

# U.S.-Pakistan Center For Advanced Studies in Agriculture & Food Security

## ► Funding Opportunities for Research Grants

### CALL FOR APPLICATIONS

USAID-funded U.S. Pakistan Center for Advanced Studies in Agriculture & Food Security (USPCAS-AFS) is a collaborative project between the University of Agriculture, Faisalabad and the University of California at Davis (USA). USPCAS-AFS is calling for submission of concept notes on 13 priority research topics listed below. These topics address critical challenges for agriculture and food security in Pakistan and all research applications must be clearly solution-oriented.

1. Bioinformatics based germplasm strategies for crop and livestock improvement
2. Development of transgenic crops with herbicide tolerance
3. Gene editing for trait improvement and/or bio-fortification in crops
4. Research and development on barley from production to value addition
5. Adoption of agricultural technologies/practices to reduce green-house gas emissions and increase carbon sequestration/carbon credit earnings in rice and livestock production.
6. Management of recently emerged weeds under changing climate scenarios
7. Integrated pest management of pink bollworm, rodents, wild boars, birds posing increasing economic threat to crops and eco-systems.
8. Residue management for improved soil and environmental health
9. Development of small-scale planters and pruning machinery
10. Development of liquid fertigation technologies for improving cost efficiency and production.
11. Development of harvesting and picking machinery for crops
12. Identification of opportunities, challenges and approaches for improving agricultural exports via CPEC
13. Food insecurity, diet diversity and consumption habits

Successful applicants will be invited in the next phase to collaborate with scientists from University of California, Davis and Washington State University in the development of joint proposals.

Deadline for submission of concept notes is **April 30, 2017**.

Concept note may only be submitted via email at: [casafsgrants@uaf.edu.pk](mailto:casafsgrants@uaf.edu.pk).

To download application form, details on topics, guidelines for writing concept notes, FAQs, review process and the later joint proposal phase,

please visit our website: <http://uspcasafs.uaf.edu.pk/Grants.aspx>.

For further queries, please contact Grants Officer via

Ph: **0412409462-64** or Email: [saliha.ahmad@uaf.edu.pk](mailto:saliha.ahmad@uaf.edu.pk)

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