے ایک جڑاوردہ پی سی سال میں ایک بار کرتے ہوگی۔

ڈاکٹر خالد محمود شوخی
0332-1620616

ویٹرنری نیوز اینڈ ویوز
ایڈیٹر: ڈاکٹر محمد جاسر قلاب
ایڈیٹر: ڈاکٹر خالد محمود شوخی
ایڈیٹر: ڈاکٹر خالد محمود شوخی

پاکستان میں پولیٹری فیڈ کی قیمتیں غلط وقت میں بڑھائی گئی ہیں رضا محمود خورسند

پاکستان پولیٹری ایسوسی ایشن کے سابق مرکزی چیئرمین و چیف آرگنائزنگ انٹرنیشنل پولیٹری ایکسپو 2018 رضا محمود خورسند کی تلخ لکین حقائق سے بھر پور گفتگو

مال روڈ پر راکر فارمز احتجاج کر رہے ہیں اس میں ان کا کیا قصور ہے ان کو تکلیف پہنچی ہے جس کا ازالہ ہونا چاہیے۔ پچھلے 4 سال سے جو بھی طور پر راکر فارمز نے زیر دست نقصان اٹھایا ہے ان کے لیے کوئی کارساز طریقہ درست ہو گیا ہے اور وہ اس میں ان سے آؤٹ بھی ہو گئے ہیں۔
ان کے لیے کوئی کارساز طریقہ درست ہو گیا ہے اور وہ اس میں ان سے آؤٹ بھی ہو گئے ہیں۔
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پروفیسر ڈاکٹر انار احمد خاں کوزرعی یونیورسٹی فیصل آباد کی سنڈیکیٹے ز فارغ کر دیا

سنٹر فار ایڈوانس سٹڈیز CAS کا چارج پروفیسر ڈاکٹر اشفاق احمد چھٹھہ کے سپر ڈیپارٹمنٹ کو تنخواہوں کی ادائیگی کیلئے آرڈر جاری

فیصل آباد (لنڈا، خصوصی) ذریعہ پروفیسر ڈاکٹر اشفاق احمد چھٹھہ نے یونیورسٹی کے ایسوسی ایٹ پروفیسر ڈاکٹر انار احمد خاں کو کوزرعی یونیورسٹی فیصل آباد کی سنڈیکیٹے ز فارغ کر دیا۔
ان کے لیے کوئی کارساز طریقہ درست ہو گیا ہے اور وہ اس میں ان سے آؤٹ بھی ہو گئے ہیں۔
ان کے لیے کوئی کارساز طریقہ درست ہو گیا ہے اور وہ اس میں ان سے آؤٹ بھی ہو گئے ہیں۔

ڈاکٹر صبار رفیق کیلئے پاکستان پولیٹری ایسوسی ایشن کی طرف سے پی ای لے ریسرچ ایڈوائز کا اعلان

پی ای لے کی طرف سے پولیٹری سائنس کالغز میں بہترین مقالہ نگارین کے لیے ڈاکٹر صبار رفیق کیلئے پاکستان پولیٹری ایسوسی ایشن کی طرف سے پی ای لے ریسرچ ایڈوائز کا اعلان کیا گیا ہے۔

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URL: www.starlabs.com.pk

پاکستان میں مویشیوں کو منہ کھر کی بیماری کے خاتمے تک ویکسین مفت لگائی جائے گی

ایف اے اے اے نے میٹروپولیٹن ورکس کر دیا ڈاکٹر قمر ایمن اور ڈاکٹر انور اللہ پنہور راجی کا دورہ کریں گے شاعری کے اطلاع

ایف اے اے اے نے میٹروپولیٹن ورکس کر دیا ڈاکٹر قمر ایمن اور ڈاکٹر انور اللہ پنہور راجی کا دورہ کریں گے شاعری کے اطلاع

ویژگی‌های ویژه

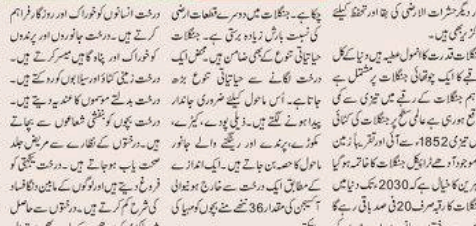
”گندے انڈوں سے اجتناب ضروری ہے“

گندے انڈوں سے اجتناب ضروری ہے“

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جنگلات کا فروغ انسانی و جنگلی حیات کی

سچ ہے اور اس کو بونے گئے تھے کہ خبر ملی 20 سے 27 ڈگری منفی گریڈ تک گرم بھی مایا جا رہی تھی جس سے انسانوں اور دیگر جانداروں کو صحت مندی اور تسکین محسوس ہوتی ہے۔



جاسکی۔
 ۱۔ صوفیوں کا بیان ہے کہ اگرچہ
 ۲۔ صوفیوں کا بیان ہے کہ اگرچہ
 ۳۔ صوفیوں کا بیان ہے کہ اگرچہ
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 ۱۰۔ صوفیوں کا بیان ہے کہ اگرچہ

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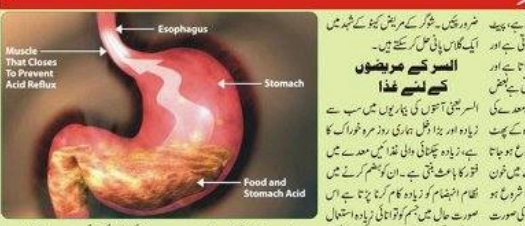
حيوانات / حشرات

