



UNIVERSITY OF
AGRICULTURE
FAISALABAD- PAKISTAN



Success Stories of



OFFICE OF RESEARCH,
INNOVATION &
COMMERCIALIZATION

Transforming Concepts into Impacts

@ www.uaf.edu.pk

@ oric@uaf.edu.pk

f www.facebook.com/oricuaf

PHD COMPETITION AT ORIC

ORIC organizes PhD Research Proposal (Oral and Poster) competition twice a year at University level. The winners are decorated with cash awards and

certificates. On April 7, 2016 prize distribution ceremony was held at New Senate Hall. The Vice Chancellor gave away the prizes.



DAWN PAKISTAN FOOD & AGRI EXPO 2016

University of Agriculture, Faisalabad participated in Dawn Pakistan Food & Agri Expo 2016 at Expo Center Lahore. Provincial Minister for Agriculture Dr. Furrukh Javid and Prof. Dr. Iqrar A Khan, Vice Chancellor UAF visited UAF Stall and appreciated the efforts of UAF team to Showcase the innovative technologies for the farming community.



TECHNOLOGIES DEVELOPED FOR COMMERCIALIZATION

UAF as a seat of higher education, research outreach and advocacy has developed innovative technologies ready to be commercialized and available for the use of farming community to cater the national needs. ORIC in consultation with the inventors has compiled a technology brochure which is available on the website (www.uaf.edu.pk). Comments by the researchers to improve the compiled information will be acknowledged.



WORKSHOP ON “ENTREPRENEURSHIP: CURRENT CHALLENGES AND FUTURE PROSPECTS”

A workshop on “Entrepreneurship: Current Challenges and Future Prospects” was arranged on Sunday May 15, 2016 in the University of Agriculture, Faisalabad Sub-Campus Burewala-Vehari. Prof. Dr. Abdus Salam Khan, Principal/Project Director, University of Agriculture, Faisalabad Sub-Campus Burewala-Vehari extended a very warm welcome to the distinguished guests and audience. He deliberated over the advantages of holding entrepreneurship workshops and also highlighted how the University of Agriculture, Faisalabad Sub-Campus Burewala-Vehari was playing its role to promote entrepreneurship. Mr. Khalid Mehmood, President, Vehari, Chamber of Commerce and Industry, participated in the event as the Guest of Honor. He also shared his experiences and insights as an entrepreneur and discussed different innovative projects that should be taken up for promoting entrepreneur culture in the country. He was of the

view that we need to be job providers rather than job seekers. Such approach would help improve the standards of competitiveness and economic development in the country. Syed Sajid Saleem Mehdi, Member of National Assembly, the Chief Guest also explained the role of government regarding the development of agricultural sector in the country in general and in Burewala-Vehari in particular. He also stressed that the concept of promoting entrepreneurship in the agribusiness sector is likely to turn out very fruitful for the society. Later on, Dr. Waseem Ahmad, In-charge BIC, discussed his point of view on Entrepreneurship: Current Challenges and Future Prospects. He explained how an Entrepreneur can play a role in the society, and pinpointed which major factors need be considered while embarking on a new enterprise, clarifying also how University of Agriculture, Faisalabad can play a vital role in mobilizing and facilitating new startups.



SOCIAL INCUBATOR TRAINING PROGRAMME

A Social Incubator Training Programme (SITP) was held at ORIC from May 31-June 01, 2016 for capacity building of the ORIC/ BIC management with focus on Student led Social Enterprises. Mr. Asama Bhadelia, Associate Manager Programs of Social, Entrepreneurship and Equity Development (SEED), a

training delivery partner of British Council), conducted training on Incubation Center, Faculty Members and Students led Social Enterprises marking the pilot phase for the Social Entrepreneurship Programme.

SPECIAL INDIGENOUS ON-CAMPUS TRAININGS FOR SECURITY STAFF

Learning Innovation Division, HEC Islamabad under Modern University Governance Program provided funds for special trainings of UAF security staff from July 26 to August 02 and July 25 to August 25, 2016. Various security agencies like Janbaz Force (Pak Army), Elite Force (Punjab Police), Rescue 1122, Civil Defence

and Counter Terrorism Department (CTD) trained UAF security staff under this initiative. ORIC, Estate Department, Directorate of Student Affairs, Directorate of Monitoring and Evaluation and other segments of the University cooperated to furnish this training.



YOUNG DEVELOPMENT LEADER AWARD

On the eve of 2nd Anniversary of Pakistan Vision 2025, Ministry of Planning, Development and Reforms awarded 'Young Development Leader Award' (Agriculture Category) to Dr. Muhammad Naveed, Assistant Professor, Institute of Soil & Environmental Sciences, UAF. The mega ceremony was held on August 11, 2016 at Pak-China Friendship Center, Islamabad. Senator Pervez Rashid, Federal Minister for Information, Prof. Dr. Ahsan Iqbal Federal Minister for Planning, Development and Reforms decorated Dr. Naveed with the Award. The University campus community congratulated the young agricultural scientist for receiving this award. The Vice Chancellor, Prof. Dr. Iqrar Ahmad Khan (S.I.) especially felicitated the young scientist in the 281st session of Academic Council.



