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متوازن غذا اور ہماری صحت

پانچراکڈ می فار نیوٹریشن اینڈ ڈائنٹسٹکس اور ایگری ٹورازم پاکستان کے اشتراک سے قادر بخش فارم پر 8 فروری کو سیمینار کا انعقاد

نئی دہلی کے پانچراکڈ می فار نیوٹریشن اینڈ ڈائنٹسٹکس اور ایگری ٹورازم پاکستان کے اشتراک سے قادر بخش فارم پر 8 فروری کو سیمینار کا انعقاد ہوا۔ سیمینار میں پانچراکڈ می فار نیوٹریشن اینڈ ڈائنٹسٹکس اور ایگری ٹورازم پاکستان کے وفد کے ساتھ ساتھ دیگر مہمانوں نے شرکت کی۔ سیمینار میں پانچراکڈ می فار نیوٹریشن اینڈ ڈائنٹسٹکس اور ایگری ٹورازم پاکستان کے وفد نے پانچراکڈ می فار نیوٹریشن اینڈ ڈائنٹسٹکس اور ایگری ٹورازم پاکستان کے وفد کے ساتھ ساتھ دیگر مہمانوں نے شرکت کی۔ سیمینار میں پانچراکڈ می فار نیوٹریشن اینڈ ڈائنٹسٹکس اور ایگری ٹورازم پاکستان کے وفد نے پانچراکڈ می فار نیوٹریشن اینڈ ڈائنٹسٹکس اور ایگری ٹورازم پاکستان کے وفد کے ساتھ ساتھ دیگر مہمانوں نے شرکت کی۔



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زرعی یونیورسٹی فیصل آباد میں پھولوں کی خوبصورت نمائش اور فلاور شو 2019

پھول اپنی خوبصورت مسکراہٹ کے ساتھ امید کا دامن ڈھونڈنے اور خوش رہنے کا پیغام دیتے ہیں اور دیکھتے ہیں۔ زراعتی یونیورسٹی فیصل آباد میں پھولوں کی خوبصورت نمائش اور فلاور شو 2019 کا افتتاح ہوا۔ یونیورسٹی کے پھولوں کی نمائش اور فلاور شو 2019 کا افتتاح ہوا۔ یونیورسٹی کے پھولوں کی نمائش اور فلاور شو 2019 کا افتتاح ہوا۔ یونیورسٹی کے پھولوں کی نمائش اور فلاور شو 2019 کا افتتاح ہوا۔



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IUI 11TH CONVOCATION
PAKISTAN ENTERING INTO NEW PHASE OF PROGRESS: SAYS PRESIDENT ALVI

Dr. Arif Ali, President of Pakistan and Chancellor of International Islamic University Islamabad (IUI), in his speech on Wednesday at 11th convocation of the university has said that after tough times, the Pakistanis are now entering into the phase of being a better nation.

On the first day of convocation, as many as 6385 degrees were conferred on students, while 6276 degrees will be conferred on female students on Thursday. According to details, in the 29 years long history of IUI, it will be 11th convocation in which total 13111 will be conferred on male and female students.

After this convocation, total produced degree holders' number will reach to 51113. University will confer 206 PhD degrees on students, while total number of IUI's PhD students will reach to 419. A total of 319 students will be awarded gold medals in the two-day long mega event.

After conferring PhD degrees and gold medals on IUI student, Dr. Arif said in his speech that Pakistan and its



place in the University's academic programmes is towards Science and Technology, in consonance of the national priorities as well as the needs of the Muslim Ummah.

"To achieve this objective, the University in addition to the establishment of Sciences & Engineering based faculties has set up Al-Farooq Research Centre which is involved in problem-solving research" he said.

This is a recent trend and we are happy that IUI has taken this initiative" he said. He furthered that over the last one decade, this university has had a very rapid growth and the physical capacity has shortened. "We

are grateful to the brotherly countries who have provided 52 highly qualified teachers, such as 30 teachers from Al-Azhar University in Cairo, the Scholars from Saudi Arabia and Sudan, who are significantly augmenting the number and quality of teachers in our Islamic Faculties" Dr. Masoom said.