سے متعلقہ ارشادات ربانی

بخت بیدار خان، عبدالشکور چوہدری، نواز احمد

زرعی یونیورسٹی فیصل آباد

Stomach Ulcer

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یہاں پر ہے۔

[illegible]

13 فہم روائی جسے روائی 13

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0333-5221837

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فیصل آباد سے

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UVAS ORGANISED SEMINAR ON BREASTFEEDING

The Department of Food Science and Human Nutrition of the University of Veterinary and Animal Sciences (UVAS) Lahore arranged a seminar on "Sustaining breastfeeding together" as part of "World Breastfeeding Week".

Lahore: The Department of Food Science and Human Nutrition of the University of Veterinary and Animal Sciences (UVAS) Lahore arranged a seminar on "Sustaining breastfeeding together" as part of "World Breastfeeding Week" in City Campus Lahore. Vice-Chancellor Meritorious Prof. Dr. Talat Naseer Pasha chaired the concluding session of the seminar while Prof. Dr. Nosheen Javaid, representative IRMNCH Primary and Secondary Health care, community health workers and mothers from the local community attended the lecture about the health benefits of breastfeeding for mother and newborn.

Speaking on the occasion, the Vice-Chancellor highlighted the importance of breastfeeding and its health benefits. He said that it has a healthy impact on mental, emotional and physical growth of babies. It also addresses the malnutrition issues of babies, Prof. Pasha added.

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UVAS LAUNCHES DRIP IRRIGATION SYSTEM AT RAVI CAMPUS

Lahore: The University of Veterinary and Animal Sciences Lahore has launched drip irrigation system at its Ravi Campus Pattoki to save precious water under an Agricultural Water Efficiency Project funded by the Nestle Pakistan.

Nestle Pakistan's Chief Executive Officer Freda Duplan accompanied by UVAS Vice-Chancellor Prof. Dr. Talat Naseer Pasha and other officials inaugurated the project by unveiling a project plaque and watering newly-planted saplings.

Freda Duplan and other officials of the water company also planted mango plants on the occasion. While listing the benefits of the drip irrigation system, the UVAS Agriculture Officer Jamshaid Ahmad told Mrs. Duplan and the Vice-Chancellor that the drip system saves a lot of water in time. He said that 15 million liters water is saved annually by watering the UVAS orchard through the drip irrigation system. It takes only 45 minutes to water all plants of the orchard spread over about seven acre land while earlier it took more than 24 hours to water these plants through flood irrigation system, the officer said, adding that canal water is being used in the drip system which also controls salinity.

Freda Duplan also visited Central Laboratory Center comprising Food Chemistry Lab, Food Safety Lab, Embryology Lab, Animal Nutrition Lab, Diagnostic Lab, Meat Technology Lab, Bio-imaging Lab, etc., where university researchers briefed her on labs functioning and benefits.

Earlier, in a meeting, the Vice-Chancellor gave a presentation to the visiting dignitary on the UVAS functioning, various campuses, faculties, research, extension and training programmes, national and international linkages, university ranking among top Asian universities, etc.

Prof. Pasha said that applied research is priority of the university and currently Rs 1.261 million research projects won on competitive basis from national and international funding agencies are being executed by the UVAS faculty members. He said that due to its quality education and research, the UVAS has been ranked among top Asian universities by the QS and Times Higher Education ranking. The CEO Nestle Pakistan Ms. Freda Duplan led a delegation comprising Head of Corporate Affairs Waqar Ahmad, Head of Technical Amr Rehan, Head of Agri Services Ahsan Ali, Corporate Regulatory and Scientific Affairs Manager Dr. Farhat Jameel, Dairy Development Manager Sohail Sarwar, Supplier Dev. & Sustainable Agri. Manager Mehboob Elahi, Sustainable Agriculture Specialist Allah Buksh, Assistant Mgr. Corporate Regulatory and Scientific Affairs Mian Mitha and Public Affairs Manager Ateekah Mir-Khan paid visits University of Veterinary and Animal Sciences (UVAS) Ravi Campus Pattoki on Tuesday.

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UNOPPOSED ELECTION RESULT OF PAKISTAN POULTRY ASSOCIATION (NZ) FOR THE YEAR 2018-2019

ZEC MEMBERS PPA (NZ)

Sr No	Name	Class	Company Name	District
1.	Ch. Muhammad Nusrat Tahir	Zonal Chairman Corporate	CMI POULTRY FARM	Lahore
2.	Mr. Shahid Mehmood Dar	Member ZEC Corporate 1 st Year	CHERRY IMPEX INTERNATIONAL	Lahore
3.	Dr. Abdul Karim	Member ZEC Corporate 1 st Year	BIG FEED (PVT) LIMITED	Lahore
4.	Mr. Hamza Tariq Sufi	Member ZEC Corporate 2 nd Year	HAMZA FOODS (PVT) LTD	Lahore
5.	Dr. Asim Mehmood Khan	Member ZEC Corporate 2 nd Year	FORWARD SOLUTION	Lahore
6.	Rana Ghulam Mustafa	Member ZEC Associate 1 st Year	AL-MUSTAFA POULTRY BREEDING COMPANY	Arifwala
7.	Rana Ghulam Sabir	Member ZEC Associate 1 st Year	PASBAN POULTRY (PVT) LTD	Okara
8.	Mr. Ghulam Sabir	Member ZEC Associate 1 st Year	FIVE STAR FEEDS	Gujranwala
9.	Mr. Shahid Iqbal	Member ZEC Associate 1 st Year	ASM PHARMA	Lahore
10.	Dr. Qasim Altaf	Member ZEC Associate 1 st Year	QASIM POULTRY FARM	Faisalabad

