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**DALHOUSIE  
UNIVERSITY**  
CANADA






## Unique Learning Opportunities

**2+2 Degree Program**  
In Top Ranked University in  
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Students of 3rd semester in BSc (Hons.) Agri. Sciences with a foundation of two-year Pre-Agriculture can grab the exciting opportunity of gaining personalized learning while earning two degrees. They can complete last two years in Plant Science program with small classes and hands-on experiences at a world renowned University in Canada.

Contact: Dr. Zaheer Ahmed, Asstt. Prof., PBG, Email: [zaheer.ahmed@uaf.edu.pk](mailto:zaheer.ahmed@uaf.edu.pk), Mob. # 0300-5127165

### TEN MORE PhD SCHOLARS PRODUCED BY UAF

On the recommendations of external examiners and after fulfilling all the requirements, Muhammad Bilal Shakoor S/o Doctor Abdul Shakoor, Reg. No. 2013-ag-566, Institute of Soil and Environmental Sciences, Faculty of Agriculture, Huma Saleem D/o Dr. Muhammad Saleem, Reg. No. 96-ag-1689, Department of Plant Breeding and Genetics, Faculty of Agriculture, Muhammad Umair Sattar S/o Abdul Sattar, Reg. No. 2006-ag-1492, National Institute of Food Science and Technology, Faculty of Agricultural Engineering and Technology, Muhammad Nadeem S/o Faqir Muhammad, Reg. No. 96-ag-1567, Department of Agronomy, Faculty of Agriculture, Muhammad Rashid Abbasi S/o Faiz Rasool Abbasi, Reg. No. 2003-ag-2408, Centre of Agricultural Biochemistry and Biotechnology, Faculty of Agriculture, Madiha Kanwal D/o Mushtaq Hussain, Reg. No. 2008-ag-473, Department of Zoology, Wildlife and Fisheries, Faculty of Sciences, Muhammad Aamir Iqbal S/o Muhammad Iqbal, Reg. No. 2005-ag-1801, Department of Agronomy, Faculty of Agriculture, Zanib Ahmed D/o Amjad Niaz Ahmed, Reg. No. 2009-ag-1185, Department of Biochemistry, Faculty of Sciences, Abdul Quddus S/o Muhammad Yaqoob, Reg. No. 87-ag-850, Department of Parasitology, Faculty of Veterinary Science and Muhammad Asif S/o Akhtar Ali, Reg. No. 2001-ag-843, Department of Agronomy, Faculty of Agriculture have passed their final examination for the degree of Doctor of Philosophy (2016). The Vice Chancellor is pleased to sanction their admissions to the degree of Doctor of Philosophy (2016). The titles of their thesis are "Speciation and remediation of arsenic-contaminated water using agriculture and food-industry solid wastes as biosorbents", "Diversity, recombination and replication in cotton leaf curl geminiviruses", "Development and quality assessment of low fat mozzarella cheese", "*Alternanthera philoxeroides* interference and control studies in maize", "Determination of combining ability and hybrid authentication using molecular markers in wheat", "Rodent management strategies using Trap Barrier System in wheat, maize, sugarcane, rice and fodders and impact of acute and Chronic Toxicants on physiological profiles in central Punjab, Pakistan", "Forage yield and quality attributes of sorghum-legumes intercropping systems under different planting times and spatial arrangements", "Enzymatic and bacterial modifications of natural biofibres for synthesis of biocomposites", "Effect of trace elements profile of different soils and forages on gastrointestinal Helminthiasis in sheep" and "Competition and management studies of *Parthenium hysterophorus* L. in forage sorghum" respectively. Now the PhD club swells up to 1488.


### ASSUMPTION OF CHARGE

Prof. Dr. Muhammad Jafar Jaskani, Institute of Horticultural Sciences and M. Kashif Rasheed Engineering Construction Department (M) have assumed the charge as Executive Director, Endowment Fund Secretariat

and Executive Engineer, ECD-M respectively. In future, all official/semi official correspondence may please be addressed to them.