IUI President Dr. Ahmed Yousif I-Drauwesh said that IUI is a prestigious scientific institution that has an enrolment of more than 31,000 students from 45 nationalities in nine faculties and 42 teaching departments and a Centre of excellence in Technology Interdisciplinary research and

advanced labs.

"Among the most important achievements of the university is the preparation of the Message of Pakistan titled "Paigham-e-Pakistan" calling for security, safety, and peace spreading the teachings of Islam aimed at moderation, peaceful coexistence and social security" said IUI President. He told that The Executive Council of the Federation of the Universities of the Islamic World has also approved the establishment of the International Center for Tolerance and Peaceful Coexistence in cooperation with the International Islamic University Islamabad and the Islamic Educational, Scientific and Cultural Organization (ISESCO).

He hoped that these graduating students will serve their respective communities in the fields of their specializations with best efforts and skills for which they have been prepared with all sincerity and dedication, infused with full commitment to Islamic principles, standards and ethics.

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SWISS AMBASSADOR VISITS UVAS RAVI CAMPUS, STRESSES NEED FOR INCREASING PUBLIC-PRIVATE PARTNERSHIPS TO TACKLE CLIMATE CHANGE CHALLENGES

Lahore: Swiss Ambassador to Pakistan Thomas Kolly paid a visit to the University of Veterinary and Animal Sciences Lahore's Ravi Campus at Patoki on Wednesday and stressed the need for increasing public-private partnerships to tackle climate change challenges.

The ambassador held a meeting with Vice-Chancellor Prof Dr Talat Naseer Pasha, senior faculty members and discussed climate change, this year's prolonged winter season's bad effects on agriculture and livestock, water conservation and public-private co-operation to mitigate the effects of climate change.

The Vice-Chancellor briefed the Swiss ambassador on UVAS's academic, research, training and extension projects, clinical & community services and national and international linkages/partnerships.

The ambassador appreciated and supported the UVAS initiatives/ projects especially those involving private sector. He also visited the site of one of such initiatives "Agriculture Water Efficiency Project" which is being executed by the university with the support of the Swiss government and Nestle Pakistan. Under this project the UVAS is using drip irrigation system to water 1,400 fruit plants orchard, which is spread over 6.92 acre land at A-Block Ravi Campus. Over 40 per cent water and a lot of time is saved by using the drip irrigation system, the ambassador was informed.

On the occasion Mr Thomas Kolly and his wife planted jacaranda saplings in front of the Prof Akram Complex.



The ambassador also took a round of various laboratories at the Central Laboratory Complex where researchers briefed him on the labs functioning, research projects and diagnostic services. Prof Pasha informed the visiting dignitary that these labs are being used for training of students as well as disease diagnosis and feed analysis for the industry and farming community.

The ambassador appreciated the state-of-the-art facilities/technology available at the labs and the quality of their services for the industry and community.

BRAZIL EXPORTS 316,900 METRIC TONS OF CHICKEN IN FEBRUARY



Brazilian exports of chicken in which all products are considered, both fresh and processed, reached a total of 316,900 metric tons (MT) in February, reported the Brazilian Association of Animal Protein (ABPA).

This figure is 2.2 percent higher than in the same period last year when 310,200 MT were shipped. In revenue, the results of the second month of 2019 are 6.3

monthly sales reached US\$979,100 million, 3.6 percent lower than the US\$1,015 billion generated in 2018.

China stands out

The most outstanding importer of the month is China, which in February assumed the leadership among the export destinations of Brazil. In this period, the Chinese market imported 38,800 MT, an 11 percent increase in purchases compared to the second month of 2018. In the two-month period, with 72,500 MT, the sales increase of the Chinese market reached 5 percent.

South Korea, which recently enabled 4 exporting poultry plants, also increased purchases. The increase reached 24 percent in the month, with 8,200 MT.