UNIVERSITY OF AGRICULTURE FAISALABAD AND SADIQ GROUP INKED AN MOU

The University of Agriculture Faisalabad and Sadiq Group Rawalpindi signed a Memorandum of Understanding (MoU) for the development of poultry sector. Prof. Dr. Iqrar Ahmad Khan, Vice Chancellor and Mr. Toseeq Ahmad, Manager HR, Sadiq Group signed the MoU at Vice Chancellor Secretariat. Prof. Dr. M

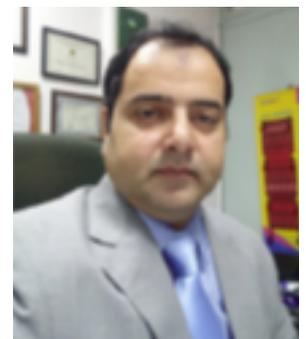
Aslam Mirza, Director, ORIC, Prof. Dr. Zafar Iqbal, Acting Dean Faculty of Veterinary Sciences/DSA, Prof. Dr. Rashid Ahmad, Director External Linkages, Prof. Dr. Pervaz Akhtar, Principal Sub Campus Toba Tek Singh and Dr. Abdul Naveed Associate Professor/ Focal Person Internship Program were also present.



6TH HEC OUTSTANDING RESEARCH AWARDS 2015-2016



It is matter of great pride for UAF that Dr. Imran Pasha, Assistant Professor NIFSAT was selected for the "Best Young Research Scholar award 2015-1016 by HEC with a cash prize of Rs. 150,000 as a token of appreciation.



6TH HEC OUTSTANDING RESEARCH AWARDS 2015-2016



Dr Tariq Aziz, Associate Professor, Institute of Soil & Environmental Sciences was selected for the 'Best Research Paper' award 2015-2016 by HEC with a cash prize of Rs. 70,000 as token of appreciation.



CELEBRATIONS OF WORLD SPACE WEEK

The University of Agriculture, Faisalabad in collaboration with Pakistan Space and Upper Atmosphere Research Commission (SUPARCO) organized series of events like Space Awareness Walk, Water Rocket Competition, Model Making & Poster competition, Quiz & Declamation Competition and Female Cycle Race under World Space Week Celebrations from October 20-22, 2016. The participation of school and college students was

highly commendable to boost up the momentum of these activities. Dr. M. Ijaz, Director Agriculture Information at SUPARCO was the guest of honor. Prof. Dr. Iqrar Ahmed Khan (SI) the Vice Chancellor appreciated the efforts made by ORIC and Lab. School & College System UAF to celebrate this event in a befitting manner. The students enjoyed all the activities planned under this event.



DICE-2016 FOOD & AGRICULTURE, INNOVATION EVENT

DICE-2016 Food & Agriculture, Innovation event was held at UAF from November 2-3, 2016. Prof. Dr. Iqar Ahmad Khan, Vice Chancellor in his opening remarks emphasized the scientists to translate research into goods & services for the betterment of society. Despite of variety of surplus food, Pakistanis are under the situation of mal nutrition. He urged to curtail postharvest losses and promote value added food products. Mr. Sohail Jamal, Co-Chairman, DICE-USA, Mrs. Najma Afzal MPA, Dr. Habib Aslam Gaba, Chairman Academia Industry Linkages, FCCI, Engineer Ahmad Hassan Vice President FCCI and other distinguished guests accompanied the Vice Chancellor to inaugurate the DICE-2016 Food & Agriculture competition. On the eve of this mega

event a seminar on “University Industry Collaboration: Implications for Improving Business Education in Pakistan” was organized on November 2, 2016 at New Senate Hall-UAF. Dr. Habib Aslam Gaba Chairman, Academia Industry Linkages, FCCI, Ms. Sadaf Amir, JK Agri. Farms, Mr. Fritz Bohmler CEO, Solar Company Germany, Dr. Nadeem Tariq CEO, Niha Tech. Pvt. Ltd. shared their success stories with the audience. Prof. Dr. Zahir Ahmad Zahir Director ORIC in his concluding remarks appreciated the efforts of organizers to bridge the gaps between Academia & Industry through such seminars and offered to provide all facilities to the business community for collaboration & networking with academia.



