



## *Report on Third International Workshop on*

# **Dairy Science Park**

The Third International Workshop was held on November 16-18, 2015 at the University of Agriculture Peshawar, in continuation to the first two workshops held on November 21-23, 2011 and November 18-20-2013. All the three workshops were attended by 500+ participants.

**The Senior Minister Mr. Inayatullah Khan** inaugurated the Third Workshop flanked by Prof Zahoor Ahmad Swati, Vice Chancellor of the University of Agriculture Peshawar and Prof M Subhan Qureshi, Dean FAHVS/Chief Patron DSP. Academic, government and industry leaders, policy makers and farmers, from all four province of the country, Azad Jammu and Kashmir, Afghanistan and Turkey, participated in the event.

The Senior Minister and Vice Chancellor expressed their appreciation that that renowned scientists from within the country and abroad attended the event, focused on a burning issue of self-employment and hygienic food production in the region.

**Prof. M. Subhan Qureshi** welcomed all the delegates and thanked them for sparing their valuable time to attend the event. The Dean also thanked the organizers and then presented a brief overview of the DSP. The idea of DSP was envisaged by Prof. M. Subhan Qureshi during Industrial Biotechnology Conference in Egypt during his in-depth discussion with Mr Abdur Rahman Ilyas ICRISAT India, to exploit the potential of Livestock Resources in the war-and flood-hit zones of the Northern Pakistan. To materialize this dream the first international DS Parks was held on November 21-23, 2011 to sensitize the stakeholders from the public and private sectors of the country for productive utilization of livestock resources.



*Recitation from the Holy Quran*



*Senior Minister, Mr Inayatullah Khan chairing inaugural session*



*National Anthem*

SMEDA was consulted at various phases of the Park. A presentation was made before the Khyber Pakhtunkhwa Chamber of Commerce and Industry which led to establishment of a Standing Committee on Livestock at KPCCI, a business desk at SMEDA and a working group on livestock at the University of Agriculture Peshawar.

The Second International Workshop on DS Park, November 18-20, was focused on the meat industry with the aim to produce hygienic and nutritious meat for the local and International Halal Market. He thanked the Higher Education Commission for sponsoring the first three events including the current workshop. He then explained the aim of the third conference and mentioned that it is right time to start business incubation on the basis of the ideas that generates in the research Institutions in-order to support the industry and create self-employment. In this regard the production of hygienic meat and milk can play a key role.

The DSP has established collaboration with Sandia National Laboratories to reduce risk to human health from animal industry. Moreover, collaboration has been established with China Academy of Science to promote collaborative research for industrial support and exchange of scholars under the China Pakistan Economic Corridor (CPEC). Prof. Qureshi proposed a business incubation center costing sum of 250 million for infrastructure in addition to Rs.250 million as a Endowment Fund. He recommended development of quality control standards at farms, clinics, processing and market places. Endowment fund would be utilized for developing/replicating feasibility models and revitalizing the underutilized assets in public and private sectors. The Endowment Fund will support industrial research projects under the Business Incubation Center.

**The Vice Chancellor** applauded the presence of so many eminent scientists from Pakistan and other brotherly countries which guarantees that many useful idea will be generated and the gap between



*The underutilized small ruminants' resources in KP and FATA*



*The Underutilized peri-urban dairy farms*



*The unethical status of animals' transportation*



academia, industry and producers will be bridged up. The worthy Vice Chancellor UAP welcomed and thanked the delegates, especially those coming from Turkey and Afghanistan. He expected that the technical sessions will come up with new ideas will be for the uplift of the livestock industry. He thanks the organizers for successfully arranging such a mega event which has honored the University of Agriculture Peshawar in a big way.

The worthy VC also stressed that we have wasted 68 years, and despite of that fact that our homeland has one of the world best natural resources including those of agriculture land and livestock species but we failed to exploit those resources for the betterment of our people. He concluded his speech with the hope that the government will make policy that could enable us to utilize our agriculture resources optimally.