Classification	Country	Volume (MT)	Share
1	Saudi Arabia	74,705	12.8%
2	China	72,517	12.4%
3	Japan	58,669	10.0%
4	United Arab Emirates	56,687	9.7%
5	South Africa	40,331	6.9%
6	European Union	35,582	6.1%
7	Hong Kong	25,912	4.4%
8	Yemen	18,332	3.1%
9	Kuwait	17,791	3.0%
10	Iraq	16,461	2.8%

In the two-month period, the increase is of 6 percent, with 15,600 MT of total shipments.

Below is the list of the main destinations for chicken meat exports of these two months. In this period, the second main destination for exports is Saudi Arabia. "As a result of the African swine fever outbreaks, the

FATEHA KHAWANI FOR NZ TRAGEDY MARTYRS AT UVAS

Lahore: The faculty members, administrative staff and students of the University of Veterinary and Animal Sciences Lahore on Monday expressed solidarity with the families of the victims of the New Zealand terror attacks.

The UVAS arranged a condolence meeting on its City and Ravi campuses, in which the participants prayed for the martyrs of the Christchurch mosque attacks and showed solidarity with the bereaved families.

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VIV ASIA 2019 BANGKOK, THAILAND MARCH 13-15
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The past three days, Bangkok was transformed into the city of livestock. From 13th to 15th, more than 50000 professionals attended VIV Asia 2019. People with a unique connection and a severe passion for the intensive livestock industry. Dr. Khalid Iqbal (C.E.O. Orient Traders International) and Dr. Iqra Khalid (C.E.O. Chakwal Pharma International) with his team of Doctors and Senior sales staff attended the event, and visited booths of our principals including VMD - Belgium, Cid Lines - Belgium, Olmix - France, MG2Mix - France, Medivet - Tunisia and Kyotobiken Laboratories - Japan. Visitors from the Middle East, Africa and Asian countries endorsed the importance of this event in the region. It was an ideal platform to update the partners and visitors about the OTI Group along with an excellent opportunity to discuss mutual business strategies and developments with the respective partners and distributors.



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BABESIOSIS-AN OMNIPRESENT ANIMAL MALAISE, ARTICLE OF INTEREST FOR CLINICIAN AND RESEARCHERS

Muhammad Asjad, Maham Ali, Huda Ahmad, Dr. Amjad Islam Aqib Corresponding Email: miansb96@gmail.com, amjadwaseer@gmail.com

Babesia becomes the most widespread parasite due to exposure of 400 million cattle to infection through the world, with consequent heavy economic losses such as mortality, reduction in meat and milk yield and indirectly through control measures of ticks. Babesiosis, especially in cattle has great economic importance...

of the sporozoite stage of parasite transmitted in the saliva of the infected ticks. Most of the species of Babesia directly invade circulating RBCs and start a cycle of asexual reproduction. ETIOLOGY: The current nomenclature of these intracellular parasites is:

stain (10% Giemsa in phosphate buffered saline (PBS) or Sorensen's buffer at pH 7.4) can be used while former technique can detect parasitaemia as low as 1 in 10^7 red blood cells (RBCs). The latter is effective only in specific differentiations. Parasite identification and

more sensitive than microscopy for detection of Babesia spp., with detection at parasitaemia levels ranging from 0.001% to 0.000001% (1 parasite in 10^6 RBCs). Several PCR techniques have been described that can detect and differentiate species of Babesia.

Table 1 Babesiosis types along with tick vectors infecting different animal species

Table with 3 columns: Animal spp. Affected, Babesia spp., Ticks involved. Rows include Cattle, buffalo; Sheep, goat; Horse, mule, donkey; Dogs; Wildlife.

PATHOPHYSIOLOGY: Erythrocytes invaded by Babesia spp. are destroyed as a result of replication of the organism within the cells or by immune mediated reactions against the parasite or self-antigens. The resultant destruction of erythrocytes leads to anemia. The incubation period varies with Babesia sp. and the animal infected, but it usually is between 3 days to 4 weeks.

differentiation can be improved by using a fluorescent dye, such as acridine orange, instead of Giemsa. Blood profile: Anemia, hemozoin, Decreased packed cell volume (~20%), RBC count, and hemoglobin. Platelet count may also be decreased. Neutropenia and lymphopenia may be observed. Hyperbilirubinemia and prolonged clotting times may occur.

infections of Babesia spp. and B. bovis has also been cloned in culture. The minimum parasitaemia detectable by this method will depend to a large extent, on the facilities available and the skills of the operator but could be as low as 10^3, making it a very sensitive method, with 100% specificity, for the demonstration of infection.