A WORKSHOP ON INNOVATION AND ENTREPRENEURSHIP

ORIC, UAF organized one day workshop on "Innovation and Entrepreneurship" with the collaboration of Institute of Engineers Pakistan (IEP) Faisalabad chapter. The purpose of this workshop

was to create awareness about entrepreneurship ecosystem among the faculty and students and to promote entrepreneurial culture to combat issues of unemployment and misplacement.



GREEN HEAVENS LANDSCAPE | SUCCESS STORY OF AN INCUBATEE

Green heavens landscape provides reliable, professional and cost effective landscape solutions. Through diverse array of services which include landscaping and designing to both Government and Private sector clientele. The company is utilizing sustainable landscape maintenance practices. Green heavens landscape was registered as incubatee in 2015 with Business Incubation Center University of Agriculture, Faisalabad. Since its incubation Mr Umer Farooq worked hard for success of his venture. Business Incubation Center also provided continuous mentoring that ultimately resulted in success of subject venture. According to the firm, there are very few companies operating in this space; further the unique approach of Green heavens landscape keeps them ahead of their competitors. The company is now successfully providing services to domestic and commercial clients nationwide. It currently has employed fifteen persons. Green heavens landscape

has opened new horizons in landscaping industry. Mr Umer Farooq related his current success with UAF, Business Incubation Center. He said "it was a wonderful experience working in BIC. This center connected us with a couple of potential partners and clients. Overall, we had a very good experience and I think BIC is playing a significant role in promoting entrepreneurship."





Sustainable farming:

UAF aims to revolutionise agriculture with innovation

Shamsul Islam

FAISALABAD:

The University of Agriculture Faisalabad claimed to have developed 101 innovations, which the varsity said, would revolutionise the economy and make the agriculture sector sustainable.



” There are several soil amendments and databases created to improve soils and enhance fertiliser use
University of Agriculture VC
Dr Iqrar Ahmed

Water and energy solutions have been developed for easy adoptions with a focus on renewable options.”

He said that special emphasis has been give on reducing post-harvest losses and value addition to capture markets within and outside Pakistan. New flour blending and fortification technologies were made available to address the malnutrition in children and women.

Dr Iqrar claimed that the experts of the UAF have developed technique for utilisation of rice industrial wastes for oil extraction and value addition to several products.

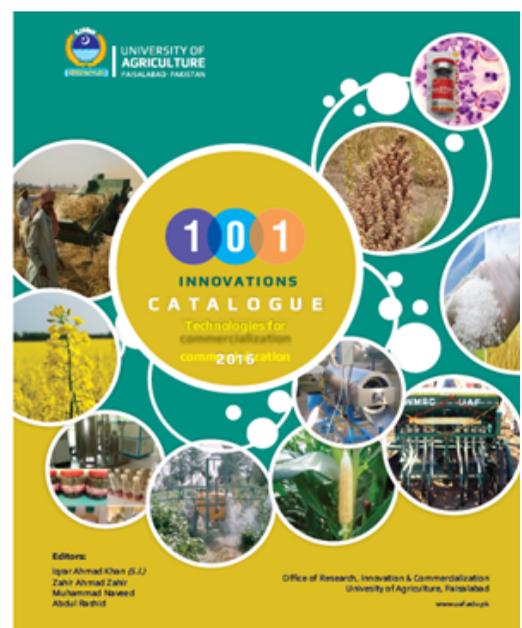
He said that these techniques would be used in exploring the role of edible coatings to improve the quality and shelf life of whole and minimally processed fruits, fortified wheat flour, value added bakery products, multigrain bread, development of flavoured chapattis supplemented with barley, and for other value added products.

“With the help of new technology, the country can fetch huge foreign exchange by export of the agro-based products besides substantial contribution in the national economy and enhancing the profitability of the growers,” VC added.

Published in The Express Tribune, January 7th, 2017.

101 INNOVATIONS CATALOGUE

University of Agriculture Vice Chancellor, Dr Iqrar Ahmad Khan revealed this while talking to the media persons here on Friday. He said that the new innovations would make the agriculture sector profitable and help open new business avenues for rural development and prosperity. The catalogue has been developed by the Research, Innovation, and Commercialisation department. "This catalogue summarises as many as 101 entries (technologies) that have an enormous commercialisation value; the VC said. "There are new varieties of cotton and mustard with competitive advantage of determinate growth and potential for mechanical harvesting: he elaborated." Three new hybrids of maize with high pro-vitamin A contents are ready for release to the market. Transgenic sugarcane is in the testing process. Ten new mango selections are being promoted. Two new breeds of backyard poultry have also been developed." He claimed that "a large number of mechanical and agricultural engineering innovations" have been made available for industrial manufacturing. "There are several soil amendments and databases created to improve soils and enhance fertilizer use: Dr Iqrar said. The plant and animal pests and diseases are being addressed through environmentally safe interventions.