UAF ARRANGED FEMALE CYCLING RACE HELD IN CONNECTION WITH SPACE WEEK CELEBRATIONS

Faisalabad: The University of Agriculture Faisalabad on Tuesday arranged female cycling race held in connection with Space Week celebrations in which 28 students of the Laboratory High School participated.

The event was arranged by the Office of Research, Innovation and Commercialization (ORIC), UAF in collaboration with Pakistan Space and Upper Atmosphere Research Commission (SUPARCO) in front of Sports Ground UAF. The event was inaugurated by UAF Vice-Chancellor Dr. Zafar Iqbal Randhawa whereas ORIC Director Dr. Zahid Ahmad Zahir, Principal of Sports Schools Dr. Haq Nawaz Bhatti, Dr. Abdul Rasheed, Dr. Abdul Naveed, Dr. Shahzad Basra, Laboratory Girls High School Principal Shehla Hamid, Laboratory Boy High School Saif Ullah Saif, Dr. Khuram Zia and other notables also attended the event.

At the race, Hanna Aslam clinched the first prize while Faiza Noor got the second position whereas Maham Ali stood third. Seven rounds were held at the racing contest whereas four students participated in one go. Talking to the participants, he said that there is a need to promote healthy activities in the different segments of the society. He added that cycling is not only keeping people healthy but also it is environment friendly and pollution free source of transportation. He urged the racing faculty to use cycles within the campus so that trickled-down effect will come among the students. He said that the people usage of the cycling or walking had decreased manifold due to usage of vehicles. He added that we have to educate the people about its importance and to bringing the changes in their lives in terms of simple and environment friendly life. Talking about cycling in women, he said that the UAF was running programme to promote the cycling in the female students. He said it will facilitate them to cover the distance in low time.

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DELEGATE / CEC MEMBERS PPA (NZ)

Sr No	Name	Class	Company Name	District
1.	Rana Saleem Akhter	Senior Vice Chairman Associate	SALEEM AKHTAR POULTRY SERVICES	Faisalabad
2.	Dr. Sajjad Arshad	Member CEC Corporate 1 st Year	DR. SAJJAD ARSHAD POULTRY FARM	Faisalabad
3.	Mr. Bilal Shaukat	Member CEC Corporate 1 st Year	RUB ASSOCIATES	Rawalpindi
4.	Ch. Aamir Waheed	Member CEC Corporate 1 st Year	WELL PHARMACEUTICALS	Lahore
5.	Ch. Abdul Majeed	Member CEC Corporate 2 nd Year	PAKISTAN POULTRY FARM	Rawalpindi
6.	Raja Azhar Mehmood	Member CEC Corporate 2 nd Year	GRAND CHICKS	Chakwal
7.	Dr. Khalid Mehmood Shouq	Member CEC Associate 1 st Year	THE NEWS & VIEWS	Faisalabad
8.	Dr. Masud Sadiq Chaudhary	Member CEC Associate 2 nd Year	SYNERGY PHARMA	Faisalabad
9.	Dr. Wajid Raza Jaferi	Member CEC Associate 2 nd Year	DAWN POULTRIES	Lahore
10.	Haji Mukhtar Ahmed	Member CEC Associate 2 nd Year	HAMDARD POULTRY SERVICES	Faisalabad

UVAS, CHINESE INSTITUTE SIGN MOU

Lahore: The University of Veterinary and Animal Sciences (UVAS) Lahore and Lanzhou Veterinary Research Institute (LVRI) China signed a memorandum of understanding here Friday.

Vice-Chancellor Prof. Dr. Talat Naseer Pasha and LVRI Director Prof. Dr. Hong Yin signed the MoU at a ceremony on UVAS City Campus. Under the MoU, the two parties will jointly work for control and prevention of trans-boundary diseases. They will conduct collaborative research for human resource development and exchange faculty and students. Focal persons for both institutions were nominated on the occasion.

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DIGITAL SOLUTIONS LAUNCHED FOR FEED PRODUCERS

A new cloud-based framework can reduce energy consumption for industrial feed drying processes, reduce mycotoxin contamination and increase traceability.

The platform is developed by Bühler in cooperation with Microsoft and is called **Bühler Insights**: a single IoT platform that runs all of Bühler's digital services and enables customers to access these services via a single portal.

Reducing energy costs and remove aflatoxins

The platform includes a number of digital services such as **MoisturePro**, a cloud-based digital service that drives significant improvements in yields, reduces energy costs and the environmental footprint of thermal processing in the food and feed industry. Harnessing the power of cloud connectivity, it can deliver a return on investment of US\$ 300,000, translating to an annual energy savings of US\$ 20,000. Another is **LumoVision**, which can identify and remove corn (maize) that has been contaminated with toxic **aflatoxin**. 2 additional image-processing Bühler Insights solutions are **GrainGo™ for corn** and **TotalSense™ for rice**. These solutions enable customers to assess raw material quality and trends, compare performance objectively and consistently, and store data for future analysis and traceability.