Original Complete blood count report of dog having been diagnosed babesiosis

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with attenuated parasites are resistant to challenge infection. Second, immunization of cattle with native Babesia antigen extracts or culture-derived supernatants containing secreted Babesia antigens elicit protective immunity against both homologous and heterologous challenge.

Vector control: It is done by repeated treatment of cattle with acaricides in areas of high challenge; such treatment may require to be carried out twice weekly in order to kill the tick before the infective sporozoite develop in the salivary gland. Significant factors currently affecting the control of Babesiosis include increased resistance to acaricides by ticks and the numerous draw backs of the current live vaccines.

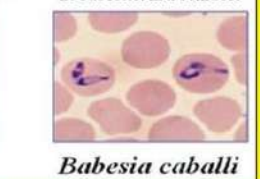
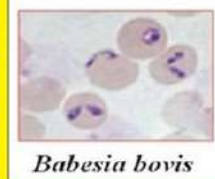
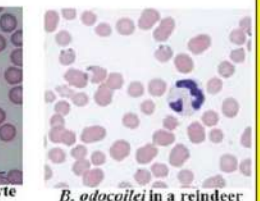
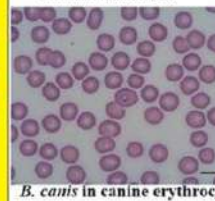
Diagnosis: Direct microscopic examination includes thick and thin films stained with Giemsa, a Romanowsky type

Nucleic acid-based diagnostic assays (Polymerase chain reaction) are reported to be as much as 1000 times

more sensitive than microscopy for detection of Babesia spp., with detection at parasitaemia levels ranging from 0.001% to 0.000001% (1 parasite in 10^6 RBCs).

Table 2 Summary of drugs in practice and research trials against babesiosis

Table with 7 columns: Compound, Chemical name, Species, Dose, Route, Current use. Rows include Imidocarb, Diminazene acetrurate, Nerolidol, Triclosan, Epovomicin, Gosypol, Atovaquone.



OVERVIEW OF DISEASE IN VARIOUS SPECIES

SYNONYMS: Equine piroplasmosis, Bovine piroplasmosis, Texas fever, Red-water, cattle tick fever, canine babesiosis. DEFINITION: Babesia spp. are a wide group of tick borne parasites belonging to phylum Apicomplexa. These are obligate intracellular parasites that infect a wide variety of animals, both domestic and wild. Infection starts by inoculation

serological tests as the method of choice for epidemiological studies. PCR assays are useful for confirmatory tests and in some cases for regulator testing. In vitro culture methods have been used to demonstrate the presence of carrier infections. More recently, two quantitative PCR methods have enabled the simultaneous detection of multiple species, even in carrier state infections. However, current PCR assays generally do not lend themselves well to large-scale testing and currently are unlikely to supplant serological tests as the method of choice for epidemiological studies. PCR assays are useful for confirmatory tests and in some cases for regulator testing. In vitro culture methods have been used to demonstrate the presence of carrier infections.

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ANTIBIOTICS USE SHOULD BE CAREFUL

In Pakistan, the antibiotics resistance has been recognized as a National issue since 2014. No particular strategies have been made to tackle the issue of antibiotic resistance at national level. Antibiotics use in Pakistan is beyond restriction and regulations. Livestock sector is contributing a large proportion in National GDP and it is growing day by day. In commercial farming and in the field practices, antibiotics are being used without any check and balance.

the presence of antibiotic residues at high level in the meat and milk of different animals. When antibiotic containing milk is consumed by human beings they show antibiotic resistance. Some routinely used antibiotics are metronidazole and ceftriaxone which are applied for the treatment of ocular infections and use of rifamycin for the respiratory diseases.