ESTABLISHING A TECHNOLOGY AND INNOVATION SUPPORT CENTER (TISC) NETWORK IN PAKISTAN

IPO Pakistan in collaboration of World Intellectual Property Organization (WIPO) and HEC has established a network of Technology and Innovation Support Centers (TISCs) in Universities, Research Institutions and other relevant public and private Institutes. The objective of TISC network is to promote the use of patent information among the researchers, entrepreneurs, IP managers, attorneys, Government officials and Policy makers by making the national and international patent databases accessible to them.

These centers will also act as one stop shop for other IP related services. In this connection, Dr. Khuram Zia Assist. Prof., ORIC attended the workshop on “Access to Technology for Innovation and Establishing a Technology and Innovation Support Center (TISC) Network in Pakistan” which was held on January 31 to February 01, 2017) at HEC, Islamabad. University of Agriculture, Faisalabad has also established TISC at ORIC.



R&D COLLABORATION BETWEEN ASIA POULTRY FEEDS (PVT) LTD AND UAF

A delegation from Asia Poultry Feeds (Pvt.) Ltd comprising of Mr. Imran Ashraf, General Manager and Mr. Nauman Sarwar, Manager Business Development visited UAF on January 30, 2017 to streamline the Agricultural Land Use Agreement which was recently signed under Academia Industry Linkages Program. During their visit, all pros and cons for this collaboration were discussed in the presence of Director, ORIC, Director Farms, Treasurer and Land Utilization Officer. The Asia Poultry Feed committed to extend its cooperation for students and other stakeholders to involve in the R&D activities.

Afterwards, the delegation visited the site to prioritize the development work.



STUDENT STARTUP BUSINESS COMPETITION-2017

The Business Incubation Center organized a “Student Startup Business Competition 2017” at UAF on February 16, 2016. For this purpose, 45 students submitted their proposals, a scrutiny committee comprising of Dr. Waseem Ahmad, Dr. Khurram Zia, and Mr. Imran Munawar, shortlisted 10 proposals. The applicants of these proposals presented their ideas to

the panel of Judges comprising of Prof. Dr. Zahir Ahmad Zahir, Director, ORIC, Prof. Dr. Munir Ahmad, Director, IBMS, Prof. Dr. Muhammad Jafar Jiskani, Director, EFS, Mr. Fahad Ghaffar, PPP Coordinator, USPCAS-AFS, Dr. Waseem Ahmad, BIC and Mr. Farooq Hassan, BIC.



ORIENTATION WORKSHOP REGARDING WOMENX TRAINING PROGRAM AT UAF

The Enclude organized an Orientation Workshop regarding Womenx Training Program for the faculty members of Institute of Business Management Sciences, UAF at the Best Western Hotel, Faisalabad on February 17, 2017. The Technical team leader Gerrit Ribbink and Project Manager Ms. Maria Umar along with Assistant Project Manager Ms. Haniya Mudassar, participated in day long orientation workshop for the faculty of IBMS about the structure and design of the training program Womenx which was initiated by the IBMS faculty, in March 2017. This specialized business training program is designed exclusively for women entrepreneurs who are running their business in Faisalabad at different level. This is one of the unique

kind of trainings that is needed and desired by women entrepreneurs in Faisalabad.



QUARTERLY PROGRESS REVIEW OF STUDENTS STARTUPS AWARDEES

Student Startup Business Center (ISSBC) team comprising of Dr Waseem Ahmad (Incharge, BIC) Mr. Muhammad Imran Munawar and Mr Fahd Farid Saeed visited business places of SSBC Awardees. The aforesaid personnel monitored the financial health of startups. The team also communicated different suggestions to startups for coping with current

challenges and to enhance profitability out of startups.



BEST POSTER PRIZE IN NATIONAL GRADUATE CONFERENCE

National Graduate Conference was held at Allama Iqbal Open University Islamabad (AIOU) on March 15-16, 2017. Conference was organized to provide a National platform to research students of Pakistani Universities and their mentors to showcase their work in progress as well as their completed yet unpublished work. Graduate Conference was a plausible platform for graduate students (Master and above) to present their research work in the form of Poster Presentation, oral paper with multimedia presentation, round table discussion, panel discussion and project exhibition. This conference not only provided chance to the students to present research work but it also commenced the competition between students and imparted the winning group with great appreciation. Recently a group of Master students Asma Andleeb & Sidra Akbar from Zoology department and Institute of Microbiology, respectively, of University of Agriculture Faisalabad working at PBI-UAF presented their research work in the form of poster presentation and won the Best Poster Prize. This group is working

under the supervision of Dr. Saima Mirza and Prof. Dr. Ehsan Ali at the Punjab Bio-Energy Institute (PBI-UAF). Title of their research work was "Isolation and cultivation of algae for bio-fuel and bio-molecules production". This is a considerable effort from students as well as from their mentors.