**SITUATION VACANT**

1. Applications are invited for one PhD student at a consolidated pay of Rs. 25,000/- per month under the HEC research project entitled “Assessment of Production Potential of Sisal and its Adaptation as new Fibre through Community Mobilization in the Punjab, Pakistan” being run by Dr. Muhammad Iftikhar. The applicant must be enrolled as PhD Agronomy student. The applications along with complete bio-data and attested copies of certificates etc. should reach in the office of the Dr. Muhammad Iftikhar, Assistant Professor/PI, Institute of Agri. Ext. and Rural Development, UAF or in the office of Dr. Hassan Munir, Assistant Professor/Co-PI, Department of Agronomy, UAF within 6 working days after the publication of this notice.
2. Applications are invited for the recruitment of one post of Research Associate in the PARB project entitled “Development of drought tolerant doubled haploid maize hybrids” at a consolidated pay of Rs. 40,000/- per month+7% increase for each year experience with the qualification of M.Sc. (Hons.) agriculture with no 3<sup>rd</sup> division. The candidate shall not be more than 30 years. Preference will be given to those applicants having research experience in tissue culture technique. Applications alongwith the documents should reach in the office of Project Manager Dr. Muhammad Ahsan Associate Professor, Department of Plant Breeding and Genetics, UAF upto 10-12-2016 during office hours. Application form can be obtained free of



**U.S.-Pakistan Center For Advanced Studies in Agriculture & Food Security**  
University of Agriculture, Faisalabad

**SCHOLARSHIPS UNDER USPCAS-AFS RESEARCH PROJECTS**

**FEMALE STUDENTS are strongly encouraged to apply for these scholarships**

USPCAS-AFS is offering **M.Phil./M.S./M.Sc. (Hons.)** and **Ph.D.** scholarships to academically brilliant students to work in the following research projects funded by USPCAS-AFS

1. Implementing climate-smart dry chain technology for improving livelihoods of the maize farming community in Pakistan (Dr. Irfan Afzal)
2. Metagenomics of Mosquitoes Vectors and Abundance of Mosquito-borne Pathogens in different Agro-Geoclimatic Areas of Punjab, Pakistan (Dr. Sohail Sajid)
3. CRISPR/Cas9 based virus resistance in cotton (Dr. Aftab Ahmad)
4. Transgenic approaches for the development of drought and salt tolerance in wheat (two components)(Dr. Imran Khan and Dr. Aftab Bashir)
5. Omics approaches for improving chickpea drought tolerance and nodulation (two components)(Dr. Rana Muhammad Atif and Dr. Kashif Riaz)
6. Genomics-based understanding of Ceratocystis manginecans to formulate control measures of Mango Quick Wilt Disease (Prof. Dr. Iqrar Ahmad Khan)
7. Sensor Based Precision Irrigation Systems for Improving Water Productivity of Cereal Crops (Dr. Muhammad Jehanzeb Masud Cheema)
8. Development of real-time weed detection system for spot application of herbicides in Maize (Dr. Rizwan Maqbool)
9. Designing and implementing the irrigation management information system using cellular communication networks in selected area of Punjab (Dr. Syed Hamid Hussain Shah)
10. Agricultural Input Marketing in Pakistan: Implications for Food Security (Dr. Hammad Badar) Youth and gender mainstreaming in agricultural activities through need based capacity building in Punjab and Khyber Pakhtunkhwa ( Dr. Izhar Ahmad Khan)
11. Youth and gender main streaming in agricultural activities through need based capacity building in Punjab and Khyber Pakhtunkhwa (Dr. Izhar Ahmad Khan)

**The Scholarship Covers:**

- Tuition Fee
- Stipend
- Boarding Charges
- Bench Fee (for PhD scholars only)
- Book Allowance
- Thesis Charges

**Eligibility:**

1. The applicant must be an enrolled student in **MPhil/MS/MSc (Hons.)** or **PhD** at UAF
2. The applicant must have secured at least 3 CGPA (out of 4) in the last degree.
3. The applicant, if selected will have to withdraw any other scholarship / funding.