For the cats various antibiotics including penicillin, tetracycline, 3rd and 4th generation cephalosporins and quinolones are used respectively in decreasing order for the treatment of infection or fever of unknown origin, GIT, eye infection and liver diseases. In the dogs penicillins, 1st and 2nd generation of cephalosporins and quinolones are prescribed for eye infections, tick-borne diseases, fever or infection, ear/salivitis, prostatitis and pre and post operative care globally.

In Pakistan, antimicrobial resistance against livestock to kill and more expensive to treat. In some cases, the antibiotics resistant infections can lead to serious disability or even death of animal particularly in exotic breeds. Vaccinating animals and humans is considered as very helpful method to prevent from diseases and therefore this method can prevent the use of antibiotics. To minimize the antibiotic resistance, make sure the proper use of available vaccines and produce new vaccines to reduce infection rate and causality.

The USA Institute of medicine in 1980 concluded that due to use of antimicrobials in food animals, the resistance has been developed in Salmonella and it is producing clinical disease in human because of consumption of meat and different food products of food producing animals. WHO has recommended proper use of antibiotics to avoid antibiotic resistance. The antibiotic resistant bacteria are often more difficult

to kill and more expensive to treat. In some cases, the antibiotics resistant infections can lead to serious disability or even death of animal particularly in exotic breeds. Vaccinating animals and humans is considered as very helpful method to prevent from diseases and therefore this method can prevent the use of antibiotics. To minimize the antibiotic resistance, make sure the proper use of available vaccines and produce new vaccines to reduce infection rate and causality.

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disease treatment, as a growth promoter. First, proper testing should be done as early as possible for specific use of antibiotics. According to the WHO guideline for the use of antibiotics, antimicrobial drugs should be classified in such a way that highest priority should be given to most critically important for human medicine and should be avoided to use for treatment of different infectious disease which are diagnosed in food producing animals. Vaccinate the animals for such diseases which require antibiotics in the last, good hygiene and changes in husbandry and housing practices are considered as the alternative options of antibiotics use. Try to avoid the saving of antibiotics to use for the next time to treat other sick animals. Antibiotics must be used as per requirement and approved by authorized veterinarian.



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UAF ESTABLISHED ONE-DAY NUTRITION CAMP TO EDUCATE PUBLIC ABOUT PREVENTION MEASURES TO CURB DIFFERENT DISEASES

Faisalabad: The University of Agriculture Faisalabad on Monday established one-day nutrition camp to educate public about prevention measures to curb different diseases including diabetes, hepatitis, cancer, heart diseases, and others.



The camp was inaugurated by Dean Faculty of Food, Nutrition and Home Sciences, UAF Dr. Masood Sadiq Butt who was flanked by Dr. Ayesha Sameen and others.

Talking to participants, he said that every tenth citizen of Pakistan is victim of hepatitis and one of the major reasons was used syringe. He said that victim have to make the vegetables and fruits as their diet. He also said that 17 million people in the country fall victim to the disease. Talking about the cancer, he said that one of the six deaths is caused by cancer. He said that overweight, less usage of vegetable and fruits, smoking, population etc. He said, despite having plenty of food, we were facing malnutrition crisis. He urged the people to use balanced diet and adopt physical activities in their daily lives. He said that 50 per cent of population was facing malnutrition. He said education about nutrition and balanced food at school level will help overcome the issue. He said: high blood pressure is the most important modifiable risk factor for heart disease, stroke, and heart failure. He said: "Hypertension affects approximately 40 per cent of adults globally while the ratio in the country is 50 per cent. Healthy lifestyle will help decrease the prevalence of this disease in the country population is also important."

FAISALABAD IS ONE OF THE FASTEST GROWING CITIES OF PAKISTAN WHICH HAS POTENTIAL TO STABILIZE NATIONAL ECONOMY BY MULTIPLYING ITS EXPORTS;

Mian Muhammad Adrees the soft launching of Faisalabad Expo-2019

Faisalabad: Faisalabad is one of the fastest growing cities of Pakistan which has potential to stabilize national economy by multiplying its exports, said Mian Muhammad Adrees Former President Federation of Pakistan Chamber of Commerce & Industry (FCCI).