UAF COVERED A NEW MILESTONE IN R&D PROJECTS

The Higher Education Commission (HEC) awarded 44 research projects to the UAF scientists on competitive basis under NRPU. An award letter distribution ceremony was held on April 28, 2017 at Avari Hotel Lahore where Chancellor/Governor Punjab decorated UAF faculty members with certificates and a shield to the University on the basis of overall performance. Prof. Dr. Zahir Ahmad Zahir, Director ORIC and Prof. Dr.

Muhammad Asghar, Dean, Faculty of Sciences received the award on behalf of the Vice Chancellor. Dr. Mukhtar Ahmad, Chairman HEC congratulated all the award winners with a hope that next year, the concepts presented in the project documents will be converted into impacts to boost up the national economy.



SEMINAR ON "TAXATION OF STARTUPS AND CONSULTANCY SERVICES IN PAKISTAN"

The University of Agriculture, Faisalabad encourages its faculty members to provide the consultancy to the industry and civil society for the solution of the problems under the frame work of the University. In this regard, Office of Research Innovation and Commercialization University of Agriculture Faisalabad organized a seminar on "Taxation for Startups and Consultancy Services in Pakistan" at New Senate Hall on November 23, 2017. The interactive seminar helped faculty members to address key issues regarding taxation of

consultancy services. Similarly it also helped startups regarding filing tax returns. Anthony Cyril Williams, & and Finance Consultant, Chief Executive Officer (CEO) Tax Dosti was the resource person in the session.



ONE DAY SEMINAR ON "BUSINESS AND TAXATION LAWS FOR STARTUPS"

Universities are the places where new knowledge emerges and grows. The knowledge and expertise of the university faculty should be competitive and compliant with the international standards. In order to strengthen the national economy, academic knowledge should be translated to develop products and services. In this regard, BIC in order to build capacity of Startups, Incubatees and faculty regarding development of Business and Taxation Laws for Startups, arranged a seminar on "Business and Taxation Laws for Startups" at New Senate Hall, University of Agriculture, Faisalabad on May 16, 2017.

Prof. Dr. Munir Ahmad (Late) Director IBMS in his opening remarks appreciated the efforts by BIC / ORIC & assured his full cooperation in this initiative. Syed Iftikhar Ahmad (Consultant and Taxation Expert) & Dr. Habib Aslam Gaba University Industry coordinator (FCCI) explained all pros & cons for establishing a new company under the prevailing laws. Prof. Dr. Hafeez Ahmad Sadaqat, Director SFA & UA appreciated ORIC & BIC efforts to sensitize the faculty to open new avenues in University-Industry Linkages and urged that UAF faculty should materialize this initiative.



BEST NATIONAL SOCIAL ACTION PROJECT AWARD

The University of Agriculture Faisalabad started a new audit course in 2016 titled, "Active Citizenship Education" with the collaboration of British Council. In this course the students have to design a SAP for the community and for humanity. Out of 20 UAF Social Action Project(SAPs) Groups, British Council selected only one SAP which was designed and implemented by the CE group D3. This group under mentorship of Dr. Razla Kausar (Assistant Professor, Department of Anatomy) had presented their Social Action Project, regarding installation of geysers at Blind center and provision of Braille paper at Blind Centre Faisalabad" in National ILM Summit and SAPS Showcasing Event, May 2017, coordinated and sponsored by British Council Pakistan at Marriott Hotel Islamabad. The shield was presented to the mentor and group members of CE group D3 by Cricketer Muhammad Yousaf. This National level event, having scores of participant teams from Punjab, Sindh, Balochistan, Khyber Pakhtunkhwa, AJK and Gilgit Baltistan, was arranged to promote collaborations and encourage social activists working for education and health sector in Pakistan. The award-winning project was led by Mr. Zaheer along with other team members Sarni Ullah Khan, Haroon Afzal, Naeem Sultan, Rimsha

Anwar, Fatima Asif and Maavaz Ali of The Empathy Group in winter, 2017.



STUDENT STARTUP PROGRAM

The University of Agriculture, Faisalabad organized Student Startup Business Grant distribution ceremony at New Senate Hall. In this ceremony, the

University awarded Rs. 2,25,000 each to four startups. The details of these startups are as under.

Sr #	Student Name	Project Theme	Funding
1	Mr. Umar Farooq	Green Heaves Landscape Business	2,25,000
2	Mr. M. Umar Sultan	Hostel Business	2,25,000
3	Mr. Hamza toqeer	Livestock Compound Feed	2,25,000
4	Mr. Adil Farooq	Fattening Farm	2,25,000

The grants were distributed by The H.E. Mr. Jin Wook Kim, Deputy Head of Mission, Embassy of the Republic of Korea in Pakistan at Syndicate Room, University of Agriculture, Faisalabad.