**How to Apply:**  
The Application Form for “Scholarships under Research Projects” available at: <http://uaf.edu.pk/USPCAS-AFS/scholarships.html> must be submitted **online** by **December 10, 2016**. A copy of the online Application Form completed in all respects along with supporting documents (as mentioned in the form) must also be submitted by **December 12, 2016** at the below-mentioned address.  
**Note:** Incomplete Applications or those received after due date will not be entertained. Only shortlisted candidates will be called for interview.

**IRFAN ABBAS**  
Director-Administration  
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Center for Advanced Studies in Agriculture & Food Security  
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Email: [scholarship\\_pcas-fsa@uaf.edu.pk](mailto:scholarship_pcas-fsa@uaf.edu.pk)  
URL: <http://uaf.edu.pk/USPCAS-AFS/scholarships.html>



cost from the Registrar Office (Personnel Section or from the UAF Website i.e, www.uaf.edu.pk).

3. Applications are invited for hiring one PhD student at a consolidated pay of Rs. 25,000/- per month under HEC funded research project entitled "Sustainable Production of Edible Coatings through Electrostatic Coating Approach" being run by Dr. Muhammad Kashif Iqbal Khan, Assistant Professor in Department of Food Engineering, UAF. Applicant must be a PhD student in the subject of Food Science & Technology/Food Engineering. The applicants are required to submit application within 7 working days after the publication of this notice. The interview will be conducted on December 9, 2016 (Friday) at 09:00 am in the Department of Food Engineering, UAF. The selected candidates have to conduct research with in frame work of the project.

#### FACULTY SEMINAR

1. Faculty of Agriculture, UAF is organizing faculty seminars on every Thursday. In this regard, Dr. M. Hammad Nadeem Tahir, Assistant Professor, Department of Plant Breeding and Genetics will share his findings on Thursday (01-12-2016) at 02:30 pm in Old Senate Hall, UAF. The title of his presentation is "Research on fodder crops in Pakistan" present status and future prospects". It is mandatory (attendance will be marked) for all the faculty members to attend this lecture.
2. The Faculty of Agricultural Engineering and Technology, UAF is organizing a series of seminars on every Saturday from 09:30 to 10:30 am in the Faculty Lecture Room E-139-140. In this regard, Engr. Shafiq Anwar, Assistant Prof. Department of Structures and Environmental Engineering, UAF will deliver presentation on Saturday, 03-12-2016 at the above said time and venue. The titles of his presentation are "(i) Drinking water quality issues, problems and their solution, (ii) Traffic rules & regulations and awareness program to avoid accident". It is mandatory (attendance will be marked) for all the faculty members to attend the lecture".

#### ANNUAL CHRYSANTHEMUM & AUTUMN FLOWER FESTIVAL, 2016

The Institute of Horticultural Sciences, UAF is going to organize its Annual Chrysanthemum & Autumn Flower Festival, 2016, on 13<sup>th</sup> to 15<sup>th</sup> December, 2016, at Agriculture Faculty lawns, UAF.