Addressing the soft launching of Faisalabad Expo-2019, he said that this expo will provide an opportunity to the local manufacturers to showcase their high quality and internationally acknowledged products within the country.

He told that Faisalabad Chamber of Commerce & Industry (FCCI) is organizing exhibitions at the local level for the last two decades. However, it was a dream to arrange such exhibitions in other important cities of the country. He paid best tribute to office bearers of the FCCI who took this bold initiative and successfully arranged first expo at provincial metropolises last year. He further told that continuity of such events is imperative to penetrate into the potential domestic markets and hence it is our second attempt to organize Faisalabad Expo-2019 with advanced marketing techniques. He lauded the previous experience which attracted a large number of customers while almost all leading brands from Faisalabad exhibited their products which were appreciated by all. He was optimistic that FCCI has now gained enough experience and would be in position to organize such exhibitions in other parts of the country. Moreover, we must understand the intricacies of the organization of such exhibitions so that in near future we could successfully hold such events in Dubai and other potential international markets. Mian Tanveer Ahmed senior vice president FCCI told that last year the exhibition was restricted to only 2 days while this year on the pressing demand of the exhibitors, it will continue for three days from March 29 to 31, 2019. "Faisalabad Expo-2019 will be organized in the international environment of Expo Centre Lahore", he added. He told that exhibitors who had participated in exhibition of last year were anxious to participate in this event because it had attracted a big crowd of potential buyers. He told that now we are planning to organize next exhibition in Islamabad and Karachi and later it would be arranged in Dubai.

ANOTHER US CITIZEN HUNTS HIGHEST-RATED ASTORE MARKHOR

Gilgit: A fourth American hunted this season's highest-rated Astore Markhor the other day, paying a whopping 100,000 US dollars as permit fee to the wildlife department.



According to a press release issued by the GB wildlife and parks department on Saturday James Haseup hunted markhor in Doya wildlife conservation area. This was the last permit of Astore markhor hunt in the region while the trophy hunting of blue sheep and ibex will continue till end of this month.

Speaking at a ceremony in Doya Astore, the American hunter said it was his dream to hunt markhor. I have been in Pakistan for quite some time and I enjoyed a lot here as people are wonderful, he added. GB secretary forest and wildlife Asifullah Khan, conservator parks and wildlife Mahmood Ghazvini and wildlife conservation and development committee members were also in attendance.

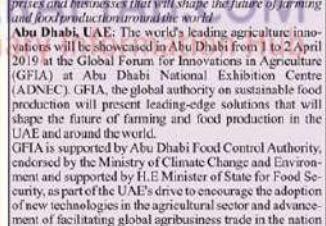
NEW VICE CHANCELLOR UNIVERSITY OF HARIPUR



Prof. Dr. Arsur ul Hassan Gillani Chairman Pakistan Council for Science and Technology has been appointed as Vice Chancellor University of Haripur, Haripur KPK. The appointment is for a period of three years vide Govt of the KPK orders dated 15-03-2019.

Dr. Gillani is an old-boy of University of Agriculture Faisalabad. He has served Agha Khan Medical University Karachi as prof. of Pharmacology. He was awarded Sitara-e-Imtiaz on his bright academic and research career.

INTERNATIONAL INNOVATIONS IN AGRICULTURE TO PROMOTE FOOD SECURITY IN UAE



World's leading agriculture innovations to be showcased in UAE to drive the future of food security in the UAE and across MENA

Abu Dhabi, UAE: The world's leading agricultural innovations will be showcased in Abu Dhabi from 1 to 2 April 2019 at the Global Forum for Innovations in Agriculture (GFIA) at Abu Dhabi National Exhibition Centre (ADNEC). GFIA, the global authority on sustainable food production will present leading-edge solutions that will shape the future of farming and food production in the UAE and around the world.

