



U.S.-Pakistan Center for Advanced Studies in Agriculture and Food Security

Scholarships Under USPCAS-AFS Research Projects

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:

**Female
Students
are strongly
encouraged to
apply for these
scholarships**

1. Climate Smart Wheat: Development of heat and drought tolerant wheat for Pakistan (Dr. Bushra Sadia)
2. Implementing climate-smart dry chain technology for improving livelihoods of the maize farming community in Pakistan (Dr. Irfan Afzal)
3. Metagenomics of Mosquitoes Vectors and Abundance of Mosquito-borne Pathogens in different Agro-Geoclimatic Areas of Punjab, Pakistan (Dr. Sohail Sajid)
4. CRISPR/Cas9 based virus resistance in cotton (Dr. Aftab Ahmad)
5. Transgenic approaches for the development of drought and salt tolerance in wheat (two components) (Dr. Imran Khan and Dr. Aftab Bashir)
6. Omics approaches for improving chickpea drought tolerance and nodulation (two components) (Dr. Rana Muhammad Atif and Dr. Kashif Riaz)
7. Genetic improvement of sorghum as biofuel feedstock using high throughput phenomics and genomic approaches (Dr. Bushra Sadia)
8. Genomics-based understanding of Ceratocystis manginecans to formulate control measures of Mango Quick Wilt Disease (Prof. Dr. Iqrar Ahmad Khan)
9. Variable Rate Agro-chemical Application System in Citrus Orchards using on-the-go Sensors (Dr. Muhammad Jehanzeb Masud Cheema)
10. Sensor Based Precision Irrigation Systems for Improving Water Productivity of Cereal Crops (Dr. Muhammad Jehanzeb Masud Cheema)
11. Development of real-time weed detection system for spot application of herbicides in Maize (Dr. Rizwan Maqbool)
12. Designing and implementing the irrigation management information system using cellular communication networks in selected area of Punjab (Dr. Syed Hamid Hussain Shah)
13. Role of various characteristics in price determination of goat: Implications for production and marketing decisions (Dr. Waseem Ahmad)
14. Agricultural Input Marketing in Pakistan: Implications for Food Security (Dr. Hammad Badar)
15. Use of ICT in Marginal and Disadvantaged Regions as an Alternate Strategy for Agricultural Technology Transfer: Challenges and Opportunities (Dr. Babar Shahbaz)
16. Youth and gender mainstreaming in agricultural activities through need based capacity building in Punjab and Khyber Pakhtunkhwa (Dr. Izhar Ahmad Khan)



Composition of Scholarship:

The Scholarship Covers:

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

Applicant must:-

1. Be an enrolled student in MPhil/MS/MSc (Hons.) or PhD at UAF
2. Have secured at least 3 CGPA (out of 4) in the last degree.
3. Not be availing any other scholarship.

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 **March 07, 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 **March 10, 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. The candidates who already applied for Need Based component of USPCAS-AFS scholarship program advertised on July 13, 2015 against the advertisement in Daily Dawn and Daily Express dated July 12, 2015, can also apply for these scholarships (if meet the above criteria).

IRFAN ABBAS

Director Administration

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