WELL DONE UAF RESEARCHER--

Under the Technology Development Fund / Technology Innovation Fund / Public Private Partnership by HEC, UAF faculty members surpassed all other public sector universities by winning the projects out of 34-awardees worth Rs. 68.0 Million. Prof. Ahsan Iqbal, Federal Minister for Planning, Development & Reforms gave away the awards to the project winners. Chairman HEC, Dr. Mukhtar Ahmad appreciated the efforts made by UAF faculty to connect 10 industries with Academia along with 20%

contribution in the project cost. It is an example set by UAF for other Institutes to follow for strengthening Academia Industry Linkages. Prof. Dr. Allah Bakhsh, Prof. Dr. Aman Ullah Malik, Dr. Anjum Munir, Dr. Yasir Jamil, Dr. Irfan Afzal, Dr. Asad Farooq, Dr. M. J. M. Cheema, Dr. Syed Hamid Hussain Shah, Dr. Waseem Amjad, Dr. M. Sharif and Dr. Zahir A. Zahir were the award winners. The honorable Vice Chancellor congratulated the winners and appreciated their commitment.



ONE DAY WORKSHOP ON "HOWTO WRITE BUSINESS PLAN"

ORIC/BIC in collaboration with U.S.-Pakistan Center for Advanced Studies AFS organized one day workshop on 'How to Write Business Plan' on April 27, 2017 with a subsequent development of Elevators Pitch for the UAF

Innovators along with the conception of Business Canvas Model. Dr. Habib Aslam Gaba FCCI and Mr. Fahad, USPCAS were the resource persons.



VISIT OF THE DELEGATION FROM OAKS CAF PVT. LTD

Mr Oh Se Wang and Mi. Choi Man Sik of Oaks CAF Pvt Ltd, Pakistan (A South Korean Company) visited University of Agriculture, Faisalabad on July 18, 2017 regarding Milk Bar Project. Director ORIC briefed

about the facilities available at UAF. The Korean delegation also visited UAF Processing Unit as well as Agri. Engineering research labs.



RESEARCH PRODUCTIVITY AWARDS

During the financial year 2017-18, UAF researchers performed tremendously in terms of winning the research projects, developing & commercialization of technologies and winning of Research Productivity Awards. To acknowledge the efforts to mobilize resources, an Appreciation Ceremony was organized by ORIC on August 07, 2017 at CAS Building UAF. Mr. Fazal Abbas Maken, Secretary, Ministry of Science and Technology, Government of Pakistan was the Chief Guest while Prof. Dr. Anwar ul Hassan Gilani, Chairman, Pakistan Council for Science and Technology (PCST) was the Guest of Honour. Prof. Dr. Iqar Ahmad Khan (SI) in his welcome address highlighted the milestones achieved and research grants won by the faculty at UAF from different sponsoring agencies, especially winning of Research Productivity Awards (RPAs) and securing 1st position in PCST initiative. He also briefed about 101 Innovation Catalogue. Technologies Developed by

the university, Research Publications/ citations and different initiatives launched by the university. In his remarks. Prof. Anwar ul Hassan Gillani, Chairman PCST appreciated RPA winners and assured that PCST will review its criteria according to input received from experts. Mr. Fazal Abbas Maken, Secretary Ministry of Science and Technology, Government of Pakistan appreciated marvelous achievements of the university as UAF has surpassed the landmark status of inclusion among the top 100 universities of the world. The attainment of this honor with an accelerated pace of amelioration in ranking is a candid depiction of hard work by academia of UAF, he said. He also appreciated the initiatives of ORIC for patting the achievers which was indirect motivation for others. Then RPAs were awarded to the winners. This unique event ended. with the vote of thanks by the Vice Chancellor.



INTERNATIONAL WORKSHOP, "BEANS WITH BENEFITS: POTENTIAL AND LIMITATIONS FOR MUNGBEAN PRODUCTION"

The ORIC organized an international workshop, "Beans with Benefits: Potential and Limitations for Mungbean Production" from August 08-10, 2017 at UAF. The participants from Germany, Uzbekistan, Taiwan, Mexico and from different parts of Pakistan participated in the workshop. There were 16 presentations by eminent local and foreign scholars covering different aspects of Mungbean production followed by discussions and field demonstrations. In the inaugural session, Dr. Roland Schafleitner (International head of the project) and Mr. Sher Nab' Khan (Country Coordinator) emphasized to devise strategies for maximized Mungbean production under the scenario of climate change to ensure food security in the country. Prof. Dr. Zahir Ahmad Zahir (host of this workshop) welcomed the participants and highlighted the objectives of this international workshop. Closing ceremony of this international

workshop was chaired by Prof. Dr. Iqbal Ahmad Khan (SI), Chief of Party, USP-CAS-AFS who in his remarks appreciated the efforts of Prof. Dr. Zahir Ahmad Zahir, Director ORIC and his team for organizing such a wonderful and well organized workshop. He appreciated the sponsorship of AVRDC to open new avenues of research in the collaborating countries with financial and technical support. Prof. Dr. Roland Schafleitner thanked UAF for hospitality and organizing this international workshop by gathering scientists from different areas of Pakistan. He extended his cooperation for the upcoming projects in collaboration with Pakistan. Dr. Shahid Riaz Malik, PARC presented the recommendations of this workshop in the concluding session emphasizing reforms in marketing system and promoting genetic resources to meet the challenges of climate change.



