



HEC



AUP



L&DD



PVMA



Alltech

## International Workshop on Dairy Science Park

(November 21-23, IW-DSP-2011)

Venue: Khyber Pakhtunkhwa Agricultural University, Peshawar-25120, Pakistan

**Theme: Developing a hub of dairy enterprises in the flood affected regions of Khyber Pukhtunkhwa through partnership of academia, government, entrepreneurs & civil society**

### Organizers

- Faculty of Animal Husbandry and Veterinary Sciences
- Directorates General, Livestock and Dairy Development (Extension and Research)
- Pakistan Veterinary Medical Association (PVMA)
- Livestock Trainers and Consultants
- Alltech Pakistan Pvt Ltd
- ICRISAT, Hyderabad, India
- Khyber Pukhtunkhwa Chamber of Commerce and Industry
- The Livelihood Program, Inter Cooperation, Pakistan

### Participation by business and development organizations

- **Official partnership:** covering publication of their company profile, using their logos on banners, internet materials and AUP website and certificate of acknowledgement: Rs, 100,000
- **Advertisement in proceeding book:** Rs, 20,000/page
- **Exhibition of stalls** Rs, 20,000/40 sq ft
- **Special sponsors:** sponsoring meals, tea, traveling and boarding expenditures of speakers, conference bags.

### Participation by individuals (tick one)

- **Pakistan:** Rs, 500 for students  Rs, 1000 for regular participant
- **Foreigners:** US\$ 150 for students  US\$ 300 for regular participant
- (Payable at National Bank of Pakistan, University Campus Branch, Dean FAHVS a/c # 0000 159 943)

**Paper submission:** Abstracts may be submitted up to 5 November and full papers up to 10 November. Abstract will be published in the proceedings book and selected papers will be published in Pak Vet J or Sarhad J Agric after review and payment of fees.

### Registration from

Name	Address	
Contact	Tel:	Email
Fee paid	Amount	Receipt #

**Contact:** Prof M Subhan Qureshi, Dean/Chief Organizer IW-DSP, Agricultural University, Peshawar-25120, Pakistan. Mob +92-300-5877933; [drmsqureshi@aup.edu.pk](mailto:drmsqureshi@aup.edu.pk); Dr Umar Sadique Khattak (AUP), [druskhattak@yahoo.com](mailto:druskhattak@yahoo.com); Dr M Iqbal Khattak (VRI/LRD/PVMA), Mob 0300-9001679, Dr Asal Khan (L&DD), Mob 0300-9357981; Zahoor-ul-Hassan (Tech), [zahoor82@gmail.com](mailto:zahoor82@gmail.com); Dr Zakir Hussan (LTC), Mob 0333-9476625; Dr Shahzad N Jadoon (Alltech), [sjadoon@alltech.com](mailto:sjadoon@alltech.com); <http://www.aup.edu.pk/dairy-science-park.php>



# Patron: Prof Dr Khan Bahadar Marwat, Vice Chancellor

## On campus Committee

Prof Dr Muhammad Naeem, Dean FCPtS  
Prof Dr Muneer Khan Khattak, Dean FRSS  
Prof Dr Muhammad Subhan Qureshi, Dean FAHVS  
Prof Dr Sohail Akhtar, Chairman LM Department  
Prof Dr Gul Hassan (Retd), Weed Science Department  
Dr M Azeem Khan, I/c Weed Science Department  
Dr Sohail Ahmad, Chairman ABG  
Prof Dr Hidayatur Rahman, CE  
Dr Farzand Ali Jan, Director Finance  
Mr Rizwan Ahmad, Addl Director P&D  
Dr Umar Sadique, Secretary  
Dr Ihsanullah, I/C Dairy Farm

Prof Dr Zahoor Ahmad Swati, Dean FCPdS  
Prof Dr Alamzeb, Dean FNS  
Prof Dr Farhatullah, Director ASAR  
Prof Dr Nazir Ahmad, Chairman AN Department  
Prof Dr Muhammd Jamal Khan, Director P&D  
Dr Sarzamin Khan, Chairman PS  
Mr Abdur Rafi, Provost  
Dr Nazir Hussain Shah, Director General (Res)  
Dr Muhammad Zulfikar, Registrar  
Engr Lutfur Rahman, Director Works  
Dr Zahoorul Hassan, Technical Coordinator  
Dr Shoaib Sultan Afridee, Feed Mill Manager