More to come: Blockchain for food safety

Bühler Insights, with its first set of digital services running on this platform, is just the start of this endeavour. Blockchain is an ideal way to record actions and transactions, because it's very difficult to change or tamper with. Bühler and Microsoft are working together on the development of a blockchain solution that will increase food safety and transparency across the food value chain. Blockchain can help the food industry in many ways. Take food contamination for example, in the first eight months of this year, the US Food and Drug Administration recorded around 120 cases of food and feed contamination in the US. This included contamination from Salmonella, listeria monocytogenes, glass, metal, and rodent droppings. With blockchain, companies can also track quality and location.

Launched at Ignite conference

These innovations were discussed at the Microsoft conference Ignite, where In his Ignite keynote, Satya Nadella, CEO of Microsoft, highlighted Bühler's critical role in the world's food supply and its work to use digital technology to ensure true food safety. Watch the video below.

LumoVision can identify and remove corn (maize) that has been contaminated with toxic aflatoxin.

SEA: GROWING INTEREST IN CAGE FREE EGG PRODUCTION

Dozens of farmers from across South East Asia (SEA) have attended the region's first dedicated workshop on cage free egg production.

Organised by the Indonesian Veterinary Medical Association and Humane Society International, the event in Surabaya brought together food industry leaders, technical specialists, egg producers, academics and poultry equipment manufacturers to share experiences and provide technical advice.

Speakers included poultry housing and design expert Jasper Heerkens, representatives from HSI, international food supplier Sodeco, poultry breeding company Lohmann Tierzucht, poultry equipment supplier Big Dutchman, certification body Humane Farm Animal Care, Indonesia-based hospitality company Potato Head Family and 80 egg producers from Malaysia, Indonesia and Singapore.

Topics on the agenda included global and South East Asia market trends for cage-free products, the scientific basis for cage-free egg production, the standards and criteria required for animal welfare certification, cage free corporate social responsibility procurement policies and advice on the successful management of cage-free layer flocks.

Dawn Neo, HSI's corporate outreach manager for farm animals in Asia, said she was delighted with the positive responses received from the workshop: "We want to ensure that egg producers and companies in Southeast Asia have the tools and resources necessary to successfully ensure a cage-free future for laying hens."

In recent years, animal welfare has been going up the agenda in the region as part of a major shift towards more ethical sourcing of animal products. Multi-national companies with operations in Asia, such as Accor Hotels, Compass Group, Sodexo and Unilever are joined by Asian leaders such as Carrefour Taiwan, Grand Hyatt Singapore, Andaz Singapore, Salad Stop!, the Privé group and the Lo and Behold Group in committing to 100% cage-free egg supply chains.

And as food and hospitality leaders around the world adopt cage-free egg policies, egg producers are transitioning to higher welfare animal production systems to meet the growing demand in the region. This includes major companies such as Charoen Pokphand Foods, Betsagro of Thailand, San Miguel Corporation and Bounty Fresh of the Philippines.

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4 اکتوبر کو دنیا بھر میں جانوروں کا عالمی دن منایا گیا

پاکستان کے مختلف شہروں میں تقاریب کا انعقاد، بروک پاکستان، محکمہ اینڈریڈی ڈیولپمنٹ پنجاب، زرعی یونیورسٹی فیصل آباد، یونیورسٹی آف ویٹرنری اینڈ ٹیمپل سائنسز لاہور میں ریلیاں، سیمینارز اور واکس کا اہتمام کیا گیا

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خصوصی کے خطاب کے علاوہ تہذیب میں
مقامی زبانوں کی طرف بھی توجہ دے رہا تھا
دی۔ مگر عباسیوں نے وہی تہذیب جسے آخر
میں تمام ممالک میں پھیل گئی تھی
فریادت اور اپنے جتنے خیالات کے اظہار
پہنچا کر دیا۔

ابن خلدون کی زندگی میں ہی
ویزیر سائینس کے دربار میں ہی
میں تہذیب متاثر کیا۔ ان کے حوالے سے
ابن خلدون کی سائنس دانوں کو تھرا تھا
قربانی کی قیادت میں اپنی پاک ملک
طوائف کی لاپرواہی میں اساتذہ اور
ان کی طرف سے ان کے دربار میں ہی
کی تہذیب اور سہولت کے حوالے

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ہوئے تیار کہ ہر ایک عالمی، غیر
 برادری، قلمی تنظیم نے جو اصولوں، اصولوں
 و چاروں کو زندہ بنی ہے جس نے
 کرتی ہے جو ترقی پزیر ملک کے
 لوگوں کو اپنے کام کے فروغ کے
 لئے متوجہ فراہم کرتی ہیں۔ انہوں نے
 جو کہا کہ ان اور برادری، غیر برادری
 کے اصولوں کو سامنے رکھ کر ان کے
 ترقی پزیر کام کے فروغ کے
 کام کرنے کی صورت حال اور زندگی میں
 برادری کیلئے ایسے اقدام کرتے ہیں جس
 کے نتیجے میں وہ غریب لوگوں کے روز
 گار کو بہتر بنانے کے کام کرتے ہیں۔
 مروجہ ایک ایسی ایجنسی ہے کہ

[illegible]

ویٹرنری یونیورسٹی میں ریسیجز (باؤلاپن) بیماری کی روک تھام کا عالمی دن منایا گیا

[illegible]

ملکی سطح پر ہارس اینڈ کیٹل شو کے انعقاد کا جائزہ لیا جائے، حسنین بہادر دریشک

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پرائیویٹ ویٹرنری پیٹن پریکٹیشنرز متوجہ ہوں!