GFIA is supported by Abu Dhabi Food Control Authority, endorsed by the Ministry of Climate Change and Environment and supported by H.E. Minister of State for Food Security, as part of the UAE's drive to encourage the adoption of new technologies in the agricultural sector and advancement of facilitating global agribusiness trade in the nation for future food security. GFIA includes a high-profile selection of essential vertical farming innovations and solutions for the region that provide sustainable-technology for domestic food supply for food producers across the UAE and MENA who are under pressure to save natural resources, improve productivity, increase the efficiency of their supply chains and be ready to meet the challenges of climate change.

Thamer Rashid Al Qasem, Chairman of GFIA Organising Committee, said: "Enhancing facilitation for agribusiness and sustainable and efficient ways of food production is a key objective of GFIA which provides a significantly important role in bringing together world leaders in innovation here to Abu Dhabi to drive advancement for our agricultural sector. Innovators from the Europe, Australia, USA and the world will be showcasing new technologies and leading-edge solutions across indoor farming and hydroponics, livestock and animal production, data palm production, aqua tech, aquaponics, aquaculture, sustainable crops, and apiculture. In recognition of these global leaders of innovation in Abu Dhabi, we will provide the annual GFIA Innovation Awards which will include industry-leading recognition for businesses."

HJB Lighting, world leaders in lighting development from Germany, will show their LED module specifically designed for use in the vertical farms to maximize efficiency and yield of crops within controlled environments. Nelled from Finland will demonstrate their unique turkey vertical farm solution, an advanced high-volume turkey farming solution with comprehensive automatic functions that provide a turkey solution for high volume crop production. A sustainable crop enhancement solution will be presented by Goshka from Poland with their organic and mineral soil improvers, which they are in the final stages of production, and will significantly increase the efficiencies of crops, increase profits with care for the environment. Levy Crop Science from the UK will present Indra, a product that helps crops withstand stress, salinity, temperature extremes and high UV which can reverse yield loss.

A GOOD INITIATIVE BY FVAS ARID AGRICULTURE UNIVERSITY

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Students from the Faculty of Veterinary and Animal Sciences PMAS Arid Agriculture University proposed and idea of a forum naming Aridan Veterinary Scholars Forum (AVSF) along with the efforts of faculty teachers and approval of Dean FVAS Prof. Irfan Yousof to also be the patron chief of this forum. The manifesto of this forum includes the betterment and uplifting the professional standard of veterinarians either in academia or in extra-curricular activities. Education system is reforming and these types of forums are supportive to deal all the challenges of students. This forum is established to create a healthy environment among the students of faculty so that represent themselves in all fields of life. The purpose is to produce not only good veterinarians but also to explore their innate talent which they do not express due to the hectic and monotonous routine of study. So the participation in other events which are related to their aesthetic taste is ignored all the time. This develops psychological pressure and they become easily frustrated. To eradicate this tension, this forum can play a supportive role AVSF is further heading different clubs. It includes Student Personality Development Club (SPDC) and mission of this club is to build up the confidence in students, bringing positive attitude in their personality either morally or physically. Other objectives of the club include induction of self-motivation, team work, technical listening skills, manners and ethics and to improve decision making and this is whole done by arranging different motivational lectures, career counselling workshops and seminars on conflict management. Faculty advisor for this club is honorable Dr. Mubillah Yousofzai. Respectively, Veterinary Media and Information Club (VM&IC) is headed

by Dr. Awais Sial and Dr. Ayesha Riaz is also a part of AVSF. Manifesto of this Club is to keep students updated about all the achievements, events, scholarships and research publications of international and national scholars. This club will also publish success stories of our faculty members, seniors and current students as a sign of determination and inspiration. They will cover all the events of faculty by providing platform of photography, video and documentary editing. This is also their responsibility to keep the records of all accolades by making official diary and veterinary information desk.

