

# Dairy Science Park Newsletter

**Dairy Science Park registered under Societies' Registration Act XXI of 1860, emerged at the University of Agriculture, Peshawar, Pakistan, to support the people of the war-hit Khyber Pakhtunkhwa and the adjoining Afghan Regions through livestock entrepreneurship, public health safety, food security, and exportable surpluses**

## DSP team attended One Health Congress at Amsterdam

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A team of the Dairy Science Park, comprising the following members, visited Amsterdam, the Netherlands to attend the third One Health Congress scheduled for March 15 to 18, 2015 and seek collaboration with the international partners: Prof. Dr. Muhammad Subhan Qureshi (Team Leader/Supervisor); Prof. Dr. Umar Sadique, Consultant Animal Health; Prof. Dr. Sarzamin Khan, Chief Technical Advisor; Mr. Muhammad Imran Khan, Consultant Animal Physiology.

The tour was sponsored by the United States

Department of State's Biosecurity Engagement Program and Sandia National Laboratories. The One Health concept is based on the recognition that human and animal health is inextricably linked. The Scientific Program of the 3rd International One Health Congress covered all aspects of the One Health concept bringing together established and young scientists working in this rapidly expanding and highly multidisciplinary field.

Prevention at the source is key in controlling infectious diseases that have a growing impact on humans, animals and

their ecosystems. The 3rd International One Health Congress focused on how science can help in preventing emerging and re-emerging infectious diseases.

Collaboration was explored with the Sandia National Lab USA, Utrecht Science Park and Agro-Business Park.

### Inside this issue:

Meat Park established	2
Ghazi Brothers join DSP	2
DSP Team visit FAO	2
DSP-China collaboration	3
Meat company inspected	3
DSP-UN partnership	4



## Dr Jasir Aftab visited DSP facilities

Dr Jasir Aftab, Farm Pal, Qasoor and Expert Dairy Science Park on silage, visited the Faculty of Animal Husbandry and Veterinary Sciences Peshawar and delivered a talk on career development before the outgoing

DVM graduates. He reviewed the status of livestock industry and job opportunities in the public and private sector. A visit was made to DSP Clinic and Marketing Center at Chamkani Morh and farmers' feedback was recorded.



## Meat Park established at Peshawar

Meat Park has been established as a project of Dairy Science Park, promoting meat production in the region. One partner of Meat Park was running a calf fattening facility at Northern Bypass, Peshawar and it was selected as a model for development of cost effective, environment friendly procedures.

Commercial feed was supplied by one partner from University Feed Mill of The University of Agriculture Peshawar, leased out to Dairy Life as a model for public private partnership and a gateway to the Dairy Science Park for generation of useful research findings, business incubation and support to the young graduates for establishing their own entrepreneurship instead of looking elsewhere for jobs.

Silage was introduced at this fattening farm by another partner of Meat Park which replaced the wheat straw, reduced production cost and improved the growth rate and health of calves. However, the partnership could not continue due

to delayed/non-payment to the two investing partners in feed and silage.

To support the calf fattening facility, a DSP Clinic and Marketing Center was established at Chamkani Morh GT Road, Peshawar. It was run by a part-time veterinary consultant DSP, Dr Muhammadullah who visited this and other farms in the premises and provided therapeutic and advisory services.

DSP advises its members to be careful while dealing with other partners and the DSP administration must be careful registering partners with sufficient honesty, competency and reputation, for various activities.

The Faculty members, graduate internees and postgraduate

students of the University of Agriculture Peshawar and other Universities, input suppliers and officials of the government and development agencies paid frequent visits to this facility and evaluated the practices and quality standards at the farm.

The farmer was advised in standard practices and technical issues. Businessmen and new investors, farmers and policy makers also visited the farm to examine the model for identification of its strengths and weaknesses.

Meat Park is looking for more investors and partners involved in meat production (poultry, beef, mutton, fish), processing, value addition and marketing to come into the business.

***“DSP Region is hit with extreme poverty but rich in livestock resources; the Chief Patron DSP envisions it as a Halal meat export base for the World”***



## Ghazi Brothers join DSP as Corporate Partner

Ghazi Brother, a company dealing with supply of farm inputs like medicine, semen, feed supplements, growth promoters, productivity enhancers, joined the Dairy Science Park Clinic and

Marketing Centre. DSP is introducing innovations and good practices in the field to decrease cost per unit productivity and improve products quality at dairy and calf fattening farms.

## DSP Team visited FAO Peshawar

A team of Dairy Science Park, comprising Prof M Subhan Qureshi, Prof Sarzamin Khan, Mr Zafar Paracha University Feed Mill Lessee, Engr Irfan ul Haq Qureshi Chief Executive DSP and Mr Riaz Hussain Focal Point DSP Canada visited FAO Regional Office at Peshawar, headed by Ms

Mahjabeen Qazi. DSP has been selected by the United Nations as partner for two sustainable

***“DSP will work with UN for self-employment and hygienic food production.”***



development Goals of Self-Employment for youth and hygienic food production for the people of Khyber Pakhtunkhwa and FATA. Ms Qazi appreciated the achievements and assured of support of FAO in achievement of the SDGs.