رفاہہ کالج آف ویٹرنری سائنس لاہور میں منجی شعبے میں خدمات سرانجام دینے والے پرائیویٹ ویٹرنری ڈاکٹرز (پیسٹرس پریکٹیشنرز) کیلئے آرٹھروپیدک سرجری کی جدید ٹریننگ کروائی جا رہی ہے جس میں بین الاقوامی شہرت کے حامل ویٹرنری آرٹھروپیدک سرجن ٹریننگ دیں گے۔

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10

WORLDWIDE ETHNO-VETERINARY MEDICINES USED FOR DIFFERENT DISEASES/ CONDITIONS:

By Amara Ghulam Rasool*

*(DVM Student, Faculty of Veterinary Science, University of Agriculture, Faisalabad)

Ethno-Veterinary Medicine (EVM) is basically a use of people's knowledge, skill, methods, practices and beliefs about the care of animals. It is a traditional way of treatment; also known as "home remedies". According to WHO 80% of people in developing countries depend largely on indigenous practices for the control and treatment of various diseases affecting both human and animals. Some of EVM are enlisted below for different diseases and problems in animals.



System Involved	Disease	Materials	Procedure to apply
EYE	Pink eye (kerato-conjunctivitis)	Milk 250ml Salt 2 tablespoons	Dissolve 2 tablespoons of salt in 250ml of fresh milk. Using a clean syringe without needle wash the affected eye with the milk solution twice a day until the animal recovers.
	Eye Worm (thelazia)	Piliostigma thonningii (camel's foot tree, monkey bread as common name) bark 0.25kg	Pound the fresh fibrous bark of Piliostigma thonningii. Squeeze it and collect the liquid. Apply some of the liquid directly to eye daily, continue 3-7 days.
SKIN	Ectoparasites	Azadirachta indica (nimtree as common name) seed 2kg Water 250ml	Pound the seeds of Azadirachta indica until they turn brown and sticky. Add a little water to make a paste. Squeeze the paste to remove all the oil out of the seed. Rub the oil on the animal to repel flies and other biting insects.
	Ringworm	Bridelia ferruginea (Assas as common name) bark 2kg Limestone handful Water 3L	Collect 2kg of Bridelia ferruginea bark. Prepare a decoction by adding the bark to 3 liters of boiling water, which contain one handful of limestone. Boil the mixture for 10 minutes, cool and filter. Drench animal with 0.5 liters twice a day for 1 week.
REPRODUCTIVE	Brucellosis	Salvadora persica (toothbrush tree, mustard tree as common name) roots two finger long Water 5L	Crush and boil two finger long piece of Salvadora persica root in 5L of water for 1 hour. Cool and filter the decoction. Drench the animal with 2L of decoction. Drench once.
	Retained placenta	Vitex doniana (black plum) bark 2kg Limestone 100g Water 6L	Cut 2kg of Vitex doniana into small pieces and put it into 6L of boiling water with 100g limestone for 30 minutes. Cool and filter the decoction. Drench 6L at once. Retained placenta will be expelled in less than a day.
POISONING	Unknown etiology	Charcoal 1kg Fresh milk 4L Water 2L	Grind the charcoal and mix it with fresh milk and water. Drench 6L of mixture to adult cattle at one time and 3L to calves.

RABBIT FARMING: A QUICK WAY TO MEET FOOD DEMAND



Faisalabad: Unemployed people and landless farmers can generate a good amount of income by raising rabbits with small investment. Rabbit meat contains high level protein, calcium, and vitamins more than other animal species.

This was observed by Hira Komal and Dr Schar Amir veteran experts of the University of Agriculture, Faisalabad in a study conducted on rabbit farming, also known as cuniculture. Giving details of the study Komal told that rabbits need small place to live and can survive even on less food. She said rabbits were very more docile than poultry and birds. "There is a misconception about the meat utility of rabbits in our society as it has extra ordinary potential of

calcium and phosphorus contents of its meat are more than any other meat. Besides, cholesterol fat and sodium of rabbits are less than other meats," she said.

Dr Schar Amir pointed out that Pakistan was the sixth most populous country in the world. "The more the population of a country is, the more it needs sources of food and shelter," she said.

United Airlines may get sued after potential world's biggest rabbit dies on board

"To meet the demand for food, we cannot rely on just beef and mutton. Rabbits are known as 'micro-livestock' and a great source of food. There is a great opportunity for rabbit farming in our country. But most of the people just keep them as pets," she added.

"Rabbits can be grown in a small place but it should not be too congested. With a small investment, we can make house for rabbit in our house yard or on a building roof and start rearing rabbit. We

can make house for rearing rabbit in two methods," she said while explaining the methods. "To keep rabbits commercially cage method is the best. In this method, rabbits are kept in iron cages. A rabbit should be given enough space in the cage along with food and water."

Male and female rabbits should be kept separate from each other. They should keep in same room when they need mating to produce baby rabbits," she added.