## Off campus Committee

Dr Sher Muhammad, DG L&DD (Extension)  
Mr Muqarrab Ali Khan, Director Breed Improvement  
Dr S Shabir Ahmad Shah, Director AHITI  
Lt Col Munawar Shah, RVFC  
Dr Malik Ayaz Wazir, President PVMA  
Prof Dr M Azam Kakar, BUITEMS, Quetta  
Prof Dr Akhtar Qureshi, AJKU, Muzafarabad  
Prof Dr M Ashraf, UVAS, Lahore  
Prof Dr Nazir Ahmad, UA Faisalabad  
Prof Dr KB Mirbahar, SAU, Tandojam  
Prof Dr Muhammad Sarwar, UA Faisalabad  
Dr Shaukat Khan, Program Director, LTC  
Dr Iqbal Raheem, GS PVMA

Prof Peter Wynn, CSU Australia  
Dr Ghufuranullah, DG L&DD (Research)  
Mr Javed Khattak, Provincial Chief SMEDA  
Dr Muhammad Arshad, President PVMC  
Prof Dr G Habib, UVAS, Lahore  
Prof Dr AN Naqvi, PARC, Islamabad  
Prof Dr HA Samad, Islamic Univ Bahawalpur  
Prof Dr Talat Naseer Pasha, UVAS, Lahore  
Prof Ahrar Khan, Editor Pak Vet J  
Dr Amanullah Akhtar, Gomal Vet College  
Prof Dr Nematullah, UAA Rawalpindi  
Dr Khalid M Shauq, Vet News & Views



## **IDF position on dairy farming**

The International Dairy Federation (IDF) has placed environmental considerations at the top of their priorities. According to Richard Doyle, IDF President, *“IDF is taking a proactive approach to support sustainable agriculture by identifying best practices and sharing international experiences. Their objective is to ensure the production of safe and high quality nutritious dairy food for human consumption, undertaken in harmony with the environment.”*

IDF recently participated with 6 other international organizations in the launch of the Global Dairy Agenda for Action; a declaration of the industry’s commitment to making positive contributions to global action in addressing climate change. The declaration also includes the Green Paper, a compilation of 299 international initiatives where dairy industry stakeholders from over 40 countries have addressed environmental practices and impacts.

The Global Dairy Agenda for Action on Climate Change is a statement of commitment by the dairy supply chain to take action to address climate change. The dairy supply chain is committed to providing consumers with the nutritious dairy products they want, in a way that is economically viable, environmentally sound and socially responsible. This includes reducing emissions of greenhouse gases such as methane, nitrous oxide and carbon dioxide that are associated with the production of a unit of dairy product and which contribute to climate change.

The dairy supply chain recognized the need to work together in order to address this significant challenge. Climate change initiatives have already been launched around the world, but the signatories and participants of the Agenda for Action identified the need to pool knowledge and resources to achieve the changes in technology and practice needed to further reduce emissions.

### **The World Dairy Situation**

The World Dairy Situation is being regularly documented by the IDF and last year it was published as Bulletin Number 438/2009. Milk production during 2009 reached a level of 580 million tons (cows) and 89 (buffaloes). This showed an increase of 24 and 48% during the last decade. The strongest gain was noticed in Asia, particularly in India.

The growth rate in China retarded due to weaker demands followed by melamine scandal. In the US the low cost of production and historically lower farm milk prices caused retardation in milk production. The European Union showed an increase in milk production as a response to the rising milk prices. In South America milk production increased by 1.8% during 2008, exceeding self sufficiency and sparing it for export. In Australia and New Zealand the weather seemed to have more influence than other regions and milk output increased up to June, 2009.

