

Special Indigineous On-campus Training for Secuity Staff at UAF

UAF Security Staff got technical training from Elite Force and Counter Terriorism Department (CTD) to enhance their searching, weapon usage and countering the terriorists attacks. They were also trained or mob and emergency handling. The staff was given hands-on training in the field under the situation of faked terriorist attack. UAF appreciates and acknowledges the efforts made by Punjab Police to get this task done in a befitting manner.









An International Workshop by ICDD and UAF

"International Workshop on Sustainable Energy Solutions for Community Development in Pakistan" will be held on November 8-9, 2016 organized byUniversity of Agriculture, Faisalabad-Pakistan, sponsored by "International Center for Development and Decent Work (ICDD). The workshop comprises series of events viz. oral presentations, poster session, innovative technologies exhibition and on-field demonstration. Distinguished International speakers and national speakers from various universities and organizations on Energy Sector will participate in all the activities during the workshop. This event will be blended with learning, festivity, reminiscence and community interaction with the dedicated participation and commitment of all the stakeholders. This will provide memorable and excellent opportunity to display the research output for the benefits of the stakeholders.

The scientists/researchers working on innovative ideas are requested to submit their **Abstracts** (250-300 words) related to any aspect of renewable energy, energy conservation, energy auditing, sustainable energy solutions and energy in food and agriculture before **October 10, 2016.** Accepted abstracts will be published in workshop proceedings. Please contact Dr. Anjum Munir (anjum.munir @uaf.edu.pk Cell: +92-300-9667687) for further queries.

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APO International E-Learning Course on

Value Addition to Agri Products

The National Productivity Organization (NPO), Ministry of Industries in collaboration with Asian Productivity Organization (APO Japan) & University of Agriculture Faisalabad, are pleased to announce a 4 days e-Learning training program on "Value Addition to Agri Products" at Faisalabad from September 20-23, 2016.

IMPORTANCE: Value addition to agricultural products has enormous potential for increasing productivity, incomes, and off-farm employment opportunities in developing countries. However, in many APO member countries this has not been consciously practiced, especially at the level of small farms and enterprises. It is important for producers and related agribusiness related players and food-industry SME entrepreneurs to have the skills and know-how to add value to agricultural and food products and increase their profitability.

OBJECTIVE: This program is designed to acquaint participants with recent developments and new tools and techniques in value addition to agricultural and food products for increasing the productivity and profitability of SMEs.

METHODOLOGY: Interactive online Lecture, Group Discussions, Live Country Presentation

DATE

September 20-23, 2016

ГІМЕ

2:30-3:30 PM

DAYS

Tuesday - Friday

VENUE

Video Conference Hall University of Agriculture, Faisalabad

FEE

Rs 5,000/- per participant, Rs 2500/- For UAF Students

Includes training materials, certificate from APO Japan

MODE OF PAYMENT

Cash / Bank Draft in the favour of National Productivity Organization

COURSE CONTENTS:

- Basic concepts and principles of value addition;
- Product development, innovation, and value addition;
- Adding value through processing, packaging, and marketing;
- Utilization of by-products and farm waste to create new value-added food and nonfood products;
- Emerging global trends in new and value-added products with successful stories
- Value addition through quality, and safety assurance certification systems

RESOURCE PERSON:

International experts from Japan, Singapore and Pakistan will conduct the sessions.

DESIGNED FOR:

Managers & product development officers of SMEs in agribusiness & Food-industry, SME enterprises, officers of industry associations, Consultants, Extension Officers of Govt Agencies and NGOs including farmers' cooperatives in charge of training farmers & rural entrepreneurs.

For Registration Please Contact

Ms. Saba Taj Anwar

Management Associate National Productivity Organization Office # 234- Ferozepur Road, PITAC Building-NPO Office Lahore

Mobile:+92-333-4139323 E-mail: sabataj@npo.gov.pk

Closing Date for Registration

Only 25 Seats are available, contact before $17^{\rm th}$ September 2015

National Productivity Organization Ministry of Industries & Production

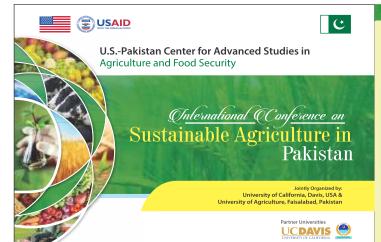
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Agricultural production must be sufficient to feed us now and in the future.

Advanced agricultural technologies will play a critical role in Advanced agricultural technologies will play a critical role in Advanced agricultural technologies will play a critical role in the Sustainable-Management of Agriculture through Resources and Technologies (SMART) approach encompasses situation analysis through real time monitoring, improving seed characteristics, reducing inputs, and promoting public private profitable partnership for improving sustainable livelihoods of farmers. Advanced biotechnologies like Genomics and Genome Editing and Precision Agriculture show great promise to meet such SMART needs.