#### PHD THESIS/SYNOPSIS DEFENSE

1. Synopsis defense of Mr. Hammad Majeed, Regd. No. 96-ag-866, PhD student (Chemistry) entitled "process modification for improvement in conventional reactive printing of cotton fabric" will be held on 02-12-2016 at 09:00 am in the Chemistry Lecture Room No. 3. All interested are invited to attend.
2. Synopsis defense of Ms. Sadia Noureen, Regd. No. 2011-ag-1333, PhD Chemistry, Department of Chemistry, titled "Synthesis and Biological Evaluation of Some New Tri-azine Based Derivatives" will be held on 02-12-2016 at 11:00 am in Lecture Room-III. All interested are invited to attend.
3. Mr. Gulfam Hassan, Regd. No. 2005-ag-1914, PhD student (Agricultural Extension) at Institute of Agri. Extension and Rural Development will defend his PhD thesis on 10-12-2016 at 09:00 am in the Video Conference Room, UAF. The title of his thesis is "Training needs assessment of vegetable growers in peri-urban areas of Faisalabad". All interested are invited to participate.
4. Mr. Muhammad Khalid Qadeer, Regd. No. 1996-ag-1317, PhD student of Animal Nutrition, Institute of Animal Sciences will defend his PhD synopsis with title "Effect of flaxseed on omega-3 fatty acids composition and quality of eggs in layers" as required under the rules on 03-12-2016 at 10:30 am in faculty seminar room.
5. Mr. Muhammad Waqar Alam Regd. No. 2006-ag-1950, a PhD student in Department of Plant Pathology will defend his PhD thesis at University level on 17-12-2016 at 11:00 am in Video Conference Room. The title of thesis is "Dynamics of stem end rot disease of mango fruit and its management".
6. Synopsis defense of Ms. Rabia Sattar, Regd. No. 2013-ag-992, PhD Chemistry, Department of Chemistry, titled "Processing of Rare Metals from Primary and Secondary Sources" will be held on 02-12-2016 at 10:00 am in Lecture Room-III. All interested are invited to attend.
7. Mr. Rehan Riaz, Regd. No. 2006-ag-1896, PhD student of the Institute of Horticultural Sciences has successfully defended his thesis in a seminar held on 23-11-2016. The title of his thesis is "Genetic diversity of mango germplasm and Ceratocystis spp. from AJK and Punjab-Pakistan".
8. Mr. Muhammad Asim Irshad, Regd. No. 2009-ag-2266, student of PhD has successfully defended his synopsis on 25-11-2016. The title of his synopsis is "Exploring the functional and therapeutic potential of Sea Buckthorn oil".
9. Mr. Noor Ahmad, Regd. No. 2009-ag-2784, a PhD student, Department of Agronomy, has successfully defended his PhD synopsis on 19-11-2016. The title of his synopsis is "Germination Ecology, Interference and Management of Parthenium hysterophorus L. in sunflower".

### مچھلی برائے فروخت

فشریز ریسرچ فارم شعبہ زوا لوجی، وانلڈ لائف اینڈ فشریز، زرعی یونیورسٹی  
فیصل آباد پر مورخہ 06 دسمبر 2016 بروز منگل بوقت صبح 09:00 بجے  
سے دوپہر 12:00 بجے تک مچھلی فروخت کی جائے گی۔ 2 کلو سے زائد  
وزن کی مچھلی -/230 روپے فی کلو، ڈیڑھ کلو سے 2 کلو وزن کی مچھلی  
-/200 روپے فی کلو، ایک کلو سے ڈیڑھ کلو وزن کی مچھلی -/180 روپے  
فی کلو اور ایک کلو سے کم وزن کی مچھلی -/150 روپے فی کلو کے حساب  
سے فروخت کی جائے گی۔ نیز 300 گرام سے بڑی تھلا پیہ مچھلی  
-/150 روپے فی کلو اور اس سے کم وزن کی -/100 روپے فی کلو کے  
حساب سے فروخت کی جائے گی۔ خریداروں سے گزارش ہے کہ وہ بیگ  
یا شاپر کے ہمراہ مقررہ وقت پر تشریف لائیں۔

## TENDER NOTICE

Sealed tenders are invited from the firms/contractors registered/enlisted with the University of Agriculture, Faisalabad for the following works at UAF on items rate/ the percentage rate circulated by the Finance Department Government of the Punjab as per PPRA rules. Last date for the purchase of tender Documents: 05-12-2016. Date of receiving and opening on 06-12-2016 at 11:00 am to 11:30 am.

