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INTERNATIONAL CONFERENCE

## Training and Capacity Building in Sustainable Agricultural Water Management to Address Food Security and Social Instability in Pakistan

June 27-29, 2018

*Organized By:*

Department of Environmental Sciences  
Faculty of Forestry, Range Management  
& Wildlife

**PMAS-Arid Agriculture  
University Rawalpindi  
Pakistan**



# OVERVIEW

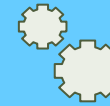


Pakistan is facing major challenges of climate change on its land and water resources, which consequently affect agriculture and food security. About 80% of Pakistani territory is severely affected by arid and semi-arid conditions. Unfortunately, the projected decrease in future water availability and rainfall are going to exacerbate the situation in the country. Moreover, inappropriate management of irrigation water contributes to erosion of top soil, loss of organic matter, salinisation, decrease of soil fertility and pollution of fresh waters. All these problems stem from both infrastructural and political issues, and little understanding of the most productive applications of water during crop growing cycles. Thus, conservation and preservation of the water resources, and its better use by the farmers will enhance the sustainability of irrigated farming systems. There is an urgent need to improve, adapt and promote techniques that, without the need for large infrastructures and investments, could lead to an increase in primary productivity. Sustainable water-saving techniques for irrigated farms as well as new techniques to harvest, store and use of rainfall are required to improve water use efficiency and thereby strengthen the potential and sustainability of the whole agriculture sector in order to contribute to the increase of food production and security and in turn support farmers' income. So the conference is addressing a very important issue of sustainable agriculture water management to cope with food insecurity and social instability in Pakistan.



## BOARDING AND LODGING

Local hospitality (boarding/lodging and transport) along with meals will be provided to participants on the recommendation of workshop organizing committee.



## TRAVEL EXPENSES

Nominating organizations will be responsible for travel expenses of the participants.



## TARGET AUDIENCE

This conference is intended for academicians, researchers, scholars, farmers, mid-level government policy makers and/or extension agents in the field of Environment, Agriculture and Natural Resources.

# OBJECTIVES

- Training and capacity building to assess critical linkages between water contribution and food security in climate change milieu to overcome impending social instability in Pakistan
- Concept development and idea refinement for sustainable agricultural water management to reduce water foot print addressing agricultural needs of Pakistan.
- Creation of balance between national water budget and consumption through harvesting techniques for agriculture production enhancement.
- Highlight key intervention areas where research and policy can be harmonized as effective intervention to make Pakistan a water sustainable nation.