**Mr Inayatullah Khan**, the Senior Minister/Minister Local Government, Elections and Rural Development endorsed the comments of the worthy VC and Dean that our natural resource could not be utilized so for the uplift of the people, and further said that the province of KP has the potential for generating 30,000 MW of hydal power; 600 million barrels of crude oil; 10 trillion cubic feet of natural gas; and millions of acre of barren land in the Southern districts. In addition, the province can generate a lot of revenue from tourism. So for we have failed to exploit these potential. However, we do not need to spread disappointment and fear in the youth, rather we need to work hard and device policy for utilization of resources by bridging the gap between the policy maker, academia and industry. The Senior Minister declared the Dairy Science Park as the bridge to fill up the gap.

The Senior Mister informed the participants that his ministry has allocated a sum of 200 million for the establishment of model slaughter house. He endorsed the idea of establishment of autonomous DSP Board which will be run by immanent scientist, industrialists and farmers' representatives and the board will work as an independent organization.



*Unhygienic practice at the major slaughter house at Peshawar*



*Unhygienic status of poultry slaughtering in the market*



*Academic support for alternate feed resources by UAP-DSP*

In his concluding remarks he praised Prof M S Qureshi for his great vision for development of livestock sector and advised for a follow up meeting the establishment of DSP Board, Dairy Science Park Act and streamlining the slaughter house project within two week time.

The District Nazim (Mayor), Arbab Asim Khan chaired second technical session on the second day of the three days workshop. He appreciated the theme of the workshop covering self-employment and hygienic food production in the region and desired cooperation under the Park for entrepreneurship of youth especially the youth in quails farming. He advised the Dairy Science Park organize to develop standard operating procedures for livestock farming, products processing and marketing for application in the field. He desired training of butchers in hygienic meat production and marketing. He also desired training of local government elected representatives to exploit the indigenous resources in an efficient way.

**Mr Mohibullah Khan** Special Assistant to Chief Minister on Livestock advised for preparation of a livestock policy for the province. He chaired concluding session of the Workshop along with Mr Arif Yousaf Special Assistant to Chief Minister on Law and Mr Jaffar Shah Member Public Accounts Committee.

**Mr Arif Yousaf** highlighted the importance of sustainable development goals (SDGs) and was pleased to know about selection of the Dairy Science Park by the United Nations as a partner for SDGs.

He was interested in the Dairy Science Park Act KP and asked the organizers to come up with the draft act for further processing to provide relief to the partners of the Dairy Science Park, creating an enabling environment for investment in the province.

Seven technical sessions were held comprising:

i) Livestock Development and Business Incubation; ii) One Health; iii) Feed and Food Safety; iv) Animal Health and Technology; v) Poultry Science and; vi) Prospective Dairy Farming and Dairy Products in Pakistan. The Sessions were chaired by Prof M Sarwawr, Prof Zafar Iqbal, Prof Ahrar Khan and Prof Anas Sarwar from UA Faisalabad, Prof Ashraf from UVAS Lahore, Prof Younas Rana from CVS Jhang, Dr Arfan from PMAS Arid University Rawalpindi, Dr



*Evaluating entrepreneurship capacity of quails farming*



*Evaluating entrepreneurship capacity of rabbits farming*



*District Nazim (Mayor) Peshawar chairing DSP 2015*



Iqbal Khattak from VRI, Prof M Afzal AUP, and Dr Mithat from Turkey. Delegates from ILRI, L&DD, COMSATS, SMEDA, AJKU, Romer Labs, KMU and AWKUM participated. HEC was represented by Mr Nasir Shah Director QAA.

Dairy Science Park signed a **memorandum of understanding** with Selcuk University, Konya, Turkey and another with Mevlana Exchange Program, Turkey. The Turkish side was represented by Dr Mithat Direk and Pakistan was represented by Mr Arif Yousaf Special Assistant to the Chief Minister KP (Law) and Prof Dr M Subhan Qureshi, Dean FAHVS, UA Peshawar. President DSP Irfanul Haq Qureshi, CTA Prof Sarzamin Khan, Prof Mansoor Khattak, Dr Asif and Mr Intizar Ali PTI and Mr Zafar Hussain Feed Industry also attended the MoU signing ceremony.

Under the Mevlana Exchange Program, the two organizations agreed on collaboration, covering student and academic staff Exchange to concur with the principles and conditions set forth in Program to provide solutions to the issues highlighted under the Dairy Science Park.