She said green leafy vegetables including, spinach, carrots, cucumber, green grass and vegetable waste can easily be used as food for rabbits. For commercial rearing, even poultry food can be used to feed rabbits.

She said with a good management, one can achieve genetic potential of rabbits for weight and size which, of course, vary according to breed and sex. Some rabbits may grow up to size of a big cat. The average weight is 3-4 kilograms. According to the study, with

rabbit farming, Pakistan can meet the ever-growing food demand and increase the income of farmers with little investment. It will also make a significant share in meat production and can have a positive impact on the economy of Pakistan.

1. The meat of rabbit is very tasty, easily consumed and all people belonging to all religions can eat it.

2. They grow very fast and the female rabbit (doe) produce 2-8 babies every time. So, they are fast breeder.

3. They eat very low quality food and make high quality of meat.

4. Raising rabbit can be a great income source to the unemployed people and landless farmers.

5. The ratio of meat to bone is high meaning there is more edible meat on the carcass than even a chicken.

6. Rabbits can produce six pounds of meat on the same feed and water as the cow will produce one pound of meat on the same feed and water.

RUMEN ACIDOSIS: IS IT STILL A BLACK BOX?

A number of experts recently met up in France to discuss the solutions and nutritional approaches to improve rumen health and to prevent acidosis. But do we agree on what acidosis really is?

The event, organised by Lallemand Animal Nutrition in Clermont-Ferrand, France, focused on the issues around rumen health and how management and nutritional strategies can help in overcoming rumen associated disorders such as acidosis. Especially the sub-acute form, the so-called sub-acute ruminal acidosis (SARA), also known as chronic or sub-clinical acidosis, is a well-recognised digestive disorder that is an increasing health problem in most dairy herds.

Results from field studies indicate a high prevalence of SARA in high-producing dairy herds as producers respond to the demands for increased milk production with higher grain, lower fibre diets that maximise energy intake during early lactation. SARA is a disorder of ruminal fermentation that is characterised by extended periods of depressed ruminal pH below 5.5-5.6. Ruminal fluid pH is a measure of the acidity or alkalinity of ruminal contents. A lower pH means higher acidity. For optimum ruminal fermentation and fibre digestion, ruminal pH should lie between 6.0 and 6.4, although, even in healthy cows, ruminal pH will fluctuate below this level for short periods during the day (source: Ministry of Agriculture, Ontario). At the same time, although acidosis is recognised by nutritionists and farmers as one of the main metabolic disorders for dairy and beef cattle with many consequences on their health and performance, not to mention the huge economic impact, it is still poorly understood.

Short-chain fatty acids
One of the keynote speakers was Gregory Penner, associate professor, College of Agriculture and Bioresources, University of Saskatchewan, USA. He explained the potential impacts arising from ruminal acidosis and focused on associated out-



Chronic or sub-clinical acidosis, is a well-recognised digestive disorder that is an increasing health problem in most dairy herds.

comes that happen with excessive fermentation such as the impact of the production of short-chain fatty acids (SCFA). Feeding rapidly fermentable diets, as a strategy to meet nutrient demands for beef and dairy cattle, can result in a fast rate and high extent of fermentation. This leads to yielding large quantities of SCFA and supports rapid microbial growth. Although SCFA are a good thing from a nutritional standpoint, if the rate of SCFA production is bigger than the SCFA removal from the rumen, ruminal pH will decrease. This in turn can lead to acidosis. Mr Penner: "While a consensus for the duration of time and magnitude of the depression for pH has not been achieved, sustained reductions (for example a pH lower than 5.6 for more than three hours per day) are used to define that cows experience ruminal acidosis. It is important to note that ruminal acidosis involves more than low ruminal pH,

as increased ruminal fluid osmolality, changes in the microbial community structure and increased concentration of microbial associated molecular patterns (MAMPs) have been reported.

Unique ruminal responses
Helen Golder, research director at Scibus in Camden (NSW), Australia updated the audience on how rumen acidosis can be prevented through nutrition. She addressed that developing control strategies to maintain optimal rumen function and prevent disorders such as acidosis may be challenging as individual cattle appear to have unique ruminal responses to changes in diet. This can be due to several reasons, that are largely based on the type of substrate fed and feeding strategy, but also genetic variation. Ms Golder mentioned that different risks have been identified for starch and sugar based dietary challenges to rumen stability. It is

evident that dietary sugars should be controlled and not all sugars, grains or starches have the same effect on the rumen. Ms Golder notes that trials showed that microbial protein is a significant sink for hydrogen in the rumen and that energy spilling, i.e. an inability of bacteria to reproduce, hence producing more volatile fatty acids, may be an important part of the pathogenesis of acidosis. At the same time, Ms Golder also mentioned that there is a lot of confusion and controversy about the definitions of when a cow is experiencing acidosis. One thing is clear, feeding behaviour is directly linked with rumen health and associated disorders.