## Prof Qureshi explored R&D and business collaboration in China

Prof Muhammad Subhan Qureshi, Chief Patron Dairy Science Park and Dean FAHVS, the University of Agriculture, Peshawar, Pakistan visited China and attended the 7th International Symposium of Integrative Zoology — Wildlife Monitoring and Data Collection under Global Change, 25–28 Aug 2015, Xi'an, Shaanxi Province, China.

The Symposium was organized by the International Society for Zoological Sciences (ISZS) at the College of Life Sciences, Shaanxi Normal University, Xi'an, Shaanxi province, China.

The Conference was attended by delegates from various countries across all continents. Prof Qureshi presented a paper titled Semen Quality of Local and Exotic Roosters (*Gallus domesticus*)

during Extremes of Summers Supplemented with Ascorbic Acid and Electrolytes.

Epigenetic modifications in response to environmental changes were reviewed with new approaches, as models for more than 20 years. Gene selection through use of support vector machine was reported as a success story. He focused on pluripotent genome, one from blastula stage embryo and the genomic view of how the pluripotent state is maintained. The various molecules identified as suppressors or stimulators of developmental genes were discussed.

A discussion was held with Pro Qing Li of the Chinese Academy of Agricultural Science Beijing regarding bilateral cooperation. Several areas were identified for

collaborative research. Prof Li was offered the position of Focal Point (Dairy Science Park) for China, which was accepted with thanks. A letter of intent was signed for cooperation between the two organizations. The collaboration will facilitate utilization of the local livestock resources for export of Halal meat worth US \$2.00 billion. The resources to be generated under the Pak China Economic Corridor would be utilized in this regard.



## DSP Inspection Team visited Farmers' Sausage Company

An inspection team of Dairy Science Park visited the factory of Farmers' Sausages Company at Industrial Estate, Hayatabad Peshawar.

Chief Executive of the Company, Mr Bahram Khan approached the Chief Patron DSP who constituted a team of experts for the inspection, comprising Prof Umer Sadique, Chairman Animal Health, Dr Zahoor ul Hassan, Pathologist; Dr Arshad Zahoor, Public Health Expert; Ms Farida Tahir Microbiologist; Mr Hayat Rose and Mr Asfandiyar Khan students of Pathology. Engr Irfan ul Haq Qureshi, Chief Executive DSP accompanied the team. The Team was welcomed by Mrs Javed, Member Pakistan Livestock Board. The products prepared at the factory were Baked meatloafs, Mortadella, Smoked veal, Hunter sausages, Beef

salami, Smoked chicken, Chicken pie, Chicken sausages, Frankfurters, Pepperoni and Paprika.

The inspection team were shown facilities by Mr Bahram Khan, comprising premises for handling the incoming meat after arrival, cold room, weighing scale, mincing assembly, mixing and crushing machine, smoking chamber and boiling pots. The experts examined the quality of the facilities, discussed the deficiencies and advised the Company executives on improvement of the same. The Company's executives were educated upon importance of hygienic practices and protocols in

line with the national and international standards.

DS Park is extending technical support to the emerging industries in the province in terms of laboratory investigation and quality control practices and registering these facilities as corporate partners. In addition, registered internees are linked with such facilities for self-employment and registered farms for supply of certified raw materials.



**“DSP is supporting the emerging industries in KP regarding quality control and HRD.”**

## DSP Newsletter

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We're on the Web!

[www.dairysciencepark.org.pk](http://www.dairysciencepark.org.pk)

Dairy Science Park has been launched as a mission to support the war-hit economy of the northern Pakistan and the adjoining Afghan Regions through graduate entrepreneurship, public health safety, food security and exportable surpluses.

The Park has been networking farmers, investors, experts and public sector organizations for joining hands in converting the province into an export base for Halal meat, milk and eggs in friendly environment, cost-effective way, fulfilling demands of local markets.

The academic, research and development resources of the public and private sector are pulled under the Park for achieving the common goals.

Marketing linkages are provided to the producers, input suppliers, and service providers in livestock and allied sectors and ethical consideration and consumers, preferences are integrated into the food production and marketing cycle.

## Dairy Science Park selected as UN Partner

Dairy Science Park has been selected by United Nations for Sustainable Development Goals targeted at: i) Self-employment for the youth of Khyber Pakhtunkhwa and FATA and; ii) Hygienic food for the people of Khyber Pakhtunkhwa and FATA.

DSP is governed by an 11-members Board of Governors responsible for overall management of the Society. The Park's head office is at 401-A, City Towers, University Road, Peshawar. An Advisory

Panel of 10 members has been constituted for getting policy directions for the Park. A 21-members Panel of Experts has been notified for getting technical inputs for operation of various programs. A panel of Focal

Points (9) has been appointed for establishing scientific, business, and economic collaboration with Australia, China, India, Pakistan, Afghanistan, Turkey, the Netherlands, USA, and Canada.