Genomics has emerged as the science linking DNA structures with functions at the cellular level. Thanks to better understanding of DNA, now Genome editing provides unprecedented control over animal and plant genetic material for precise, robust and highly specific genome engineering. Precise genome modifications mediated by designer nucleases and the cellular DNA repair system can provide a platform to address basic hological questions and for advanced machinery to reduce inputs, the application of real time farm management based on IKT, sensors and computer modeling. The integration of these SMART technologies will help to improve traditional cultivation in accordance with local conditions.

This session will focus on recent developments in Genomics, Genome editing and Precision Agriculture technologies and their potential use for agriculture sustainability.





Introduction

Deceleration in agricultural growth rates, bridging yield gaps, adapting to climate change / developing mitigation strategies, desertification, negative afforestation rates, degradation of rangelands, over-mining of ground water and emerging water scarcity, SPS compliance and ensuring food security for a fast growing population are major challenges. Faced by the agricultural sector in Operations and the adoption of advanced technologies under changing climate conditions can help to overcome these challenges.

The Centre for Advanced Studies in Agricultura and Food Security, UAF has taken an initiative to discuss these issues by holding an International Conference on Sustainable Agricultural Development in November 2016. It will be a three day conference (November 7,1 88.49) focusing on three major topics. The first day will be devoted to challenges and policy issues for agricultural sustainability. The second day will explore how long-term research experiments could be usefull in responding to these chanlenges, particularly in the context of climate change. The role of advanced technologies in agricultural sustainability will be discussed on the third day. The conference will be attended by a number of international experts, planners, policy makers, implementers, researchers, farmer representatives and elected representatives it is expected that a policy framework will be developed that can serve as a guiding document for the countrys policy-makers.

Challenges and Policy Issues in Agricultural Sustainability
Historically, Pakistars agriculture has performed well. With the expansion of in cultivated / cropped and irrigated area / increasing livestock numbers, the introduction of green revolution technology, and investment in agricultural education, research and extension, it has been possible to feed the growing population, provide raw material to local industry and generate surpluses for exports. However, stresses and strains are now appearing for the sustainability of agricultural development. A thorough analysis is needed of the many current challenges including structural changes in fram isze? livestock herds, land-water and other input use, the institutional framework, investment in agricultural research, competitiveness in domestic and international markets, and emerging urban and foreign markets. Thoughfull deliberations among stakeholders and sectoral experts would reveal the nature and extent of challenges being faced in ensuring sustainable agricultural development, the adequacy of existing policies and need for policy reforms.

INTERNATIONAL CONFERENCE ON SUSTAINARI E AGRICUITURE IN PAKISTAN

Long Term Research Experimentation for Sustainable Agricultural Research
Long-term Experiments in agricultural research (LTRE) can make a valuable contribution to the search for sustainable solutions. Such experiments generate valuable scientification of the search for sustainable solutions, and experiments generate valuable scientification of the search of the se

Sustainable Agricultural Research

Day 1: Thursday, November 17, 2016

Challenges and Policy Issues in Sustainability of Agriculture	
	Inaugural
1	Water, Energy and Food Security Nexus
2	Land Use and Environmental Considerations
3	Markets, Institutional Setting and Governance
4	Role of Outreach for Sustainable Development
5	Concluding Remarks and Recommendations

Day 2: Friday, November 18, 2016 Long Term Research Experiment for Agricultural Sustainability under Changing Climat		
2	Importance of LTREs and Farming System	
3	Soil Management & LTREs	
4	Range Land and Pasture Management through LTREs	
5	Concluding Remarks and Recommendations	

Day 3: Saturday, November 19, 2016

ı	Advance	dvanced Technologies for Sustainable Agriculture		
	1	Sustainable Agriculture and New Biotechnologies		
	2	Precision Gene-Editing Technology		
	3	Precision Agriculture: a SMART Approach		
	4	ICT for Farm Management		

5 Concluding Remarks and Recommendations

PB-896 is a high yielding and very good fibre quality traits cotton strain developed by cotton research team of the Department of Plant Breeding and Genetics, University of Agriculture Faisalabad. This strain produced highest yield in Punjab province in National Co-ordinated Varietal Trials (NCVT) 2015 conducted by Pakistan Central Cotton Committee.



It is an early maturing cotton strain so wheat crop may be cultivated in time after harvest of this cotton strain. It has yield potential of 35-40 monds per acre. It has 40% GOT and 30 mm staple length. Because of high GOT and staple length it would also be preferred by cotton ginners as well as textile industrialists. The seed of this candidate variety would be available next year for sowing after its approval by the Department of Agriculture, Govt. of Punjab.

Cotton Research Team:

Dr. Tanwir Ahmad Malik; Dr. Tariq Manzoor Khan; Dr. Azeem Iqbal Khan; Dr. Amir Shakeel; Dr. Muhammad Tehseen Azhar



A complete meal used as alternate of rice

Quinoa

A super food, very high in protein, cholesterol lowering fat, gluten free, rich in minerals, vitamins and antioxidants

1kg

Alternate Crops Lab, Department of Agronomy, ORIC, University of Agriculture, Faisalabad UAN:+ 92- (41) - 9200183, 9200161-170 Ext. 3600, 3601

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