Alternatives to antibiotics
Ms Golder also highlighted the use of feed additives to improve rumen health. Antibiotics can modify the rumen and control acidosis. However, the use of antibiotics as a preventive measure (in feed) is banned in the European Union and soon other regions of the world as well. Feed additives can work, although no single feed additive will be capable of controlling disorders such as ruminal acidosis in all cattle. Alternatives to antimicrobials include buffers and neutralising agents, yeasts, direct-fed

microbials and enzymes. **Ongoing research subject**
Acidosis is a multi-factorial trouble which originates at the rumen level but which has many consequences on the total gastrointestinal tract homeostasis, on host physiology and behaviour. Through nutrition, a lot of problems can be prevented. However, sub-clinical acidosis remains a problem to detect. At the same time, the definition of acidosis is subject to discussion, as many experts around the world have a different view on it. This is why ruminal researchers will continue to focus on this important disease.



Alternatives to antimicrobials include buffers and neutralising agents, yeasts, direct-fed microbials and enzymes.

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THE FUTURE OF AGRICULTURE REQUIRES NEW THINKING

An eccentric or a technocentric approach? What is the future for agriculture and which approach can feed the world better? Probably a mixture of both, although that is a challenging mission, says Joris Lohman, co-founder of Food Hub.

Food Hub is based in Amsterdam, the Netherlands and was founded 3 years ago by Joris Lohman and his business partner. The company connects companies, businesses, governments and other key stakeholders to enable people to change the world of food. This is done through education programmes and training courses for example. Mr Lohman has noticed over the years, that although the food production chain differs with many steps, all the different key players in the food chain, like farmers and retailers, often operate and focus on themselves. But it is time to end solo mentality in the agrofood chain and Food Hub wants to facilitate this. In the run-up to the Global Future Farming Summit, we talked to Mr Lohman about his vision and view on what is needed to do this.

For starters, how has agriculture and food production changed over the last decades?
"If we look back on let's say 150 years of agriculture, we see that it has its basis in a farming system by definition not a circular or sustainable system. Although I also want to address that a 100% circular system is not possible, but getting as close as possible is the way we need to go in the future."

It is also for example what the Netherlands wants to focus on, as stated by the Dutch Agricultural Minister recently. Circular agriculture does not mean that we will return to small scale farming. It means that we still aim for high yields (and produce enough food to feed the world), but at the same time be as conscious as possible of what we use in terms of resources and



Joris Lohman: "We need to be less narrow-minded and think more in 'systems'. This demands people who think differently and want to cooperate more."

that we make optimal use of waste streams for example. A circular agriculture should have a little pressure on the environment and climate as possible."

But growth and becoming more efficient is needed to feed the world right?

"The problem is that the agrofood chain has become a linear system when it became more technological, bigger and focused on production and efficiency. This means that it uses a lot of raw materials and nutrients, and although converted to high quality animal protein products, this system also produces a lot of waste. A linear system is by definition not a circular or sustainable system. Although I also want to address that a 100% circular system is not possible, but getting as close as possible is the way we need to go in the future."

It is also for example what the Netherlands wants to focus on, as stated by the Dutch Agricultural Minister recently. Circular agriculture does not mean that we will return to small scale farming. It means that we still aim for high yields (and produce enough food to feed the world), but at the same time be as conscious as possible of what we use in terms of resources and

row-minded and think more in 'systems'. This demands people who think differently and want to cooperate more. I believe that many problems, for example regarding food waste, can be solved by doing this. Dealing with the 'technologies' and the 'ecologies' creates an interesting dynamic. I also want to address that technological advancements are great and can certainly help agriculture to move forward. But it is key to implement techniques in the right way and also realise that techniques are not the solution for a sustainable agrofood system."

What do you want to share with the audience during your talk at the Global Future Farming Summit in November?

"At the summit I want to challenge the audience about the 2 different views of how to feed the world and raise the question if we can combine elements of both to come to a 'new' type of farming that is both tech savvy and also sustainable and circular. I want to address that there are different views on how agriculture should look like in the future and that we should be aware of how we bring these views to the public and also think which view we want to share. I think there will be more 'technologies' than 'ecologies' in the audience of the summit, so I am looking forward to hearing their thoughts on the future of farming and to have a good discussion about it and maybe challenge them with some of the elements that are more small-scale based. One thing is clear, we need to change and we need to create a new story about how food is and will be produced."

UAF V.C DR ZAFAR IQBAL RANDHAWA HAS URGED THE TEACHING FACULTY TO MAKE ALL POSSIBLE EFFORTS FOR REFURBISHING THE SKILLS OF THE STUDENTS AND TO BUILD IDEAL CHARACTERS IN THE LIGHT OF QURAN & SUNNAH



University of Agriculture Faisalabad Vice Chancellor Dr Zafar Iqbal Randhawa has urged the teaching faculty to make all possible efforts for refurbishing the skills of the students and to build ideal characters in the light of Quran and Sunnah. He addressed the teaching faculty of UAF at Iqbal Auditorium. Registrar Muhammad Hussain presented the opening remarks. Addressing the faculty, the Vice Chancellor said that tangible research and knowledge based economy will open up new era of the development and prosperity in the country. He said that the

UAF was working actively on the issues of faculty and students that will be resolved as soon as possible. He added the process of granting more powers to deans had begun so that the issue of faculty and teachers would be addressed effectively. He also directed to take all possible measure to address students' problems. He said that the online portal is being developed under which faculty members, teachers and other stakeholders can register their complaints. The faculty and students are encouraged to discuss their problems so that solid solutions could be ensured.