Name of Work	Amount (Rs.)	Bid Security @ 2% of estimated cost	Time Limit
Repair and renovation work to House No. 1 Bilal Colony UAF.	80000/-	1600/-	One Week

Tender documents can be obtained from the office of the Executive Engineer, (ECD-M) UAF against written request accompanied with attested copy of enlistment/ up to date renewal letter and fee receipt valid P.E.C license up to 31-12-2016 (If required). Authority letter on pad form of contractor/firm, identity card of contractor/managing partner of the firm, registered partnership deed with power of attorney, and on payment of prescribed tender fee into the account No. 11-9/NBP, UAF Branch. 2. Tender rate and amount should be filled in figure as well as in words and tender should be signed as per general direction in the tender documents. 3. No tempered tender or sent by post will be entertained. 4. No conditional tender or tender without bid security @ 2% of tender cost in shape of deposit at call of any schedule bank and attested copy of registered partnership and power of attorney in case of firm will be entertained. 5. The Executive Engineer, (ECD-M) reserves the right to reject all tenders at any time prior to acceptance. The concerned contractor shall be communicated the ground of its rejection but it is not required to justify the ground of rejection

## AUCTION NOTICE

- Ninty (90) kanals Sugarcane in square No. 27 and forty five (45) Kanals Gharri fodder in square No. 40 at PARS Farm will be sold by open auction on December 10<sup>th</sup>, 2016, at 12:00 noon at PARS Farm, Jhang Road, Faisalabad. The persons, who are interested, may come & bid. One third of the total price will be recovered on the spot and remaining amount will be received after the approval of competent authority. Under section 236A of Income Tax Ordinance, 2001 Advance Income Tax @ 10% of the sale price will be collected from successful bidder and deposited into the government treasury through income Tax Challan. The competent authority reserves the right to accept or reject the highest bid assigning any reason.
- Culled goat bucks (02) of EFS Technology transfer project "Improvement of Beetal goat and indigenous chicken through dissemination of superior sires" are being auctioned through public auction on 03-12-2016 at 10:30 am at Animal Nutrition Research Centre, UAF. National ID card is required for bidding and for depositing taxes as per Govt. rules. The details can be seen in the office of Prof. Dr. Muhammad Sajjad Khan (PI/Dean), Faculty of Animal Husbandry, UAF.
- Cotton Sticks 15 kanal and 10 marla farm produce will be sold by open auction on 03-12-2016 at 10:00 am at Student's Farm, Department of Agronomy, UAF. Interested persons may bid. One third amount of the bid will be realized at the spot.

نیورسٹ ہاؤس وفارن فیکٹی ہائل کیلئے باورچی کی ضرورت  
یونیورسٹی کو اپنے نیورسٹ ہاؤس اور فارن فیکٹی میں آنے والے معزز  
مہمانوں کیلئے کھانا بنانے کیلئے کنٹریکٹ بنیادوں پر 2 عدد تجربہ کار باورچیوں  
کی ضرورت ہے جو پاکستانی، چائیز اور کانسٹیٹنٹل کھانے بنانے میں مہارت  
رکھتے ہوں۔ خواہش مند امیدوارانظر یو کیلئے تعلیم و تجربہ کے سرٹیفکیٹس کے  
بمراہ ہفتہ 03 دسمبر کو صبح 10 بجے شعبہ اسٹیٹ مینجمنٹ میں تشریف لائیں۔  
مزید تفصیلات کیلئے سیکرٹری ریست ہاؤسز (اسٹیٹ آفیسر شہزاد محمود) سے ان  
کے موبائل نمبر 0300-7941618 پر رابطہ کریں۔







### A New Beginning

## FARM FRESH

The University of Agriculture, Faisalabad and JK Agriculture Farms are proud to announce their collaboration in production of highest quality baked products. The ingredients are all natural and we are excited about offering a wholesome and healthy alternative. The multi-grain Bread is just one example of a variety of new product.

All our products are made under the supervision of technical experts of National Institute of Food Science and Technology (NIFSAT), UAF.

Please visit us and try our products at our Fair Price Shop located at the NIFSAT, Old Building & Hashmi Hall Main Market, UAF  
Ph: +92 041 2622767 | Cell # +92 333 1929701, +92 300 6622685




یونیورسٹی اور جیک ایگریکلچر فارمز کے تعاون سے  
ہائی ہائل ٹاچنگ سٹورز مارکیٹ سے 20 لیسٹر کمیشن پر دستیاب ہیں