The MoU with Selcuk University will support self-employment models and hygienic food production utilizing the livestock resources. Collaborative research will be launched in livestock and poultry production and health for control of diseases and reduction of production cost per unit. Market access will be provided to the products of both the regions. The biannual International Workshops on the Dairy Science Park, will be jointly organized in continuation with those held during the years 2011, 2013, and 2015. The suggested venue for the 2017 conference is Istanbul.



*Senior Minister visiting Industrial Exhibition at DSP 2015*



*Mr Mohibullah Khan, Mr Arif Yousaf and Jaffar Shah at concluding session*



*DSP signing MoU with SU and Mevlana Exchange Program Turkey*

## RECOMMENDATIONS OF DAIRY SCIENCE PARK 2015

Compiled by Dr Nazir Ahmad Khan and Prof M S Qureshi

1. The Senior Minister urged upon efficient utilization of the natural resource available in the Khyber Pakhtunkhwa province for the welfare of the people. The gap between the policy makers, academia and industry was highlighted. The Dairy Science Park (DSP) was declared as a platform to bridge up this gap. The Senior Minister advised that the amount of Rs 200 million released by the Local Government, Election and Rural Development Department KP for the establishment of Slaughter house at Peshawar may be utilized in appropriate consultation with the DSP experts.

2. The Senior Minister advised that an autonomous DSP board may be established under the supervision eminent academicians, and representatives of the Government, industry, farmers and civil society, focused at the burning issues of self-employment and hygienic food production. The Board will provide an infrastructure for Business Incubation Centre (Rs.250 million) to promote industrial research under an Endowment Fund (Rs.250 million). This is line with the HEC vision of “facilitating higher educational institutions to develop entrepreneurship capacities and mindsets of youth”. Follow up meeting will be held to process the case.

3. The Special Assistant to the Chief Minister (Law) Khyber Pakhtunkhwa appreciated selection of the DS Park for partnership by the United Nations under Sustainable Development Goals for self-employment of the youth and hygienic food production for the people of Khyber Pakhtunkhwa and FATA. He informed that he is chairing the committee on SDGs in the province and would include DSP in the onward consultation process.

4. DS Park signed a memorandum of understanding with Selcuk University, Konya, Turkey and another with Mevlana Exchange Program, Turkey. The Turkish side was represented by Dr Mithat Direk and Pakistan was represented by Mr Arif Yousaf Special Assistant to the Chief Minister Khyber Pakhtunkhwa and Prof Dr M Subhan Qureshi, Dean FAHVS, UA Peshawar. The former MoU will facilitate exchange of staff and students Pakistani and Turkish Universities and the later will facilitate collaborative research and industrialization process in collaboration with Konya Teknokent (Selcuk University, Technopark).

5. MoUs were signed by the Vice Chancellor, The University of Agriculture Peshawar for academic linkages, with the two Turkish organizations.

6. The aim of third international conference was to formalize the business incubation process and the participating experts would be consulted to move forward in this direction.

7. The District Mayor Peshawar advised for initiating an MoU with the DS Park to establish youth entrepreneurship, develop quality standards for livestock farms, processing and marketing channels and train the elected representatives in utilizing natural resources for employment generation and food production. The Mayor appreciated the efforts of the University in development business models like quails production and helping the meat processing and marketing partners in adopting hygienic standards. He

advised for developing quality standards and training of commercial farmers, butchers and industry workers to protect the environment and ensure access of the people to hygienic meat, eggs and milk. It will help in development of entrepreneurship for the youth and preparation of the region for Halal food local consumption and export. Research finding of FAHVS and elsewhere, would be utilized for this purpose.

8. The collaboration initiated by DS Park with the Sandia National Laboratory USA, Chinese Academy of Agricultural Sciences, Centre of Excellence for Bovine Genetic of Pakistan Army and nine countries through Focal Points was appreciated. These linkages will be utilized for achieving objectives of the DS Park.

9. Livestock Advisor appreciated the efforts of the organizers in conducting such an auspicious conference to discuss the issues of the Livestock Sector. He urged upon an enhanced collaboration among the Directorates General Livestock and Dairy Development Department (Extension and Research Wings), the Faculty of Animal Husbandry and Veterinary Sciences, UA Peshawar and the farming/business community. He urged on development of a livestock policy to respond to the prevailing issues.

10. Dr Mithat Direk offered his support to organize the Fourth International Workshop on Dairy Science Park at Istanbul during November 2017 which was welcomed by the participants with thanks.



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