He said that due to the increasing enrollment and enhancing teacher-students ratio, the quality of the education was being compromised. He added that there is a need to curtail that trend. He said that the university was ensuring peaceful environment and state-of-the-art infrastructural, academic, and research facilities to the students that will enable them to play pivotal role for the development and prosperity of the country. He said that the university was taking tangible measures for the welfare and bright future of the students.

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UVAS HOLDS 3-DAYS INTERNATIONAL CONFERENCE ON "TRANS-BOUNDARY DISEASES OF VETERINARY AND PUBLIC HEALTH"

Lahore: The Department of Clinical Medicine & Surgery (CMS) and Institute of Biochemistry and Biotechnology (IBBT) of the University of Veterinary and Animal Sciences (UVAS) Lahore in collaboration with Lanzhou Veterinary Research Institute Chinese Academy of Agriculture Sciences Beijing P.R. China organised 3-days international conference funded by Punjab Agriculture Research Board (PARB) on "Trans-boundary Diseases of Veterinary and Public Health" under Pak-US Science & Technology project titled "Capacity Building of Neglected Vector Borne Diseases in Livestock funded by Higher Education Commission (HEC). Vice-Chancellor King Edward Medical University Prof Dr Khalid Masood Gondal presided over the inaugural session of the conference here on Thursday while UVAS Pro Vice-Chancellor Prof Dr Anzela Zameer Durrani, Director (IBBT) Prof Dr Wasim Shehzad and a large number of students, faculty members, national and international speakers and participants were present.



Speaking on the occasion, Prof Dr Khalid Masood Gondal lauded the UVAS for arranging such an informative conference on very important issue and gathering national and international experts under one roof to discuss various issues, finding solution to curb the issues related to trans-boundary diseases. He said result oriented research is the key which brings changes & innovations and through this conference experts would present recommendation for making policies for the future to control disease in livestock sector which hamper socio economic development of the country. He said such conferences are necessary for networking with national and international experts and innovative knowledge sharing with each other.

Speaking about the conference objectives, Prof Dr Anzela Zameer Durrani said that aim of the conference was to identify challenges in dealing with TADs and suggest management strategies in control and prevention of these diseases at national and regional level. She said it is true that our efforts are highly dependent on national governance effective veterinary services and political support. She said livestock rearing significant share in national economy of a developing country like Pakistan, so there is measures are required to safe guard the livestock industry from epidemics of infectious diseases and to uphold safe international trade of livestock and their products. She also mentioned conference was organised for the capacity building of faculty members and postgraduate students with development of linkages at national and international level. Meanwhile Director LVRI, CAAS China, Prof Dr Hong Yin inaugurated vector born disease lab at Department of Clinical Medicine & Surgery (CMS) UVAS. The conference comprises on 4 tracks with 12 technical sessions, which will cover all the major areas related to molecular and rapid diagnostics techniques for PPR virus in sheep, potential and pitfalls for virus molecular genotyping techniques, promising genomics method for improving the general health status of dairy herds against emerging infectious challenges, molecular typing and antimicrobial susceptibility of

clostridium perfringens from broiler chickens, diagnostics techniques for Moot & Mouth Disease (FMD) virus, bovine piropasmosis in Pakistan present scenario, bioinformatics for development of molecular essays for veterinary pathogens and anti-microbial resistance in recovered from retail poultry meat a global threat to animal and human welfare etc.

CONCLUDING CEREMONY OF THE CONFERENCE



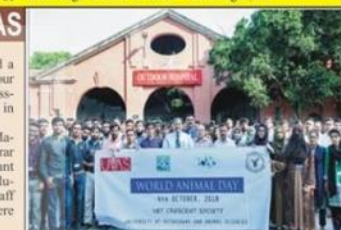
Lahore: The UVAS had collaboration of Lanzhou Veterinary Research Institute (LVRI) Chinese Academy of Agriculture Sciences Beijing China and Punjab Agriculture Research Board (PARB) Vice-Chancellor Prof Dr Talat Naseer Pasha presided over the concluding ceremony of the conference on Friday while Director LVRI, CAAS China, Prof Dr Hong Yin, Prof Dr Anzela Zameer Durrani and a large number of students, faculty members, national and international speakers and participants were present.

Prof Pasha congratulated the organizers for arranging such an informative conference on very important issue. He said there are ample opportunities in livestock, food production and trade in the Pak-China Economic Corridor (CPEC) and we should get maximum benefit from them. He said such conferences are necessary for networking with national and international experts and providing opportunity to students for learning innovative knowledge from

WORLD ANIMAL DAY OBSERVED AT UVAS

Lahore: The University of Veterinary and Animal Sciences Lahore observed World Animal Day here on Thursday. A walk was organized to mark the day to create awareness among people about the protection and conservation of animal lives, humane handling of animals in feeding, treatment and also avoid misuse

(rights of animals) for entertainment purposes. UVAS Pro Vice-Chancellor Prof Dr Masood Rabbani led the walk while UVAS senior Tutor Prof Dr Kamran Ashraf and a large number of students from Vet Crescent Society (VCS) and faculty members participated. The walk started from VC office and took the round of the campus and culminated at outdoor hospital. Earlier, UVAS organised a farewell party in the honour of Driver Mr Imdad Hussain on his retirement in UVAS VC secretariat. UVAS Pro VC Prof Dr Masood Rabbani and Registrar Sajjad Haider, Assistant Registrar Choudhary Muhammad Shafique and staff members and officials were present on the occasion.



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