Following this, Veterinary Art and Literary Society (VA&LS) is another category of AVSF. This society is going to be headed by respected Dr. Tanveer Ahmad and Dr. Mubillah Haq. The duties of this society is to develop the literature taste among students by motivating them to participate in intra-faculty, interarsity and interarsity competitions of debates, essay writing, poetry and other extra-curricular activities. It is also their duty to invite different professional from the field of writing and poetry to train faculty students. They will work for the improvement of technical and scientific writing of students that will help them in their field too. They will also publish Annual literary magazine to keep the records of all writings of students. To strengthen students physically it was necessary to build a platform for the enthusiastic persons aiming to achieve the heights of success. Thus Veterinary Sports Club (VSC) also established. Their motto is "healthy body and healthy mind makes healthy veterinarian". They will make every student obligatory to indulge in physical activities to maintain fitness and health. Their duties include organizing sports gala management in fall semesters and

training camps. They will make students fit enough so that they participate and represent in different sports competition. Along with these extra-curricular activities, it was necessary to formulate a platform related to profession field so that students may not face any difficulty in finding opportunities related to internship, pre-internship, fellowship and technical services for farm. Thus Dairy Science Club (DSC) and Poultry Science Club (PSC) are also established leading by Dr. Kashif Ishaq and Dr. Nasir Mukhtar respectively. The objectives of these clubs is to provide opportunity to the students so that they become experts in their respective fields by working at farms. They will organize different seminars and invite professionals from all over the world to disseminate their ideas of field and their solutions. They will devise new ideas and policies for the favor of farmers. The Duty of Dairy club is to organize milking and beauty competitions (Bovine, Caprine and Camelus) and arranging vaccination and deworming camps in far off areas as well as animal's stock market. They will also celebrate Farmer's day every year to keep the students familiar about the basic issues of farmers and students will help them out by suggesting affordable solutions and resources. These all clubs and societies will coordinate each other under the shed of AVSF. It will not only boost up the reputation of students but also it is a source to keep alive in every field of life which is lacking in the present scenario. This forum is a best opportunity for those who were finding a way to get out of the cave. This forum needs dedication of the students to nourish and it will be helpful in raising the status of the whole field if it will work with unity, dignity and discipline along with steadfastness.

WELFARE POLICY GUIDELINES ON NON-STUN SLAUGHTER QUESTIONED

Investors have questioned why the global Business Benchmark on Farm Animal Welfare penalises religious slaughter methods.



There are two questions in the company benchmarking schemes. One asks, in the management and policy section, whether the firm has a clear position on the avoidance of meat from animals that have not been subjected to pre-slaughter stunning.

There is a total of 15 points for firms that make universal commitments to avoid meat that has not been pre-stunned and who say 100% of products are from animals that have been pre-slaughtered.

benchmarks, particularly around transportation to abattoirs. "There are companies in Australia and South Africa who - because of vast distances - will not be able to transport stock in eight hours or less." She said BHF&W tried to take a pragmatic approach and was not treating companies unfairly, given there are 38 different criteria for welfare scoring. She added that she wanted to accelerate change over the next two years, and this would include exploring the potential to develop both country and market specific benchmarks. "In the coming weeks we hope to be able to announce the first country benchmarks," she added.

GLOBAL POULTRY MEAT PRICES ON THE RISE

Global poultry prices may see an upward swing in 2019, as demand from China grows, and markets that have been in oversupply come into balance.



Nan-Dirk Mulder, the author of the latest Rabobank poultry quarterly, says that with African Swine Fever decimating pig populations in China, consumers are seeking out poultry meat as an alternative. He suggests pork production could be down 10%-20% in the country. Mr Mulder says in the re-

ports that the past few quarters have been marked by major volatility because of a wide range of factors, including trade and disease restrictions and the US-China trade war. Production was particularly high in many markets including the US, the EU and Thailand he adds. But demand was lower because of a general market slowdown and constraints on access to international markets following trade restrictions. This resulted in a period of falling poultry prices between Q2 and Q4 2018. However, prices are now improving, according to Mr

Mulder. "The outlook is changing, Rabobank is gradually becoming more optimistic that the market has reached a turning point, with global price levels starting to trend up especially since global trade conditions have started to improve and have reached a record-high level in Q4 2018. "Together with more supply discipline, this has led to improved market conditions." This would be bullish for both local production and for global trade. But volatility will remain in 2019, driven by changing global trade access.