BAYER SAFE USE AMBASSADOR PROGRAM

Bayer Pakistan (Pvt) Ltd. is involved in a number of initiatives that aim to promote the safe use of pesticides, working together with a variety of partners. In this context, it has launched **Bayer Safe Use Ambassador Program for Agriculture Students** to create awareness among the farming community through Agri. students. Bayer

Pakistan (Pvt) Ltd. in collaboration with ORIC-UAF will provide training to UAF students in the safe use of pesticides to equip them with latest knowledge so that they can disseminate up to date knowledge to the farming community through an event on September 5, 2017 at CAS building.

15 YEARS CELEBRATIONS OF HEC

The Higher Education Commission (HEC) celebrated 15-years of excellence in Education, Research, Outreach, Community Services and Advocacy. In this context, university chalked out series of activities to sensitize students and civil society regarding the significant role of HEC for promoting higher education and research culture through professional approaches. ORIC conducted a live show with a panel of experts and ORIC staff through FM Radio and its comments were very encouraging. ORIC also launched a documentary depicting the pivotal role of HEC in the universities and Degree Awarding Institutes.



AUSTRALIA AWARDS RETURN TO WORK PLAN WORKSHOP

Muhammad Imran Munawar, Research Officer, Business Incubation Center received completion certificate of Business Incubation Course from Mr David Preston first secretary of Australian High

Commission. The certificate was presented during Return to Work Plan workshop arranged by Australia Awards at Serena Islamabad.



CELEBRATIONS OF WORLD SPACE WEEK (SPACE AWARENESS WALK)

The ORIC in collaboration with Lab School and College System celebrated World Space Week from October 04-10, 2017. Space & Upper Atmosphere Research Commission (SUPARCO) celebrates and sponsors this week in different cities of Pakistan including UAF. Under this initiative, series of activities were planned and executed accordingly. One of these major activities and Space Awareness Walk to sensitize

students and faculty about the blessing of space and its utility for the benefit of the community. Prof. Dr. Muhammad Iqbal Zafar, the Vice Chancellor and Dr. Ijaz Ahmad, Director SUPARCO led the walk where faculty members and students followed them. The walk continued from Iqbal Auditorium to D Ground- UAF by following all norms of decency.



INAUGURATION OF SECOND COHORT OF WOMENX PROGRAM

Saturday, 7th October 2017, marked the inauguration of the second Cohort of the WomenX Faisalabad Program. WomenX is a World Bank funded women entrepreneurs training program, implemented by Enclude International, with University of Agriculture as its 'academic partner' in Faisalabad. This session was attended by Director ORIC, Dr. Abdul Ghafoor, IBMS with faculty members, Enclude team and the women entrepreneurs who had enrolled in the program. The session started with the recitation of Holy Quran,

followed by an opening speech by Dr. Abdul Ghafoor, IBMS in which he welcomed the new participants, and extended his support towards these women entrepreneurs. Director ORIC, Prof. Dr. Zahir Ahmad Zahir appraised the program and motivated the women entrepreneurs. Dr. Hammad Badar moderated the session; he briefed the participants about the program outline. The Enclude team presented the WomenX phase-I orientation.



ONE DAY SEMINAR ON INTELLECTUAL PROPERTY RIGHTS

A seminar on Intellectual Property Rights was organized by ORIC-UAF in collaboration with Intellectual Property Organization (IPO) Islamabad to sensitize faculty members & students for IP-Rights. Presiding over the session, UAF Vice Chancellor, Prof Dr. Muhammad Iqbal Zafar said that research was vital to bring changes in the lives of the people. He added that there was a need to think out of box and come up with innovative ideas to address the issues confronting the society. He called for budding knowledge based economy coupled with strong academia-industry linkages to cope with challenges including unemployment, poverty, food security and economical growth. He said that people don't get PP of their ideas, products etc. providing room to copiers to squeeze the business of original idea generators. He said enforcement of Intellectual Property Rights could encourage investment, establishment of industries and creation of new job opportunities. He said research findings was not to be confined and restricted to research thesis or research articles to be kept in the libraries, these must be translated into goods and services for the benefit of the society at large. ORIC Director, Prof. Dr. Zahir Ahmad Zahir said

that the UAF had established a research culture at the campus and research funding from diversified sources was more than 2.6 billion where one third was of international funding and one third sponsored by HEC. He said that university was not only facilitating researchers for filing of patents but also supporting them in terms of finances under the framework of the HE(resultantly there are 7 patents on the credit of the university while 15 are in the different stages of approval. Mr Zahoor Ahmad, Assistant Director IPO talked about patent, industrial design, trademark and copyright. He said that the people were losing billions of rupees due to lack of unawareness of IPR in the country. He emphasized the need of tell if the people about the importance of the IPR.