### **Buffalo milk**

Buffalo milk increased at a double rate as compared to cow's during last decade at global level. 90% of buffalo milk is produced in India and Pakistan, the remaining coming from China, Egypt and Italy. 53% of the world milk produced is channellized to formal marketing and processing channels. In the North America, EU-15 and Japan this ratio reached 100% while in Russia, India, Pakistan and South America this ratio is considerably low and the milk is handled by "informal sector".

### **Pakistan's standing**

Pakistan has been ranked 2<sup>nd</sup> in buffalo milk production and 3<sup>rd</sup> in total global milk production. Although the livestock sector contributes 55% to the agriculture added and 11.3% to the gross domestic products in the country, the role of the sector on export and production of certified products for human consumption inland is negligible. During the recent years the government has placed the sector on National Development Agenda and Livestock Development Policy has been implemented focused at private sector led livestock development, with the enabling environment provided by the government. Livestock and Dairy Development Board (LDDDB) and Pakistan Dairy Development Company (PDDC) have been established in addition to other developmental organizations, to spearhead the development efforts. These two programs have been actively focusing on small and medium dairy farmers. National livestock production comprises US\$ 22.5 b of milk and US\$ 6.0 b meat, contributed by cattle, buffalo, sheep and goats valuing US\$ 73 billion. Our province contributes 14% of these assets.

### **The organizers**

**Faculty of Animal Husbandry and Veterinary Science:** The faculty is supporting the livestock sector through teaching, research and outreach services. DVM program has been in place since 2004, covering animal production and health disciplines through a curriculum approved by the PVMC/HEC. MSc (Hons) and PhD programs are offered in Livestock Management, Animal Nutrition and Poultry Science. A 6-months DVM internship is conducted with the cooperation of sister organizations and industry. Applied research is focused on field problems and livestock/poultry farmers are served through outreach services, the feed mills and the dairy processing unit.

**Livestock & Dairy Dev (Extension):** The Directorate of L&DD undertakes to accomplish various assigned tasks in discharge of its responsibility towards the development of livestock sector for the benefits of the public in general and the farming community in particular, in order to raise their income and living standard. Breeding improvement directorate and Animal Husbandry In-service Training Institute are working for their specialized mandates.

**Directorate General L&DD (Research)** comprises Veterinary Research Institute and regional centers, engaged in control of poultry and livestock diseases, enhancement of livestock productivity, poverty alleviation, women development, improvement in human diet and assistance to the universities in academic research. The Livestock Research and Development Directorate is focusing its efforts on livestock production and fodders research.

**Livestock Trainers and Consultants:** LTC is a non-governmental organization dedicated to provide quality services to the farming community without discrimination & regardless of race, religion, creed or political affiliations. LTC got registered under society act 1860. It is joining hands with the national and international sponsoring organizations to seek monetary funds to benefit all its stakeholders in the country.

### **The Workshop**

The workshop has been organized to analyze the current situation in the country and propose means for research and development intervention in the dairy sector through coordinated efforts of academia, government departments, development agencies and private sector organizations. The initiative for holding this workshop was supported by National Vocational and Technical Education Commission (NAVTEC) of Pakistan and Agri-Science Park@ICRISAT, Hyderabad India (Mr Abdur Rahman Ilyas, Chief Operating Officer). The Global Dairy Health Limited has shown their interest in contributing to development of a model.

In the meantime the country and especially the Khyber Pukhtunkhwa Province were badly affected by the flood. The livestock holdings suffered the most, withdrawing the livelihood support from the people. Rehabilitation process is going to commence soon, supported by various donors. The workshop will provide a vehicle for the rehabilitation process, providing guidelines for erecting the hub of dairy enterprises in an environment friendly way providing livelihood support to the flood affected people. We intend to develop a business incentives package with the help of provincial government and KPCCI for the farmers and graduates to develop the dairy related business and utilize the available resources productively. International investment will be explored through KPCCI and the foreign missions.

### **Invitation**

The organizing committee invites all interested academicians, civil society representatives, potential business partners and representatives of the provincial/federal governments and NGOs to participate in the workshop focused at converting the existing dairy resources to viable commercial enterprises and promote establishment of new enterprises through a network of all stakeholders to be called the Dairy Science Park. Invitation letters will be sent to interested persons.