Dr Khurum Zia motivated the participants to seek knowledge of IPR and to play thier role in creating awareness about the issue. The day long session ended by the vote of thanks by Director ORIC.



WOMEN ENTREPRENEURERS GRADUATED

The ORIC in collaboration with IBMS through Womenx program has initiated a series of training workshops to capacitate women in different fields to start up or strengthen the existing business set up. A graduation ceremony was held at New Senate Hall. UAF to award certificates to the women entrepreneurs who completed their training successfully in Cohort-I. The organizers, course coordinator and resource persons shared their views and appreciated the will power of the pioneers of this initiative. Dr. Hammad Badar, Dr. Mubashir Mehdi, Mr. Fakhar-e-Alam, Ms. Hania Muddasir, Amina Ali, Saeeda Shakeel, Samia Bukhari and project manager Ms Maria Umar addressed the outgoing women entrepreneurs and expected that



this badge would be a role model for others. Prof Dr. Zahir Ahmad Zahir, Director ORIC appreciated the graduated women, their dedication and thrust of learning. He hoped that passed out trained folk would play a significant role In the national economy. He then gave away the certificates and shields.

DR. NAEEM NIAZI ALONG WITH SOUTH KOREAN DELEGATION VISITED ORIC-UAF

Dr Naeem Niazi, Oaks CAF Pvt Ltd visited UAF along with Korean delegation on November 13, 2017. He appreciated the UAF cooperation regarding South Korean projects and also briefed about the Milk Bar project in detail. Prof. Dr. Tahir Zahoor, Director General NIFSAT also briefed about the Dairy facilities



available at UAF. The experts from NIFSAT also accompanied the DG, NIFSAT, Prof. Dr. Zahir Ahmed Zahir, Director ORIC extended his cooperation with South Koreans regarding research activities especially Milk Bar project



SEMINAR ON "TAXATION FOR STARTUPS AND CONSULTANCY SERVICES IN PAKISTAN"

The University of Agriculture, Faisalabad encourages its faculty members to provide consultancy to the industry and civil society for the solution of the problems under the frame work of the university In this regard, the university faculty members charge fee as consultancy service and they need to pay taxes Similarly, Pakistan is witnessing a wave of entrepreneurship by inculcating business know how among the new generation. The youth of the nation is

now more interested in creating jobs rather than looking for jobs. The Federal Government has provided several tax incentives to these startups. For capacity building of faculty and startups. Business Incubation Center UAF organized a seminar on 'Taxation for Startups and Consultancy Services in Pakistan' at New Senate Hall on November 23, 2017 at 11:00 am. Faculty members and entrepreneurs were invited to join this brain storming.

DICE-AGRICULTURE & FOOD SCIENCE, 2017 | INNOVATION EVENT

Distinguished Innovation. Collaboration and Entrepreneurship (DICE event focusing on Agriculture and Food) was organized by University of Agriculture, Faisalabad in collaboration with DICE Foundation USA from



Beside this event two different seminars were also arranged.

- i) National Seminar on Challenges for Research Commercialization and Way forward
- ii) National Seminar on Biofertilizer: Pros & Cons of Entrepreneurship on Pakistan

7-8 Nov, 2017. The event was inaugurated by Belgium Ambassador His Highness Mr, Frederic Vertheyden. In this event 126 groups from 30 universities of Pakistan participated and displayed their innovative ideas.



On 1st day of the Event, UAF arranged National Seminar on Challenges for Research Commercialization and Way Forward. The theme of the seminar was to highlight/uplift commercialization process in the universities. The Speakers of the Seminar focused on bridging the gaps between Academia and Industry.



On 2nd day of the Event, a National Seminar on Biofertilizer: Pros & Cons of Entrepreneurship in Pakistan was held at New Senate Hall. The Vice Chancellor, Prof. Dr. Muhammad Iqbal Zafar showed his concern, that agriculture land



fertility was decreasing with each passing year, posing threat for food security situation. This seminar highlighted Biofertilizers as supplement to chemical fertilizers.



The University of Karachi students won 1st prize Rs. 100,000/- 2nd and 3rd positions of Rs. 60,000/- and Rs. 40,000/-, respectively were clinched by UAF students. Besides these top fifteen projects were awarded Rs. 7,000/- each as a token of appreciation.